APPENDIX C

City of Fair Oaks Ranch

Master Drainage Plan Executive Summary

The City of Fair Oaks Ranch (COFOR) prepared a Master Drainage Plan to complement the development of a comprehensive plan called *The Future of Fair Oaks Ranch*, an overall plan to maintain the character and attractiveness of the City over the next decade. The Master Drainage Plan consists of two overlapping parts: drainage policy to address new development and capital improvement program (CIP) to resolve existing drainage issues, each of which are detailed in Technical Memoranda. This executive summary provides general information on both parts.

The Master Drainage Plan was supported through the collaborative discussion of alternatives with a stakeholder committee which included City Council members and key community leaders. Five workshops with the stakeholder committee were held discussing the project, drainage tools to be used, policy options, project prioritization and CIP results. To help identify the opinions of the stakeholder committee, surveys were conducted on two occasions related to level of service and CIP priorities.

Drainage Policy

The City of Fair Oaks Ranch currently plans and manages stormwater associated with new development projects under Chapter 10 of its City codes, entitled 'Subdivision Regulations.' This policy specifically addresses only new development projects. The current codes require that the development provide adequate drainage to protect others from flooding, integrate the development's drainage into the City's, prepare a drainage study, move drainage to the streets as long as the curb height is not exceeded and velocities are less than 10 feet per second, and that residential streets must have a 10-year storm capacity, While this code provides a foundation for the control of development, the Master Drainage Plan recommends more specific criteria and levels of service to protect existing drainage infrastructure and future growth. Recommendations include:

- The development should have a drainage system that prevents the 100-year storm event from entering buildings.
- For a development exceeding 1 acre in size, drainage systems should convey the 10-year storm event.
- The drainage capacity of the developed system depends on the type of the street with arterial roads carrying the 50-year storm event, collector roads carrying the 25-year storm event and residential roads carrying the 10-year storm event.
- Green infrastructure and detention are encouraged to mitigate excess impervious areas.
- Peak runoff rates should be assigned based on the storm event.
- The requirements for a drainage plan should be clarified.
- Redevelopment should be better defined.

- Drainage requirements should be defined in a Drainage Design Manual to clarify City code.

Capital Improvement Program

The City identified 46 different sites for which flooding or drainage issues have been experienced. Each of these sites were examined and categorized into "A", "B" and "C" sites depending on the level of project assessment and consideration. "A" sites received the greatest scrutiny and targeted project development. "B" sites were provided more general project consideration and "C" sites received basic assessments. A computerized drainage model was prepared for the City using the Environmental Protection Agency's Stormwater Management Model (SWMM) to consider the potential improvements to be experience with the implementation of CIP projects.

Remedial projects were identified for each of the sites and were ranked for priority based on criteria defined by the drainage master plan stakeholder group. The criteria, shown in **Table ES-1**, relate to costs, source/destination, public infrastructure impact, severity of flooding, erosion effects, and green infrastructure.

Table ES-1 - Stormwater CIP Prioritization Criteria

Item	Weight	Score
Estimated Cost		
Low	2	5
Medium		3
High		1
Source/Destination		
Public to Private	3	5
Public to Public		3
Private to Public		2
Private to Private		0
Public Infrastructure at Risk?		
Yes - Large Effect	3	5
Yes - Small Effect		2
No		0
Number of Houses		
Number of Houses	1	n
Erosion Issue?		
Yes	0.5	5
No		0
Green Infrastructure Applicable?		
Yes	0.5	5
No		0

Four "A" sites were identified related to low water crossings. The sites at Rolling Acres Trail at Post Oak Creek and Silver Spur Trail at Post Oak Creek had the highest ranking. The other two "A" sites, Rolling Acres Trail at Unnamed Tributary and Battle Intense at Cibolo Creek, received much lower priority scores. Information provided for the "A" sites included a brief scope of work, cost breakdown, project timeline, engineering checklist, and benefit-cost analysis to support a potential Federal Emergency Management Agency (FEMA) Hazard Mitigation Grant Program application.

Five "B" sites were analyzed and conceptual designs were suggested including project costs. Except for the Amman Road (Site 1) which was modeled in HEC-RAS, "B" sites were assessed using Geographic Information System (GIS) tools to develop conceptual designs and project potential costs.

Thirty-seven "C" sites were identified and analyzed using GIS tools to gain a better understanding of the causes of the drainage issues. Mitigation options were considered and a range of potential costs were defined.

Overall, the costs to construct "A", "B" and "C" sites were estimated to be $3.15 million, $2.02 million and $2.26 million, respectively, with the "A" sites having a more refined estimate than the "B" and "C" sites. The next step in the implementation of the drainage master plan CIP is

the identification of funding options for the projects and development of a funding plan for the priority projects.

Memorandum

To: *Ron Emmons, P.E. – City of Fair Oaks Ranch, Texas*

From: *Gian C. Villarreal, PE, CPSWQ, CFM*

Date: *November 7, 2018*

Subject: *Summary of Master Drainage Plan Activities*

This memorandum summarizes development of stormwater capital improvement projects (CIPs) for the City of Fair Oaks Ranch. These projects were developed for 46 sites with known drainage issues, which were provided by the City as summarized in **Attachment 1**. Project development is described in the following subsections.

Master Drainage Plan / CIP

The stormwater CIP projects were first analyzed by conducting a field visit to each site to provide an initial engineering evaluation of the issue, and a computer stormwater model was used to support project development at each site. Each site was then analyzed in further detail according to the following site classifications:

- Four "A" sites were analyzed to provide detailed, targeted project development. These sites included the low water crossings at sites shown in **Figure 1**. Two project alternatives, comprised of a culvert option and a bridge option, were developed at each low water crossing using the HEC-RAS models and presented to the City and the stakeholders. Ultimately the City and stakeholder group decided that each crossing should be upgraded to a bridge crossing which would provide a minimum of a 10-year level of service. Cost estimates for each of these sites were also developed.

Figure 1. Low Water Crossings Analyzed

- Five "B" site analyses were completed to provide general, targeted stormwater project development. Except for Site 1, which is a low water crossing on Amman Road and was modeled in HEC-RAS, these sites were analyzed in ArcGIS to develop conceptual design of a project to mitigate the identified flooding issue, and the proposed projects are presented as one-page figures with project elements illustrated. Conceptual opinions of project cost for each of these sites was also developed, and these are provided with figures showing conceptual project design in **Attachment 2**.

- Thirty seven "C" sites were analyzed to provide a basic stormwater assessment. These sites were analyzed in ArcGIS to develop a basic understanding of causes of the existing stormwater issue

and potential paths forward at each site. A range of potential costs for each of these sites was also developed. The results of this analysis are summarized in a spreadsheet included in **Attachment 2**.

Deliverables developed for four sites (Sites 11, 26, 34, and 49) which can be used as a starting point to develop a FEMA Hazard Mitigation Grant Program application. These sites were chosen for deliverables tailored to assist with a FEMA grant based on their potential to be competitive for these grants. The deliverables included in **Attachment 2** and consisted of:

- A brief project scope of work, with alternatives defined when available from the drainage issue site analyses;
- A project cost breakdown as developed in the drainage issue site analyses;
- A project timeline, currently defined to be within the 3 years allowed by FEMA;
- An engineering checklist, which is required by the Texas Department of Public Safety for a FEMA grant application;
- A benefit-cost analysis cover sheet, which is required by the Texas Department of Public Safety for a FEMA grant application;
- A benefit-cost analysis report, created using version 5.3 of FEMA's BCA toolkit software. The flood module was used in the software, and flooding depths at affected buildings were developed for existing conditions based on the modeling and input for each property. It was assumed that no flooding would occur at these buildings under post-project conditions. Building replacement values were developed using CostWorks 2018, building square footages were input based on measurements from aerial photography, and finished floor elevations were estimated based on the ground surface DEM.
- Project cost was estimated based on home buyouts, which provided a higher project cost than the estimated costs to construct the projects for each site. Home buyouts represent an extreme case where no project is implemented, and should a project cost more than the cost of acquiring and demolishing homes affected by the flooding, then the City should consider buying the homes as a viable option.

The results of the benefit cost analysis are summarized in **Table 1**. Because all projects had a passing benefit cost ratio over 1, and because the project costs were estimated based on buyouts and are therefore elevated, it appears there is good potential for these sites to qualify for FEMA Hazard Mitigation Grant funding.

Table 1. Preliminary Benefit Cost Ratio Results

Site	Estimated Benefit Cost Ratio
11	3.46
26	3.67
34	6.92
49	6.75

All sites were prioritized using the criteria in **Table 2**, and these criteria were developed in coordination with the stakeholders.

Table 2. Stormwater CIP Prioritization Criteria

Item	Weight	Score
Estimated Cost		
Low	2	5
Medium		3
High		1
Source/Destination		
Public to Private	3	5
Public to Public		3
Private to Public		2
Private to Private		0
Public Infrastructure at Risk?		
Yes - Large Effect	3	5
Yes - Small Effect		2
No		0
Number of Parcels Affected		
Number of Parcels	1	Number of Parcels
Erosion Issue?		
Yes	0.5	5
No		0
Green Infrastructure Applicable?		
Yes	0.5	5
No		0

The prioritization factors were defined as follows:

- **Estimated Cost** assigns a higher score for projects which have a lower cost estimate. These scores were developed based on the potential cost range a project falls within as estimated in **Table 3.**

Table 3. Estimated Cost Project Cost Ranges for Prioritization

Scenario	Low End	High End
Low Cost Estimate	$6,000	$50,000
Medium Cost Estimate	$50,000	$125,000
High Cost Estimate	$125,000	$250,000

- **Source/Destination** indicates the source and destination of stormwater (i.e. a public subdivision or a private one). If stormwater is generated in a public property and it causes an issue in a private subdivision, then the highest score is assigned for this factor. If it is generated from a private property and causes in issue in a private property, then it receives the lowest score.
- **Public Infrastructure at Risk** indicates if the stormwater issue has the potential to damage public infrastructure. CIPs which address a threat to public infrastructure are assigned a higher score.
- **Number of Parcels Affected** assigns a score that is the total of all parcels which have experienced stormwater concerns caused by the issue identified at CIP site.
- **Erosion Issue** assigns a score of 5 if the stormwater issue at a CIP site causes erosion that would be mitigated by the proposed CIP and indicates a measure of a project's benefit to water quality.
- **Green Infrastructure Applicable** further indicates the potential water quality benefit that a CIP could provide by giving a higher score if green infrastructure could be implemented as part of the project.

Table 4 below summarizes the results of the rankings. Costs for each project are summarized in **Attachment 2**.

Table 4. Ranked Stormwater CIP Projects

Issue Number	Site Type	Address	Description	Next Steps / Proposed Project	Score
5	A	7820 Rolling Acres Trail	Low water crossing. Road Closure gate is deployed at this crossing during large storm events.	-^	47
17	A	7840 Silver Spur Trail	Runoff collects from the north side of the city and passes this point before passing under Keeneland then to the Cibolo Creek. Post Oak Creek low water crossing.	-^	47
34	C	29010 Tivoli Way	Large amount of runoff from Windermere crosses Fair Oaks Parkway and is intercepted by homes. This issue contains 100% design plans from the Road Bond Project	* Utilize existing stormwater infrastructure by regrading the roadway to slope towards existing inlets and open channels on the north and south side of Windermere Dr on the east side of Fair Oaks Parkway. New curb installed along the west side of Fair Oaks Parkway (across the street from Windermere Dr.) to convey water towards stormwater inlet would also improve collection. This approach would likely increase flows conveyed downstream and these increases would need to be accounted for as part of any project. * Alternately, expand the open channel on the west side of Fair Oaks Parkway in the existing flow path and regrade the right of way to drain to the channel which conveys flow beneath the fence to Tivoli Way. Note: A project to mitigate flooding at this location was already developed, and this may provide a more detailed path forward.	45.5
25	C	7715 Fair Oaks Parkway	Great amount of runoff passes under Fair Oaks PKWY and is causing erosion through the easement. This area was surveyed during the Terra Vista retaining wall project	* Regrade the channel and install erosion control measures, such as riprap or turf reinfored mat, to protect channel.	42

Table 4. Ranked Stormwater CIP Projects

Issue Number	Site Type	Address	Description	Next Steps / Proposed Project	Score
36	C	8410 Noble Lark Dr	Runoff flows in a channel next to the ROW and has caused erosion in this area	* Regrade the channel and install erosion control measures, such as riprap or turf reinforced mat, to protect channel. * Repair the eroded foundation of the culvert headwall.	42
32	C	29314 Sumpter Drive	Runoff flows from Nooner's Store and is intercepted by the homes across Ralph Fair Road. Severe slope accelerates runoff towards homes.	* Add a swale to the west side of Ralph Fair Rd to handle runoff coming from Nooners parking lot. This swale could be routed through a culvert south of Dietz Elkhorn and detained in the open field area of Fair Oaks Ranch Elementary and ultimately routed south and tied in with the conduit drainage located on the east end of Fair Oaks Ranch Elementary. * Define existing outfall structure located on the west side of the Nooner's Store parking lot to catch runoff from parking lot as well as the already existing channel to handle runoff from the Nooner's Store parking lot so it more effectively carries runoff to existing channels	40.5
37	C	7967 Turf Paradise Lane	Large amount of runoff sheet flows down the street and across properties.	* Investigate the capacities of driveway culverts to see if they cause water to back up and flow into yards. Based on the model results, it is expected that these will be hydraulic constrictions contributing to uncontrolled stormwater flow, and that replacing them with adequately sized culverts will mitigate the issue.	40
30	C	7900 Fair Oaks PKWY	Large amount of runoff flows from country club parking lot across Fair Oaks PKWY. Runoff jumps curb and flows through fences into backyard	* The new wall may represent a solution which mitigates stormwater from passing into the backyards mentioned in this complaint, however this may cause new stormwater issues down Oakview Pass where the runoff is now routed	31
48	C	28207 Kempton Circle	Large amount of runoff is intercepted by wall around house and is causing erosion and exposing irrigation pipe.	* Regrade the channel to keep stormwater from encroaching on the property. Slightly widening and deepening the channel reduced velocities in the model.	31
29	C	8531 Alydar Circle	Water flows over the natural channel that is located within a platted drainage easement. Banks have been eroded due to large runoff flows	* Regrade the channel to restore its shape and remove steep side slopes, remove any sediment buildup, install riprap or turf reinforced mat in areas experiencing high velocities/erosion potential	30

Table 4. Ranked Stormwater CIP Projects

Issue Number	Site Type	Address	Description	Next Steps / Proposed Project	Score
35	B	-^	-^	* Line channel with erosion control, such as rip rap or turf reinforced mat	29.5
15	C	8622 Delta Dawn	Erosion is caused by runoff coming from Jophpur and is in close proximity to the city's lift station	* Potential options include reinforcing the channel using erosion control mats or rip rap to mitigate against erosion, or widen the channel to reduce velocities.	29.5
16	C	30817 Man O War	Runoff drains around this property and one side contains a platted easement. Drainage flows over the channel in the easement and backs up into front and back yards	* Increase conveyance by excavating the channel the be deeper and/or wider. * Decrease flows in the channel by constructing a detention pond on the upstream side of Man O War Drive. This would require easement acquisition.	29.5
2	C	8472 Rolling Acres Trail	Drainage backs up in culverts that pass under driveway. Large amount of runoff flows across the property towards Cibolo Creek.	* Increase the diameter of the driveway culverts for the properties on the west side of Rolling Acres Rd. May require addressing the culverts in the site as well as 6-8 downstream culverts to prevent perpetuating issues downstream before this channel is routed out to Cibolo Creek. Current driveway culvert geometry in this site is a 3.17'x2' horizontal ellipse. In the model, increasing the size to 3.75'x2.41' did not have a substantial effect in reducing out of bank flow (using 10 year event)(A 3X6 concrete box culvert did not result in significant improvements either). * Develop a detention project on the northeast corner of the intersection of Rolling Acres Trail and Sunland to address flows from this site (which flows across the road during large events) as well as westward drainage from Sunland. This may require an easement from property owner.	29

Table 4. Ranked Stormwater CIP Projects

Issue Number	Site Type	Address	Description	Next Steps / Proposed Project	Score
8	C	31789 Sunland	A natural recharge zone takes a large amount of runoff during storm events	* Acquire a drainage easement to the west of this property to route flow to the sinkhole and away from it when it becomes filled. This would require continuous routing along Scarteen southward towards Cibolo Creek. * Construct a drainage ditch on the south side of Sunland to route flow west towards Rolling Acres and its existing right of way drainage ditch	28.5
38	C	7626 Rocking Horse Ln	Large amount of flow goes across street and ponds in front yard of the property	*Construct a channel in the right of way to intercept runoff from Rocking Horse Lane and convey this flow east along Secretariat Land to an already existing channel at the intersection of Secretariat Lane and Dapper Dan Drive.	28.5
44	C	31988 Scarteen	Runoff from Sky Blue Ridge runs down road and heads in direction of home	* Increase the capacities of the roadside channels by regrading them to have a more define flow path with larger widths and depths.	28.5
46	C	7644 Pimlico Lane	Large amount of runoff moves through property toward Salado Creek	* Construct a new channel along the south side of Pimlico Lane from Steeplechase Lane to Aqueduct Lane. This channel would convey flow east to the west side of Aqueduct Lane, where a channel would be constructed to convey flow south to Salado Creek.	28.5
4	C	8040 Rolling Acres Trail	The drainage does not have positive flow in one direction as it crosses Rolling Acres Trail at multiple points	* Build a drainage ditch to capture stormwater as it exits the upstream culvert and route to the culvert at the downstream end of the property. This should prevent the city's stormwater from flowing on the property. Will require the construction of a driveway culvert.	28
42	C	7740 Pimlico Lane	Large amount of runoff moves through the HOA park and towards the Salado Creek	* Regrade the channel to deepen it one foot and increase the size of the culvert from a 4-foot corrugated metal pipe to 5.5 foot diameter corrugated metal pipe to provide a 10-year level of service.	27.5
9	C	31521 Silver Spur Trail	A large amount of runoff flows between the properties before making its way toward Post Oak Creek.	* Construct a drainage ditch along Silver Spur Trail which conveys flow to Post Oak Creek south of the intersection of Silver Spur Trail and Venturer.	27

Table 4. Ranked Stormwater CIP Projects

Issue Number	Site Type	Address	Description	Next Steps / Proposed Project	Score
45	C	8816 Jodphur	Runoff flows from outside of the city and accumulates near this lot. The City installed a drainage improvement in this area.	* Recent improvements may have been sufficient to alleviate this issue.	27
1	B	_	_	* Replace current road with concrete bridge elevated above flood stage.	26
56	C	29707 High Eschelon	Drainage from road collects and faster than the drainage easement can move it	* Regrade the drainage channel and clear it of vegetation and debris.	26
52	C	29755 No Le Hace	Runoff from No Le Hace culminates at the end of the cul de sac before making its way to Cibolo Creek. Large amounts of erosion and silt exists	* Acquire an easement which runs north from the cul de sac and construct a channel to convey flow north to Cibolo Creek.	24.5
53	C	32030 Scarteen	City installed berms and swales have eroded and silted over time. Flooding occurs in driveway and has come close to entering home.	*Regrade the channel on the east side of Scarteen to convey flow more efficiently and replace the driveway culvert with a larger culvert to increase conveyance.	24.5
27	C	29358 Duberry Ridge	Runoff flows from the street into the front yard of the property	* Obtain a drainage easement between two of the properties. Construct curb cut and route runoff through easement onto golf course	22
41	C	8426 Triple Crown	Large amount of runoff flows down ROW and through a platted easement. Culvert is undersized and backs up/becomes obstructed	*Increase the capacity of the culvert and provide proper maintenance to prevent clogging of the culvert. Increasing the size to a 2.417 ft x 3.75 ft provides conveyance for a 10-year event.	22
43	C	8312 Triple Crown	Large amount of runoff moves down Rocking Horse Ln towards the south of the city	*A culvert and channel can be constructed along the south side of Triple Crown and the west side of Rocking Horse Lane in the right of way to help catch flow running down the street before it can cause an issue on private property.	22

Table 4. Ranked Stormwater CIP Projects

Issue Number	Site Type	Address	Description	Next Steps / Proposed Project	Score
26	C	47 Falls Terrace	Large amounts of runoff flows through backyards. Floodplain was revised and further encroaches into properties in this gated subdivision	* Increase conveyance by excavating the channel the be deeper and/or wider to mitigate flooding from FEMA floodplain. * Install erosion control measures, such as riprap or turf reinforced mat, to protect channel and slow velocities.	21
3	C	31872 Sunland	Large amount of runoff from Burnt Cedar flows through the property towards Rolling Acres Trail	* Widen the channel to reduce the flow velocity. The channel is relatively shallow, thus deepening the channel may be an option but downstream effects should be further investigated. (Widening the channel approx. 15 ft did not significantly change the Water Surface Elevation (WSE) but did decrease the velocity by about 35% for the 10 year event) * Reinforce the channel and convey flow more efficiently by lining it with concrete. This option would likely result in increased flows downstream which could be mitigated by the detention project proposed for Site 2. * Increase road surface elevation to prevent overtopping of Burnt Cedar Rd. This could cause backups onto properties. * Site #8 is a sinkhole and to mitigate this issue a culvert could be constructed to convey flow beneath Sunland. This would require acquisition of a drainage easement to route the flow to the sink hole.	19.5
28	C	29534 No Le Hace Drive	A drainage channel exists on the rear property lines in this area. The city does not have an easement and this channel backs up and floods backyards due to fence blockages	* Expand ditch to increase conveyance	17.5
6	A	7420 Rolling Acres Trail	Low water crossing moves toward home on Meadow Creek Trail. Road closure gate is deployed at this crossing during large storm events.	-^	17
49	B	-^	-^	* Increase the height of the berm. Add fill and grade it to 3:1 slope on either side. * Excavate channel down to increase its capacity to convey flow and lower water surface elevation	17

Table 4. Ranked Stormwater CIP Projects

Issue Number	Site Type	Address	Description	Next Steps / Proposed Project	Score
23	A	8402 Battle Intense	Battle Intense is often shut down during large rain events. Debris collects and damages this low water crossing.	-^	17
40	C	28337 Leslie Pfeiffer Dr.	Runoff flows through a 20' platted drainage easement and is intercepted by fences running across them. This issue is examined in the 2009 Costello Report	*The channel running underneath the fence can be deepened so debris is less likely to catch on the fence and cause the channel to backup. Deepening the channel a foot and widening it to 15-feet wide should greatly reduce instances of debris from catching in the fence as the model calculated that the 10-year event would be contained within its banks. Proactive management and cleaning of the fence and channel should greatly improve conveyance and prevent the channel from backing-up.	16
60	C	Cibolob Trails Common Area	Ponding occurs in this common area located in the floodplain.	*Construct culverts to drain through the trail embankment at low points.	15
12	C	31104 Furtoso Way	A large amount of runoff flows through front and backyard of the property towards the platted recharge features at the corner of Calvary Dr. and Furtoso Way	* Acquire a drainage easement in the rear of the properties and install a drainage ditch to route flow to Calvary Dr.	14.5
10	C	31520 Meadow Creek Trail	A large amount of ponding occurs in this area. Drainage does not pass the road efficiently.	* Install culvert under Meadow Creek Trail on the northwest side of the driveway of this address. * Increase conveyance of the drainage ditch along the north side of Meadow Creek Trail (increase culvert size, widen drainage ditches)	14
19	C	7660 Intrepid Drive	Runoff makes its way through a platted easement to the rear of the property. From there it enters an undersized culvert that passes below the HOA trail. This culvert backs up and water ponds in the area.	* Increase culvert size to three 3-foot diameter corrugated metal pipe culverts reduced the upstream flooding by approximately 50% in the model.	12
58	B	-^	-^	-^	11

Table 4. Ranked Stormwater CIP Projects

Issue Number	Site Type	Address	Description	Next Steps / Proposed Project	Score
7	C	8524 Rolling Acres Trail	A natural drainage feature is located in backyard. A large amount of runoff flows across the property towards Cibolo Creek.	* Acquire a drainage easement on the north boundary of this property to intercept flow and route it south behind the houses on the affected properties.	9.5
13	C	8609 Delta Dawn Lane	A large amount of runoff from Jodphur makes its way into the backyard of the property. Runoff from Keeneland makes its way into the front yard	* Improve conveyance of the existing drainage easement through the backyard. * A 45 ft wide channel can handle the 100 yr event with a 1 ft. depth of flow	7
20	C	30621 Sweetridge Circle	Water ponds in this natural low area. Residence maintains a curb around property which exacerbates the issue.	Potential solutions include: * Install a culvert or drain in the low area and a curb cut to drain the ponded area onto Keeneland * Obtain an easement on the west end of the property to route flow down to the curb & gutter on Keeneland.	7
47	C	29636 No Le Hace	Runoff from neighboring backyard does not have a clear path towards the street. During large rain events, water accumulates in garage	Capture stormwater at Saddleback Circle and route it to the west in a controlled channel.	7
11	B	_^	_^	_^	6.5

^ "A" and "B" Sites are more fully described in Attachment 3 materials pertaining to these sites, and partial information on these sites was included in this table to provide a comprehensive ranking of all stormwater CIP projects.

Figure 2 below illustrates the cumulative budget required to fund projects in their order of priority. Costs for each project shown in this chart represent the average of the "Low Cost" and "High Cost" columns in the Attachment 3 spreadsheet digital deliverable "Attach3_Fair Oaks Ranch – C Sites Spreadsheet Deliverable & CIP Prioritization.xlsx", Columns AB and AC on tab "C Sites and Ranking". This chart illustrates the cost to implement these stormwater CIP projects over a certain timespan. For instance, the total cost to implement all projects is estimated in this chart to be $7.42 million, and this figure could be used to plan a funding source over a 50 year timespan. Note that this list includes construction of all "A" sites, which may not be necessary if emergency access to all part of the City can be restored by strategic implementation of the "A" site projects.

It should be noted that as more details on these projects are obtained, and as City priorities for these projects change, the prioritization of these projects may change over time, and therefore the funds required to implement this stormwater CIP may vary.

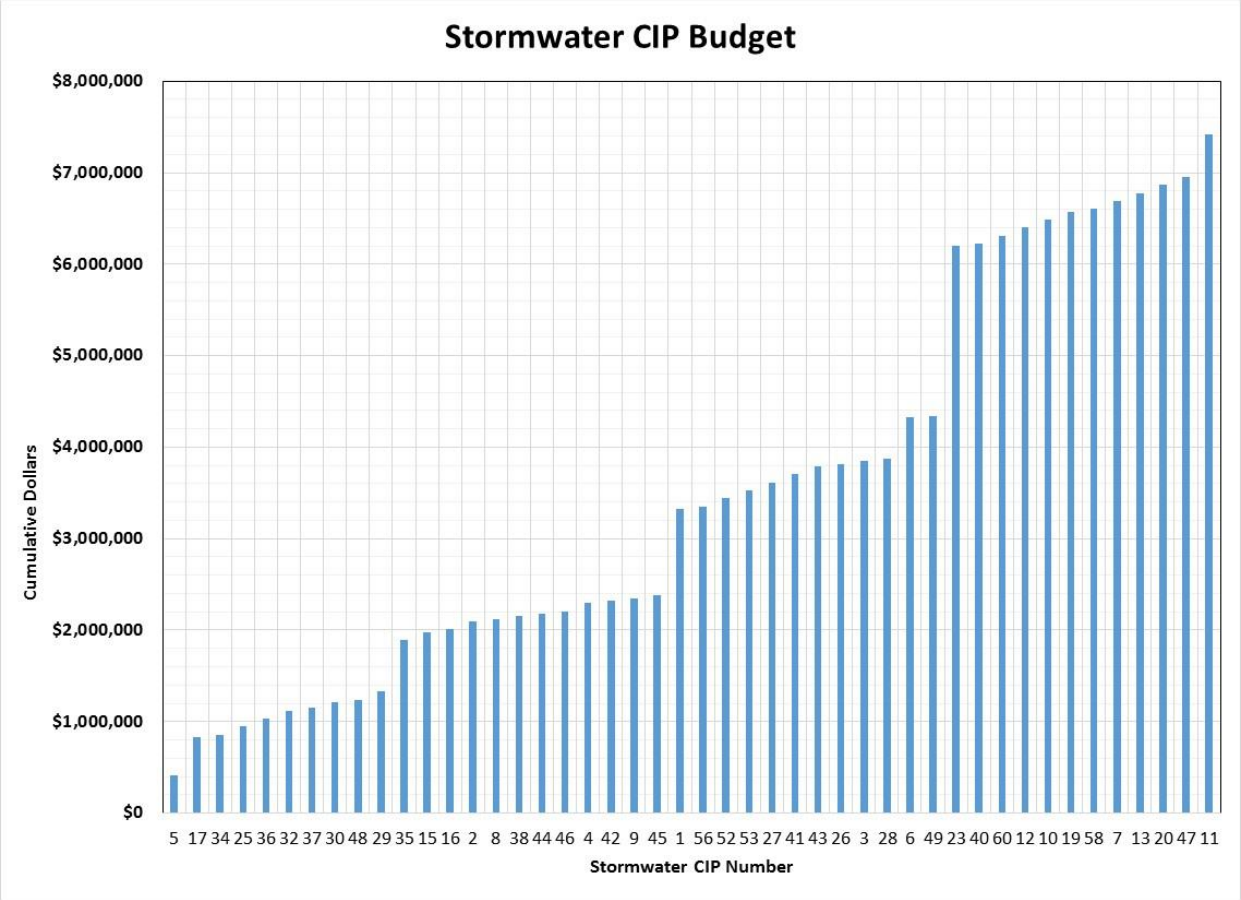


Figure 2. Stormwater CIP Budget

Conclusions / Next Steps

This memorandum and the attached deliverables provide a basis for the City to move forward with addressing its stormwater issues. The detailed improvements recommended for the "A" sites provide a high-level, conceptual design that can be refined using the HEC-RAS models created to produce a final design to be implemented at each site. The evaluations and next steps provided for "B" and "C" sites can be refined to produce a conceptual design and a detailed cost estimate at each location using the SWMM model.

All stormwater CIP projects ("A", "B", and "C" sites) were ranked according to the criteria outlined in the "Master Drainage Plan / CIP" section of this memo, and because this was delivered as a digital spreadsheet, the City can refine project prioritizations as more information becomes available.

Overall, the costs to construct “A”, “B” and “C” sites were estimated to be $3.15 million, $2.02 million and $2.26 million, respectively. The “B” and “C” site cost estimates were developed with less detail than the “A” sites, where more detailed analyses were completed, and thus have a much higher range of potential costs. As individual “B” and “C” site projects move forward, conceptual design will be completed and a more detailed cost estimate can be developed at that time.

As a next step, the City should evaluate funding options for these proposed projects. The City currently funds stormwater improvements from its general fund, and because there is no dedicated fund to address stormwater issues in the City, it is recommended that other stormwater funding options be explored. Such options can include ad valorem property taxes, which are assessed based on a percentage of property value, sales taxes, or public enterprise funds (such as a stormwater utility). These options should be studied by the City in conversation with public stakeholders to establish a comprehensive path forward for stormwater funding that is based on community consensus and addresses the stormwater issues the City faces.

Attachment 1

Known Storm Water Drainage Issues

Issue Number	Description	Address	Lot Number	Plat Number	Easement Responsibility?	Road Impassable?	Water in Home?	Task 2.3 Option
1	Low water crossing runs over the street due to insufficient culverts that pass under Ammann Road.	341 Ammann Road	ROW	N/A	N/A	No	No	B
2	Drainage backed up in culverts that pass under driveway. Large amount of runoff flows across the property toward the Cibolo Creek.	8472 Rolling Acres Trail	302	157	None	No	No	C
3	Large amounts of runoff from Burnt Cedar flows through property towards Rolling Acres Trail.	31872 Sunland	260	157	None	No	No	C
4	Drainage does not have positive flow in one direction as it crosses Rolling Acres Trail at multiple points.	8040 Rolling Acres Trail	69	143	N/A	No	No	C
5	Low water crossing. Road closure gate is deployed at this crossing during large storm events.	7820 Rolling Acres Trail	ROW	143	None	Yes	No	A
6	Low water crossing moves toward home on Meadow Creek Trail. Road closure gate is deployed at this crossing during large storm events.	7420 Rolling Acres Trail	ROW	141	None	Yes	No	A
7	Natural drainage feature is located in backyard. Large amount of runoff flows across the property toward the Cibolo Creek.	8524 Rolling Acres Trail	300	157	None	No	?	C
8	Natural recharge zone takes a large amount of runoff during storm events.	31789 Sunland	257-R	159	Owner	No	?	C
9	Large amount of runoff flows between properties before making its way toward the Post Oak Creek.	31521 Silver Spur Trail	126	146	Owner	No	No	C
10	Large amount of ponding occurs in this area. Drainage does not pass road efficiently.	31520 Meadow Creek Trail	ROW	137	None	No	No	C
11	Natural drainage feature takes a majority of the drainage in this area. Feature gets backed up and causes flooding of yards.	9024 Jodphur Drive	Various	201	Standard	No	Yes	B
12	Large amount of runoff flows through front and back yards of the property towards the platted recharge features at the corner of Cavalry Dr and Furtoso Way.	31104 Furtoso Way	659	201	Owner	No	No	C
13	Large amount of runoff from Jodphur makes its way into backyard of the property. Runoff from Keeneland makes its way into the front yard.	8609 Delta Dawn Lane	467	172	Owner	No	No	C
~~14~~	~~Current culvert is insufficient and there is a depression in the road. This issue will be addressed as part of the Road Bond Project.~~	~~31040 Meadow Creek Trail~~	~~ROW~~	~~113~~	~~None~~	~~Yes~~	~~No~~	
15	Erosion caused by runoff coming from Jodphur is in close proximity to the City's Lift Station.	8622 Delta Dawn	456 AR	175	Owner	No	No	C
16	Runoff drains around this property and one side contains a platted easement. Drainage flows over the channel in the easement and backs up into front and back yards.	30817 Man O War	573	198	Standard	No	No	C
17	Runoff collects from the north side of the city and passes this point before passing under Keeneland then to the Cibolo Creek. Post Oak Creek low water crossing.	7840 Silver Spur Trail	ROW	147	None	Yes	No	A
~~18~~	~~Storm runoff collects at this intersection as it is in an area of low elevation. This issue will be addressed as part of the Road Bond Project.~~	~~30820 Robin Dale Drive~~	~~30~~	~~117~~	~~None~~	~~Yes~~	~~Yes~~	

Issue Number	Description	Address	Lot Number	Plat Number	Easement Responsibility?	Road Impassable?	Water in Home?	Task 2.3 Option
19	Runoff makes its way through a platted easement to the rear of the property. From there it enters an undersized culvert that passes below the HOA trail. This culvert backs up and water ponds in this area.	7660 Intrepid Drive	36	117	N/A	No	No	C
20	Water ponds in this natural low area. Residence contains a curb around the property which exacerbates the issue.	30621 Sweetridge Circle	1843	121	Owner	No	No	C
~~21~~	~~Water ponds on SW corner of Keeneland and Battle Intense in the Trailside 2 subdivision. Currently being addressed by the developer.~~	~~30120 Cibolo Oaks~~	~~49~~	~~248~~	~~Standard - Ex~~	~~No~~	~~No~~	
22	Ralph Fair road is often shut down during large rain events. Although TXDOT manages this road, an improvement in this area will benefit the City.	30395 Ralph Fair Road	ROW	N/A	N/A	Yes	No	
23	Battle Intense is often shut down during large rain events. Debris collects and damages this low water crossing.	8402 Battle Intense	ROW	N/A	N/A	Yes	No	A
~~24~~	~~The culverts below Sweetwind Circle are deteriorating. Although runoff drains appropriately, these may experience complete failure in the future. Issue addressed with CIPP treatment.~~	~~7745 Sweetwind Circle~~	~~ROW~~	~~N/A~~	~~N/A~~	~~No~~	~~N/A~~	
25	Great amount of runoff passes under Fair Oaks Parkway and is causing erosion through the easement. This area was surveyed during the Terra Vista Retaining wall project.	7715 Fair Oaks Parkway	401	63	None	No	No	C
26	Large amounts of runoff flows through backyards. Floodplain was revised and further encroaches into properties in this gated subdivision.	47 Falls Terrace	978	129	Owner	No	No	C
27	Runoff flows from the street into the front yard of the property.	29358 Duberry Ridge	677	77	None	No	No	C
28	A drainage channel exists on the rear property lines in this area. The City does not have an easement and this channel backs up and floods backyards due to fence blockages.	29534 No Le Hace Drive	90-R	50	None	No	No	C
29	Water flows over the natural channel that is located within a platted drainage easement. Banks have been eroded due to large runoff flows.	8531 Alydar Circle	1047	38	None	No	No	C
30	Large amount of runoff flows from the Country Club parking lot across Fair Oaks Parkway. Runoff jumps curb and flows through fences and into backyards.	7900 Fair Oaks Parkway	Various	180	Owner	No	No	C
~~31~~	~~Runoff from Dietz Elkhorn flows toward the platted easement on No Le Hace. Water flows toward low lying property. Berms have been added to redirect water.~~	~~29260 No Le Hace Drive~~	~~113~~	~~49~~	~~None~~	~~No~~	~~Yes~~	
32	Runoff flows from Nooners and is intercepted by the Homes across Ralph Fair Road. Severe slope accelerates runoff toward homes.	29314 Sumpter Drive	791	80	None	No	No	C
~~33~~	~~Large amount of runoff from future subdivision makes its way through properties toward retention basin at the bottom of the hill. Developer has agreed to address this issue.~~	~~9002 Craigs Gate~~	~~141~~	~~250~~	~~Standard - Ex~~	~~No~~	~~No~~	
34	Large amount of runoff from Windermere crosses Fair Oaks Parkway and is intercepted by homes. This issue contains 100% design plans from the Road Bond Project.	29010 Tivoli Way	Various	132	Owner	No	Yes	C
35	Concentrated runoff comes from a large property upstream and has caused erosion in the platted drianage easement.	28907 Chartwell Lane	624	111	City and Owner	No	No	B
36	Runoff flows in a channel next to the ROW and has caused erosion in this area.	8410 Noble Lark Drive	333	28	None	No	No	C
37	Large amount of runoff sheet flows down the street and across properties.	7967 Turf Paradise Lane	386	27	None	No	No	C
38	Large amount of flow goes across street and ponds in the front yard of the property.	7626 Rocking Horse Lane	735	185	Both	No	No	C

Issue Number	Description	Address	Lot Number	Plat Number	Easement Responsibility?	Road Impassable?	Water in Home?	Task 2.3 Option
~~39~~	~~Culvert is undersized causing runoff to back up in this area. This issue will be addressed as part of the Road Bond Project.~~	~~9044 Fair Oaks Parkway~~	~~ROW~~	~~183~~	~~None~~	~~No~~	~~No~~	
40	Runoff flows through a 20' platted drainage easement and is intercepted by fences running across them. This issue is examined in the 2009 Costello Report.	28337 Leslie Pfeiffer Drive	23	183	None	No	No	C
41	Large amount of runoff flows down ROW and through a platted easement. Culvert is undersized and backs up/ becomes obstructed.	8426 Triple Crown	228	15	None	No	No	C
42	Large amount of runoff moves through the HOA park and toward the Salado Creek.	7740 Pimlico Lane	100	10	None	No	No	C
43	Large amount of runoff moves down Rocking Horse lane towards the south of the City.	8312 Triple Crown	199	15	None	No	No	C
44	Runoff from Sky Blue Ridge runs down road and heads in direction of home.	31988 Scarteen	247	157	None	No	No	C
45	Runoff flows from outside of the City and accumulates near this lot. The City installed a drainage improvement in this area.	8816 Jodphur	587	198	Standard	No	No	C
46	Large amount of runoff moves through property toward the Salado Creek.	7644 Pimlico Lane	48	8	None	No	No	C
47	Runoff from neighboring backyard does not have a clear path toward the street. During large rain events, water accumulates in garage.	29636 No Le Hace	86-R	52	None	No	Yes	C
48	Large amount of runoff is intercepted by wall around house and is causing erosion and exposing irrigation pipe.	28207 Kempton Circle	743	93	None	No	No	C
49	Runoff from the golf course has crested a berm and flows between homes.	7754 Terra Manor	563	60	None	No	Yes	B
~~50~~	~~Runoff hits a flat spot and water flows over the road, pools in residents yard, and damaged fence. Plans to fix this section in conjunction with Road Bond Improvements.~~	~~31240 Meadow Creek Trail~~	~~5~~	~~113~~	~~None~~	~~No~~	~~No~~	
51	Exposed sewer pipe exists due to erosion downstream of the bridge in the park.	Boots Gaubatz Park	441	163	Owner	No	No	
52	Run off from No Le Hace culminates at the end of the Cul De Sac before making its way to Cibolo Creek. Large amount of erosion and silt exists.	29755 No Le Hace	873A	84	City and Owner	No	No	C
53	City installed berms and swales have eroded and silted over time. Flooding occurs in driveway and has come close to entering home.	32030 Scarteen	248	157	None	No	No	C
54	Major Erosion has caused a waterline to be exposed and is currently suspended in the air.	Balcones Creek	N/A	N/A	City	No	No	
~~55~~	~~A portion of a pond was removed to lay a SAWS waterline. Erosion and meandering flow exists at this property. Front Gate developers have agreed to address this issue.~~	~~28344 Leslie Pfeiffer Drive~~	~~18~~	~~183~~	~~None~~	~~No~~	~~No~~	
56	Drainage from road collects and faster then the drainage easement can move it.	29707 High Eschelon	483	77	None	No	No	C
57	Drainage collects on multiple properties in this area and is blocked by large fence/wall structure that completely surrounds property on Keeneland (issue 20).	30641 Sweetridge Circle	1842	121	Owner	No	No	
58	Drainage flows from the back of this lot to the front and is not contained in the platted drainage easement. Ponding occurs at the front of this lot and ROW.	8037 Rock Oak Circle	186-R2	155	Both	No	No	B

Issue Number	Description	Address	Lot Number	Plat Number	Easement Responsibility?	Road Impassable?	Water in Home?	Task 2.3 Option
59	Drainage from across the street (Issue 58) brings debris into the street and yard at this residence.	31020 Silver Spur	177	148	None	No	No	
60	Ponding occurs in this common area located in the floodplain.	Cibolo Trails Common Area	2048	225	Owner	No	No	C

Remove from study
Adequate solution in place or planned
Transportation or Home Damage Issue

A - Designation	4
B - Designation	5
C - Designation	37

Attachment 2
Stormwater CIP Materials

- "A" Sites - FEMA Hazard Mitigation Grant Materials

- "B" Sites - Figures outlining proposed project alternatives

- "C" Sites - Spreadsheet outlining path forward for known drainage issue sites as well as ranking of all CIP sites
(Digital Submittal)

"A" Sites - FEMA Hazard Mitigation Grant Materials

"A" Site 11

Site 11:

Project Scope of Work

Runoff from storm events flow through a shallow channel on the site. The channel is not deep enough to convey all necessary flow away from properties at the site. To prevent flows running through properties at this site, conveyance should be increased by excavating the channel the be deeper and/or wider to mitigate flooding around the sites.

Project Cost Breakdown

The project cost will be $50,000 to $100,000, with an estimate average cost of $75,000.

Project Timeline

The current project timeline is to have the projected completed within three years of the start date.

FEMA Engineering Checklist

Attached in file

BCA Cover Sheet

Attached in file

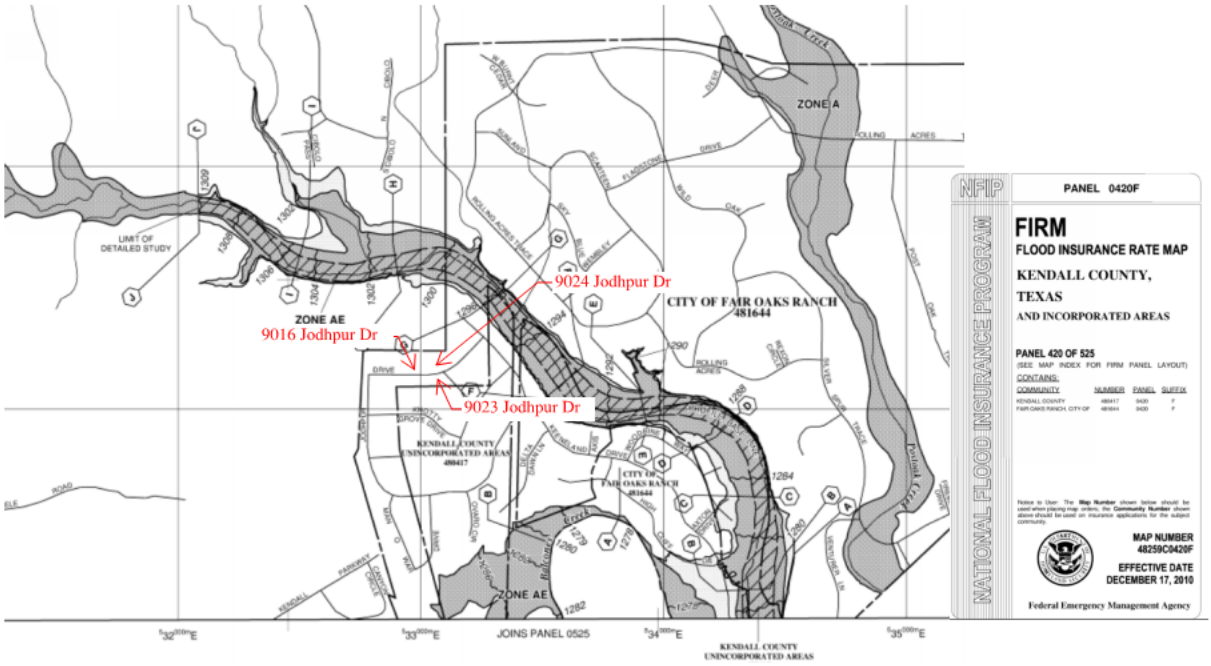
BCA Data and Supporting Documentation

Junctions from PCSWM Model

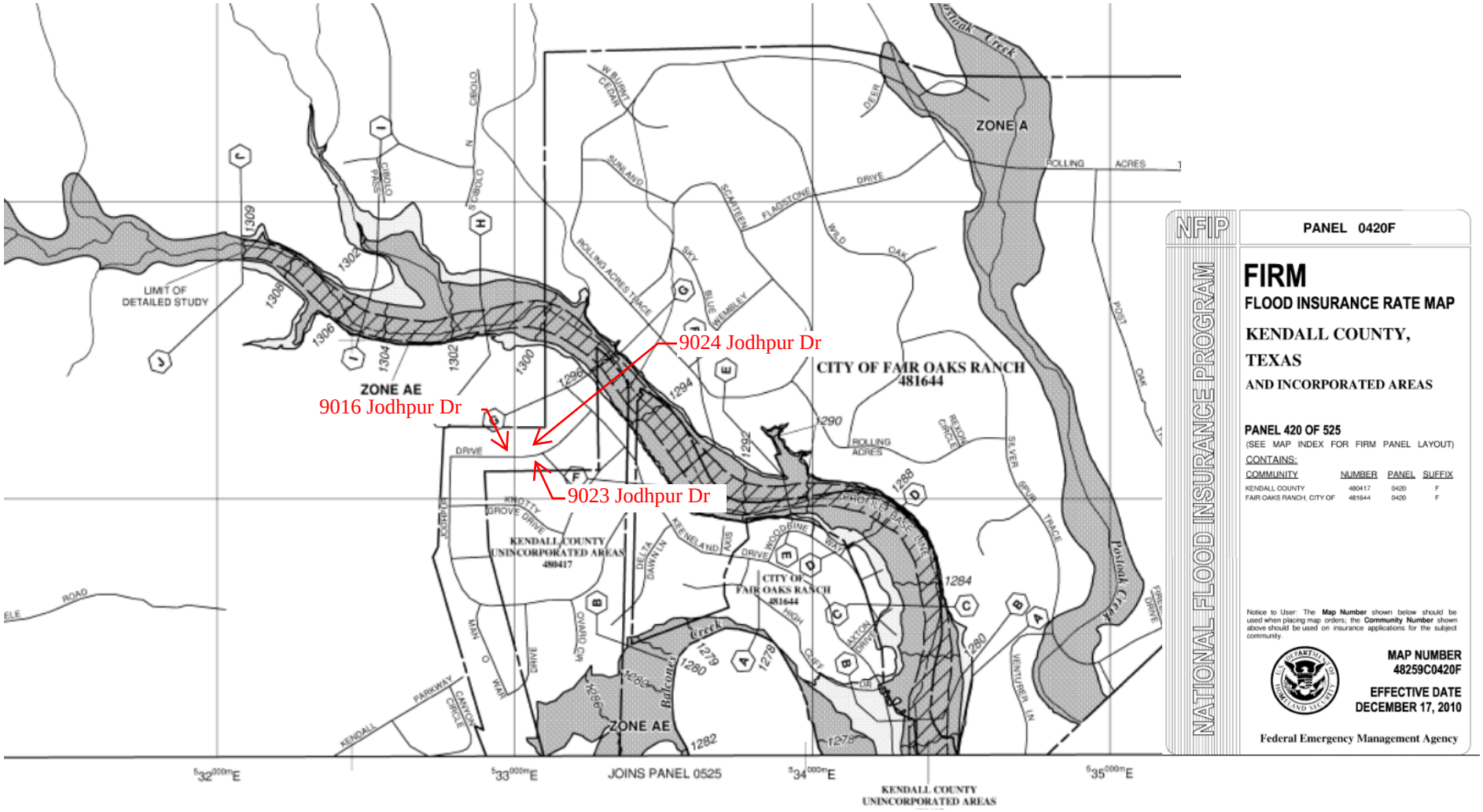
		HGL (ft)														
Name	Distance from Junction	5 yr	10 yr	25 yr	50 yr	100 yr	Length of Conduit			$ 100,000						
J1157		1316.33	1316.37	1316.44	1316.51	1316.55	852.5	16.21								
J1168		1314.28	1314.32	1314.38	1314.45	1314.49										
J1182		1316.93	1316.94	1316.96	1317.01	1317.03	518.5									
								FFE	New FFE	Area (sq ft	BRV	Cost	INVERTELE	10-YR Flow	25-yr Flow	50-yr Flow	100-yr Flow
9024 Jodhpur Dr	0	1316.33	1316.37	1316.44	1316.51	1316.55		1316	1317	4031	77.63	$312,926.53	1316.01	16.21	20.38	66.19	77.32
9016 Jodpur Dr	0	1316.93	1316.94	1316.96	1317.01	1317.03		1317	1318	4208	77.63	$326,667.04	1316.58	16.21	20.38	66.19	77.32
9023 Jodhpur Dr	0	1316.93	1316.94	1316.96	1317.01	1317.03		1317	1318	3262	77.63	$253,229.06	1316.01	16.21	20.38	66.19	77.32

Attached in file

FIRM with Project Plotted



Site Photos


9024 Jodhpur Dr
9016 Jodhpur Dr
9023 Jodhpur Dr
ZONE A
ZONE AE
ZONE AE
CITY OF FAIR OAKS RANCH
481644
KENDALL COUNTY
UNINCORPORATED AREAS
480417
CITY OF
FAIR OAKS RANCH
481644
LIMIT OF
DETAILED STUDY
JOINS PANEL 0525
KENDALL COUNTY
UNINCORPORATED AREAS
NFIP
NATIONAL FLOOD INSURANCE PROGRAM
PANEL 0420F
FIRM
FLOOD INSURANCE RATE MAP
KENDALL COUNTY,
TEXAS
AND INCORPORATED AREAS
PANEL 420 OF 525
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)
CONTAINS:
COMMUNITY NUMBER PANEL SUFFIX
KENDALL COUNTY 480417 0420 F
FAIR OAKS RANCH, CITY OF 481644 0420 F
Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.
MAP NUMBER
48259C0420F
EFFECTIVE DATE
DECEMBER 17, 2010
Federal Emergency Management Agency

FEMA REGION VI MITIGATION GRANT PROGRAM
ENGINEERING CHECKLIST

Project Title: Fair Oaks Ranch Site 11
Applicant:
Project Number:
Project Location: Fair Oaks Ranch, TX
Grant Number:

Yes	No	Attached	Overall Project Information
		☑	How was this project identified?
☐	☑		Will this project change effective BFE's, floodplain or floodway boundaries?
☑	☐	☐	Has a flood study been prepared?

What level of planning has been completed?

☐	☑	☐	Conceptual – General layout, flow capacity, due diligence study, and quantity estimate
☐	☑	☐	Preliminary – 35% plans with survey, plan and profile sheets, grade lines and potential conflicts identified
☐	☑	☐	Final Plans – 100% complete plans and bid documents
☐	☑	☐	Has a Conditional Letter Of Map Revision (CLOMR) been prepared? ☐ Prepared ☐ Submitted ☐ Approved

Structural Elements

1) Check "Yes" for those elements that are proposed in this project,
2) list the number of each type of proposed structural element,
3) provide one copy of the corresponding "Structure Check List" for each proposed structure.

Yes	No	Number	Structure Type	Page
☐	☑		Detention / Retention	2
☐	☑		Diversion	2
☐	☑		Berm / Floodwall	3
☐	☑		Flap Gate / Flood Gate	3
☑	☐		Channelization	4
☐	☑		Bridge / Culvert	4

FEMA REGION VI MITIGATION GRANT PROGRAM
ENGINEERING CHECKLIST

Project Title:
Applicant: Project Location:
Project Number: Grant Number:

Detention / Retention Check List

Fill out this section for each element for this project

Name/Description of Element: Number of

Drainage Area: sq. mi. Type of Structure: ☐ Detention ☐ Retention

Does any portion meet the state definition of a Dam? ☐ Yes ☐ No

Design Storm: Classification

	Design Storm	100-Year
Peak Inflow (cfs)		
Peak Outflow (cfs)		
Storage Volume (ac-ft)		

Sizing Method: ☐ Computer Model (HEC-1, HEC-HMS, TR-20, etc):
☐ Modified Rational Method ☐ Other:

Immediate downstream maximum non-damaging discharge: cfs

Diversion Check List

Fill out this section for each element for this project

Name/Description of Element: Number of
Drainage Area: sq. mi. Type of Structure: ☐ Off Channel Storage ☐ Other:

Design Storm:

Peak Inflow: cfs Diverted Flow: cfs Remaining Flow: cfs

Diversion is proposed by: ☐ Gravity ☐ Pumping

Proposed pump Number: Size: gpm

Description of sizing method: ☐ is ☐ is not attached

Immediate downstream maximum non-damaging discharge: cfs

FEMA REGION VI MITIGATION GRANT PROGRAM
ENGINEERING CHECKLIST

Project Title:
Applicant: Project Location:
Project Number: Grant Number:

Berm / Floodwall Check List

Fill out this section for each element for this project

Name/Description of Element: Number of

Type of Structure: ☐ Berm ☐ Floodwall ☐ Other:

Design Storm: Proposed Material: ☐ Earthen ☐ Concrete ☐ Other:

	Drainage Area (sq. mi)	Design Discharge (cfs)	100-year Discharge (cfs)
Water side			
Land side			

Minimum Freeboard: Average: ft Upstream End: ft Downstream End: ft

Internal Drainage Plan ☐ Yes ☐ No ☐ Attached

Geotechnical Report ☐ Yes ☐ No ☐ Attached

Hydraulic Study ☐ Yes ☐ No ☐ Attached

Proposed Pumps ☐ Yes ☐ No ☐ Description Attached

Immediate downstream maximum non-damaging discharge: cfs

Flap Gates / Flood Gates Check List

Fill out this section for each element for this project

Name/Description of Element: Number of

Design Storm: Hydraulic Study ☐ Yes ☐ No ☐ Attached

	Drainage Area (sq. mi)	Design Discharge (cfs)	100-year Discharge (cfs)
Water side			
Land side			

Upstream Pool Elevation: ft. msl. Lowest Finished Floor of Adjacent Structures: ft. msl.

Pool elevation determined by: ☐ Computer Model (HEC-1, HEC-HMS, TR-20, etc):
☐ Modified Rational Method ☐ Other:

FEMA REGION VI MITIGATION GRANT PROGRAM
ENGINEERING CHECKLIST

Project Title:
Applicant: Project Location:
Project Number: Grant Number:

Bridge / Culvert Check List

Fill out this section for each element for this project

Name/Description of Element: Number of

Method used to size the proposed structure (e.g., HEC-2, HEC-RAS, WSPRO, HY8):

Dimensions:
Culvert Set #1 barrels foot span by foot rise Material:
Culvert Set #2 barrels foot span by foot rise Material:
Culvert Set #3 barrels foot span by foot rise Material:

Upstream Flowline: Downstream Flowline: High Chord: Low Chord:

Total cross sectional area below low chord: sq. ft. Drainage Area: sq. mi.

Design Storm: Structure Capacity: cfs at Headwater Elevation: ft. msl.

	Design Storm	100-Year
Peak Discharge (cfs)		
Tail Water (ft msl)		
Headwater (ft msl)		

Immediate downstream maximum non-damaging discharge: cfs

Channelization Check List

Fill out this section for each element for this project

Name/Description of Element: Number of

Proposed material: ☐ Earthen/grass lined ☐ Concrete ☐ Gabion Lined ☐ Other:

Drainage Area: sq. mi. Design Storm:

Design Peak Discharge: cfs 100-Year Peak Discharge: cfs

Channel Capacity: cfs ☐ with feet of freeboard ☐ without freeboard

Sizing Method: ☐ Computer Model (HEC-2, HEC-RAS, etc):
☐ Hand Calculation (Manning's Equation or other):

Immediate downstream maximum non-damaging discharge: cfs

Texas State Benefit-Cost Study Coversheet

(Attach this coversheet to the face of any benefit-cost study submitted for HMGP)

The benefit-cost ratio for this project is 3.46 **to 1.** Date:

The BCA software version is: 5.3

1. The Benefit-Cost study method I have chosen to use is: (check one)

- [x] Flood
- [ ] Hurricane
- [ ] Tornado
- [ ] Wildfire
- [ ] Earthquake
- [ ] Damage Frequency Analysis (DFA)

2. The loss frequency (if applicable) is _____ years[1]. _____

3. I have checked and to the best of my ability to determine, the attached benefit-cost study is mathematically correct. Additionally, all figures used are supported by a benefit cost analysis narrative and attached documentation.

_____

Name of Person Preparing | Signature | Date

_____

Primary Contact Number | Secondary Contact Number

_____

Email address

For State Use Only, review statement.

[1] This is a number, not a range of numbers. Example: 5 years or 6.7 years, not 'frequently' or 'every 5 to 7 years'

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Project Summary:

Project Number:		Disaster #:	
Program:		Agency:	CDM Smith
Analyst:		Discount Rate:	0.070
Point of Contact:		Phone Number:	
Address:	Fair Oaks Ranch, Texas		
Email:			
Comments:			

Structure Summary For:

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

9016 Jodhpur Dr, 9016 Jodhpur Dr, Fair Oaks Ranch, Texas, 78015, Bexar

Structure Type: Building Historic Building: No Contact:

Benefits: $562,831 Costs: $326,667 BCR: 1.72

Mitigation	Hazard	BCR	Benefits	Costs
Acquisition	Flood	1.72	$562,831	$326,667

9023 Jodhpur Dr, 9023 Jodhpur Dr, Fair Oaks Ranch, Texas, 78015, Bexar

Structure Type: Building Historic Building: No Contact:

Benefits: $430,859 Costs: $253,229 BCR: 1.70

Mitigation	Hazard	BCR	Benefits	Costs
Acquisition	Flood	1.70	$430,859	$253,229

9024 Jodhpur Dr, Fair Oaks, Texas, 78015, Bexar

Structure Type: Building Historic Building: No Contact:

Benefits: $2,095,219 Costs: $312,926 BCR: 6.70

Mitigation	Hazard	BCR	Benefits	Costs
Acquisition	Flood	6.70	$2,095,219	$312,926

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Structure and Mitigation Details For: 9016 Jodhpur Dr, 9016 Jodhpur Dr, Fair Oaks Ranch, Texas, 78015, Bexar

Benefits: $562,831 Costs: $326,667 BCR: 1.72

Hazard: **Flood**

Mitigation Option: Acquisition

Latitude:		Longitude:			
Size of Building:	4,208	BRV ($/sf):	$77.63	Total BRV:	$326,667
Residential:	Yes	Building Type:	Two or More Stories		
Obstruction:	N/A	Foundation Type:	Slab	Basement:	No
Building Primary Use:		Structure Type:		Historic Building:	No
Structure Elevation:	1,317.00	First Floor Being Raised:		Demolition Threshold:	50.00%
Source of Flood Data:	HH	Project in SFHA:	No	Community ID Number:	
Effective FIS Date:		FIRM Panel Number:		FIRM Effective Date:	
Project Useful Life:	100	H&H Study Title:	Fair Oaks Study	H&H Effective Date:	02/09/2018
Flood Zone:	Unknown	Loss of Rent:	$0		
Building Contents:	$326,667 (Default)			Value of Crawlspace Contents:	$0
Ground Surface Elevation:				Flood Zone Determination:	
Breaking Wave Height:				Utilities that are not elevated:	No
Height FFE Above Grade:	1,317.00			One Time Displacement Costs:	$0
NFIP:	No			Displacement Costs:	$0 (Default)
ICC:	No			Current federal lodging per diem:	$91
				Population affected :	0
				Current federal meals per diem:	$51
				Cost per person to eat meals at home:	$7

Street Maintenance Details

Street maintenance budget ($)

Miles of street (miles)

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Length of road (miles)	
Total Reduced Street Maintenance Costs	$0.00

Volunteer Costs

Number of Volunteers Required:		Number of Hours Volunteered/Person:	
Cost of Volunteers Time ($/Hour/Person):		Number of Days Lodging/Volunteer:	
Per-Person Cost of Lodging for a Volunteer:		Cost of Volunteers:	

Social Benefits

Mental Stress and Anxiety

Number of Person:	
Treatment Costs per person:	$2,443.00
Total Mental Stress and Anxiety Cost:	$0.00

Lost Productivity

Number of Worker:	
Productivity Loss per person:	$8,736.00
Total Lost Productivity Cost:	$0.00

Riverine Elevation and Discharge Data

Streambed Elevation (ft):	1,316.6	Flood Profile Number:	
Flood Source Name:			
Elevation At Which Barrier Will Be Overtopped:			
FEMA Elevation Certificate Diagram Description:		Other Elevation Source:	

Recurrence Interval (yr)	Percent Annual Chance (%)	Elevation Before Mitigation (ft)	Discharge Before Mitigation (cfs)	Elevation After Mitigation (ft)	Discharge After Mitigation (cfs)
10	10.00%	1,316.94	16.2	1,316.94	16.2
25	4.00%	1,316.96	20.4	1,316.96	20.4
50	2.00%	1,317.01	66.2	1,317.01	66.2
100	1.00%	1,317.03	77.3	1,317.03	77.3

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Building	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	3.0%	0.0%	$9,800	0.0%	0.0%	$0
0.0	9.3%	0.0%	$30,380	0.0%	0.0%	$0
1.0	15.2%	0.0%	$49,653	0.0%	0.0%	$0
2.0	20.9%	0.0%	$68,273	0.0%	0.0%	$0
3.0	26.3%	0.0%	$85,913	0.0%	0.0%	$0
4.0	31.4%	0.0%		0.0%	0.0%	
5.0	36.2%	0.0%		0.0%	0.0%	
6.0	40.7%	0.0%		0.0%	0.0%	
7.0	44.9%	0.0%		0.0%	0.0%	
8.0	48.8%	0.0%		0.0%	0.0%	
9.0	52.4%	0.0%		0.0%	0.0%	
10.0	55.7%	0.0%		0.0%	0.0%	
11.0	58.7%	0.0%		0.0%	0.0%	
12.0	61.4%	0.0%		0.0%	0.0%	
13.0	63.8%	0.0%	$326,667	0.0%	0.0%	$0
14.0	65.9%	0.0%	$326,667	0.0%	0.0%	$0
15.0	67.7%	0.0%	$326,667	0.0%	0.0%	$0
16.0	69.2%	0.0%	$326,667	0.0%	0.0%	$0

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Contents	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	1.0%	0.0%	$3,267	0.0%	0.0%	$0
0.0	5.0%	0.0%	$16,333	0.0%	0.0%	$0
1.0	8.7%	0.0%	$28,420	0.0%	0.0%	$0
2.0	12.2%	0.0%	$39,853	0.0%	0.0%	$0
3.0	15.5%	0.0%	$50,633	0.0%	0.0%	$0
4.0	18.5%	0.0%	$60,433	0.0%	0.0%	$0
5.0	21.3%	0.0%	$69,580	0.0%	0.0%	$0
6.0	23.9%	0.0%	$78,073	0.0%	0.0%	$0
7.0	26.3%	0.0%	$85,913	0.0%	0.0%	$0
8.0	28.4%	0.0%	$92,773	0.0%	0.0%	$0
9.0	30.3%	0.0%	$98,980	0.0%	0.0%	$0
10.0	32.0%	0.0%	$104,533	0.0%	0.0%	$0
11.0	33.4%	0.0%	$109,107	0.0%	0.0%	$0
12.0	34.7%	0.0%	$113,353	0.0%	0.0%	$0
13.0	35.6%	0.0%	$116,293	0.0%	0.0%	$0
14.0	36.4%	0.0%	$118,907	0.0%	0.0%	$0
15.0	36.9%	0.0%	$120,540	0.0%	0.0%	$0
16.0	37.2%	0.0%	$121,520	0.0%	0.0%	$0

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Displacement	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Loss of Function	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Environmental Benefits

Land Use

Total Project Area (Acres):

Parcel Type	% of Parcel Type Being Used	$/Acre/Year
	%	

Other Benefits

Other Benefits Before Mitigation

No Data

Other Benefits After Mitigation

No Data

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

BCR Calculation Results

Expected Annual Damages Before Mitigation		Expected Annual Damages After Mitigation		Expected Avoided Damages After Mitigation (Benefits)	
Annual:	$39,444	Annual:	$0	Annual:	$39,444
Present Value:	$562,831	Present Value:	$0	Present Value:	$562,831

Mitigation Benefits:	$562,831	Mitigation Costs:	$326,667
Benefits Minus Costs:	$236,164	Benefit-Cost Ratio:	1.72

Cost Estimate

Project Useful Life (years):	100	Construction Type:	
Mitigation Project Cost:	$326,667	Detailed Scope of Work:	Yes
Annual Project Maintenance Cost:	$0	Detailed Estimate for Entire Project:	Yes
Final Mitigation Project Cost:	$326,667	Years of Maintenance:	100
Cost Basis Year:		Present Worth of Annual Maintenance Costs:	$0
Construction Start Year:		Estimate Reflects Current Prices:	No
Construction End Year:		Project Escalation:	

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Justification/Attachments

Field	Description	Attachments

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Structure and Mitigation Details For: 9023 Jodhpur Dr, 9023 Jodhpur Dr, Fair Oaks Ranch, Texas, 78015, Bexar

Benefits: $430,859 Costs: $253,229 BCR: 1.70

Hazard: **Flood**

Mitigation Option: Acquisition

Latitude:		Longitude:			
Size of Building:	3,262	BRV ($/sf):	$77.63	Total BRV:	$253,229
Residential:	Yes	Building Type:	Two or More Stories		
Obstruction:	N/A	Foundation Type:	Slab	Basement:	No
Building Primary Use:		Structure Type:		Historic Building:	No
Structure Elevation:	1,317.00	First Floor Being Raised:		Demolition Threshold:	50.00%
Source of Flood Data:	HH	Project in SFHA:	No	Community ID Number:	
Effective FIS Date:		FIRM Panel Number:		FIRM Effective Date:	
Project Useful Life:	100	H&H Study Title:	Fair Oaks Project	H&H Effective Date:	02/09/2018
Flood Zone:		Loss of Rent:	$0		
Building Contents:	$253,229 (Default)			Value of Crawlspace Contents:	$0
Ground Surface Elevation:				Flood Zone Determination:	
Breaking Wave Height:				Utilities that are not elevated:	No
Height FFE Above Grade:	1,317.00			One Time Displacement Costs:	$0
NFIP:	No			Displacement Costs:	$0 (Default)
ICC:	No			Current federal lodging per diem:	$91
				Population affected :	0
				Current federal meals per diem:	$51
				Cost per person to eat meals at home:	$7

Street Maintenance Details

Street maintenance budget ($)

Miles of street (miles)

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Length of road (miles)

Total Reduced Street Maintenance Costs $0.00

Volunteer Costs

Number of Volunteers Required: Number of Hours Volunteered/Person:

Cost of Volunteers Time ($/Hour/Person): Number of Days Lodging/Volunteer:

Per-Person Cost of Lodging for a Volunteer: Cost of Volunteers:

Social Benefits

Mental Stress and Anxiety

Number of Person:

Treatment Costs per person: $2,443.00

Total Mental Stress and Anxiety Cost: $0.00

Lost Productivity

Number of Worker:

Productivity Loss per person: $8,736.00

Total Lost Productivity Cost: $0.00

Riverine Elevation and Discharge Data

Streambed Elevation (ft): 1,316.0 Flood Profile Number:

Flood Source Name:

Elevation At Which Barrier Will Be Overtopped:

FEMA Elevation Certificate Diagram Description: Other Elevation Source:

Recurrence Interval (yr)	Percent Annual Chance (%)	Elevation Before Mitigation (ft)	Discharge Before Mitigation (cfs)	Elevation After Mitigation (ft)	Discharge After Mitigation (cfs)
10	10.00%	1,316.94	16.2	1,316.94	16.2
25	4.00%	1,316.96	20.4	1,316.96	20.4
50	2.00%	1,317.01	66.2	1,317.01	66.2
100	1.00%	1,317.03	77.3	1,317.03	77.3

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Building	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	Before Mitigation (pct)	Before Mitigation User Entered (pct)	Before Mitigation ($)	After Mitigation (pct)	After Mitigation User Entered (pct)	After Mitigation ($)
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	3.0%	0.0%	$7,597	0.0%	0.0%	$0
0.0	9.3%	0.0%	$23,550	0.0%	0.0%	$0
1.0	15.2%	0.0%	$38,491	0.0%	0.0%	$0
2.0	20.9%	0.0%		0.0%	0.0%	
3.0	26.3%	0.0%		0.0%	0.0%	
4.0	31.4%	0.0%		0.0%	0.0%	
5.0	36.2%	0.0%		0.0%	0.0%	
6.0	40.7%	0.0%		0.0%	0.0%	
7.0	44.9%	0.0%		0.0%	0.0%	
8.0	48.8%	0.0%		0.0%	0.0%	
9.0	52.4%	0.0%		0.0%	0.0%	
10.0	55.7%	0.0%		0.0%	0.0%	
11.0	58.7%	0.0%		0.0%	0.0%	
12.0	61.4%	0.0%		0.0%	0.0%	
13.0	63.8%	0.0%		0.0%	0.0%	
14.0	65.9%	0.0%		0.0%	0.0%	
15.0	67.7%	0.0%	$253,229	0.0%	0.0%	$0
16.0	69.2%	0.0%	$253,229	0.0%	0.0%	$0

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Contents	**Before Mitigation Values:**			**After Mitigation Values:**		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	1.0%	0.0%	$2,532	0.0%	0.0%	$0
0.0	5.0%	0.0%	$12,661	0.0%	0.0%	$0
1.0	8.7%	0.0%	$22,031	0.0%	0.0%	$0
2.0	12.2%	0.0%	$30,894	0.0%	0.0%	$0
3.0	15.5%	0.0%	$39,251	0.0%	0.0%	$0
4.0	18.5%	0.0%	$46,847	0.0%	0.0%	$0
5.0	21.3%	0.0%	$53,938	0.0%	0.0%	$0
6.0	23.9%	0.0%	$60,522	0.0%	0.0%	$0
7.0	26.3%	0.0%	$66,599	0.0%	0.0%	$0
8.0	28.4%	0.0%	$71,917	0.0%	0.0%	$0
9.0	30.3%	0.0%	$76,728	0.0%	0.0%	$0
10.0	32.0%	0.0%	$81,033	0.0%	0.0%	$0
11.0	33.4%	0.0%	$84,579	0.0%	0.0%	$0
12.0	34.7%	0.0%	$87,870	0.0%	0.0%	$0
13.0	35.6%	0.0%	$90,150	0.0%	0.0%	$0
14.0	36.4%	0.0%	$92,175	0.0%	0.0%	$0
15.0	36.9%	0.0%	$93,442	0.0%	0.0%	$0
16.0	37.2%	0.0%	$94,201	0.0%	0.0%	$0

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Displacement	**Before Mitigation Values:**			**After Mitigation Values:**		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Loss of Function	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	Before Mitigation (Days)	Before Mitigation User Entered (Days)	Before Mitigation ($)	After Mitigation (Days)	After Mitigation User Entered (Days)	After Mitigation ($)
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Environmental Benefits

Land Use

Total Project Area (Acres):

Parcel Type	% of Parcel Type Being Used	$/Acre/Year
	%	

Other Benefits

Other Benefits Before Mitigation

No Data

Other Benefits After Mitigation

No Data

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

BCR Calculation Results

Expected Annual Damages Before Mitigation		Expected Annual Damages After Mitigation		Expected Avoided Damages After Mitigation (Benefits)	
Annual:	$30,195	Annual:	$0	Annual:	$30,195
Present Value:	$430,859	Present Value:	$0	Present Value:	$430,859

Mitigation Benefits:	$430,859	Mitigation Costs:	$253,229
Benefits Minus Costs:	$177,630	Benefit-Cost Ratio:	1.70

Cost Estimate

Project Useful Life (years):	100	Construction Type:	
Mitigation Project Cost:	$253,229	Detailed Scope of Work:	Yes
Annual Project Maintenance Cost:	$0	Detailed Estimate for Entire Project:	Yes
Final Mitigation Project Cost:	$253,229	Years of Maintenance:	100
Cost Basis Year:		Present Worth of Annual Maintenance Costs:	$0
Construction Start Year:		Estimate Reflects Current Prices:	Yes
Construction End Year:		Project Escalation:	

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Justification/Attachments

Field	Description	Attachments

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Structure and Mitigation Details For: 9024 Jodhpur Dr, Fair Oaks, Texas, 78015, Bexar

Benefits: $2,095,219 Costs: $312,926 BCR: 6.70

Hazard: **Flood**

Mitigation Option: Acquisition

Latitude:		Longitude:			
Size of Building:	4,031	BRV ($/sf):	$77.63	Total BRV:	$312,927
Residential:	Yes	Building Type:	Two or More Stories		
Obstruction:	N/A	Foundation Type:	Slab	Basement:	No
Building Primary Use:		Structure Type:		Historic Building:	No
Structure Elevation:	1,316.00	First Floor Being Raised:		Demolition Threshold:	50.00%
Source of Flood Data:	HH	Project in SFHA:	No	Community ID Number:	
Effective FIS Date:		FIRM Panel Number:		FIRM Effective Date:	
Project Useful Life:	100	H&H Study Title:	Fair Oaks Study	H&H Effective Date:	02/09/2018
Flood Zone:		Loss of Rent:	$0		
Building Contents:	$312,927 (Default)			Value of Crawlspace Contents:	$0
Ground Surface Elevation:				Flood Zone Determination:	
Breaking Wave Height:				Utilities that are not elevated:	No
Height FFE Above Grade:	1,316.00			One Time Displacement Costs:	$0
NFIP:	No			Displacement Costs:	$0 (Default)
ICC:	No			Current federal lodging per diem:	$91
				Population affected :	0
				Current federal meals per diem:	$51
				Cost per person to eat meals at home:	$7

Street Maintenance Details

Street maintenance budget ($)

Miles of street (miles)

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Length of road (miles)	
Total Reduced Street Maintenance Costs	$0.00

Volunteer Costs

Number of Volunteers Required:		Number of Hours Volunteered/Person:	
Cost of Volunteers Time ($/Hour/Person):		Number of Days Lodging/Volunteer:	
Per-Person Cost of Lodging for a Volunteer:		Cost of Volunteers:	

Social Benefits

Mental Stress and Anxiety

Number of Person:	
Treatment Costs per person:	$2,443.00
Total Mental Stress and Anxiety Cost:	$0.00

Lost Productivity

Number of Worker:	
Productivity Loss per person:	$8,736.00
Total Lost Productivity Cost:	$0.00

Riverine Elevation and Discharge Data

Streambed Elevation (ft):	1,316.0	Flood Profile Number:	
Flood Source Name:			
Elevation At Which Barrier Will Be Overtopped:			
FEMA Elevation Certificate Diagram Description:		Other Elevation Source:	

Recurrence Interval (yr)	Percent Annual Chance (%)	Elevation Before Mitigation (ft)	Discharge Before Mitigation (cfs)	Elevation After Mitigation (ft)	Discharge After Mitigation (cfs)
10	10.00%	1,316.37	16.2	1,316.37	16.2
25	4.00%	1,316.44	20.4	1,316.44	20.4
50	2.00%	1,316.51	66.2	1,316.51	66.2
100	1.00%	1,316.55	77.3	1,316.55	77.3

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Building	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	Before Mitigation (pct)	Before Mitigation User Entered (pct)	Before Mitigation ($)	After Mitigation (pct)	After Mitigation User Entered (pct)	After Mitigation ($)
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	3.0%	0.0%	$9,388	0.0%	0.0%	$0
0.0	9.3%	0.0%	$29,102	0.0%	0.0%	$0
1.0	15.2%	0.0%	$47,565	0.0%	0.0%	$0
2.0	20.9%	0.0%		0.0%	0.0%	
3.0	26.3%	0.0%		0.0%	0.0%	
4.0	31.4%	0.0%		0.0%	0.0%	
5.0	36.2%	0.0%		0.0%	0.0%	
6.0	40.7%	0.0%		0.0%	0.0%	
7.0	44.9%	0.0%		0.0%	0.0%	
8.0	48.8%	0.0%		0.0%	0.0%	
9.0	52.4%	0.0%		0.0%	0.0%	
10.0	55.7%	0.0%		0.0%	0.0%	
11.0	58.7%	0.0%		0.0%	0.0%	
12.0	61.4%	0.0%		0.0%	0.0%	
13.0	63.8%	0.0%		0.0%	0.0%	
14.0	65.9%	0.0%		0.0%	0.0%	
15.0	67.7%	0.0%	$312,927	0.0%	0.0%	$0
16.0	69.2%	0.0%	$312,927	0.0%	0.0%	$0

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Contents	**Before Mitigation Values:**			**After Mitigation Values:**		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	1.0%	0.0%	$3,129	0.0%	0.0%	$0
0.0	5.0%	0.0%	$15,646	0.0%	0.0%	$0
1.0	8.7%	0.0%	$27,225	0.0%	0.0%	$0
2.0	12.2%	0.0%	$38,177	0.0%	0.0%	$0
3.0	15.5%	0.0%	$48,504	0.0%	0.0%	$0
4.0	18.5%	0.0%	$57,891	0.0%	0.0%	$0
5.0	21.3%	0.0%	$66,653	0.0%	0.0%	$0
6.0	23.9%	0.0%	$74,789	0.0%	0.0%	$0
7.0	26.3%	0.0%	$82,300	0.0%	0.0%	$0
8.0	28.4%	0.0%	$88,871	0.0%	0.0%	$0
9.0	30.3%	0.0%	$94,817	0.0%	0.0%	$0
10.0	32.0%	0.0%	$100,136	0.0%	0.0%	$0
11.0	33.4%	0.0%	$104,517	0.0%	0.0%	$0
12.0	34.7%	0.0%	$108,586	0.0%	0.0%	$0
13.0	35.6%	0.0%	$111,402	0.0%	0.0%	$0
14.0	36.4%	0.0%	$113,905	0.0%	0.0%	$0
15.0	36.9%	0.0%	$115,470	0.0%	0.0%	$0
16.0	37.2%	0.0%	$116,409	0.0%	0.0%	$0

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Displacement	**Before Mitigation Values:**			**After Mitigation Values:**		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Loss of Function	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	Before Mitigation (Days)	Before Mitigation User Entered (Days)	Before Mitigation ($)	After Mitigation (Days)	After Mitigation User Entered (Days)	After Mitigation ($)
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Environmental Benefits

Land Use

Total Project Area (Acres):

Parcel Type	% of Parcel Type Being Used	$/Acre/Year
	%	

Other Benefits

Other Benefits Before Mitigation

No Data

Other Benefits After Mitigation

No Data

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

BCR Calculation Results

Expected Annual Damages Before Mitigation		Expected Annual Damages After Mitigation		Expected Avoided Damages After Mitigation (Benefits)	
Annual:	$146,835	Annual:	$0	Annual:	$146,835
Present Value:	$2,095,219	Present Value:	$0	Present Value:	$2,095,219

Mitigation Benefits:	$2,095,219	Mitigation Costs:	$312,926
Benefits Minus Costs:	$1,782,293	Benefit-Cost Ratio:	6.70

Cost Estimate

Project Useful Life (years):	100	Construction Type:	
Mitigation Project Cost:	$312,926	Detailed Scope of Work:	Yes
Annual Project Maintenance Cost:	$0	Detailed Estimate for Entire Project:	Yes
Final Mitigation Project Cost:	$312,926	Years of Maintenance:	100
Cost Basis Year:		Present Worth of Annual Maintenance Costs:	$0
Construction Start Year:		Estimate Reflects Current Prices:	Yes
Construction End Year:		Project Escalation:	

Total Benefits: **$3,088,909** Total Costs: **$892,822** BCR: **3.46**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Justification/Attachments

Field	Description	Attachments

"A" Site 26

Site 26:

Project Scope of Work

Large amounts of runoff flow through backyards of properties located at this site. The floodplain was revised and now further encroaches into properties in this gated subdivision. The channels conveying water through this location were noted to be quite eroded during a site visit. To prevent flows running through properties at this site, conveyance should be increased by excavating the channel the be deeper and/or wider to mitigate flooding from FEMA floodplain. Erosion control measures, such as riprap or turf reinforced mat, should be installed to protect channel and slow velocities.

Project Cost Breakdown

The project cost will be $2,000 to $20,000, with an estimate average cost of $11,000.

Project Timeline

The current project timeline is to have the projected completed within three years of the start date.

FEMA Engineering Checklist

Attached in file

BCA Cover Sheet

Attached in file

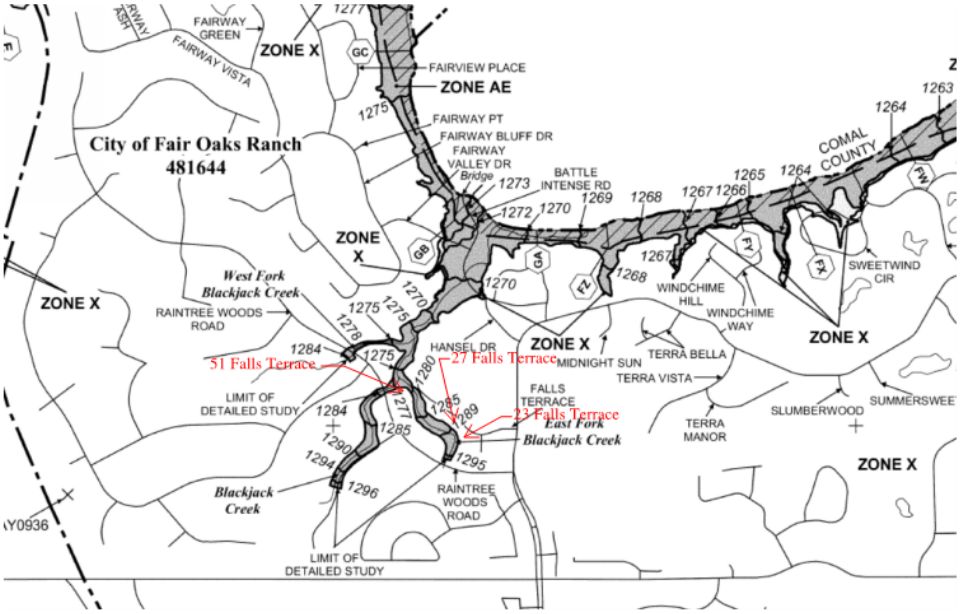
BCA Data and Supporting Documentation

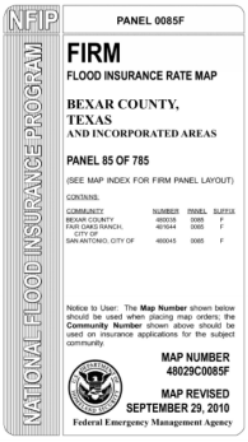
Name	Distance from Junction	5 yr	10 yr	25 yr	50 yr	100 yr	Length of Conduit	INVERTELEV		$ 20,000								
J1920		1279.53	1279.65	1279.83	1280	1280.08		1278										
J1932		1298.03	1298.08	1298.15	1298.23	1298.26	246.1	1297.2										
J1974		1287.12	1287.16	1287.22	1287.3	1287.34		1286.5										
J2779		1286	1286.17	1286.41	1286.62	1286.71	368.5											
J2976		1275.78	1275.9	1276.39	1277.07	1277.33	282.5											
							FFE	FIRM BFE	New FFE	Elevation (ft)	Area (sq ft)	BRV	Cost	INVERTELEV	Conduit	10-YR Flo	25-yr Flo	50-yr Flo	100-yr Flow
27 Falls Terrace	0	1298.03	1298.08	1298.15	1298.23	1298.26	1297	1284.5	1299.0	2.0	2684	81.76	$ 219,449.48	1297.2	C1235	78.75	101.07	132.04	150.07
23 Falls Terrace	0	1298.03	1298.08	1298.15	1298.23	1298.26	1298.4	1284.5	1299.0	0.6	3484	77.63	$ 270,462.92	1297.2	C1235	78.75	101.07	132.04	150.07
51 Falls Terrace	0	1279.53	1279.65	1279.83	1280	1280.08	1279	1285	1281	2.0	3179	77.79	$ 247,306.49	1278	C266	464.35	632.92	812.3	894.49

Exterior Wall	600	800	1000	1200	1400	1600	1800	2000	2400	2800	3200
Wood Siding - Wood Frame	143.52	128.67	117.85	109.20	101.92	97.14	94.52	91.40	85.24	80.75	77.63
Brick Veneer - Wood Frame	148.68	133.24	121.97	112.90	105.33	100.34	97.64	94.27	87.90	83.20	79.87
Stucco on Wood Frame	139.24	124.80	114.36	106.04	99.01	94.43	91.94	88.90	83.03	78.71	75.75
Solid Masonry	159.58	142.98	130.79	120.89	112.57	107.12	104.17	100.42	93.52	88.40	84.70

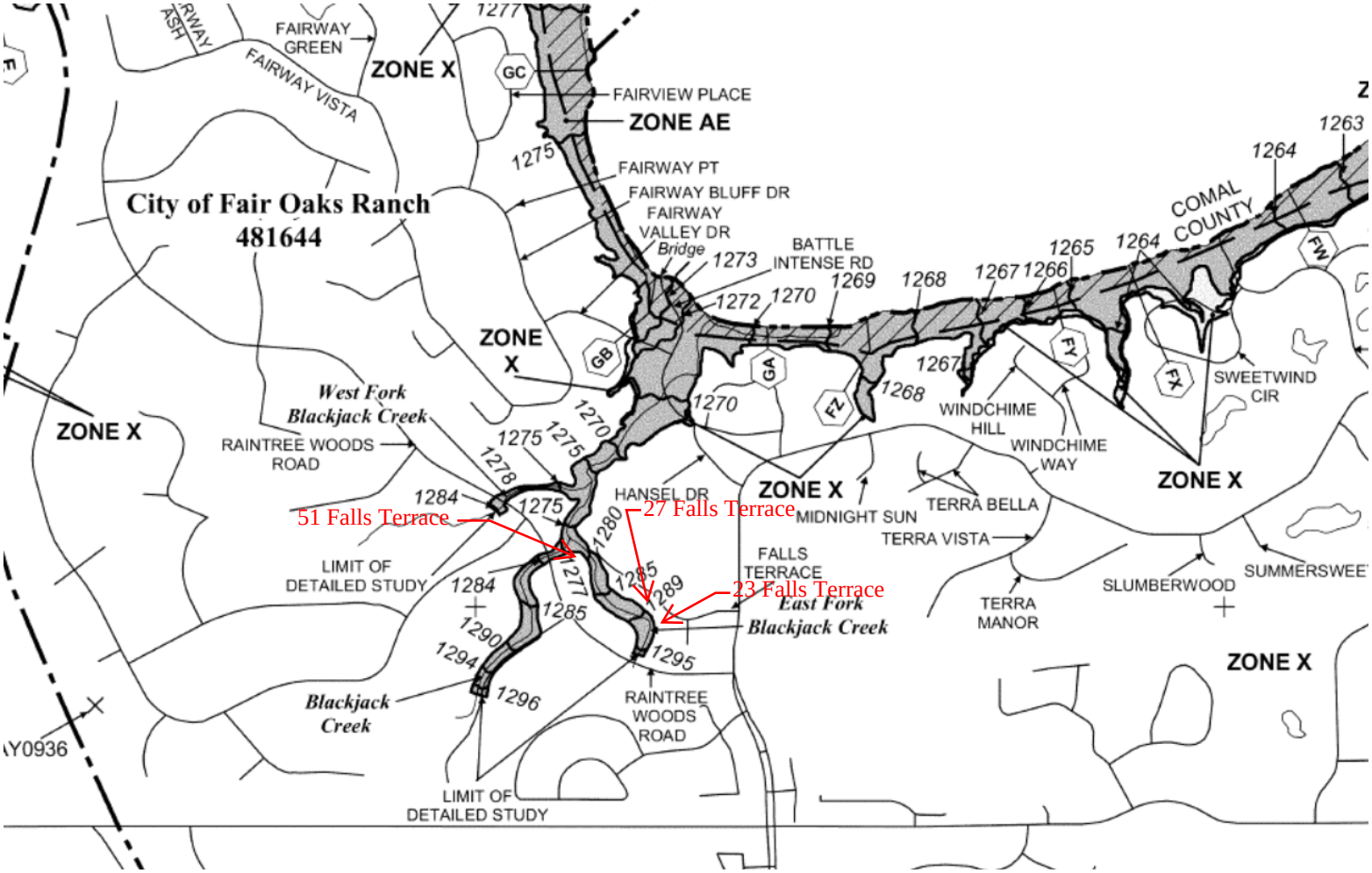
Attached in file

FIRM with Project Plotted





Site Photos



NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0085F

FIRM

FLOOD INSURANCE RATE MAP

BEXAR COUNTY, TEXAS
AND INCORPORATED AREAS

PANEL 85 OF 785

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
BEXAR COUNTY	480035	0085	F
FAIR OAKS RANCH, CITY OF	481644	0085	F
SAN ANTONIO, CITY OF	480045	0085	F

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
48029C0085F

MAP REVISED
SEPTEMBER 29, 2010

Federal Emergency Management Agency

Texas State Benefit-Cost Study Coversheet

(Attach this coversheet to the face of any benefit-cost study submitted for HMGP)

The benefit-cost ratio for this project is 3.67 **to 1.** Date:

The BCA software version is: 5.3

1. The Benefit-Cost study method I have chosen to use is: (check one)

- [x] Flood
- [ ] Hurricane
- [ ] Tornado
- [ ] Wildfire
- [ ] Earthquake
- [ ] Damage Frequency Analysis (DFA)

2. The loss frequency (if applicable) is _____ years[1]. _____

3. I have checked and to the best of my ability to determine, the attached benefit-cost study is mathematically correct. Additionally, all figures used are supported by a benefit cost analysis narrative and attached documentation.

_____

Name of Person Preparing | Signature | Date

_____

Primary Contact Number | Secondary Contact Number

_____

Email address

For State Use Only, review statement.

[1] This is a number, not a range of numbers. Example: 5 years or 6.7 years, not 'frequently' or 'every 5 to 7 years'

FEMA REGION VI MITIGATION GRANT PROGRAM
ENGINEERING CHECKLIST

Project Title: Fair Oaks Ranch Site 26
Applicant:
Project Number:
Project Location: Fair Oaks Ranch, TX
Grant Number:

Yes	No	Attached	Overall Project Information
		☑	How was this project identified?
☐	☑		Will this project change effective BFE's, floodplain or floodway boundaries?
☑	☐	☐	Has a flood study been prepared?

What level of planning has been completed?

☐	☑	☐	Conceptual – General layout, flow capacity, due diligence study, and quantity estimate
☐	☑	☐	Preliminary – 35% plans with survey, plan and profile sheets, grade lines and potential conflicts identified
☐	☑	☐	Final Plans – 100% complete plans and bid documents
☐	☑	☐	Has a Conditional Letter Of Map Revision (CLOMR) been prepared? ☐ Prepared ☐ Submitted ☐ Approved

Structural Elements

1) Check "Yes" for those elements that are proposed in this project,
2) list the number of each type of proposed structural element,
3) provide one copy of the corresponding "Structure Check List" for each proposed structure.

Yes	No	Number	Structure Type	Page
☐	☑		Detention / Retention	2
☐	☑		Diversion	2
☐	☑		Berm / Floodwall	3
☐	☑		Flap Gate / Flood Gate	3
☑	☐		Channelization	4
☐	☑		Bridge / Culvert	4

FEMA REGION VI MITIGATION GRANT PROGRAM
ENGINEERING CHECKLIST

Project Title:
Applicant: Project Location:
Project Number: Grant Number:

Detention / Retention Check List

Fill out this section for each element for this project

Name/Description of Element: Number of

Drainage Area: sq. mi. Type of Structure: ☐ Detention ☐ Retention

Does any portion meet the state definition of a Dam? ☐ Yes ☐ No

Design Storm: Classification

	Design Storm	100-Year
Peak Inflow (cfs)		
Peak Outflow (cfs)		
Storage Volume (ac-ft)		

Sizing Method: ☐ Computer Model (HEC-1, HEC-HMS, TR-20, etc):
☐ Modified Rational Method ☐ Other:

Immediate downstream maximum non-damaging discharge: cfs

Diversion Check List

Fill out this section for each element for this project

Name/Description of Element: Number of
Drainage Area: sq. mi. Type of Structure: ☐ Off Channel Storage ☐ Other:

Design Storm:

Peak Inflow: cfs Diverted Flow: cfs Remaining Flow: cfs

Diversion is proposed by: ☐ Gravity ☐ Pumping

Proposed pump Number: Size: gpm

Description of sizing method: ☐ is ☐ is not attached

Immediate downstream maximum non-damaging discharge: cfs

FEMA REGION VI MITIGATION GRANT PROGRAM
ENGINEERING CHECKLIST

Project Title:
Applicant: Project Location:
Project Number: Grant Number:

Berm / Floodwall Check List

Fill out this section for each element for this project

Name/Description of Element: Number of

Type of Structure: ☐ Berm ☐ Floodwall ☐ Other:

Design Storm: Proposed Material: ☐ Earthen ☐ Concrete ☐ Other:

	Drainage Area (sq. mi)	Design Discharge (cfs)	100-year Discharge (cfs)
Water side			
Land side			

Minimum Freeboard: Average: ft Upstream End: ft Downstream End: ft

Internal Drainage Plan ☐ Yes ☐ No ☐ Attached

Geotechnical Report ☐ Yes ☐ No ☐ Attached

Hydraulic Study ☐ Yes ☐ No ☐ Attached

Proposed Pumps ☐ Yes ☐ No ☐ Description Attached

Immediate downstream maximum non-damaging discharge: cfs

Flap Gates / Flood Gates Check List

Fill out this section for each element for this project

Name/Description of Element: Number of

Design Storm: Hydraulic Study ☐ Yes ☐ No ☐ Attached

	Drainage Area (sq. mi)	Design Discharge (cfs)	100-year Discharge (cfs)
Water side			
Land side			

Upstream Pool Elevation: ft. msl. Lowest Finished Floor of Adjacent Structures: ft. msl.

Pool elevation determined by: ☐ Computer Model (HEC-1, HEC-HMS, TR-20, etc):
☐ Modified Rational Method ☐ Other:

FEMA REGION VI MITIGATION GRANT PROGRAM
ENGINEERING CHECKLIST

Project Title:
Applicant: Project Location:
Project Number: Grant Number:

Bridge / Culvert Check List

Fill out this section for each element for this project

Name/Description of Element: Number of

Method used to size the proposed structure (e.g., HEC-2, HEC-RAS, WSPRO, HY8):

Dimensions:
Culvert Set #1 barrels foot span by foot rise Material:
Culvert Set #2 barrels foot span by foot rise Material:
Culvert Set #3 barrels foot span by foot rise Material:

Upstream Flowline: Downstream Flowline: High Chord: Low Chord:

Total cross sectional area below low chord: sq. ft. Drainage Area: sq. mi.

Design Storm: Structure Capacity: cfs at Headwater Elevation: ft. msl.

	Design Storm	100-Year
Peak Discharge (cfs)		
Tail Water (ft msl)		
Headwater (ft msl)		

Immediate downstream maximum non-damaging discharge: cfs

Channelization Check List

Fill out this section for each element for this project

Name/Description of Element: Number of

Proposed material: ☐ Earthen/grass lined ☐ Concrete ☐ Gabion Lined ☐ Other:

Drainage Area: sq. mi. Design Storm:

Design Peak Discharge: cfs 100-Year Peak Discharge: cfs

Channel Capacity: cfs ☐ with feet of freeboard ☐ without freeboard

Sizing Method: ☐ Computer Model (HEC-2, HEC-RAS, etc):
☐ Hand Calculation (Manning's Equation or other):

Immediate downstream maximum non-damaging discharge: cfs

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Project Summary:

Project Number:		Disaster #:	
Program:		Agency:	CDM Smith
Analyst:		Discount Rate:	0.070
Point of Contact:		Phone Number:	
Address:	Fair Oaks Ranch, Texas		
Email:			
Comments:			

Structure Summary For:

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

23 Falls Ter, 23 Falls Ter, Fair Oaks Ranch, Texas, 78015, Bexar

Structure Type: Building Historic Building: No Contact:

Benefits: $337,693 Costs: $270,463 BCR: 1.25

Mitigation	Hazard	BCR	Benefits	Costs
Acquisition	Flood	1.25	$337,693	$270,463

27 Falls Ter, 27 Falls Ter, Fair Oaks Ranch, Texas, 78015, Bexar

Structure Type: Building Historic Building: No Contact:

Benefits: $1,808,904 Costs: $219,449 BCR: 8.24

Mitigation	Hazard	BCR	Benefits	Costs
Acquisition	Flood	8.24	$1,808,904	$219,449

51 Falls Ter, 51 Falls Ter, Fair Oaks Ranch, Texas, 78015, Bexar

Structure Type: Building Historic Building: No Contact:

Benefits: $562,556 Costs: $247,306 BCR: 2.27

Mitigation	Hazard	BCR	Benefits	Costs
Acquisition	Flood	2.27	$562,556	$247,306

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Structure and Mitigation Details For: 23 Falls Ter, 23 Falls Ter, Fair Oaks Ranch, Texas, 78015, Bexar

Benefits: $337,693 Costs: $270,463 BCR: 1.25

Hazard: **Flood**

Mitigation Option: Acquisition

Latitude:		Longitude:			
Size of Building:	3,484	BRV ($/sf):	$77.63	Total BRV:	$270,463
Residential:	Yes	Building Type:	Two or More Stories		
Obstruction:	N/A	Foundation Type:	Pile	Basement:	No
Building Primary Use:		Structure Type:		Historic Building:	No
Structure Elevation:	1,298.40	First Floor Being Raised:		Demolition Threshold:	50.00%
Source of Flood Data:	HH	Project in SFHA:	No	Community ID Number:	
Effective FIS Date:		FIRM Panel Number:		FIRM Effective Date:	
Project Useful Life:	100	H&H Study Title:	Fair Oaks Study	H&H Effective Date:	02/09/2018
Flood Zone:		Loss of Rent:	$0		
Building Contents:	$270,463 (Default)			Value of Crawlspace Contents:	$0
Ground Surface Elevation:				Flood Zone Determination:	
Breaking Wave Height:				Utilities that are not elevated:	No
Height FFE Above Grade:	1,298.40			One Time Displacement Costs:	$0
NFIP:	No			Displacement Costs:	$0 (Default)
ICC:	No			Current federal lodging per diem:	$91
				Population affected :	0
				Current federal meals per diem:	$51
				Cost per person to eat meals at home:	$7

Street Maintenance Details

Street maintenance budget ($)

Miles of street (miles)

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Length of road (miles)	
Total Reduced Street Maintenance Costs	$0.00

Volunteer Costs

Number of Volunteers Required:		Number of Hours Volunteered/Person:	
Cost of Volunteers Time ($/Hour/Person):		Number of Days Lodging/Volunteer:	
Per-Person Cost of Lodging for a Volunteer:		Cost of Volunteers:	

Social Benefits

Mental Stress and Anxiety

Number of Person:	
Treatment Costs per person:	$2,443.00
Total Mental Stress and Anxiety Cost:	$0.00

Lost Productivity

Number of Worker:	
Productivity Loss per person:	$8,736.00
Total Lost Productivity Cost:	$0.00

Riverine Elevation and Discharge Data

Streambed Elevation (ft):	1,297.2	Flood Profile Number:	
Flood Source Name:			
Elevation At Which Barrier Will Be Overtopped:			
FEMA Elevation Certificate Diagram Description:		Other Elevation Source:	

Recurrence Interval (yr)	Percent Annual Chance (%)	Elevation Before Mitigation (ft)	Discharge Before Mitigation (cfs)	Elevation After Mitigation (ft)	Discharge After Mitigation (cfs)
10	10.00%	1,298.08	78.8	1,298.08	78.8
25	4.00%	1,298.15	101.1	1,298.15	101.1
50	2.00%	1,298.23	132.0	1,298.23	132.0
100	1.00%	1,298.26	150.1	1,298.26	150.1

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Building	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	3.0%	0.0%	$8,114	0.0%	0.0%	$0
0.0	9.3%	0.0%	$25,153	0.0%	0.0%	$0
1.0	15.2%	0.0%	$41,110	0.0%	0.0%	$0
2.0	20.9%	0.0%		0.0%	0.0%	
3.0	26.3%	0.0%		0.0%	0.0%	
4.0	31.4%	0.0%		0.0%	0.0%	
5.0	36.2%	0.0%		0.0%	0.0%	
6.0	40.7%	0.0%		0.0%	0.0%	
7.0	44.9%	0.0%		0.0%	0.0%	
8.0	48.8%	0.0%		0.0%	0.0%	
9.0	52.4%	0.0%		0.0%	0.0%	
10.0	55.7%	0.0%		0.0%	0.0%	
11.0	58.7%	0.0%		0.0%	0.0%	
12.0	61.4%	0.0%		0.0%	0.0%	
13.0	63.8%	0.0%		0.0%	0.0%	
14.0	65.9%	0.0%		0.0%	0.0%	
15.0	67.7%	0.0%	$270,463	0.0%	0.0%	$0
16.0	69.2%	0.0%	$270,463	0.0%	0.0%	$0

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Contents	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	1.0%	0.0%	$2,705	0.0%	0.0%	$0
0.0	5.0%	0.0%	$13,523	0.0%	0.0%	$0
1.0	8.7%	0.0%	$23,530	0.0%	0.0%	$0
2.0	12.2%	0.0%	$32,996	0.0%	0.0%	$0
3.0	15.5%	0.0%	$41,922	0.0%	0.0%	$0
4.0	18.5%	0.0%	$50,036	0.0%	0.0%	$0
5.0	21.3%	0.0%	$57,609	0.0%	0.0%	$0
6.0	23.9%	0.0%	$64,641	0.0%	0.0%	$0
7.0	26.3%	0.0%	$71,132	0.0%	0.0%	$0
8.0	28.4%	0.0%	$76,811	0.0%	0.0%	$0
9.0	30.3%	0.0%	$81,950	0.0%	0.0%	$0
10.0	32.0%	0.0%	$86,548	0.0%	0.0%	$0
11.0	33.4%	0.0%	$90,335	0.0%	0.0%	$0
12.0	34.7%	0.0%	$93,851	0.0%	0.0%	$0
13.0	35.6%	0.0%	$96,285	0.0%	0.0%	$0
14.0	36.4%	0.0%	$98,449	0.0%	0.0%	$0
15.0	36.9%	0.0%	$99,801	0.0%	0.0%	$0
16.0	37.2%	0.0%	$100,612	0.0%	0.0%	$0

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Displacement	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Loss of Function	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Environmental Benefits

Land Use

Total Project Area (Acres):

Parcel Type	% of Parcel Type Being Used	$/Acre/Year
	%	

Other Benefits

Other Benefits Before Mitigation

No Data

Other Benefits After Mitigation

No Data

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

BCR Calculation Results

Expected Annual Damages Before Mitigation		Expected Annual Damages After Mitigation		Expected Avoided Damages After Mitigation (Benefits)	
Annual:	$23,666	Annual:	$0	Annual:	$23,666
Present Value:	$337,693	Present Value:	$0	Present Value:	$337,693

Mitigation Benefits:	$337,693	Mitigation Costs:	$270,463
Benefits Minus Costs:	$67,230	Benefit-Cost Ratio:	1.25

Cost Estimate

Project Useful Life (years):	100	Construction Type:	
Mitigation Project Cost:	$270,463	Detailed Scope of Work:	Yes
Annual Project Maintenance Cost:	$0	Detailed Estimate for Entire Project:	Yes
Final Mitigation Project Cost:	$270,463	Years of Maintenance:	100
Cost Basis Year:		Present Worth of Annual Maintenance Costs:	$0
Construction Start Year:		Estimate Reflects Current Prices:	Yes
Construction End Year:		Project Escalation:	

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Justification/Attachments

Field	Description	Attachments

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Structure and Mitigation Details For: 27 Falls Ter, 27 Falls Ter, Fair Oaks Ranch, Texas, 78015, Bexar

Benefits: $1,808,904 Costs: $219,449 BCR: 8.24

Hazard: **Flood**

Mitigation Option: Acquisition

Latitude:		Longitude:			
Size of Building:	2,684	BRV ($/sf):	$81.76	Total BRV:	$219,444
Residential:	Yes	Building Type:	Two or More Stories		
Obstruction:	N/A	Foundation Type:	Slab	Basement:	No
Building Primary Use:		Structure Type:		Historic Building:	No
Structure Elevation:	1,297.00	First Floor Being Raised:		Demolition Threshold:	50.00%
Source of Flood Data:	HH	Project in SFHA:	Yes	Community ID Number:	
Effective FIS Date:		FIRM Panel Number:		FIRM Effective Date:	
Project Useful Life:	100	H&H Study Title:	Fair Oaks Study	H&H Effective Date:	02/09/2018
Flood Zone:		Loss of Rent:	$0		
Building Contents:	$219,444 (Default)			Value of Crawlspace Contents:	$0
Ground Surface Elevation:				Flood Zone Determination:	
Breaking Wave Height:				Utilities that are not elevated:	No
Height FFE Above Grade:	1,297.00			One Time Displacement Costs:	$0
NFIP:	No			Displacement Costs:	$0 (Default)
ICC:	No			Current federal lodging per diem:	$91
				Population affected :	0
				Current federal meals per diem:	$51
				Cost per person to eat meals at home:	$7

Street Maintenance Details

Street maintenance budget ($)

Miles of street (miles)

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Length of road (miles)

Total Reduced Street Maintenance Costs $0.00

Volunteer Costs

Number of Volunteers Required: Number of Hours Volunteered/Person:

Cost of Volunteers Time ($/Hour/Person): Number of Days Lodging/Volunteer:

Per-Person Cost of Lodging for a Volunteer: Cost of Volunteers:

Social Benefits

Mental Stress and Anxiety

Number of Person:

Treatment Costs per person: $2,443.00

Total Mental Stress and Anxiety Cost: $0.00

Lost Productivity

Number of Worker:

Productivity Loss per person: $8,736.00

Total Lost Productivity Cost: $0.00

Riverine Elevation and Discharge Data

Streambed Elevation (ft): 1,297.2 Flood Profile Number:

Flood Source Name:

Elevation At Which Barrier Will Be Overtopped:

FEMA Elevation Certificate Diagram Description: Other Elevation Source:

Recurrence Interval (yr)	Percent Annual Chance (%)	Elevation Before Mitigation (ft)	Discharge Before Mitigation (cfs)	Elevation After Mitigation (ft)	Discharge After Mitigation (cfs)
10	10.00%	1,298.08	78.8	1,298.08	78.8
25	4.00%	1,298.15	101.1	1,298.15	101.1
50	2.00%	1,298.23	132.0	1,298.23	132.0
100	1.00%	1,298.26	150.1	1,298.26	150.1

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Building	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	Before Mitigation (pct)	Before Mitigation User Entered (pct)	Before Mitigation ($)	After Mitigation (pct)	After Mitigation User Entered (pct)	After Mitigation ($)
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	3.0%	0.0%	$6,583	0.0%	0.0%	$0
0.0	9.3%	0.0%	$20,408	0.0%	0.0%	$0
1.0	15.2%	0.0%	$33,355	0.0%	0.0%	$0
2.0	20.9%	0.0%		0.0%	0.0%	
3.0	26.3%	0.0%		0.0%	0.0%	
4.0	31.4%	0.0%		0.0%	0.0%	
5.0	36.2%	0.0%		0.0%	0.0%	
6.0	40.7%	0.0%		0.0%	0.0%	
7.0	44.9%	0.0%		0.0%	0.0%	
8.0	48.8%	0.0%		0.0%	0.0%	
9.0	52.4%	0.0%		0.0%	0.0%	
10.0	55.7%	0.0%		0.0%	0.0%	
11.0	58.7%	0.0%		0.0%	0.0%	
12.0	61.4%	0.0%		0.0%	0.0%	
13.0	63.8%	0.0%		0.0%	0.0%	
14.0	65.9%	0.0%		0.0%	0.0%	
15.0	67.7%	0.0%	$219,444	0.0%	0.0%	$0
16.0	69.2%	0.0%	$219,444	0.0%	0.0%	$0

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Contents	**Before Mitigation Values:**			**After Mitigation Values:**		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	1.0%	0.0%	$2,194	0.0%	0.0%	$0
0.0	5.0%	0.0%	$10,972	0.0%	0.0%	$0
1.0	8.7%	0.0%	$19,092	0.0%	0.0%	$0
2.0	12.2%	0.0%	$26,772	0.0%	0.0%	$0
3.0	15.5%	0.0%	$34,014	0.0%	0.0%	$0
4.0	18.5%	0.0%	$40,597	0.0%	0.0%	$0
5.0	21.3%	0.0%	$46,742	0.0%	0.0%	$0
6.0	23.9%	0.0%	$52,447	0.0%	0.0%	$0
7.0	26.3%	0.0%	$57,714	0.0%	0.0%	$0
8.0	28.4%	0.0%	$62,322	0.0%	0.0%	$0
9.0	30.3%	0.0%	$66,491	0.0%	0.0%	$0
10.0	32.0%	0.0%	$70,222	0.0%	0.0%	$0
11.0	33.4%	0.0%	$73,294	0.0%	0.0%	$0
12.0	34.7%	0.0%	$76,147	0.0%	0.0%	$0
13.0	35.6%	0.0%	$78,122	0.0%	0.0%	$0
14.0	36.4%	0.0%	$79,878	0.0%	0.0%	$0
15.0	36.9%	0.0%	$80,975	0.0%	0.0%	$0
16.0	37.2%	0.0%	$81,633	0.0%	0.0%	$0

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Displacement	**Before Mitigation Values:**			**After Mitigation Values:**		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Loss of Function	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Environmental Benefits

Land Use

Total Project Area (Acres):

Parcel Type	% of Parcel Type Being Used	$/Acre/Year
	%	

Other Benefits

Other Benefits Before Mitigation

No Data

Other Benefits After Mitigation

No Data

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

BCR Calculation Results

Expected Annual Damages Before Mitigation		Expected Annual Damages After Mitigation		Expected Avoided Damages After Mitigation (Benefits)	
Annual:	$126,769	Annual:	$0	Annual:	$126,769
Present Value:	$1,808,904	Present Value:	$0	Present Value:	$1,808,904

Mitigation Benefits:	$1,808,904	Mitigation Costs:	$219,449
Benefits Minus Costs:	$1,589,455	Benefit-Cost Ratio:	8.24

Cost Estimate

Project Useful Life (years):	100	Construction Type:	
Mitigation Project Cost:	$219,449	Detailed Scope of Work:	Yes
Annual Project Maintenance Cost:	$0	Detailed Estimate for Entire Project:	Yes
Final Mitigation Project Cost:	$219,449	Years of Maintenance:	100
Cost Basis Year:		Present Worth of Annual Maintenance Costs:	$0
Construction Start Year:		Estimate Reflects Current Prices:	Yes
Construction End Year:		Project Escalation:	

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Justification/Attachments

Field	Description	Attachments

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Structure and Mitigation Details For: 51 Falls Ter, 51 Falls Ter, Fair Oaks Ranch, Texas, 78015, Bexar

Benefits: $562,556 Costs: $247,306 BCR: 2.27

Hazard: **Flood**

Mitigation Option: Acquisition

Latitude:		Longitude:			
Size of Building:	3,179	BRV ($/sf):	$77.79	Total BRV:	$247,294
Residential:	Yes	Building Type:	Two or More Stories		
Obstruction:	N/A	Foundation Type:	Slab	Basement:	No
Building Primary Use:		Structure Type:		Historic Building:	No
Structure Elevation:	1,279.00	First Floor Being Raised:		Demolition Threshold:	50.00%
Source of Flood Data:	HH	Project in SFHA:	Yes	Community ID Number:	
Effective FIS Date:		FIRM Panel Number:		FIRM Effective Date:	
Project Useful Life:	100	H&H Study Title:	Fair Oaks Study	H&H Effective Date:	02/09/2018
Flood Zone:		Loss of Rent:	$0		
Building Contents:	$247,294 (Default)			Value of Crawlspace Contents:	$0
Ground Surface Elevation:				Flood Zone Determination:	
Breaking Wave Height:				Utilities that are not elevated:	No
Height FFE Above Grade:	1,279.00			One Time Displacement Costs:	$0
NFIP:	No			Displacement Costs:	$0 (Default)
ICC:	No			Current federal lodging per diem:	$91
				Population affected :	0
				Current federal meals per diem:	$51
				Cost per person to eat meals at home:	$7

Street Maintenance Details

Street maintenance budget ($)

Miles of street (miles)

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Length of road (miles)	
Total Reduced Street Maintenance Costs	$0.00

Volunteer Costs

Number of Volunteers Required:		Number of Hours Volunteered/Person:	
Cost of Volunteers Time ($/Hour/Person):		Number of Days Lodging/Volunteer:	
Per-Person Cost of Lodging for a Volunteer:		Cost of Volunteers:	

Social Benefits

Mental Stress and Anxiety

Number of Person:	
Treatment Costs per person:	$2,443.00
Total Mental Stress and Anxiety Cost:	$0.00

Lost Productivity

Number of Worker:	
Productivity Loss per person:	$8,736.00
Total Lost Productivity Cost:	$0.00

Riverine Elevation and Discharge Data

Streambed Elevation (ft):	1,278.0	Flood Profile Number:	
Flood Source Name:			
Elevation At Which Barrier Will Be Overtopped:			
FEMA Elevation Certificate Diagram Description:		Other Elevation Source:	

Recurrence Interval (yr)	Percent Annual Chance (%)	Elevation Before Mitigation (ft)	Discharge Before Mitigation (cfs)	Elevation After Mitigation (ft)	Discharge After Mitigation (cfs)
10	10.00%	1,279.65	464.4	1,279.65	464.4
25	4.00%	1,279.83	632.9	1,279.83	632.9
50	2.00%	1,280.00	812.3	1,280.00	812.3
100	1.00%	1,280.08	894.5	1,280.08	894.5

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Building	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	Before Mitigation (pct)	Before Mitigation User Entered (pct)	Before Mitigation ($)	After Mitigation (pct)	After Mitigation User Entered (pct)	After Mitigation ($)
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	3.0%	0.0%	$7,419	0.0%	0.0%	$0
0.0	9.3%	0.0%	$22,998	0.0%	0.0%	$0
1.0	15.2%	0.0%	$37,589	0.0%	0.0%	$0
2.0	20.9%	0.0%		0.0%	0.0%	
3.0	26.3%	0.0%		0.0%	0.0%	
4.0	31.4%	0.0%		0.0%	0.0%	
5.0	36.2%	0.0%		0.0%	0.0%	
6.0	40.7%	0.0%		0.0%	0.0%	
7.0	44.9%	0.0%		0.0%	0.0%	
8.0	48.8%	0.0%		0.0%	0.0%	
9.0	52.4%	0.0%		0.0%	0.0%	
10.0	55.7%	0.0%		0.0%	0.0%	
11.0	58.7%	0.0%		0.0%	0.0%	
12.0	61.4%	0.0%		0.0%	0.0%	
13.0	63.8%	0.0%		0.0%	0.0%	
14.0	65.9%	0.0%		0.0%	0.0%	
15.0	67.7%	0.0%	$247,294	0.0%	0.0%	$0
16.0	69.2%	0.0%	$247,294	0.0%	0.0%	$0

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Contents	**Before Mitigation Values:**			**After Mitigation Values:**		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	1.0%	0.0%	$2,473	0.0%	0.0%	$0
0.0	5.0%	0.0%	$12,365	0.0%	0.0%	$0
1.0	8.7%	0.0%	$21,515	0.0%	0.0%	$0
2.0	12.2%	0.0%	$30,170	0.0%	0.0%	$0
3.0	15.5%	0.0%	$38,331	0.0%	0.0%	$0
4.0	18.5%	0.0%	$45,749	0.0%	0.0%	$0
5.0	21.3%	0.0%	$52,674	0.0%	0.0%	$0
6.0	23.9%	0.0%	$59,103	0.0%	0.0%	$0
7.0	26.3%	0.0%	$65,038	0.0%	0.0%	$0
8.0	28.4%	0.0%	$70,232	0.0%	0.0%	$0
9.0	30.3%	0.0%	$74,930	0.0%	0.0%	$0
10.0	32.0%	0.0%	$79,134	0.0%	0.0%	$0
11.0	33.4%	0.0%	$82,596	0.0%	0.0%	$0
12.0	34.7%	0.0%	$85,811	0.0%	0.0%	$0
13.0	35.6%	0.0%	$88,037	0.0%	0.0%	$0
14.0	36.4%	0.0%	$90,015	0.0%	0.0%	$0
15.0	36.9%	0.0%	$91,252	0.0%	0.0%	$0
16.0	37.2%	0.0%	$91,994	0.0%	0.0%	$0

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Displacement	**Before Mitigation Values:**			**After Mitigation Values:**		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Loss of Function	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	Before Mitigation (Days)	Before Mitigation User Entered (Days)	Before Mitigation ($)	After Mitigation (Days)	After Mitigation User Entered (Days)	After Mitigation ($)
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Environmental Benefits

Land Use

Total Project Area (Acres):

Parcel Type	% of Parcel Type Being Used	$/Acre/Year
	%	

Other Benefits

Other Benefits Before Mitigation

No Data

Other Benefits After Mitigation

No Data

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

BCR Calculation Results

Expected Annual Damages Before Mitigation		Expected Annual Damages After Mitigation		Expected Avoided Damages After Mitigation (Benefits)	
Annual:	$39,424	Annual:	$0	Annual:	$39,424
Present Value:	$562,556	Present Value:	$0	Present Value:	$562,556

Mitigation Benefits:	$562,556	Mitigation Costs:	$247,306
Benefits Minus Costs:	$315,250	Benefit-Cost Ratio:	2.27

Cost Estimate

Project Useful Life (years):	100	Construction Type:	
Mitigation Project Cost:	$247,306	Detailed Scope of Work:	Yes
Annual Project Maintenance Cost:	$0	Detailed Estimate for Entire Project:	Yes
Final Mitigation Project Cost:	$247,306	Years of Maintenance:	100
Cost Basis Year:		Present Worth of Annual Maintenance Costs:	$0
Construction Start Year:		Estimate Reflects Current Prices:	Yes
Construction End Year:		Project Escalation:	

Total Benefits: **$2,709,153** Total Costs: **$737,218** BCR: **3.67**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Justification/Attachments

Field	Description	Attachments

"A" Site 34

Site 34

Project Scope of Work

A large amount of runoff from Windermere crosses Fair Oaks Parkway and is intercepted by homes. This issue contains 100% design plans from the Road Bond. The Project Site visit found that the open channel conveying flow on the west side of Fair Oaks Parkway, which conveys flow beneath the fence. This channel does not appear to capture all stormwater, allowing uncontrolled flow to the north which then flows through private lots. To correct this issue, the existing stormwater infrastructure will be utilized by regrading the roadway to slope towards existing inlets and open channels on the north and south side of Windermere Dr on the east side of Fair Oaks Parkway. A new curb will be installed along the west side of Fair Oaks Parkway (across the street from Windermere Dr.) to convey water towards stormwater inlets to improve collection. This approach would likely increase flows conveyed downstream and these increases would need to be accounted for as part of any project. Alternately, expanding the open channel on the west side of Fair Oaks Parkway in the existing flow path and regrading the right of way to drain to the channel which conveys flow beneath the fence to Tivoli Way is also an option. Note: A project to mitigate flooding at this location was already developed, and this may provide a more detailed path forward.

Project Cost Breakdown

The project cost will be $2,000 to $20,000, with an estimate average cost of $11,000.

Project Timeline

The current project timeline is to have the projected completed within three years of the start date.

FEMA Engineering Checklist

Attached in file

BCA Cover Sheet

Attached in file

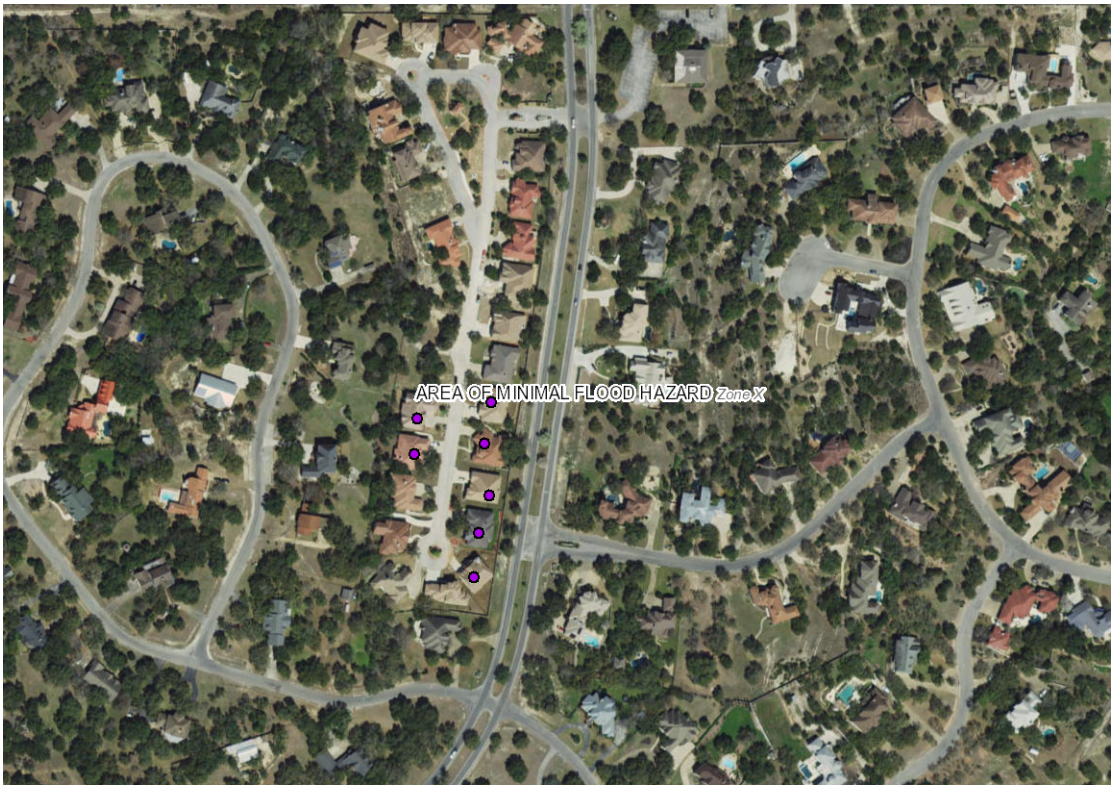
BCA Data and Supporting Documentation

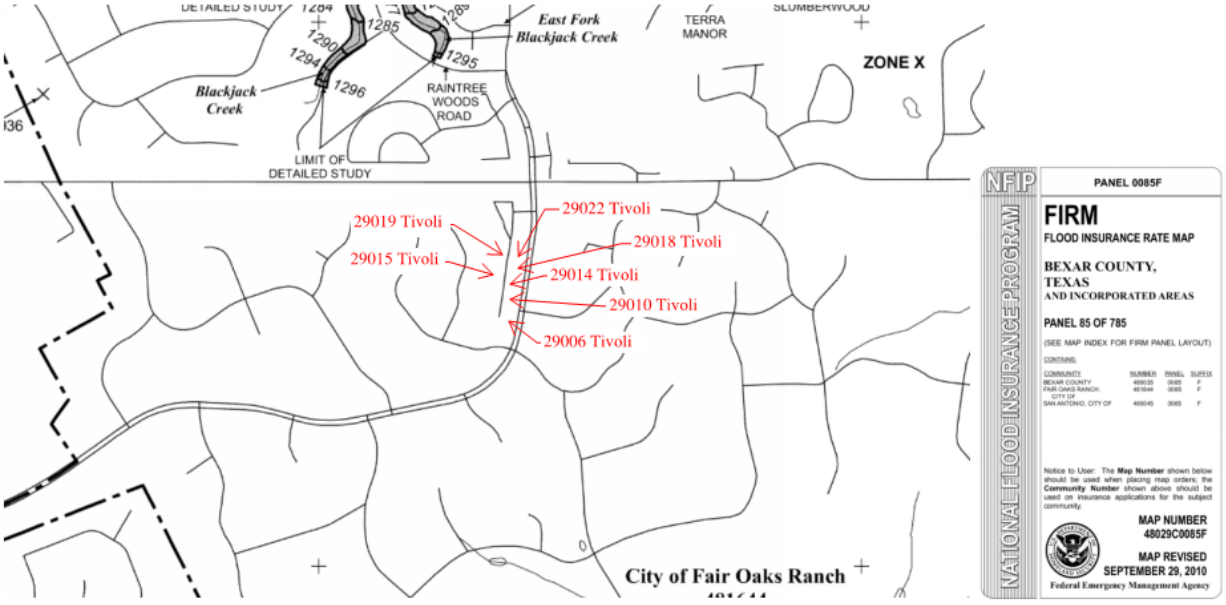
Junctions from PCSWM Model

		HGL (ft)																			
Name	Distance from Junction	5 yr	10 yr	25 yr	50 yr	100 yr		INVERTELEV		$ 20,000											
MASJ1090		1372.94	1372.97	1373.03	1373.1	1373.14															
MASJ2187		1363.8	1363.89	1364.03	1364.21	1364.3		1362.55													
MASJ2191		1384.25	1384.48	1385.63	1386.76	1386.78															
MASJ2703		1372	1372.03	1372.09	1372.17	1372.21	567.1	1371.47													
								FFE (ft)	New FFE	Elevated (Ft)	Area (sq ft)	BRV	Cost	INEVERTELEV	Conduit	10-YR Flow	25-yr Flow	50-yr Flow	100-yr Flow		
29006 Tivoli	0	1372	1372.03	1372.09	1372.17	1372.21		1372	1373	1	3475	77.63	$269,764.25	1371.47	C886MAS	125.24	160.19	210.48	238.29		
29015 Tivoli	334.1	1367.169	1367.234	1367.342	1367.48	1367.55		1364.5	1368	3.5	2905	79.93	$232,199.56	1366.214892	C886MAS	125.24	160.19	210.48	238.29		
29019 Tivoli	416.7	1365.975	1366.049	1366.168	1366.321	1366.398		1363	1367	4	3077	78.59	$241,819.58	1364.915664	C886MAS	125.24	160.19	210.48	238.29		
29022 Tivoli	470.3	1365.2	1365.279	1365.406	1365.569	1365.65		1365.2	1366	0.8	2880	80.13	$230,762.88	1364.072582	C886MAS	125.24	160.19	210.48	238.29		
29018 Tivoli	373.8	1366.595	1366.665	1366.777	1366.923	1366.996		1366.4	1367	0.6	3281	77.63	$254,704.03	1365.590444	C886MAS	125.24	160.19	210.48	238.29		
29014 Tivoli	278.7	1367.97	1368.03	1368.129	1368.258	1368.323		1366.5	1369	2.5	2830	80.52	$227,860.28	1367.086286	C886MAS	125.24	160.19	210.48	238.29		
29010 Tivoli	0	1372	1372.03	1372.09	1372.17	1372.21		1369.4	1373	3.6	2984	79.31	$236,675.36	1371.47	C886MAS	125.24	160.19	210.48	238.29		

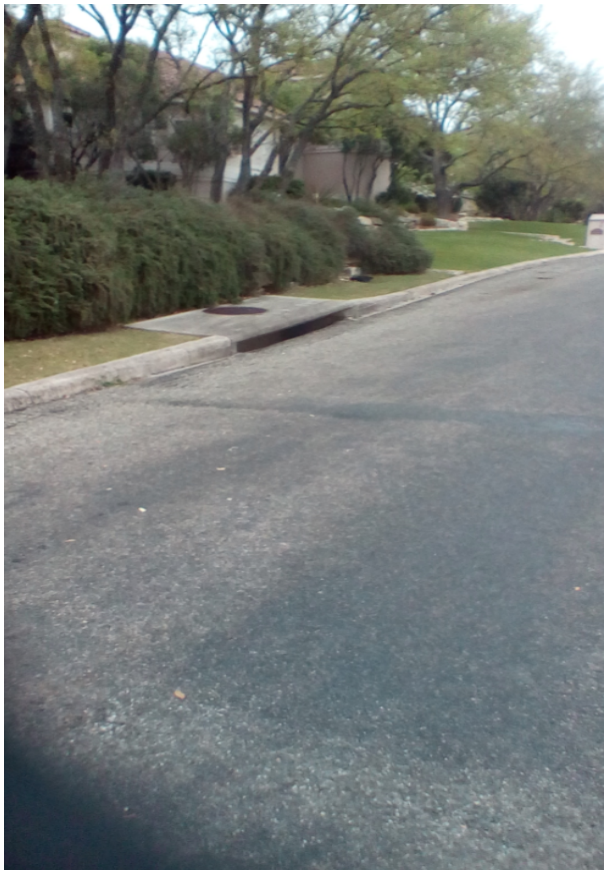
Attached in file

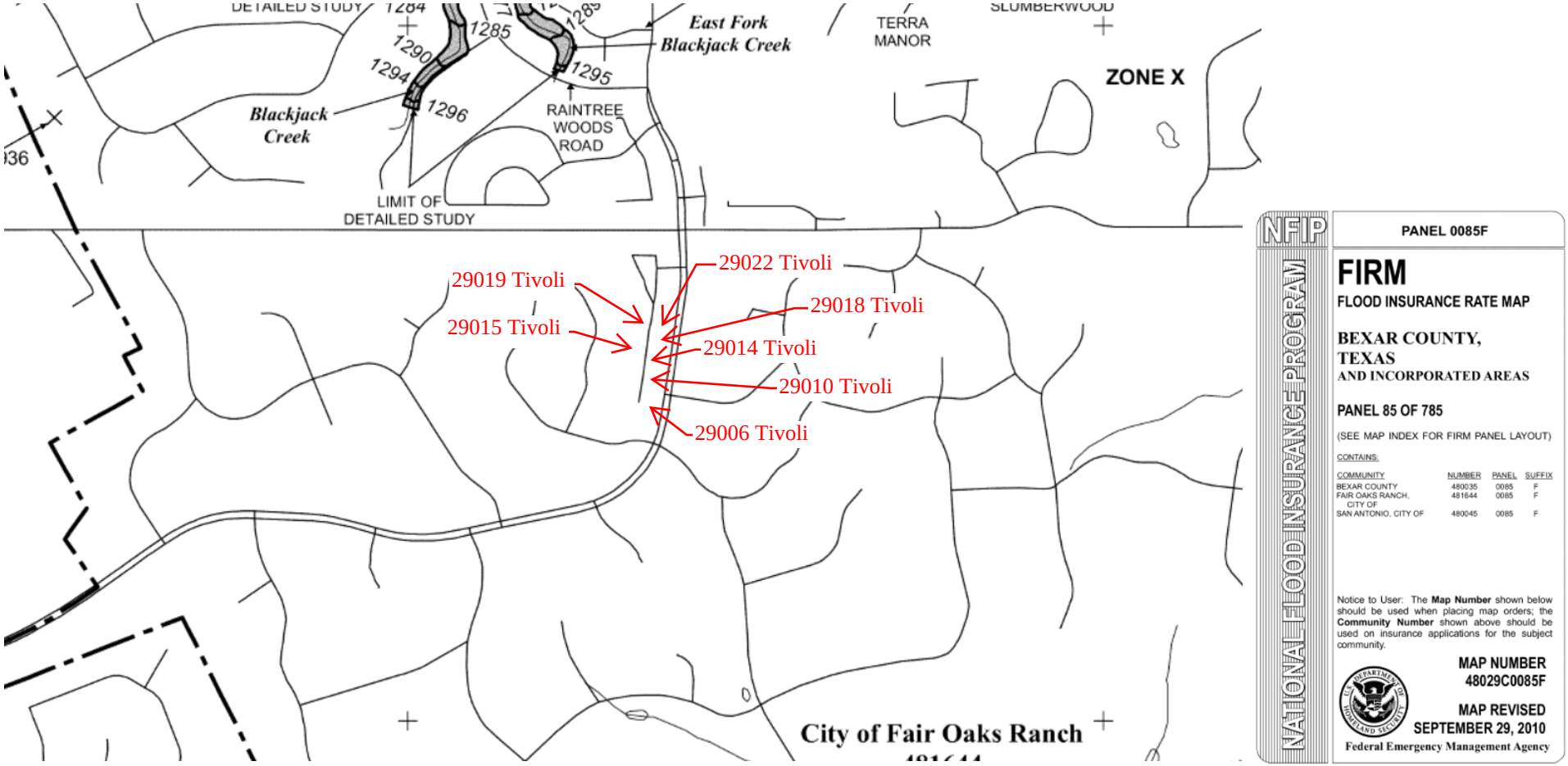
FIRM with Project Plotted





Site Photos




DETAILED STUDY
1284
1285
1290
1294
1296
1295
East Fork
Blackjack Creek
Blackjack
Creek
RAINTREE
WOODS
ROAD
TERRA
MANOR
SLUMBERWOOD
ZONE X
LIMIT OF
DETAILED STUDY
29019 Tivoli
29015 Tivoli
29022 Tivoli
29018 Tivoli
29014 Tivoli
29010 Tivoli
29006 Tivoli
City of Fair Oaks Ranch
NFIP
NATIONAL FLOOD INSURANCE PROGRAM
PANEL 0085F
FIRM
FLOOD INSURANCE RATE MAP
BEXAR COUNTY,
TEXAS
AND INCORPORATED AREAS
PANEL 85 OF 785
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)
CONTAINS:
COMMUNITY NUMBER PANEL SUFFIX
BEXAR COUNTY 480035 0085 F
FAIR OAKS RANCH, CITY OF 481644 0085 F
SAN ANTONIO, CITY OF 480045 0085 F
Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.
MAP NUMBER
48029C0085F
MAP REVISED
SEPTEMBER 29, 2010
Federal Emergency Management Agency

FEMA REGION VI MITIGATION GRANT PROGRAM
ENGINEERING CHECKLIST

Project Title: Fair Oaks Ranch Site 34
Applicant:
Project Number:
Project Location: Fair Oaks Ranch, TX
Grant Number:

Yes	No	Attached	Overall Project Information
		☑	How was this project identified?
☐	☑		Will this project change effective BFE's, floodplain or floodway boundaries?
☑	☐	☐	Has a flood study been prepared?

What level of planning has been completed?

☐	☑	☐	Conceptual – General layout, flow capacity, due diligence study, and quantity estimate
☐	☑	☐	Preliminary – 35% plans with survey, plan and profile sheets, grade lines and potential conflicts identified
☐	☑	☐	Final Plans – 100% complete plans and bid documents
☐	☑	☐	Has a Conditional Letter Of Map Revision (CLOMR) been prepared? ☐ Prepared ☐ Submitted ☐ Approved

Structural Elements

1) Check "Yes" for those elements that are proposed in this project,
2) list the number of each type of proposed structural element,
3) provide one copy of the corresponding "Structure Check List" for each proposed structure.

Yes	No	Number	Structure Type	Page
☐	☑		Detention / Retention	2
☐	☑		Diversion	2
☐	☑		Berm / Floodwall	3
☐	☑		Flap Gate / Flood Gate	3
☑	☐		Channelization	4
☐	☑		Bridge / Culvert	4

FEMA REGION VI MITIGATION GRANT PROGRAM
ENGINEERING CHECKLIST

Project Title:
Applicant: Project Location:
Project Number: Grant Number:

Detention / Retention Check List

Fill out this section for each element for this project

Name/Description of Element: Number of

Drainage Area: sq. mi. Type of Structure: ☐ Detention ☐ Retention

Does any portion meet the state definition of a Dam? ☐ Yes ☐ No

Design Storm: Classification

	Design Storm	100-Year
Peak Inflow (cfs)		
Peak Outflow (cfs)		
Storage Volume (ac-ft)		

Sizing Method: ☐ Computer Model (HEC-1, HEC-HMS, TR-20, etc):
☐ Modified Rational Method ☐ Other:

Immediate downstream maximum non-damaging discharge: cfs

Diversion Check List

Fill out this section for each element for this project

Name/Description of Element: Number of
Drainage Area: sq. mi. Type of Structure: ☐ Off Channel Storage ☐ Other:

Design Storm:

Peak Inflow: cfs Diverted Flow: cfs Remaining Flow: cfs

Diversion is proposed by: ☐ Gravity ☐ Pumping

Proposed pump Number: Size: gpm

Description of sizing method: ☐ is ☐ is not attached

Immediate downstream maximum non-damaging discharge: cfs

FEMA REGION VI MITIGATION GRANT PROGRAM
ENGINEERING CHECKLIST

Project Title:
Applicant: Project Location:
Project Number: Grant Number:

Berm / Floodwall Check List

Fill out this section for each element for this project

Name/Description of Element: Number of

Type of Structure: ☐ Berm ☐ Floodwall ☐ Other:

Design Storm: Proposed Material: ☐ Earthen ☐ Concrete ☐ Other:

	Drainage Area (sq. mi)	Design Discharge (cfs)	100-year Discharge (cfs)
Water side			
Land side			

Minimum Freeboard: Average: ft Upstream End: ft Downstream End: ft

Internal Drainage Plan ☐ Yes ☐ No ☐ Attached

Geotechnical Report ☐ Yes ☐ No ☐ Attached

Hydraulic Study ☐ Yes ☐ No ☐ Attached

Proposed Pumps ☐ Yes ☐ No ☐ Description Attached

Immediate downstream maximum non-damaging discharge: cfs

Flap Gates / Flood Gates Check List

Fill out this section for each element for this project

Name/Description of Element: Number of

Design Storm: Hydraulic Study ☐ Yes ☐ No ☐ Attached

	Drainage Area (sq. mi)	Design Discharge (cfs)	100-year Discharge (cfs)
Water side			
Land side			

Upstream Pool Elevation: ft. msl. Lowest Finished Floor of Adjacent Structures: ft. msl.

Pool elevation determined by: ☐ Computer Model (HEC-1, HEC-HMS, TR-20, etc):
☐ Modified Rational Method ☐ Other:

FEMA REGION VI MITIGATION GRANT PROGRAM
ENGINEERING CHECKLIST

Project Title:
Applicant: Project Location:
Project Number: Grant Number:

Bridge / Culvert Check List

Fill out this section for each element for this project

Name/Description of Element: Number of

Method used to size the proposed structure (e.g., HEC-2, HEC-RAS, WSPRO, HY8):

Dimensions:
Culvert Set #1 barrels foot span by foot rise Material:
Culvert Set #2 barrels foot span by foot rise Material:
Culvert Set #3 barrels foot span by foot rise Material:

Upstream Flowline: Downstream Flowline: High Chord: Low Chord:

Total cross sectional area below low chord: sq. ft. Drainage Area: sq. mi.

Design Storm: Structure Capacity: cfs at Headwater Elevation: ft. msl.

	Design Storm	100-Year
Peak Discharge (cfs)		
Tail Water (ft msl)		
Headwater (ft msl)		

Immediate downstream maximum non-damaging discharge: cfs

Channelization Check List

Fill out this section for each element for this project

Name/Description of Element: Number of

Proposed material: ☐ Earthen/grass lined ☐ Concrete ☐ Gabion Lined ☐ Other:

Drainage Area: sq. mi. Design Storm:

Design Peak Discharge: cfs 100-Year Peak Discharge: cfs

Channel Capacity: cfs ☐ with feet of freeboard ☐ without freeboard

Sizing Method: ☐ Computer Model (HEC-2, HEC-RAS, etc):
☐ Hand Calculation (Manning's Equation or other):

Immediate downstream maximum non-damaging discharge: cfs

Texas State Benefit-Cost Study Coversheet

(Attach this coversheet to the face of any benefit-cost study submitted for HMGP)

The benefit-cost ratio for this project is 6.92 **to 1.** Date:

The BCA software version is: 5.3

1. The Benefit-Cost study method I have chosen to use is: (check one)

- [x] Flood
- [ ] Hurricane
- [ ] Tornado
- [ ] Wildfire
- [ ] Earthquake
- [ ] Damage Frequency Analysis (DFA)

2. The loss frequency (if applicable) is _____ years[1]. _____

3. I have checked and to the best of my ability to determine, the attached benefit-cost study is mathematically correct. Additionally, all figures used are supported by a benefit cost analysis narrative and attached documentation.

_____

Name of Person Preparing | Signature | Date

_____

Primary Contact Number | Secondary Contact Number

_____

Email address

For State Use Only, review statement.

[1] This is a number, not a range of numbers. Example: 5 years or 6.7 years, not 'frequently' or 'every 5 to 7 years'

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Project Summary:

Project Number: Disaster #:

Program: Agency: CDM Smith

Analyst: Discount Rate: 0.070

Point of Contact: Phone Number:

Address: Fair Oaks Ranch, Texas

Email:

Comments:

Structure Summary For:

29006 Tivoli, 29006 Tivoli, Fair Oaks Ranch, Texas, 78015, Bexar

Structure Type: Building Historic Building: No Contact:

Benefits: $474,656 Costs: $269,764 BCR: 1.76

Mitigation	Hazard	BCR	Benefits	Costs
Acquisition	Flood	1.76	$474,656	$269,764

29010 Tivoli, 29010 Tivoli, Fair Oaks Ranch, Texas, 78015, Bexar

Structure Type: Building Historic Building: No Contact:

Benefits: $2,746,935 Costs: $236,675 BCR: 11.61

Mitigation	Hazard	BCR	Benefits	Costs
Acquisition	Flood	11.61	$2,746,935	$236,675

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

29014 Tivoli, 29014 Tivoli, Fair Oaks Ranch, Texas, 78015, Bexar

Structure Type: Building Historic Building: No Contact:

Benefits: $2,062,010 Costs: $227,860 BCR: 9.05

Mitigation	Hazard	BCR	Benefits	Costs
Acquisition	Flood	9.05	$2,062,010	$227,860

29015 Tivoli, 29015 Tivoli, Fair Oaks Ranch, Texas, 78015, Bexar

Structure Type: Building Historic Building: No Contact:

Benefits: $2,668,594 Costs: $232,199 BCR: 11.49

Mitigation	Hazard	BCR	Benefits	Costs
Acquisition	Flood	11.49	$2,668,594	$232,199

29018 Tivoli, 29018 Tivoli, Fair Oaks Ranch, Texas, 78015, Bexar

Structure Type: Building Historic Building: No Contact:

Benefits: $486,842 Costs: $254,704 BCR: 1.91

Mitigation	Hazard	BCR	Benefits	Costs
Acquisition	Flood	1.91	$486,842	$254,704

29019 Tivoli, 29019 Tivoli, Fair Oaks Ranch, Texas, 78015, Bexar

Structure Type: Building Historic Building: No Contact:

Benefits: $2,912,467 Costs: $241,820 BCR: 12.04

Mitigation	Hazard	BCR	Benefits	Costs
Acquisition	Flood	12.04	$2,912,467	$241,820

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

29022 Tivoli, 29022 Tivoli, Fair Oaks Ranch, Texas, 78015, Bexar

Structure Type: Building Historic Building: No Contact:

Benefits: $374,982 Costs: $230,763 BCR: 1.62

Mitigation	Hazard	BCR	Benefits	Costs
Acquisition	Flood	1.62	$374,982	$230,763

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Structure and Mitigation Details For: 29006 Tivoli, 29006 Tivoli, Fair Oaks Ranch, Texas, 78015, Bexar

Benefits: $474,656 Costs: $269,764 BCR: 1.76

Hazard: **Flood**

Mitigation Option: Acquisition

Latitude:		Longitude:			
Size of Building:	3,475	BRV ($/sf):	$77.63	Total BRV:	$269,764
Residential:	Yes	Building Type:	Two or More Stories		
Obstruction:	N/A	Foundation Type:	Slab	Basement:	No
Building Primary Use:		Structure Type:		Historic Building:	No
Structure Elevation:	1,372.00	First Floor Being Raised:		Demolition Threshold:	50.00%
Source of Flood Data:	HH	Project in SFHA:	No	Community ID Number:	
Effective FIS Date:		FIRM Panel Number:		FIRM Effective Date:	
Project Useful Life:	100	H&H Study Title:	Fair Oaks Study	H&H Effective Date:	02/09/2018
Flood Zone:		Loss of Rent:	$0		
Building Contents:	$269,764 (Default)			Value of Crawlspace Contents:	$0
Ground Surface Elevation:				Flood Zone Determination:	
Breaking Wave Height:				Utilities that are not elevated:	No
Height FFE Above Grade:	1,372.00			One Time Displacement Costs:	$0
NFIP:	No			Displacement Costs:	$0 (Default)
ICC:	No			Current federal lodging per diem:	$91
				Population affected :	0
				Current federal meals per diem:	$51
				Cost per person to eat meals at home:	$7

Street Maintenance Details

Street maintenance budget ($)

Miles of street (miles)

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Length of road (miles)	
Total Reduced Street Maintenance Costs	$0.00

Volunteer Costs

Number of Volunteers Required:		Number of Hours Volunteered/Person:	
Cost of Volunteers Time ($/Hour/Person):		Number of Days Lodging/Volunteer:	
Per-Person Cost of Lodging for a Volunteer:		Cost of Volunteers:	

Social Benefits

Mental Stress and Anxiety

Number of Person:	
Treatment Costs per person:	$2,443.00
Total Mental Stress and Anxiety Cost:	$0.00

Lost Productivity

Number of Worker:	
Productivity Loss per person:	$8,736.00
Total Lost Productivity Cost:	$0.00

Riverine Elevation and Discharge Data

Streambed Elevation (ft):	1,371.5	Flood Profile Number:	
Flood Source Name:			
Elevation At Which Barrier Will Be Overtopped:			
FEMA Elevation Certificate Diagram Description:		Other Elevation Source:	

Recurrence Interval (yr)	Percent Annual Chance (%)	Elevation Before Mitigation (ft)	Discharge Before Mitigation (cfs)	Elevation After Mitigation (ft)	Discharge After Mitigation (cfs)
10	10.00%	1,372.03	125.2	1,372.03	125.2
25	4.00%	1,372.09	160.2	1,372.09	160.2
50	2.00%	1,372.17	210.5	1,372.17	210.5
100	1.00%	1,372.21	238.3	1,372.21	238.3

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Building	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	3.0%	0.0%	$8,093	0.0%	0.0%	$0
0.0	9.3%	0.0%	$25,088	0.0%	0.0%	$0
1.0	15.2%	0.0%	$41,004	0.0%	0.0%	$0
2.0	20.9%	0.0%		0.0%	0.0%	
3.0	26.3%	0.0%		0.0%	0.0%	
4.0	31.4%	0.0%		0.0%	0.0%	
5.0	36.2%	0.0%		0.0%	0.0%	
6.0	40.7%	0.0%		0.0%	0.0%	
7.0	44.9%	0.0%		0.0%	0.0%	
8.0	48.8%	0.0%		0.0%	0.0%	
9.0	52.4%	0.0%		0.0%	0.0%	
10.0	55.7%	0.0%		0.0%	0.0%	
11.0	58.7%	0.0%		0.0%	0.0%	
12.0	61.4%	0.0%		0.0%	0.0%	
13.0	63.8%	0.0%		0.0%	0.0%	
14.0	65.9%	0.0%		0.0%	0.0%	
15.0	67.7%	0.0%	$269,764	0.0%	0.0%	$0
16.0	69.2%	0.0%	$269,764	0.0%	0.0%	$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Contents	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	1.0%	0.0%	$2,698	0.0%	0.0%	$0
0.0	5.0%	0.0%	$13,488	0.0%	0.0%	$0
1.0	8.7%	0.0%	$23,469	0.0%	0.0%	$0
2.0	12.2%	0.0%	$32,911	0.0%	0.0%	$0
3.0	15.5%	0.0%	$41,813	0.0%	0.0%	$0
4.0	18.5%	0.0%	$49,906	0.0%	0.0%	$0
5.0	21.3%	0.0%	$57,460	0.0%	0.0%	$0
6.0	23.9%	0.0%	$64,474	0.0%	0.0%	$0
7.0	26.3%	0.0%	$70,948	0.0%	0.0%	$0
8.0	28.4%	0.0%	$76,613	0.0%	0.0%	$0
9.0	30.3%	0.0%	$81,739	0.0%	0.0%	$0
10.0	32.0%	0.0%	$86,325	0.0%	0.0%	$0
11.0	33.4%	0.0%	$90,101	0.0%	0.0%	$0
12.0	34.7%	0.0%	$93,608	0.0%	0.0%	$0
13.0	35.6%	0.0%	$96,036	0.0%	0.0%	$0
14.0	36.4%	0.0%	$98,194	0.0%	0.0%	$0
15.0	36.9%	0.0%	$99,543	0.0%	0.0%	$0
16.0	37.2%	0.0%	$100,352	0.0%	0.0%	$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Displacement	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Loss of Function	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Environmental Benefits

Land Use

Total Project Area (Acres):

Parcel Type	% of Parcel Type Being Used	$/Acre/Year
	%	

Other Benefits

Other Benefits Before Mitigation

No Data

Other Benefits After Mitigation

No Data

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

BCR Calculation Results

Expected Annual Damages Before Mitigation		Expected Annual Damages After Mitigation		Expected Avoided Damages After Mitigation (Benefits)	
Annual:	$33,264	Annual:	$0	Annual:	$33,264
Present Value:	$474,656	Present Value:	$0	Present Value:	$474,656

Mitigation Benefits:	$474,656	Mitigation Costs:	$269,764
Benefits Minus Costs:	$204,892	Benefit-Cost Ratio:	1.76

Cost Estimate

Project Useful Life (years):	100	Construction Type:	
Mitigation Project Cost:	$269,764	Detailed Scope of Work:	Yes
Annual Project Maintenance Cost:	$0	Detailed Estimate for Entire Project:	Yes
Final Mitigation Project Cost:	$269,764	Years of Maintenance:	100
Cost Basis Year:		Present Worth of Annual Maintenance Costs:	$0
Construction Start Year:		Estimate Reflects Current Prices:	Yes
Construction End Year:		Project Escalation:	

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Justification/Attachments

Field	Description	Attachments

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Structure and Mitigation Details For: 29010 Tivoli, 29010 Tivoli, Fair Oaks Ranch, Texas, 78015, Bexar

Benefits: $2,746,935 Costs: $236,675 BCR: 11.61

Hazard: **Flood**

Mitigation Option: Acquisition

Latitude:		Longitude:			
Size of Building:	2,984	BRV ($/sf):	$79.31	Total BRV:	$236,661
Residential:	Yes	Building Type:	Two or More Stories		
Obstruction:	N/A	Foundation Type:	Slab	Basement:	No
Building Primary Use:		Structure Type:		Historic Building:	No
Structure Elevation:	1,369.40	First Floor Being Raised:		Demolition Threshold:	50.00%
Source of Flood Data:	HH	Project in SFHA:	No	Community ID Number:	
Effective FIS Date:		FIRM Panel Number:		FIRM Effective Date:	
Project Useful Life:	100	H&H Study Title:	Fair Oaks Study	H&H Effective Date:	02/09/2018
Flood Zone:		Loss of Rent:	$0		
Building Contents:	$236,661 (Default)			Value of Crawlspace Contents:	$0
Ground Surface Elevation:				Flood Zone Determination:	
Breaking Wave Height:				Utilities that are not elevated:	No
Height FFE Above Grade:	1,369.40			One Time Displacement Costs:	$0
NFIP:	No			Displacement Costs:	$0 (Default)
ICC:	No			Current federal lodging per diem:	$91
				Population affected :	0
				Current federal meals per diem:	$51
				Cost per person to eat meals at home:	$7

Street Maintenance Details

Street maintenance budget ($)

Miles of street (miles)

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Length of road (miles)	
Total Reduced Street Maintenance Costs	$0.00

Volunteer Costs

Number of Volunteers Required:		Number of Hours Volunteered/Person:	
Cost of Volunteers Time ($/Hour/Person):		Number of Days Lodging/Volunteer:	
Per-Person Cost of Lodging for a Volunteer:		Cost of Volunteers:	

Social Benefits

Mental Stress and Anxiety

Number of Person:	
Treatment Costs per person:	$2,443.00
Total Mental Stress and Anxiety Cost:	$0.00

Lost Productivity

Number of Worker:	
Productivity Loss per person:	$8,736.00
Total Lost Productivity Cost:	$0.00

Riverine Elevation and Discharge Data

Streambed Elevation (ft):	1,371.5	Flood Profile Number:	
Flood Source Name:			
Elevation At Which Barrier Will Be Overtopped:			
FEMA Elevation Certificate Diagram Description:		Other Elevation Source:	

Recurrence Interval (yr)	Percent Annual Chance (%)	Elevation Before Mitigation (ft)	Discharge Before Mitigation (cfs)	Elevation After Mitigation (ft)	Discharge After Mitigation (cfs)
10	10.00%	1,372.03	125.2	1,372.03	125.2
25	4.00%	1,372.09	160.2	1,372.09	160.2
50	2.00%	1,372.17	210.5	1,372.17	210.5
100	1.00%	1,372.21	238.3	1,372.21	238.3

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Building	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	3.0%	0.0%	$7,100	0.0%	0.0%	$0
0.0	9.3%	0.0%	$22,009	0.0%	0.0%	$0
1.0	15.2%	0.0%	$35,972	0.0%	0.0%	$0
2.0	20.9%	0.0%	$49,462	0.0%	0.0%	$0
3.0	26.3%	0.0%	$62,242	0.0%	0.0%	$0
4.0	31.4%	0.0%		0.0%	0.0%	
5.0	36.2%	0.0%		0.0%	0.0%	
6.0	40.7%	0.0%		0.0%	0.0%	
7.0	44.9%	0.0%		0.0%	0.0%	
8.0	48.8%	0.0%		0.0%	0.0%	
9.0	52.4%	0.0%		0.0%	0.0%	
10.0	55.7%	0.0%		0.0%	0.0%	
11.0	58.7%	0.0%		0.0%	0.0%	
12.0	61.4%	0.0%		0.0%	0.0%	
13.0	63.8%	0.0%	$236,661	0.0%	0.0%	$0
14.0	65.9%	0.0%	$236,661	0.0%	0.0%	$0
15.0	67.7%	0.0%	$236,661	0.0%	0.0%	$0
16.0	69.2%	0.0%	$236,661	0.0%	0.0%	$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Contents	**Before Mitigation Values:**			**After Mitigation Values:**		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	1.0%	0.0%	$2,367	0.0%	0.0%	$0
0.0	5.0%	0.0%	$11,833	0.0%	0.0%	$0
1.0	8.7%	0.0%	$20,590	0.0%	0.0%	$0
2.0	12.2%	0.0%	$28,873	0.0%	0.0%	$0
3.0	15.5%	0.0%	$36,682	0.0%	0.0%	$0
4.0	18.5%	0.0%	$43,782	0.0%	0.0%	$0
5.0	21.3%	0.0%	$50,409	0.0%	0.0%	$0
6.0	23.9%	0.0%	$56,562	0.0%	0.0%	$0
7.0	26.3%	0.0%	$62,242	0.0%	0.0%	$0
8.0	28.4%	0.0%	$67,212	0.0%	0.0%	$0
9.0	30.3%	0.0%	$71,708	0.0%	0.0%	$0
10.0	32.0%	0.0%	$75,732	0.0%	0.0%	$0
11.0	33.4%	0.0%	$79,045	0.0%	0.0%	$0
12.0	34.7%	0.0%	$82,121	0.0%	0.0%	$0
13.0	35.6%	0.0%	$84,251	0.0%	0.0%	$0
14.0	36.4%	0.0%	$86,145	0.0%	0.0%	$0
15.0	36.9%	0.0%	$87,328	0.0%	0.0%	$0
16.0	37.2%	0.0%	$88,038	0.0%	0.0%	$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Displacement	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Loss of Function	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Environmental Benefits

Land Use

Total Project Area (Acres):

Parcel Type	% of Parcel Type Being Used	$/Acre/Year
	%	

Other Benefits

Other Benefits Before Mitigation

No Data

Other Benefits After Mitigation

No Data

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

BCR Calculation Results

Expected Annual Damages Before Mitigation		Expected Annual Damages After Mitigation		Expected Avoided Damages After Mitigation (Benefits)	
Annual:	$192,507	Annual:	$0	Annual:	$192,507
Present Value:	$2,746,935	Present Value:	$0	Present Value:	$2,746,935

Mitigation Benefits: $2,746,935 Mitigation Costs: $236,675

Benefits Minus Costs: $2,510,260 Benefit-Cost Ratio: 11.61

Cost Estimate

Project Useful Life (years):	100	Construction Type:	
Mitigation Project Cost:	$236,675	Detailed Scope of Work:	Yes
Annual Project Maintenance Cost:	$0	Detailed Estimate for Entire Project:	Yes
Final Mitigation Project Cost:	$236,675	Years of Maintenance:	100
Cost Basis Year:		Present Worth of Annual Maintenance Costs:	$0
Construction Start Year:		Estimate Reflects Current Prices:	Yes
Construction End Year:		Project Escalation:	

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Justification/Attachments

Field	Description	Attachments

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Structure and Mitigation Details For: 29014 Tivoli, 29014 Tivoli, Fair Oaks Ranch, Texas, 78015, Bexar

Benefits: $2,062,010 Costs: $227,860 BCR: 9.05

Hazard: **Flood**

Mitigation Option: Acquisition

Latitude:		Longitude:			
Size of Building:	2,830	BRV ($/sf):	$80.52	Total BRV:	$227,872
Residential:	Yes	Building Type:	Two or More Stories		
Obstruction:	N/A	Foundation Type:	Slab	Basement:	No
Building Primary Use:		Structure Type:		Historic Building:	No
Structure Elevation:	1,366.50	First Floor Being Raised:		Demolition Threshold:	50.00%
Source of Flood Data:	HH	Project in SFHA:	No	Community ID Number:	
Effective FIS Date:		FIRM Panel Number:		FIRM Effective Date:	
Project Useful Life:	100	H&H Study Title:	Fair Oaks Study	H&H Effective Date:	02/09/2018
Flood Zone:		Loss of Rent:	$0		
Building Contents:	$227,872 (Default)			Value of Crawlspace Contents:	$0
Ground Surface Elevation:				Flood Zone Determination:	
Breaking Wave Height:				Utilities that are not elevated:	No
Height FFE Above Grade:	1,366.50			One Time Displacement Costs:	$0
NFIP:	No			Displacement Costs:	$0 (Default)
ICC:	No			Current federal lodging per diem:	$91
				Population affected :	0
				Current federal meals per diem:	$51
				Cost per person to eat meals at home:	$7

Street Maintenance Details

Street maintenance budget ($)

Miles of street (miles)

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Length of road (miles)	
Total Reduced Street Maintenance Costs	$0.00

Volunteer Costs

Number of Volunteers Required:		Number of Hours Volunteered/Person:	
Cost of Volunteers Time ($/Hour/Person):		Number of Days Lodging/Volunteer:	
Per-Person Cost of Lodging for a Volunteer:		Cost of Volunteers:	

Social Benefits

Mental Stress and Anxiety

Number of Person:	
Treatment Costs per person:	$2,443.00
Total Mental Stress and Anxiety Cost:	$0.00

Lost Productivity

Number of Worker:	
Productivity Loss per person:	$8,736.00
Total Lost Productivity Cost:	$0.00

Riverine Elevation and Discharge Data

Streambed Elevation (ft):	1,367.1	Flood Profile Number:	
Flood Source Name:			
Elevation At Which Barrier Will Be Overtopped:			
FEMA Elevation Certificate Diagram Description:		Other Elevation Source:	

Recurrence Interval (yr)	Percent Annual Chance (%)	Elevation Before Mitigation (ft)	Discharge Before Mitigation (cfs)	Elevation After Mitigation (ft)	Discharge After Mitigation (cfs)
10	10.00%	1,368.03	125.2	1,368.03	125.2
25	4.00%	1,368.13	160.2	1,368.13	160.2
50	2.00%	1,368.26	210.5	1,368.26	210.5
100	1.00%	1,368.32	238.3	1,368.32	238.3

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Building	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	3.0%	0.0%	$6,836	0.0%	0.0%	$0
0.0	9.3%	0.0%	$21,192	0.0%	0.0%	$0
1.0	15.2%	0.0%	$34,636	0.0%	0.0%	$0
2.0	20.9%	0.0%		0.0%	0.0%	
3.0	26.3%	0.0%		0.0%	0.0%	
4.0	31.4%	0.0%		0.0%	0.0%	
5.0	36.2%	0.0%		0.0%	0.0%	
6.0	40.7%	0.0%		0.0%	0.0%	
7.0	44.9%	0.0%		0.0%	0.0%	
8.0	48.8%	0.0%		0.0%	0.0%	
9.0	52.4%	0.0%		0.0%	0.0%	
10.0	55.7%	0.0%		0.0%	0.0%	
11.0	58.7%	0.0%		0.0%	0.0%	
12.0	61.4%	0.0%		0.0%	0.0%	
13.0	63.8%	0.0%		0.0%	0.0%	
14.0	65.9%	0.0%		0.0%	0.0%	
15.0	67.7%	0.0%	$227,872	0.0%	0.0%	$0
16.0	69.2%	0.0%	$227,872	0.0%	0.0%	$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Contents	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	1.0%	0.0%	$2,279	0.0%	0.0%	$0
0.0	5.0%	0.0%	$11,394	0.0%	0.0%	$0
1.0	8.7%	0.0%	$19,825	0.0%	0.0%	$0
2.0	12.2%	0.0%	$27,800	0.0%	0.0%	$0
3.0	15.5%	0.0%	$35,320	0.0%	0.0%	$0
4.0	18.5%	0.0%	$42,156	0.0%	0.0%	$0
5.0	21.3%	0.0%	$48,537	0.0%	0.0%	$0
6.0	23.9%	0.0%	$54,461	0.0%	0.0%	$0
7.0	26.3%	0.0%	$59,930	0.0%	0.0%	$0
8.0	28.4%	0.0%	$64,716	0.0%	0.0%	$0
9.0	30.3%	0.0%	$69,045	0.0%	0.0%	$0
10.0	32.0%	0.0%	$72,919	0.0%	0.0%	$0
11.0	33.4%	0.0%	$76,109	0.0%	0.0%	$0
12.0	34.7%	0.0%	$79,071	0.0%	0.0%	$0
13.0	35.6%	0.0%	$81,122	0.0%	0.0%	$0
14.0	36.4%	0.0%	$82,945	0.0%	0.0%	$0
15.0	36.9%	0.0%	$84,085	0.0%	0.0%	$0
16.0	37.2%	0.0%	$84,768	0.0%	0.0%	$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Displacement	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Loss of Function	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Environmental Benefits

Land Use

Total Project Area (Acres):

Parcel Type	% of Parcel Type Being Used	$/Acre/Year
	%	

Other Benefits

Other Benefits Before Mitigation

No Data

Other Benefits After Mitigation

No Data

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

BCR Calculation Results

Expected Annual Damages Before Mitigation		Expected Annual Damages After Mitigation		Expected Avoided Damages After Mitigation (Benefits)	
Annual:	$144,507	Annual:	$0	Annual:	$144,507
Present Value:	$2,062,010	Present Value:	$0	Present Value:	$2,062,010

Mitigation Benefits:	$2,062,010	Mitigation Costs:	$227,860
Benefits Minus Costs:	$1,834,150	Benefit-Cost Ratio:	9.05

Cost Estimate

Project Useful Life (years):	100	Construction Type:	
Mitigation Project Cost:	$227,860	Detailed Scope of Work:	Yes
Annual Project Maintenance Cost:	$0	Detailed Estimate for Entire Project:	Yes
Final Mitigation Project Cost:	$227,860	Years of Maintenance:	100
Cost Basis Year:		Present Worth of Annual Maintenance Costs:	$0
Construction Start Year:		Estimate Reflects Current Prices:	Yes
Construction End Year:		Project Escalation:	

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Justification/Attachments

Field	Description	Attachments

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Structure and Mitigation Details For: 29015 Tivoli, 29015 Tivoli, Fair Oaks Ranch, Texas, 78015, Bexar

Benefits: $2,668,594 Costs: $232,199 BCR: 11.49

Hazard: **Flood**

Mitigation Option: Acquisition

Latitude:		Longitude:			
Size of Building:	2,905	BRV ($/sf):	$79.93	Total BRV:	$232,197
Residential:	Yes	Building Type:	Two or More Stories		
Obstruction:	N/A	Foundation Type:	Slab	Basement:	No
Building Primary Use:		Structure Type:		Historic Building:	No
Structure Elevation:	1,364.50	First Floor Being Raised:		Demolition Threshold:	50.00%
Source of Flood Data:	HH	Project in SFHA:	No	Community ID Number:	
Effective FIS Date:		FIRM Panel Number:		FIRM Effective Date:	
Project Useful Life:	100	H&H Study Title:	Fair Oaks Study	H&H Effective Date:	02/09/2018
Flood Zone:	Unknown	Loss of Rent:	$0		
Building Contents:	$232,197 (Default)			Value of Crawlspace Contents:	$0
Ground Surface Elevation:				Flood Zone Determination:	
Breaking Wave Height:				Utilities that are not elevated:	No
Height FFE Above Grade:	1,364.50			One Time Displacement Costs:	$0
NFIP:	No			Displacement Costs:	$0 (Default)
ICC:	No			Current federal lodging per diem:	$91
				Population affected :	0
				Current federal meals per diem:	$51
				Cost per person to eat meals at home:	$7

Street Maintenance Details

Street maintenance budget ($)

Miles of street (miles)

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Length of road (miles)	
Total Reduced Street Maintenance Costs	$0.00

Volunteer Costs

Number of Volunteers Required:		Number of Hours Volunteered/Person:	
Cost of Volunteers Time ($/Hour/Person):		Number of Days Lodging/Volunteer:	
Per-Person Cost of Lodging for a Volunteer:		Cost of Volunteers:	

Social Benefits

Mental Stress and Anxiety

Number of Person:	
Treatment Costs per person:	$2,443.00
Total Mental Stress and Anxiety Cost:	$0.00

Lost Productivity

Number of Worker:	
Productivity Loss per person:	$8,736.00
Total Lost Productivity Cost:	$0.00

Riverine Elevation and Discharge Data

Streambed Elevation (ft):	1,366.2	Flood Profile Number:	
Flood Source Name:			
Elevation At Which Barrier Will Be Overtopped:			
FEMA Elevation Certificate Diagram Description:		Other Elevation Source:	

Recurrence Interval (yr)	Percent Annual Chance (%)	Elevation Before Mitigation (ft)	Discharge Before Mitigation (cfs)	Elevation After Mitigation (ft)	Discharge After Mitigation (cfs)
10	10.00%	1,367.23	125.2	1,367.23	125.2
25	4.00%	1,367.34	160.2	1,367.34	160.2
50	2.00%	1,367.48	210.5	1,367.48	210.5
100	1.00%	1,367.55	238.3	1,367.55	238.3

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Building	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	3.0%	0.0%	$6,966	0.0%	0.0%	$0
0.0	9.3%	0.0%	$21,594	0.0%	0.0%	$0
1.0	15.2%	0.0%	$35,294	0.0%	0.0%	$0
2.0	20.9%	0.0%		0.0%	0.0%	
3.0	26.3%	0.0%		0.0%	0.0%	
4.0	31.4%	0.0%		0.0%	0.0%	
5.0	36.2%	0.0%		0.0%	0.0%	
6.0	40.7%	0.0%		0.0%	0.0%	
7.0	44.9%	0.0%		0.0%	0.0%	
8.0	48.8%	0.0%		0.0%	0.0%	
9.0	52.4%	0.0%		0.0%	0.0%	
10.0	55.7%	0.0%		0.0%	0.0%	
11.0	58.7%	0.0%		0.0%	0.0%	
12.0	61.4%	0.0%		0.0%	0.0%	
13.0	63.8%	0.0%		0.0%	0.0%	
14.0	65.9%	0.0%		0.0%	0.0%	
15.0	67.7%	0.0%	$232,197	0.0%	0.0%	$0
16.0	69.2%	0.0%	$232,197	0.0%	0.0%	$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Contents	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	1.0%	0.0%	$2,322	0.0%	0.0%	$0
0.0	5.0%	0.0%	$11,610	0.0%	0.0%	$0
1.0	8.7%	0.0%	$20,201	0.0%	0.0%	$0
2.0	12.2%	0.0%	$28,328	0.0%	0.0%	$0
3.0	15.5%	0.0%	$35,990	0.0%	0.0%	$0
4.0	18.5%	0.0%	$42,956	0.0%	0.0%	$0
5.0	21.3%	0.0%	$49,458	0.0%	0.0%	$0
6.0	23.9%	0.0%	$55,495	0.0%	0.0%	$0
7.0	26.3%	0.0%	$61,068	0.0%	0.0%	$0
8.0	28.4%	0.0%	$65,944	0.0%	0.0%	$0
9.0	30.3%	0.0%	$70,356	0.0%	0.0%	$0
10.0	32.0%	0.0%	$74,303	0.0%	0.0%	$0
11.0	33.4%	0.0%	$77,554	0.0%	0.0%	$0
12.0	34.7%	0.0%	$80,572	0.0%	0.0%	$0
13.0	35.6%	0.0%	$82,662	0.0%	0.0%	$0
14.0	36.4%	0.0%	$84,520	0.0%	0.0%	$0
15.0	36.9%	0.0%	$85,681	0.0%	0.0%	$0
16.0	37.2%	0.0%	$86,377	0.0%	0.0%	$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Displacement	**Before Mitigation Values:**			**After Mitigation Values:**		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Loss of Function	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Environmental Benefits

Land Use

Total Project Area (Acres):

Parcel Type	% of Parcel Type Being Used	$/Acre/Year
	%	

Other Benefits

Other Benefits Before Mitigation

No Data

Other Benefits After Mitigation

No Data

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

BCR Calculation Results

Expected Annual Damages Before Mitigation		Expected Annual Damages After Mitigation		Expected Avoided Damages After Mitigation (Benefits)	
Annual:	$187,017	Annual:	$0	Annual:	$187,017
Present Value:	$2,668,594	Present Value:	$0	Present Value:	$2,668,594

Mitigation Benefits:	$2,668,594	Mitigation Costs:	$232,199
Benefits Minus Costs:	$2,436,395	Benefit-Cost Ratio:	11.49

Cost Estimate

Project Useful Life (years):	100	Construction Type:	
Mitigation Project Cost:	$232,199	Detailed Scope of Work:	Yes
Annual Project Maintenance Cost:	$0	Detailed Estimate for Entire Project:	Yes
Final Mitigation Project Cost:	$232,199	Years of Maintenance:	100
Cost Basis Year:		Present Worth of Annual Maintenance Costs:	$0
Construction Start Year:		Estimate Reflects Current Prices:	Yes
Construction End Year:		Project Escalation:	

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Justification/Attachments

Field	Description	Attachments

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Structure and Mitigation Details For: 29018 Tivoli, 29018 Tivoli, Fair Oaks Ranch, Texas, 78015, Bexar

Benefits: $486,842 Costs: $254,704 BCR: 1.91

Hazard: **Flood**

Mitigation Option: Acquisition

Latitude:		Longitude:			
Size of Building:	3,281	BRV ($/sf):	$77.63	Total BRV:	$254,704
Residential:	Yes	Building Type:	Two or More Stories		
Obstruction:	N/A	Foundation Type:	Slab	Basement:	No
Building Primary Use:		Structure Type:		Historic Building:	No
Structure Elevation:	1,366.40	First Floor Being Raised:		Demolition Threshold:	50.00%
Source of Flood Data:	HH	Project in SFHA:	No	Community ID Number:	
Effective FIS Date:		FIRM Panel Number:		FIRM Effective Date:	
Project Useful Life:	100	H&H Study Title:	Fair Oaks Study	H&H Effective Date:	02/09/2018
Flood Zone:		Loss of Rent:	$0		
Building Contents:	$254,704 (Default)			Value of Crawlspace Contents:	$0
Ground Surface Elevation:				Flood Zone Determination:	
Breaking Wave Height:				Utilities that are not elevated:	No
Height FFE Above Grade:	1,366.40			One Time Displacement Costs:	$0
NFIP:	No			Displacement Costs:	$0 (Default)
ICC:	No			Current federal lodging per diem:	$91
				Population affected :	0
				Current federal meals per diem:	$51
				Cost per person to eat meals at home:	$7

Street Maintenance Details

Street maintenance budget ($)

Miles of street (miles)

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Length of road (miles)	
Total Reduced Street Maintenance Costs	$0.00

Volunteer Costs

Number of Volunteers Required:		Number of Hours Volunteered/Person:	
Cost of Volunteers Time ($/Hour/Person):		Number of Days Lodging/Volunteer:	
Per-Person Cost of Lodging for a Volunteer:		Cost of Volunteers:	

Social Benefits

Mental Stress and Anxiety

Number of Person:	
Treatment Costs per person:	$2,443.00
Total Mental Stress and Anxiety Cost:	$0.00

Lost Productivity

Number of Worker:	
Productivity Loss per person:	$8,736.00
Total Lost Productivity Cost:	$0.00

Riverine Elevation and Discharge Data

Streambed Elevation (ft):	1,365.6	Flood Profile Number:	
Flood Source Name:			
Elevation At Which Barrier Will Be Overtopped:			
FEMA Elevation Certificate Diagram Description:		Other Elevation Source:	

Recurrence Interval (yr)	Percent Annual Chance (%)	Elevation Before Mitigation (ft)	Discharge Before Mitigation (cfs)	Elevation After Mitigation (ft)	Discharge After Mitigation (cfs)
10	10.00%	1,366.67	125.2	1,366.67	125.2
25	4.00%	1,366.78	160.2	1,366.78	160.2
50	2.00%	1,366.92	210.5	1,366.92	210.5
100	1.00%	1,367.00	238.3	1,367.00	238.3

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Building	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	3.0%	0.0%	$7,641	0.0%	0.0%	$0
0.0	9.3%	0.0%	$23,687	0.0%	0.0%	$0
1.0	15.2%	0.0%	$38,715	0.0%	0.0%	$0
2.0	20.9%	0.0%		0.0%	0.0%	
3.0	26.3%	0.0%		0.0%	0.0%	
4.0	31.4%	0.0%		0.0%	0.0%	
5.0	36.2%	0.0%		0.0%	0.0%	
6.0	40.7%	0.0%		0.0%	0.0%	
7.0	44.9%	0.0%		0.0%	0.0%	
8.0	48.8%	0.0%		0.0%	0.0%	
9.0	52.4%	0.0%		0.0%	0.0%	
10.0	55.7%	0.0%		0.0%	0.0%	
11.0	58.7%	0.0%		0.0%	0.0%	
12.0	61.4%	0.0%		0.0%	0.0%	
13.0	63.8%	0.0%		0.0%	0.0%	
14.0	65.9%	0.0%		0.0%	0.0%	
15.0	67.7%	0.0%	$254,704	0.0%	0.0%	$0
16.0	69.2%	0.0%	$254,704	0.0%	0.0%	$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Contents	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	1.0%	0.0%	$2,547	0.0%	0.0%	$0
0.0	5.0%	0.0%	$12,735	0.0%	0.0%	$0
1.0	8.7%	0.0%	$22,159	0.0%	0.0%	$0
2.0	12.2%	0.0%	$31,074	0.0%	0.0%	$0
3.0	15.5%	0.0%	$39,479	0.0%	0.0%	$0
4.0	18.5%	0.0%	$47,120	0.0%	0.0%	$0
5.0	21.3%	0.0%	$54,252	0.0%	0.0%	$0
6.0	23.9%	0.0%	$60,874	0.0%	0.0%	$0
7.0	26.3%	0.0%	$66,987	0.0%	0.0%	$0
8.0	28.4%	0.0%	$72,336	0.0%	0.0%	$0
9.0	30.3%	0.0%	$77,175	0.0%	0.0%	$0
10.0	32.0%	0.0%	$81,505	0.0%	0.0%	$0
11.0	33.4%	0.0%	$85,071	0.0%	0.0%	$0
12.0	34.7%	0.0%	$88,382	0.0%	0.0%	$0
13.0	35.6%	0.0%	$90,675	0.0%	0.0%	$0
14.0	36.4%	0.0%	$92,712	0.0%	0.0%	$0
15.0	36.9%	0.0%	$93,986	0.0%	0.0%	$0
16.0	37.2%	0.0%	$94,750	0.0%	0.0%	$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Displacement	**Before Mitigation Values:**			**After Mitigation Values:**		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Loss of Function	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Environmental Benefits

Land Use

Total Project Area (Acres):

Parcel Type	% of Parcel Type Being Used	$/Acre/Year
	%	

Other Benefits

Other Benefits Before Mitigation

No Data

Other Benefits After Mitigation

No Data

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

BCR Calculation Results

Expected Annual Damages Before Mitigation		Expected Annual Damages After Mitigation		Expected Avoided Damages After Mitigation (Benefits)	
Annual:	$34,118	Annual:	$0	Annual:	$34,118
Present Value:	$486,842	Present Value:	$0	Present Value:	$486,842

Mitigation Benefits:	$486,842	Mitigation Costs:	$254,704
Benefits Minus Costs:	$232,138	Benefit-Cost Ratio:	1.91

Cost Estimate

Project Useful Life (years):	100	Construction Type:	
Mitigation Project Cost:	$254,704	Detailed Scope of Work:	Yes
Annual Project Maintenance Cost:	$0	Detailed Estimate for Entire Project:	Yes
Final Mitigation Project Cost:	$254,704	Years of Maintenance:	100
Cost Basis Year:		Present Worth of Annual Maintenance Costs:	$0
Construction Start Year:		Estimate Reflects Current Prices:	Yes
Construction End Year:		Project Escalation:	

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Justification/Attachments

Field	Description	Attachments

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Structure and Mitigation Details For: 29019 Tivoli, 29019 Tivoli, Fair Oaks Ranch, Texas, 78015, Bexar

Benefits: $2,912,467 Costs: $241,820 BCR: 12.04

Hazard: **Flood**

Mitigation Option: Acquisition

Latitude:		Longitude:			
Size of Building:	3,077	BRV ($/sf):	$78.59	Total BRV:	$241,821
Residential:	Yes	Building Type:	Two or More Stories		
Obstruction:	N/A	Foundation Type:	Slab	Basement:	No
Building Primary Use:		Structure Type:		Historic Building:	No
Structure Elevation:	1,363.00	First Floor Being Raised:		Demolition Threshold:	50.00%
Source of Flood Data:	HH	Project in SFHA:	No	Community ID Number:	
Effective FIS Date:		FIRM Panel Number:		FIRM Effective Date:	
Project Useful Life:	100	H&H Study Title:	Fair Oaks Study	H&H Effective Date:	02/09/2018
Flood Zone:		Loss of Rent:	$0		
Building Contents:	$241,821 (Default)			Value of Crawlspace Contents:	$0
Ground Surface Elevation:				Flood Zone Determination:	
Breaking Wave Height:				Utilities that are not elevated:	No
Height FFE Above Grade:	1,363.00			One Time Displacement Costs:	$0
NFIP:	No			Displacement Costs:	$0 (Default)
ICC:	No			Current federal lodging per diem:	$91
				Population affected :	0
				Current federal meals per diem:	$51
				Cost per person to eat meals at home:	$7

Street Maintenance Details

Street maintenance budget ($)

Miles of street (miles)

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Length of road (miles)	
Total Reduced Street Maintenance Costs	$0.00

Volunteer Costs

Number of Volunteers Required:		Number of Hours Volunteered/Person:	
Cost of Volunteers Time ($/Hour/Person):		Number of Days Lodging/Volunteer:	
Per-Person Cost of Lodging for a Volunteer:		Cost of Volunteers:	

Social Benefits

Mental Stress and Anxiety

Number of Person:	
Treatment Costs per person:	$2,443.00
Total Mental Stress and Anxiety Cost:	$0.00

Lost Productivity

Number of Worker:	
Productivity Loss per person:	$8,736.00
Total Lost Productivity Cost:	$0.00

Riverine Elevation and Discharge Data

Streambed Elevation (ft):	1,364.9	Flood Profile Number:	
Flood Source Name:			
Elevation At Which Barrier Will Be Overtopped:			
FEMA Elevation Certificate Diagram Description:		Other Elevation Source:	

Recurrence Interval (yr)	Percent Annual Chance (%)	Elevation Before Mitigation (ft)	Discharge Before Mitigation (cfs)	Elevation After Mitigation (ft)	Discharge After Mitigation (cfs)
10	10.00%	1,366.05	125.2	1,366.05	125.2
25	4.00%	1,366.17	160.2	1,366.17	160.2
50	2.00%	1,366.32	210.5	1,366.32	210.5
100	1.00%	1,366.40	238.3	1,366.40	238.3

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Building	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	3.0%	0.0%	$7,255	0.0%	0.0%	$0
0.0	9.3%	0.0%	$22,489	0.0%	0.0%	$0
1.0	15.2%	0.0%	$36,757	0.0%	0.0%	$0
2.0	20.9%	0.0%		0.0%	0.0%	
3.0	26.3%	0.0%		0.0%	0.0%	
4.0	31.4%	0.0%		0.0%	0.0%	
5.0	36.2%	0.0%		0.0%	0.0%	
6.0	40.7%	0.0%		0.0%	0.0%	
7.0	44.9%	0.0%		0.0%	0.0%	
8.0	48.8%	0.0%		0.0%	0.0%	
9.0	52.4%	0.0%		0.0%	0.0%	
10.0	55.7%	0.0%		0.0%	0.0%	
11.0	58.7%	0.0%		0.0%	0.0%	
12.0	61.4%	0.0%		0.0%	0.0%	
13.0	63.8%	0.0%		0.0%	0.0%	
14.0	65.9%	0.0%		0.0%	0.0%	
15.0	67.7%	0.0%	$241,821	0.0%	0.0%	$0
16.0	69.2%	0.0%	$241,821	0.0%	0.0%	$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Contents	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	1.0%	0.0%	$2,418	0.0%	0.0%	$0
0.0	5.0%	0.0%	$12,091	0.0%	0.0%	$0
1.0	8.7%	0.0%	$21,038	0.0%	0.0%	$0
2.0	12.2%	0.0%	$29,502	0.0%	0.0%	$0
3.0	15.5%	0.0%	$37,482	0.0%	0.0%	$0
4.0	18.5%	0.0%	$44,737	0.0%	0.0%	$0
5.0	21.3%	0.0%	$51,508	0.0%	0.0%	$0
6.0	23.9%	0.0%	$57,795	0.0%	0.0%	$0
7.0	26.3%	0.0%	$63,599	0.0%	0.0%	$0
8.0	28.4%	0.0%	$68,677	0.0%	0.0%	$0
9.0	30.3%	0.0%	$73,272	0.0%	0.0%	$0
10.0	32.0%	0.0%	$77,383	0.0%	0.0%	$0
11.0	33.4%	0.0%	$80,768	0.0%	0.0%	$0
12.0	34.7%	0.0%	$83,912	0.0%	0.0%	$0
13.0	35.6%	0.0%	$86,088	0.0%	0.0%	$0
14.0	36.4%	0.0%	$88,023	0.0%	0.0%	$0
15.0	36.9%	0.0%	$89,232	0.0%	0.0%	$0
16.0	37.2%	0.0%	$89,958	0.0%	0.0%	$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Displacement	**Before Mitigation Values:**			**After Mitigation Values:**		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Loss of Function	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Environmental Benefits

Land Use

Total Project Area (Acres):

Parcel Type	% of Parcel Type Being Used	$/Acre/Year
	%	

Other Benefits

Other Benefits Before Mitigation

No Data

Other Benefits After Mitigation

No Data

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

BCR Calculation Results

Expected Annual Damages Before Mitigation		Expected Annual Damages After Mitigation		Expected Avoided Damages After Mitigation (Benefits)	
Annual:	$204,108	Annual:	$0	Annual:	$204,108
Present Value:	$2,912,467	Present Value:	$0	Present Value:	$2,912,467

Mitigation Benefits:	$2,912,467	Mitigation Costs:	$241,820
Benefits Minus Costs:	$2,670,647	Benefit-Cost Ratio:	12.04

Cost Estimate

Project Useful Life (years):	100	Construction Type:	
Mitigation Project Cost:	$241,820	Detailed Scope of Work:	Yes
Annual Project Maintenance Cost:	$0	Detailed Estimate for Entire Project:	Yes
Final Mitigation Project Cost:	$241,820	Years of Maintenance:	100
Cost Basis Year:		Present Worth of Annual Maintenance Costs:	$0
Construction Start Year:		Estimate Reflects Current Prices:	Yes
Construction End Year:		Project Escalation:	

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Justification/Attachments

Field	Description	Attachments

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Structure and Mitigation Details For: 29022 Tivoli, 29022 Tivoli, Fair Oaks Ranch, Texas, 78015, Bexar

Benefits: $374,982 Costs: $230,763 BCR: 1.62

Hazard: **Flood**

Mitigation Option: Acquisition

Latitude:		Longitude:			
Size of Building:	2,880	BRV ($/sf):	$80.13	Total BRV:	$230,774
Residential:	Yes	Building Type:	Two or More Stories		
Obstruction:	N/A	Foundation Type:	Slab	Basement:	No
Building Primary Use:		Structure Type:		Historic Building:	No
Structure Elevation:	1,365.20	First Floor Being Raised:		Demolition Threshold:	50.00%
Source of Flood Data:	HH	Project in SFHA:	No	Community ID Number:	
Effective FIS Date:		FIRM Panel Number:		FIRM Effective Date:	
Project Useful Life:	100	H&H Study Title:	Fair Oaks Study	H&H Effective Date:	02/09/2018
Flood Zone:		Loss of Rent:	$0		
Building Contents:	$230,774 (Default)			Value of Crawlspace Contents:	$0
Ground Surface Elevation:				Flood Zone Determination:	
Breaking Wave Height:				Utilities that are not elevated:	No
Height FFE Above Grade:	1,365.20			One Time Displacement Costs:	$0
NFIP:	No			Displacement Costs:	$0 (Default)
ICC:	No			Current federal lodging per diem:	$91
				Population affected :	0
				Current federal meals per diem:	$51
				Cost per person to eat meals at home:	$7

Street Maintenance Details

Street maintenance budget ($)

Miles of street (miles)

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Length of road (miles)	
Total Reduced Street Maintenance Costs	$0.00

Volunteer Costs

Number of Volunteers Required:		Number of Hours Volunteered/Person:	
Cost of Volunteers Time ($/Hour/Person):		Number of Days Lodging/Volunteer:	
Per-Person Cost of Lodging for a Volunteer:		Cost of Volunteers:	

Social Benefits

Mental Stress and Anxiety

Number of Person:	
Treatment Costs per person:	$2,443.00
Total Mental Stress and Anxiety Cost:	$0.00

Lost Productivity

Number of Worker:	
Productivity Loss per person:	$8,736.00
Total Lost Productivity Cost:	$0.00

Riverine Elevation and Discharge Data

Streambed Elevation (ft):	1,364.1	Flood Profile Number:	
Flood Source Name:			
Elevation At Which Barrier Will Be Overtopped:			
FEMA Elevation Certificate Diagram Description:		Other Elevation Source:	

Recurrence Interval (yr)	Percent Annual Chance (%)	Elevation Before Mitigation (ft)	Discharge Before Mitigation (cfs)	Elevation After Mitigation (ft)	Discharge After Mitigation (cfs)
10	10.00%	1,365.28	125.2	1,365.28	125.2
25	4.00%	1,365.41	160.2	1,365.41	160.2
50	2.00%	1,365.57	210.5	1,365.57	210.5
100	1.00%	1,365.65	238.3	1,365.65	238.3

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Building	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	3.0%	0.0%	$6,923	0.0%	0.0%	$0
0.0	9.3%	0.0%	$21,462	0.0%	0.0%	$0
1.0	15.2%	0.0%	$35,078	0.0%	0.0%	$0
2.0	20.9%	0.0%		0.0%	0.0%	
3.0	26.3%	0.0%		0.0%	0.0%	
4.0	31.4%	0.0%		0.0%	0.0%	
5.0	36.2%	0.0%		0.0%	0.0%	
6.0	40.7%	0.0%		0.0%	0.0%	
7.0	44.9%	0.0%		0.0%	0.0%	
8.0	48.8%	0.0%		0.0%	0.0%	
9.0	52.4%	0.0%		0.0%	0.0%	
10.0	55.7%	0.0%		0.0%	0.0%	
11.0	58.7%	0.0%		0.0%	0.0%	
12.0	61.4%	0.0%		0.0%	0.0%	
13.0	63.8%	0.0%		0.0%	0.0%	
14.0	65.9%	0.0%		0.0%	0.0%	
15.0	67.7%	0.0%	$230,774	0.0%	0.0%	$0
16.0	69.2%	0.0%	$230,774	0.0%	0.0%	$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Contents	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	1.0%	0.0%	$2,308	0.0%	0.0%	$0
0.0	5.0%	0.0%	$11,539	0.0%	0.0%	$0
1.0	8.7%	0.0%	$20,077	0.0%	0.0%	$0
2.0	12.2%	0.0%	$28,154	0.0%	0.0%	$0
3.0	15.5%	0.0%	$35,770	0.0%	0.0%	$0
4.0	18.5%	0.0%	$42,693	0.0%	0.0%	$0
5.0	21.3%	0.0%	$49,155	0.0%	0.0%	$0
6.0	23.9%	0.0%	$55,155	0.0%	0.0%	$0
7.0	26.3%	0.0%	$60,694	0.0%	0.0%	$0
8.0	28.4%	0.0%	$65,540	0.0%	0.0%	$0
9.0	30.3%	0.0%	$69,925	0.0%	0.0%	$0
10.0	32.0%	0.0%	$73,848	0.0%	0.0%	$0
11.0	33.4%	0.0%	$77,079	0.0%	0.0%	$0
12.0	34.7%	0.0%	$80,079	0.0%	0.0%	$0
13.0	35.6%	0.0%	$82,156	0.0%	0.0%	$0
14.0	36.4%	0.0%	$84,002	0.0%	0.0%	$0
15.0	36.9%	0.0%	$85,156	0.0%	0.0%	$0
16.0	37.2%	0.0%	$85,848	0.0%	0.0%	$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Displacement	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Loss of Function	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Environmental Benefits

Land Use

Total Project Area (Acres):

Parcel Type	% of Parcel Type Being Used	$/Acre/Year
	%	

Other Benefits

Other Benefits Before Mitigation

No Data

Other Benefits After Mitigation

No Data

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

BCR Calculation Results

Expected Annual Damages Before Mitigation		Expected Annual Damages After Mitigation		Expected Avoided Damages After Mitigation (Benefits)	
Annual:	$26,279	Annual:	$0	Annual:	$26,279
Present Value:	$374,982	Present Value:	$0	Present Value:	$374,982

Mitigation Benefits:	$374,982	Mitigation Costs:	$230,763
Benefits Minus Costs:	$144,219	Benefit-Cost Ratio:	1.62

Cost Estimate

Project Useful Life (years):	100	Construction Type:	
Mitigation Project Cost:	$230,763	Detailed Scope of Work:	Yes
Annual Project Maintenance Cost:	$0	Detailed Estimate for Entire Project:	Yes
Final Mitigation Project Cost:	$230,763	Years of Maintenance:	100
Cost Basis Year:		Present Worth of Annual Maintenance Costs:	$0
Construction Start Year:		Estimate Reflects Current Prices:	Yes
Construction End Year:		Project Escalation:	

Total Benefits: **$11,726,486** Total Costs: **$1,693,785** BCR: **6.92**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Justification/Attachments

Field	Description	Attachments

"A" Site 49

Site 49

Project Scope of Work

The current channel is too shallow to convey flow from stormwater and the berm is too low to hold stormwater in the channel, flooding nearby properties. To solve this issue, the height of the berm should increase by adding fill. Additionally, the slope of the channel should be graded to 3:1 slope on either side of the channel.

Project Cost Breakdown

The project cost will be $2,000 to $20,000, with an estimate average cost of $11,000.

Project Timeline

The current project timeline is to have the projected completed within three years of the start date.

FEMA Engineering Checklist

Attached in file

BCA Cover Sheet

Attached in file

BCA Data and Supporting Documentation

Junctions from PCSWM Model

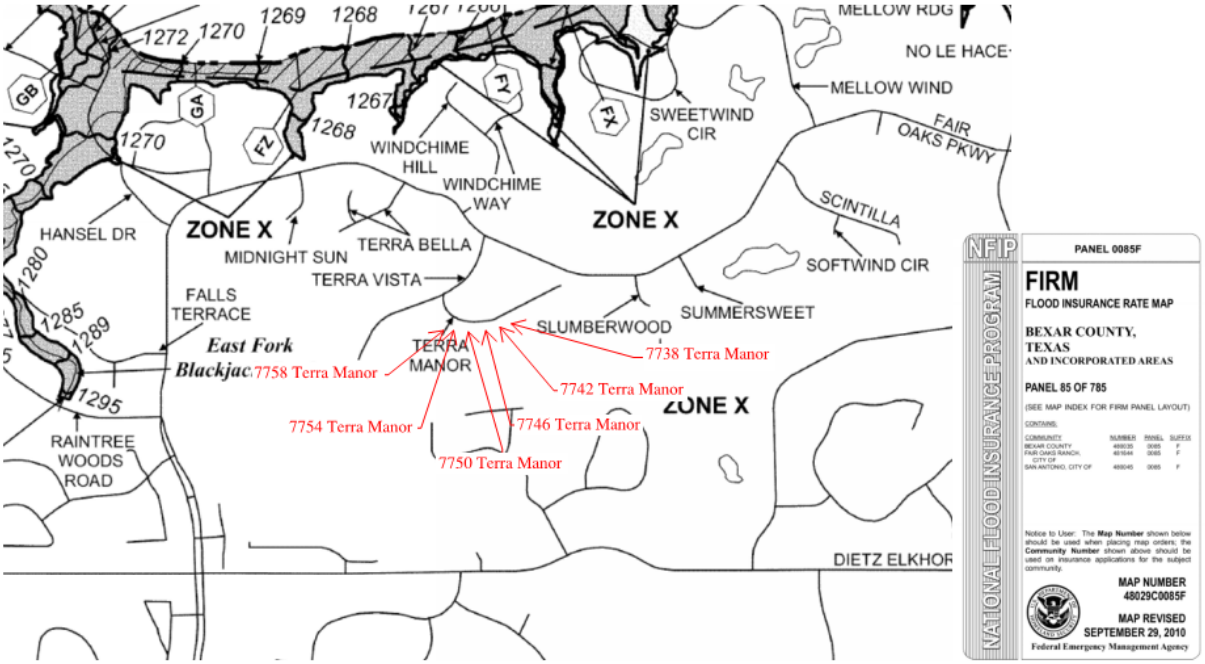
		HGL (ft)							
Name	Distance from Junction	5 yr	10 yr	25 yr	50 yr	100 yr	Length of Conduit	INVERTELEV	
GR9		1319.94	1320.11	1320.38	1320.7	1320.86	269.5	1318.42	C89
J1953		1324.87	1324.94	1325.05	1325.19	1325.26	133	1324.37	C524
J1985		1327.64	1327.74	1327.93	1328.14	1328.25		1326.49	

								FFE	New FFE	Elevated (Ft)	Area (sq ft)	BRV	Cost	INEVERTELEV	Conduit	10-YR Flo	25-yr Flo	50-yr Flo	100-yr Flow
7738 Terra Mnr	95	1321.68	1321.81	1322.03	1322.28	1322.41		1321	1323	2	2185	$ 88.55	$ 193,483.94	1320.5174	C89	126.71	180.34	258.45	302.16
7742 Terra Mnr	182	1322.9	1323.01	1323.19	1323.4	1323.5		1321.5	1324	2.5	2529	$ 83.79	$ 211,909.90	1321.99662	C89	126.71	180.34	258.45	302.16
7746 Terra Mnr	220	1323.96	1324.05	1324.19	1324.37	1324.45		1322.5	1325	2.5	2082	$ 90.14	$ 187,665.65	1323.27714	C89	126.71	180.34	258.45	302.16
7750 Terra Mnr	0	1324.87	1324.94	1325.05	1325.19	1325.26		1324	1326	2	2792	$ 80.84	$ 225,704.72	1324.37	C524	128.62	182.69	261.03	303.85
7754 Terra Mnr	75	1326.43	1326.52	1326.67	1326.85	1326.95		1325.5	1327	1.5	2193	$ 88.43	$ 193,922.17	1325.56549	C524	128.62	182.69	261.03	303.85
7758 Terra Mnr	0	1327.64	1327.74	1327.93	1328.14	1328.25		1328	1329	1	1854	$ 93.68	$ 173,678.27	1326.49	C524	128.62	182.69	261.03	303.85

Exterior Wall	600	800	1000	1200	1400	1600	1800	2000	2400	2800	3200
Wood Siding - Wood Frame	143.52	128.67	117.85	109.20	101.92	97.14	94.52	91.40	85.24	80.75	77.63
Brick Veneer - Wood Frame	148.68	133.24	121.97	112.90	105.33	100.34	97.64	94.27	87.90	83.20	79.87
Stucco on Wood Frame	139.24	124.80	114.36	106.04	99.01	94.43	91.94	88.90	83.03	78.71	75.75
Solid Masonry	159.58	142.98	130.79	120.89	112.57	107.12	104.17	100.42	93.52	88.40	84.70

Attached in file

FIRM with Project Plotted



Site Photos

FEMA REGION VI MITIGATION GRANT PROGRAM
ENGINEERING CHECKLIST

Project Title: Fair Oaks Ranch Site 34
Applicant:
Project Number:
Project Location: Fair Oaks Ranch, TX
Grant Number:

Yes	No	Attached	Overall Project Information
		☑	How was this project identified?
☐	☑		Will this project change effective BFE's, floodplain or floodway boundaries?
☑	☐	☐	Has a flood study been prepared?

What level of planning has been completed?

☐	☑	☐	Conceptual – General layout, flow capacity, due diligence study, and quantity estimate
☐	☑	☐	Preliminary – 35% plans with survey, plan and profile sheets, grade lines and potential conflicts identified
☐	☑	☐	Final Plans – 100% complete plans and bid documents
☐	☑	☐	Has a Conditional Letter Of Map Revision (CLOMR) been prepared? ☐ Prepared ☐ Submitted ☐ Approved

Structural Elements

1) Check "Yes" for those elements that are proposed in this project,
2) list the number of each type of proposed structural element,
3) provide one copy of the corresponding "Structure Check List" for each proposed structure.

Yes	No	Number	Structure Type	Page
☐	☑		Detention / Retention	2
☐	☑		Diversion	2
☑	☐		Berm / Floodwall	3
☐	☑		Flap Gate / Flood Gate	3
☑	☑		Channelization	4
☐	☑		Bridge / Culvert	4

FEMA REGION VI MITIGATION GRANT PROGRAM
ENGINEERING CHECKLIST

Project Title:
Applicant: Project Location:
Project Number: Grant Number:

Detention / Retention Check List

Fill out this section for each element for this project

Name/Description of Element: Number of

Drainage Area: sq. mi. Type of Structure: ☐ Detention ☐ Retention

Does any portion meet the state definition of a Dam? ☐ Yes ☐ No

Design Storm: Classification

	Design Storm	100-Year
Peak Inflow (cfs)		
Peak Outflow (cfs)		
Storage Volume (ac-ft)		

Sizing Method: ☐ Computer Model (HEC-1, HEC-HMS, TR-20, etc):
☐ Modified Rational Method ☐ Other:

Immediate downstream maximum non-damaging discharge: cfs

Diversion Check List

Fill out this section for each element for this project

Name/Description of Element: Number of
Drainage Area: sq. mi. Type of Structure: ☐ Off Channel Storage ☐ Other:

Design Storm:

Peak Inflow: cfs Diverted Flow: cfs Remaining Flow: cfs

Diversion is proposed by: ☐ Gravity ☐ Pumping

Proposed pump Number: Size: gpm

Description of sizing method: ☐ is ☐ is not attached

Immediate downstream maximum non-damaging discharge: cfs

FEMA REGION VI MITIGATION GRANT PROGRAM
ENGINEERING CHECKLIST

Project Title:
Applicant: Project Location:
Project Number: Grant Number:

Berm / Floodwall Check List

Fill out this section for each element for this project

Name/Description of Element: Number of

Type of Structure: ☒ Berm ☐ Floodwall ☐ Other:

Design Storm: Proposed Material: ☒ Earthen ☐ Concrete ☐ Other:

	Drainage Area (sq. mi)	Design Discharge (cfs)	100-year Discharge (cfs)
Water side			
Land side			

Minimum Freeboard: Average: ft Upstream End: ft Downstream End: ft

Internal Drainage Plan ☐ Yes ☐ No ☐ Attached

Geotechnical Report ☐ Yes ☐ No ☐ Attached

Hydraulic Study ☐ Yes ☐ No ☐ Attached

Proposed Pumps ☐ Yes ☐ No ☐ Description Attached

Immediate downstream maximum non-damaging discharge: cfs

Flap Gates / Flood Gates Check List

Fill out this section for each element for this project

Name/Description of Element: Number of

Design Storm: Hydraulic Study ☐ Yes ☐ No ☐ Attached

	Drainage Area (sq. mi)	Design Discharge (cfs)	100-year Discharge (cfs)
Water side			
Land side			

Upstream Pool Elevation: ft. msl. Lowest Finished Floor of Adjacent Structures: ft. msl.

Pool elevation determined by: ☐ Computer Model (HEC-1, HEC-HMS, TR-20, etc):
☐ Modified Rational Method ☐ Other:

FEMA REGION VI MITIGATION GRANT PROGRAM
ENGINEERING CHECKLIST

Project Title:
Applicant: Project Location:
Project Number: Grant Number:

Bridge / Culvert Check List

Fill out this section for each element for this project

Name/Description of Element: Number of

Method used to size the proposed structure (e.g., HEC-2, HEC-RAS, WSPRO, HY8):

Dimensions:
Culvert Set #1 barrels foot span by foot rise Material:
Culvert Set #2 barrels foot span by foot rise Material:
Culvert Set #3 barrels foot span by foot rise Material:

Upstream Flowline: Downstream Flowline: High Chord: Low Chord:

Total cross sectional area below low chord: sq. ft. Drainage Area: sq. mi.

Design Storm: Structure Capacity: cfs at Headwater Elevation: ft. msl.

	Design Storm	100-Year
Peak Discharge (cfs)		
Tail Water (ft msl)		
Headwater (ft msl)		

Immediate downstream maximum non-damaging discharge: cfs

Channelization Check List

Fill out this section for each element for this project

Name/Description of Element: Number of

Proposed material: ☐ Earthen/grass lined ☐ Concrete ☐ Gabion Lined ☐ Other:

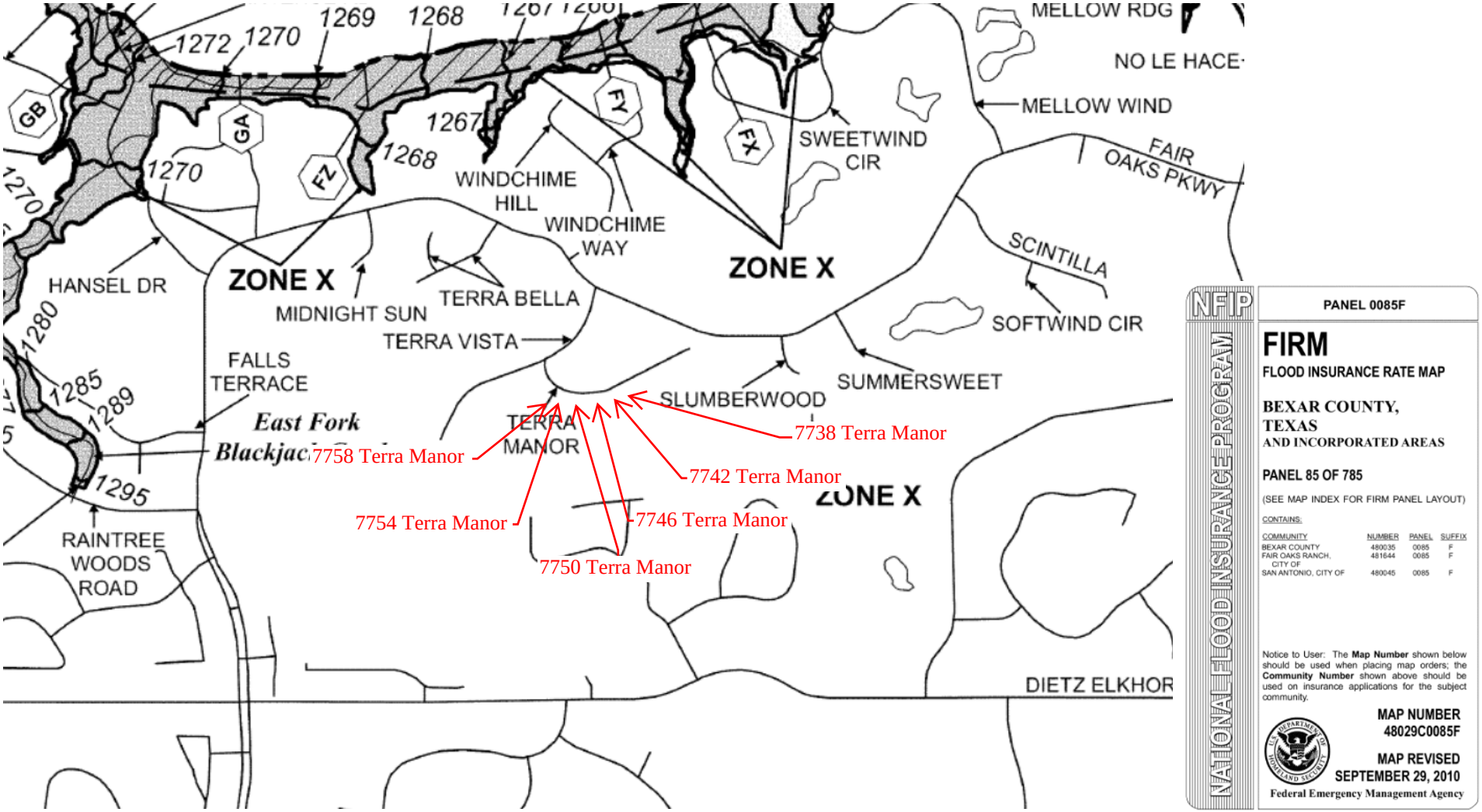
Drainage Area: sq. mi. Design Storm:

Design Peak Discharge: cfs 100-Year Peak Discharge: cfs

Channel Capacity: cfs ☐ with feet of freeboard ☐ without freeboard

Sizing Method: ☐ Computer Model (HEC-2, HEC-RAS, etc):
☐ Hand Calculation (Manning's Equation or other):

Immediate downstream maximum non-damaging discharge: cfs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SCINTILLA
SOFTWIND CIR
SUMMERSWEET
SLUMBERWOOD
HANSEL DR
ZONE X
MIDNIGHT SUN
TERRA BELLA
TERRA VISTA
ZONE X
ZONE X
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1295
FALLS TERRACE
East Fork Blackjac
TERRA MANOR
7758 Terra Manor
7738 Terra Manor
7742 Terra Manor
7754 Terra Manor
7746 Terra Manor
7750 Terra Manor
RAINTREE WOODS ROAD
DIETZ ELKHOR
NFIP
NATIONAL FLOOD INSURANCE PROGRAM
PANEL 0085F
FIRM
FLOOD INSURANCE RATE MAP
BEXAR COUNTY, TEXAS
AND INCORPORATED AREAS
PANEL 85 OF 785
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)
CONTAINS:
COMMUNITY NUMBER PANEL SUFFIX
BEXAR COUNTY 480035 0085 F
FAIR OAKS RANCH, CITY OF 481644 0085 F
SAN ANTONIO, CITY OF 480045 0085 F
Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.
MAP NUMBER
48029C0085F
MAP REVISED
SEPTEMBER 29, 2010
Federal Emergency Management Agency

Texas State Benefit-Cost Study Coversheet

(Attach this coversheet to the face of any benefit-cost study submitted for HMGP)

The benefit-cost ratio for this project is 6.75 **to 1.** Date:

The BCA software version is: 5.3

1. The Benefit-Cost study method I have chosen to use is: (check one)

- [x] Flood
- [ ] Hurricane
- [ ] Tornado
- [ ] Wildfire
- [ ] Earthquake
- [ ] Damage Frequency Analysis (DFA)

2. The loss frequency (if applicable) is _____ years[1]. _____

3. I have checked and to the best of my ability to determine, the attached benefit-cost study is mathematically correct. Additionally, all figures used are supported by a benefit cost analysis narrative and attached documentation.

_____

Name of Person Preparing | Signature | Date

_____

Primary Contact Number | Secondary Contact Number

_____

Email address

For State Use Only, review statement.

[1] This is a number, not a range of numbers. Example: 5 years or 6.7 years, not 'frequently' or 'every 5 to 7 years'

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Project Summary:

Project Number: Disaster #:

Program: Agency: CDM Smith

Analyst: Discount Rate: 0.070

Point of Contact: Phone Number:

Address: Fair Oaks Ranch, Texas

Email:

Comments:

Structure Summary For:

7738 Terra Mnr, 7738 Terra Mnr, Fair Oaks Ranch, Texas, 78015

Structure Type: Building Historic Building: No Contact:

Benefits: $1,051,115 Costs: $193,484 BCR: 5.43

Mitigation	Hazard	BCR	Benefits	Costs
Acquisition	Flood	5.43	$1,051,115	$193,484

7742 Terra Mnr, 7742 Terra Mnr, Fair Oaks Ranch, Texas, 78015

Structure Type: Building Historic Building: No Contact:

Benefits: $1,843,083 Costs: $211,910 BCR: 8.70

Mitigation	Hazard	BCR	Benefits	Costs
Acquisition	Flood	8.70	$1,843,083	$211,910

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

7746 Terra Mnr, 7746 Terra Mnr, Fair Oaks Ranch, Texas, 78015

Structure Type: Building Historic Building: No Contact:

Benefits: $1,693,072 Costs: $187,666 BCR: 9.02

Mitigation	Hazard	BCR	Benefits	Costs
Acquisition	Flood	9.02	$1,693,072	$187,666

7750 Terra Mnr, 7750 Terra Mnr, Fair Oaks Ranch, Texas, 78015

Structure Type: Building Historic Building: No Contact:

Benefits: $1,758,397 Costs: $225,705 BCR: 7.79

Mitigation	Hazard	BCR	Benefits	Costs
Acquisition	Flood	7.79	$1,758,397	$225,705

7754 Terra Mnr, 7754 Terra Mnr, Fair Oaks Ranch, Texas, 78015

Structure Type: Building Historic Building: No Contact:

Benefits: $1,476,602 Costs: $193,922 BCR: 7.61

Mitigation	Hazard	BCR	Benefits	Costs
Acquisition	Flood	7.61	$1,476,602	$193,922

7758 Terra Mnr, 7758 Terra Mnr, Fair Oaks Ranch, Texas, 78015

Structure Type: Building Historic Building: No Contact:

Benefits: $187,360 Costs: $173,679 BCR: 1.08

Mitigation	Hazard	BCR	Benefits	Costs
Acquisition	Flood	1.08	$187,360	$173,679

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Structure and Mitigation Details For: 7738 Terra Mnr, 7738 Terra Mnr, Fair Oaks Ranch, Texas, 78015

Benefits: $1,051,115 Costs: $193,484 BCR: 5.43

Hazard: **Flood**

Mitigation Option: Acquisition

Latitude:		Longitude:			
Size of Building:	2,185	BRV ($/sf):	$88.55	Total BRV:	$193,482
Residential:	Yes	Building Type:	Two or More Stories		
Obstruction:	N/A	Foundation Type:	Slab	Basement:	No
Building Primary Use:		Structure Type:		Historic Building:	No
Structure Elevation:	1,321.00	First Floor Being Raised:		Demolition Threshold:	50.00%
Source of Flood Data:	HH	Project in SFHA:	No	Community ID Number:	
Effective FIS Date:		FIRM Panel Number:		FIRM Effective Date:	
Project Useful Life:	100	H&H Study Title:	Fair Oaks Study	H&H Effective Date:	02/28/2018
Flood Zone:		Loss of Rent:	$0		
Building Contents:	$193,482 (Default)			Value of Crawlspace Contents:	$0
Ground Surface Elevation:				Flood Zone Determination:	
Breaking Wave Height:				Utilities that are not elevated:	No
Height FFE Above Grade:	1,321.00			One Time Displacement Costs:	$0
NFIP:	No			Displacement Costs:	$0 (Default)
ICC:	No			Current federal lodging per diem:	$91
				Population affected :	0
				Current federal meals per diem:	$51
				Cost per person to eat meals at home:	$7

Street Maintenance Details

Street maintenance budget ($)

Miles of street (miles)

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Length of road (miles)	
Total Reduced Street Maintenance Costs	$0.00

Volunteer Costs

Number of Volunteers Required:	0	Number of Hours Volunteered/Person:	0
Cost of Volunteers Time ($/Hour/Person):	$0.00	Number of Days Lodging/Volunteer:	0
Per-Person Cost of Lodging for a Volunteer:	$0.00	Cost of Volunteers:	$0.00

Social Benefits

Mental Stress and Anxiety

Number of Person:	0
Treatment Costs per person:	$2,443.00
Total Mental Stress and Anxiety Cost:	$0.00

Lost Productivity

Number of Worker:	0
Productivity Loss per person:	$8,736.00
Total Lost Productivity Cost:	$0.00

Riverine Elevation and Discharge Data

Streambed Elevation (ft):	1,320.5	Flood Profile Number:	
Flood Source Name:			
Elevation At Which Barrier Will Be Overtopped:			
FEMA Elevation Certificate Diagram Description:		Other Elevation Source:	

Recurrence Interval (yr)	Percent Annual Chance (%)	Elevation Before Mitigation (ft)	Discharge Before Mitigation (cfs)	Elevation After Mitigation (ft)	Discharge After Mitigation (cfs)
10	10.00%	1,321.81	126.7	1,321.81	126.7
25	4.00%	1,322.03	180.3	1,322.03	180.3
50	2.00%	1,322.28	258.5	1,322.28	258.5
100	1.00%	1,322.41	302.2	1,322.41	302.2

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Building	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	3.0%	0.0%	$5,804	0.0%	0.0%	$0
0.0	9.3%	0.0%	$17,994	0.0%	0.0%	$0
1.0	15.2%	0.0%	$29,409	0.0%	0.0%	$0
2.0	20.9%	0.0%		0.0%	0.0%	
3.0	26.3%	0.0%		0.0%	0.0%	
4.0	31.4%	0.0%		0.0%	0.0%	
5.0	36.2%	0.0%		0.0%	0.0%	
6.0	40.7%	0.0%		0.0%	0.0%	
7.0	44.9%	0.0%		0.0%	0.0%	
8.0	48.8%	0.0%		0.0%	0.0%	
9.0	52.4%	0.0%		0.0%	0.0%	
10.0	55.7%	0.0%		0.0%	0.0%	
11.0	58.7%	0.0%		0.0%	0.0%	
12.0	61.4%	0.0%		0.0%	0.0%	
13.0	63.8%	0.0%		0.0%	0.0%	
14.0	65.9%	0.0%		0.0%	0.0%	
15.0	67.7%	0.0%	$193,482	0.0%	0.0%	$0
16.0	69.2%	0.0%	$193,482	0.0%	0.0%	$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Contents	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	1.0%	0.0%	$1,935	0.0%	0.0%	$0
0.0	5.0%	0.0%	$9,674	0.0%	0.0%	$0
1.0	8.7%	0.0%	$16,833	0.0%	0.0%	$0
2.0	12.2%	0.0%	$23,605	0.0%	0.0%	$0
3.0	15.5%	0.0%	$29,990	0.0%	0.0%	$0
4.0	18.5%	0.0%	$35,794	0.0%	0.0%	$0
5.0	21.3%	0.0%	$41,212	0.0%	0.0%	$0
6.0	23.9%	0.0%	$46,242	0.0%	0.0%	$0
7.0	26.3%	0.0%	$50,886	0.0%	0.0%	$0
8.0	28.4%	0.0%	$54,949	0.0%	0.0%	$0
9.0	30.3%	0.0%	$58,625	0.0%	0.0%	$0
10.0	32.0%	0.0%	$61,914	0.0%	0.0%	$0
11.0	33.4%	0.0%	$64,623	0.0%	0.0%	$0
12.0	34.7%	0.0%	$67,138	0.0%	0.0%	$0
13.0	35.6%	0.0%	$68,880	0.0%	0.0%	$0
14.0	36.4%	0.0%	$70,427	0.0%	0.0%	$0
15.0	36.9%	0.0%	$71,395	0.0%	0.0%	$0
16.0	37.2%	0.0%	$71,975	0.0%	0.0%	$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Displacement	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Loss of Function	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	Before Mitigation (Days)	Before Mitigation User Entered (Days)	Before Mitigation ($)	After Mitigation (Days)	After Mitigation User Entered (Days)	After Mitigation ($)
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Environmental Benefits

Land Use

Total Project Area (Acres): 0.00000000

Parcel Type	% of Parcel Type Being Used	$/Acre/Year
	0%	$0

Other Benefits

Other Benefits Before Mitigation

No Data

Other Benefits After Mitigation

No Data

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

BCR Calculation Results

Expected Annual Damages Before Mitigation		Expected Annual Damages After Mitigation		Expected Avoided Damages After Mitigation (Benefits)	
Annual:	$73,663	Annual:	$0	Annual:	$73,663
Present Value:	$1,051,115	Present Value:	$0	Present Value:	$1,051,115

Mitigation Benefits:	$1,051,115	Mitigation Costs:	$193,484
Benefits Minus Costs:	$857,631	Benefit-Cost Ratio:	5.43

Cost Estimate

Project Useful Life (years):	100	Construction Type:	
Mitigation Project Cost:	$193,484	Detailed Scope of Work:	Yes
Annual Project Maintenance Cost:	$0	Detailed Estimate for Entire Project:	Yes
Final Mitigation Project Cost:	$193,484	Years of Maintenance:	100
Cost Basis Year:		Present Worth of Annual Maintenance Costs:	$0
Construction Start Year:		Estimate Reflects Current Prices:	Yes
Construction End Year:		Project Escalation:	

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Justification/Attachments

Field	Description	Attachments

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Structure and Mitigation Details For: 7742 Terra Mnr, 7742 Terra Mnr, Fair Oaks Ranch, Texas, 78015

Benefits: $1,843,083 Costs: $211,910 BCR: 8.70

Hazard: **Flood**

Mitigation Option: Acquisition

Latitude:		Longitude:			
Size of Building:	2,529	BRV ($/sf):	$83.79	Total BRV:	$211,905
Residential:	Yes	Building Type:	Two or More Stories		
Obstruction:	N/A	Foundation Type:	Slab	Basement:	No
Building Primary Use:		Structure Type:		Historic Building:	No
Structure Elevation:	1,321.50	First Floor Being Raised:		Demolition Threshold:	50.00%
Source of Flood Data:	HH	Project in SFHA:	No	Community ID Number:	
Effective FIS Date:		FIRM Panel Number:		FIRM Effective Date:	
Project Useful Life:	100	H&H Study Title:	Fair Oaks Study	H&H Effective Date:	02/28/2018
Flood Zone:		Loss of Rent:	$0		
Building Contents:	$211,905 (Default)			Value of Crawlspace Contents:	$0
Ground Surface Elevation:				Flood Zone Determination:	
Breaking Wave Height:				Utilities that are not elevated:	No
Height FFE Above Grade:	1,321.50			One Time Displacement Costs:	$0
NFIP:	No			Displacement Costs:	$0 (Default)
ICC:	No			Current federal lodging per diem:	$91
				Population affected :	0
				Current federal meals per diem:	$51
				Cost per person to eat meals at home:	$7

Street Maintenance Details

Street maintenance budget ($)

Miles of street (miles)

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Length of road (miles)	
Total Reduced Street Maintenance Costs	$0.00

Volunteer Costs

Number of Volunteers Required:		Number of Hours Volunteered/Person:	
Cost of Volunteers Time ($/Hour/Person):		Number of Days Lodging/Volunteer:	
Per-Person Cost of Lodging for a Volunteer:		Cost of Volunteers:	

Social Benefits

Mental Stress and Anxiety

Number of Person:	
Treatment Costs per person:	$2,443.00
Total Mental Stress and Anxiety Cost:	$0.00

Lost Productivity

Number of Worker:	
Productivity Loss per person:	$8,736.00
Total Lost Productivity Cost:	$0.00

Riverine Elevation and Discharge Data

Streambed Elevation (ft):	1,322.0	Flood Profile Number:	
Flood Source Name:			
Elevation At Which Barrier Will Be Overtopped:			
FEMA Elevation Certificate Diagram Description:		Other Elevation Source:	

Recurrence Interval (yr)	Percent Annual Chance (%)	Elevation Before Mitigation (ft)	Discharge Before Mitigation (cfs)	Elevation After Mitigation (ft)	Discharge After Mitigation (cfs)
10	10.00%	1,323.01	126.7	1,323.01	126.7
25	4.00%	1,323.18	180.3	1,323.18	180.3
50	2.00%	1,323.39	258.5	1,323.39	258.5
100	1.00%	1,323.50	302.2	1,323.50	302.2

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Building	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	3.0%	0.0%	$6,357	0.0%	0.0%	$0
0.0	9.3%	0.0%	$19,707	0.0%	0.0%	$0
1.0	15.2%	0.0%	$32,210	0.0%	0.0%	$0
2.0	20.9%	0.0%		0.0%	0.0%	
3.0	26.3%	0.0%		0.0%	0.0%	
4.0	31.4%	0.0%		0.0%	0.0%	
5.0	36.2%	0.0%		0.0%	0.0%	
6.0	40.7%	0.0%		0.0%	0.0%	
7.0	44.9%	0.0%		0.0%	0.0%	
8.0	48.8%	0.0%		0.0%	0.0%	
9.0	52.4%	0.0%		0.0%	0.0%	
10.0	55.7%	0.0%		0.0%	0.0%	
11.0	58.7%	0.0%		0.0%	0.0%	
12.0	61.4%	0.0%		0.0%	0.0%	
13.0	63.8%	0.0%		0.0%	0.0%	
14.0	65.9%	0.0%		0.0%	0.0%	
15.0	67.7%	0.0%	$211,905	0.0%	0.0%	$0
16.0	69.2%	0.0%	$211,905	0.0%	0.0%	$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Contents	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	1.0%	0.0%	$2,119	0.0%	0.0%	$0
0.0	5.0%	0.0%	$10,595	0.0%	0.0%	$0
1.0	8.7%	0.0%	$18,436	0.0%	0.0%	$0
2.0	12.2%	0.0%	$25,852	0.0%	0.0%	$0
3.0	15.5%	0.0%	$32,845	0.0%	0.0%	$0
4.0	18.5%	0.0%	$39,202	0.0%	0.0%	$0
5.0	21.3%	0.0%	$45,136	0.0%	0.0%	$0
6.0	23.9%	0.0%	$50,645	0.0%	0.0%	$0
7.0	26.3%	0.0%	$55,731	0.0%	0.0%	$0
8.0	28.4%	0.0%	$60,181	0.0%	0.0%	$0
9.0	30.3%	0.0%	$64,207	0.0%	0.0%	$0
10.0	32.0%	0.0%	$67,810	0.0%	0.0%	$0
11.0	33.4%	0.0%	$70,776	0.0%	0.0%	$0
12.0	34.7%	0.0%	$73,531	0.0%	0.0%	$0
13.0	35.6%	0.0%	$75,438	0.0%	0.0%	$0
14.0	36.4%	0.0%	$77,133	0.0%	0.0%	$0
15.0	36.9%	0.0%	$78,193	0.0%	0.0%	$0
16.0	37.2%	0.0%	$78,829	0.0%	0.0%	$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Displacement	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Loss of Function	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Environmental Benefits

Land Use

Total Project Area (Acres):

Parcel Type	% of Parcel Type Being Used	$/Acre/Year
	%	

Other Benefits

Other Benefits Before Mitigation

No Data

Other Benefits After Mitigation

No Data

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

BCR Calculation Results

Expected Annual Damages Before Mitigation		Expected Annual Damages After Mitigation		Expected Avoided Damages After Mitigation (Benefits)	
Annual:	$129,165	Annual:	$0	Annual:	$129,165
Present Value:	$1,843,083	Present Value:	$0	Present Value:	$1,843,083

Mitigation Benefits:	$1,843,083	Mitigation Costs:	$211,910
Benefits Minus Costs:	$1,631,173	Benefit-Cost Ratio:	8.70

Cost Estimate

Project Useful Life (years):	100	Construction Type:	
Mitigation Project Cost:	$211,910	Detailed Scope of Work:	Yes
Annual Project Maintenance Cost:	$0	Detailed Estimate for Entire Project:	Yes
Final Mitigation Project Cost:	$211,910	Years of Maintenance:	100
Cost Basis Year:		Present Worth of Annual Maintenance Costs:	$0
Construction Start Year:		Estimate Reflects Current Prices:	Yes
Construction End Year:		Project Escalation:	

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Justification/Attachments

Field	Description	Attachments

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Structure and Mitigation Details For: 7746 Terra Mnr, 7746 Terra Mnr, Fair Oaks Ranch, Texas, 78015

Benefits: $1,693,072 Costs: $187,666 BCR: 9.02

Hazard: **Flood**

Mitigation Option: Acquisition

Latitude:		Longitude:			
Size of Building:	2,082	BRV ($/sf):	$90.14	Total BRV:	$187,671
Residential:	Yes	Building Type:	Two or More Stories		
Obstruction:	N/A	Foundation Type:	Slab	Basement:	No
Building Primary Use:		Structure Type:		Historic Building:	No
Structure Elevation:	1,322.50	First Floor Being Raised:		Demolition Threshold:	50.00%
Source of Flood Data:	HH	Project in SFHA:	No	Community ID Number:	
Effective FIS Date:		FIRM Panel Number:		FIRM Effective Date:	
Project Useful Life:	100	H&H Study Title:	Fair Oaks Study	H&H Effective Date:	02/28/2018
Flood Zone:		Loss of Rent:	$0		
Building Contents:	$187,671 (Default)			Value of Crawlspace Contents:	$0
Ground Surface Elevation:				Flood Zone Determination:	
Breaking Wave Height:				Utilities that are not elevated:	No
Height FFE Above Grade:	1,322.50			One Time Displacement Costs:	$0
NFIP:	No			Displacement Costs:	$0 (Default)
ICC:	No			Current federal lodging per diem:	$91
				Population affected :	0
				Current federal meals per diem:	$51
				Cost per person to eat meals at home:	$7

Street Maintenance Details

Street maintenance budget ($)

Miles of street (miles)

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Length of road (miles)

Total Reduced Street Maintenance Costs $0.00

Volunteer Costs

Number of Volunteers Required: Number of Hours Volunteered/Person:

Cost of Volunteers Time ($/Hour/Person): Number of Days Lodging/Volunteer:

Per-Person Cost of Lodging for a Volunteer: Cost of Volunteers:

Social Benefits

Mental Stress and Anxiety

Number of Person:

Treatment Costs per person: $2,443.00

Total Mental Stress and Anxiety Cost: $0.00

Lost Productivity

Number of Worker:

Productivity Loss per person: $8,736.00

Total Lost Productivity Cost: $0.00

Riverine Elevation and Discharge Data

Streambed Elevation (ft): 1,323.3 Flood Profile Number:

Flood Source Name:

Elevation At Which Barrier Will Be Overtopped:

FEMA Elevation Certificate Diagram Description: Other Elevation Source:

Recurrence Interval (yr)	Percent Annual Chance (%)	Elevation Before Mitigation (ft)	Discharge Before Mitigation (cfs)	Elevation After Mitigation (ft)	Discharge After Mitigation (cfs)
10	10.00%	1,324.05	126.7	1,324.05	126.7
25	4.00%	1,324.19	180.3	1,324.19	180.3
50	2.00%	1,324.36	258.5	1,324.36	258.5
100	1.00%	1,324.45	302.2	1,324.45	302.2

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Building	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	3.0%	0.0%	$5,630	0.0%	0.0%	$0
0.0	9.3%	0.0%	$17,453	0.0%	0.0%	$0
1.0	15.2%	0.0%	$28,526	0.0%	0.0%	$0
2.0	20.9%	0.0%		0.0%	0.0%	
3.0	26.3%	0.0%		0.0%	0.0%	
4.0	31.4%	0.0%		0.0%	0.0%	
5.0	36.2%	0.0%		0.0%	0.0%	
6.0	40.7%	0.0%		0.0%	0.0%	
7.0	44.9%	0.0%		0.0%	0.0%	
8.0	48.8%	0.0%		0.0%	0.0%	
9.0	52.4%	0.0%		0.0%	0.0%	
10.0	55.7%	0.0%		0.0%	0.0%	
11.0	58.7%	0.0%		0.0%	0.0%	
12.0	61.4%	0.0%		0.0%	0.0%	
13.0	63.8%	0.0%		0.0%	0.0%	
14.0	65.9%	0.0%		0.0%	0.0%	
15.0	67.7%	0.0%	$187,671	0.0%	0.0%	$0
16.0	69.2%	0.0%	$187,671	0.0%	0.0%	$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Contents	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	1.0%	0.0%	$1,877	0.0%	0.0%	$0
0.0	5.0%	0.0%	$9,384	0.0%	0.0%	$0
1.0	8.7%	0.0%	$16,327	0.0%	0.0%	$0
2.0	12.2%	0.0%	$22,896	0.0%	0.0%	$0
3.0	15.5%	0.0%	$29,089	0.0%	0.0%	$0
4.0	18.5%	0.0%	$34,719	0.0%	0.0%	$0
5.0	21.3%	0.0%	$39,974	0.0%	0.0%	$0
6.0	23.9%	0.0%	$44,853	0.0%	0.0%	$0
7.0	26.3%	0.0%	$49,358	0.0%	0.0%	$0
8.0	28.4%	0.0%	$53,299	0.0%	0.0%	$0
9.0	30.3%	0.0%	$56,864	0.0%	0.0%	$0
10.0	32.0%	0.0%	$60,055	0.0%	0.0%	$0
11.0	33.4%	0.0%	$62,682	0.0%	0.0%	$0
12.0	34.7%	0.0%	$65,122	0.0%	0.0%	$0
13.0	35.6%	0.0%	$66,811	0.0%	0.0%	$0
14.0	36.4%	0.0%	$68,312	0.0%	0.0%	$0
15.0	36.9%	0.0%	$69,251	0.0%	0.0%	$0
16.0	37.2%	0.0%	$69,814	0.0%	0.0%	$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Displacement	**Before Mitigation Values:**			**After Mitigation Values:**		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Loss of Function	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Environmental Benefits

Land Use

Total Project Area (Acres):

Parcel Type	% of Parcel Type Being Used	$/Acre/Year
	%	

Other Benefits

Other Benefits Before Mitigation

No Data

Other Benefits After Mitigation

No Data

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

BCR Calculation Results

Expected Annual Damages Before Mitigation		Expected Annual Damages After Mitigation		Expected Avoided Damages After Mitigation (Benefits)	
Annual:	$118,652	Annual:	$0	Annual:	$118,652
Present Value:	$1,693,072	Present Value:	$0	Present Value:	$1,693,072

Mitigation Benefits:	$1,693,072	Mitigation Costs:	$187,666
Benefits Minus Costs:	$1,505,406	Benefit-Cost Ratio:	9.02

Cost Estimate

Project Useful Life (years):	100	Construction Type:	
Mitigation Project Cost:	$187,666	Detailed Scope of Work:	Yes
Annual Project Maintenance Cost:	$0	Detailed Estimate for Entire Project:	Yes
Final Mitigation Project Cost:	$187,666	Years of Maintenance:	100
Cost Basis Year:		Present Worth of Annual Maintenance Costs:	$0
Construction Start Year:		Estimate Reflects Current Prices:	Yes
Construction End Year:		Project Escalation:	

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Justification/Attachments

Field	Description	Attachments

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Structure and Mitigation Details For: 7750 Terra Mnr, 7750 Terra Mnr, Fair Oaks Ranch, Texas, 78015

Benefits: $1,758,397 Costs: $225,705 BCR: 7.79

Hazard: **Flood**

Mitigation Option: Acquisition

Latitude:		Longitude:			
Size of Building:	2,792	BRV ($/sf):	$80.84	Total BRV:	$225,705
Residential:	Yes	Building Type:	Two or More Stories		
Obstruction:	N/A	Foundation Type:	Slab	Basement:	No
Building Primary Use:		Structure Type:		Historic Building:	No
Structure Elevation:	1,324.00	First Floor Being Raised:		Demolition Threshold:	50.00%
Source of Flood Data:	HH	Project in SFHA:	No	Community ID Number:	
Effective FIS Date:		FIRM Panel Number:		FIRM Effective Date:	
Project Useful Life:	100	H&H Study Title:	Fair Oaks Study	H&H Effective Date:	02/28/2018
Flood Zone:		Loss of Rent:	$0		
Building Contents:	$225,705 (Default)			Value of Crawlspace Contents:	$0
Ground Surface Elevation:				Flood Zone Determination:	
Breaking Wave Height:				Utilities that are not elevated:	No
Height FFE Above Grade:	1,324.00			One Time Displacement Costs:	$0
NFIP:	No			Displacement Costs:	$0 (Default)
ICC:	No			Current federal lodging per diem:	$91
				Population affected :	0
				Current federal meals per diem:	$51
				Cost per person to eat meals at home:	$7

Street Maintenance Details

Street maintenance budget ($)

Miles of street (miles)

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Length of road (miles)	
Total Reduced Street Maintenance Costs	$0.00

Volunteer Costs

Number of Volunteers Required:		Number of Hours Volunteered/Person:	
Cost of Volunteers Time ($/Hour/Person):		Number of Days Lodging/Volunteer:	
Per-Person Cost of Lodging for a Volunteer:		Cost of Volunteers:	

Social Benefits

Mental Stress and Anxiety

Number of Person:	
Treatment Costs per person:	$2,443.00
Total Mental Stress and Anxiety Cost:	$0.00

Lost Productivity

Number of Worker:	
Productivity Loss per person:	$8,736.00
Total Lost Productivity Cost:	$0.00

Riverine Elevation and Discharge Data

Streambed Elevation (ft):	1,324.4	Flood Profile Number:	
Flood Source Name:			
Elevation At Which Barrier Will Be Overtopped:			
FEMA Elevation Certificate Diagram Description:		Other Elevation Source:	

Recurrence Interval (yr)	Percent Annual Chance (%)	Elevation Before Mitigation (ft)	Discharge Before Mitigation (cfs)	Elevation After Mitigation (ft)	Discharge After Mitigation (cfs)
10	10.00%	1,324.94	128.6	1,324.94	128.6
25	4.00%	1,325.05	182.7	1,325.05	182.7
50	2.00%	1,325.19	261.0	1,325.19	261.0
100	1.00%	1,325.26	303.9	1,325.26	303.9

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Building	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	3.0%	0.0%	$6,771	0.0%	0.0%	$0
0.0	9.3%	0.0%	$20,991	0.0%	0.0%	$0
1.0	15.2%	0.0%	$34,307	0.0%	0.0%	$0
2.0	20.9%	0.0%		0.0%	0.0%	
3.0	26.3%	0.0%		0.0%	0.0%	
4.0	31.4%	0.0%		0.0%	0.0%	
5.0	36.2%	0.0%		0.0%	0.0%	
6.0	40.7%	0.0%		0.0%	0.0%	
7.0	44.9%	0.0%		0.0%	0.0%	
8.0	48.8%	0.0%		0.0%	0.0%	
9.0	52.4%	0.0%		0.0%	0.0%	
10.0	55.7%	0.0%		0.0%	0.0%	
11.0	58.7%	0.0%		0.0%	0.0%	
12.0	61.4%	0.0%		0.0%	0.0%	
13.0	63.8%	0.0%		0.0%	0.0%	
14.0	65.9%	0.0%		0.0%	0.0%	
15.0	67.7%	0.0%	$225,705	0.0%	0.0%	$0
16.0	69.2%	0.0%	$225,705	0.0%	0.0%	$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Contents	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	1.0%	0.0%	$2,257	0.0%	0.0%	$0
0.0	5.0%	0.0%	$11,285	0.0%	0.0%	$0
1.0	8.7%	0.0%	$19,636	0.0%	0.0%	$0
2.0	12.2%	0.0%	$27,536	0.0%	0.0%	$0
3.0	15.5%	0.0%	$34,984	0.0%	0.0%	$0
4.0	18.5%	0.0%	$41,755	0.0%	0.0%	$0
5.0	21.3%	0.0%	$48,075	0.0%	0.0%	$0
6.0	23.9%	0.0%	$53,944	0.0%	0.0%	$0
7.0	26.3%	0.0%	$59,360	0.0%	0.0%	$0
8.0	28.4%	0.0%	$64,100	0.0%	0.0%	$0
9.0	30.3%	0.0%	$68,389	0.0%	0.0%	$0
10.0	32.0%	0.0%	$72,226	0.0%	0.0%	$0
11.0	33.4%	0.0%	$75,386	0.0%	0.0%	$0
12.0	34.7%	0.0%	$78,320	0.0%	0.0%	$0
13.0	35.6%	0.0%	$80,351	0.0%	0.0%	$0
14.0	36.4%	0.0%	$82,157	0.0%	0.0%	$0
15.0	36.9%	0.0%	$83,285	0.0%	0.0%	$0
16.0	37.2%	0.0%	$83,962	0.0%	0.0%	$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Displacement	**Before Mitigation Values:**			**After Mitigation Values:**		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Loss of Function	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Environmental Benefits

Land Use

Total Project Area (Acres):

Parcel Type	% of Parcel Type Being Used	$/Acre/Year
	%	

Other Benefits

Other Benefits Before Mitigation

No Data

Other Benefits After Mitigation

No Data

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

BCR Calculation Results

Expected Annual Damages Before Mitigation		Expected Annual Damages After Mitigation		Expected Avoided Damages After Mitigation (Benefits)	
Annual:	$123,230	Annual:	$0	Annual:	$123,230
Present Value:	$1,758,397	Present Value:	$0	Present Value:	$1,758,397

Mitigation Benefits:	$1,758,397	Mitigation Costs:	$225,705
Benefits Minus Costs:	$1,532,692	Benefit-Cost Ratio:	7.79

Cost Estimate

Project Useful Life (years):	100	Construction Type:	
Mitigation Project Cost:	$225,705	Detailed Scope of Work:	Yes
Annual Project Maintenance Cost:	$0	Detailed Estimate for Entire Project:	Yes
Final Mitigation Project Cost:	$225,705	Years of Maintenance:	100
Cost Basis Year:		Present Worth of Annual Maintenance Costs:	$0
Construction Start Year:		Estimate Reflects Current Prices:	Yes
Construction End Year:		Project Escalation:	

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Justification/Attachments

Field	Description	Attachments

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Structure and Mitigation Details For: 7754 Terra Mnr, 7754 Terra Mnr, Fair Oaks Ranch, Texas, 78015

Benefits: $1,476,602 Costs: $193,922 BCR: 7.61

Hazard: **Flood**

Mitigation Option: Acquisition

Latitude:		Longitude:			
Size of Building:	2,193	BRV ($/sf):	$88.43	Total BRV:	$193,927
Residential:	Yes	Building Type:	Two or More Stories		
Obstruction:	N/A	Foundation Type:	Slab	Basement:	No
Building Primary Use:		Structure Type:		Historic Building:	No
Structure Elevation:	1,325.50	First Floor Being Raised:		Demolition Threshold:	50.00%
Source of Flood Data:	HH	Project in SFHA:	No	Community ID Number:	
Effective FIS Date:		FIRM Panel Number:		FIRM Effective Date:	
Project Useful Life:	100	H&H Study Title:	Fair Oaks Study	H&H Effective Date:	02/28/2018
Flood Zone:		Loss of Rent:	$0		
Building Contents:	$193,927 (Default)			Value of Crawlspace Contents:	$0
Ground Surface Elevation:				Flood Zone Determination:	
Breaking Wave Height:				Utilities that are not elevated:	No
Height FFE Above Grade:	1,325.50			One Time Displacement Costs:	$0
NFIP:	No			Displacement Costs:	$0 (Default)
ICC:	No			Current federal lodging per diem:	$91
				Population affected :	0
				Current federal meals per diem:	$51
				Cost per person to eat meals at home:	$7

Street Maintenance Details

Street maintenance budget ($)

Miles of street (miles)

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Length of road (miles)	
Total Reduced Street Maintenance Costs	$0.00

Volunteer Costs

Number of Volunteers Required:		Number of Hours Volunteered/Person:	
Cost of Volunteers Time ($/Hour/Person):		Number of Days Lodging/Volunteer:	
Per-Person Cost of Lodging for a Volunteer:		Cost of Volunteers:	

Social Benefits

Mental Stress and Anxiety

Number of Person:	
Treatment Costs per person:	$2,443.00
Total Mental Stress and Anxiety Cost:	$0.00

Lost Productivity

Number of Worker:	
Productivity Loss per person:	$8,736.00
Total Lost Productivity Cost:	$0.00

Riverine Elevation and Discharge Data

Streambed Elevation (ft):	1,325.6	Flood Profile Number:	
Flood Source Name:			
Elevation At Which Barrier Will Be Overtopped:			
FEMA Elevation Certificate Diagram Description:		Other Elevation Source:	

Recurrence Interval (yr)	Percent Annual Chance (%)	Elevation Before Mitigation (ft)	Discharge Before Mitigation (cfs)	Elevation After Mitigation (ft)	Discharge After Mitigation (cfs)
10	10.00%	1,326.51	128.6	1,326.51	128.6
25	4.00%	1,326.67	182.7	1,326.67	182.7
50	2.00%	1,326.85	261.0	1,326.85	261.0
100	1.00%	1,326.94	303.9	1,326.94	303.9

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Building	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	3.0%	0.0%	$5,818	0.0%	0.0%	$0
0.0	9.3%	0.0%	$18,035	0.0%	0.0%	$0
1.0	15.2%	0.0%	$29,477	0.0%	0.0%	$0
2.0	20.9%	0.0%		0.0%	0.0%	
3.0	26.3%	0.0%		0.0%	0.0%	
4.0	31.4%	0.0%		0.0%	0.0%	
5.0	36.2%	0.0%		0.0%	0.0%	
6.0	40.7%	0.0%		0.0%	0.0%	
7.0	44.9%	0.0%		0.0%	0.0%	
8.0	48.8%	0.0%		0.0%	0.0%	
9.0	52.4%	0.0%		0.0%	0.0%	
10.0	55.7%	0.0%		0.0%	0.0%	
11.0	58.7%	0.0%		0.0%	0.0%	
12.0	61.4%	0.0%		0.0%	0.0%	
13.0	63.8%	0.0%		0.0%	0.0%	
14.0	65.9%	0.0%		0.0%	0.0%	
15.0	67.7%	0.0%	$193,927	0.0%	0.0%	$0
16.0	69.2%	0.0%	$193,927	0.0%	0.0%	$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Contents	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	1.0%	0.0%	$1,939	0.0%	0.0%	$0
0.0	5.0%	0.0%	$9,696	0.0%	0.0%	$0
1.0	8.7%	0.0%	$16,872	0.0%	0.0%	$0
2.0	12.2%	0.0%	$23,659	0.0%	0.0%	$0
3.0	15.5%	0.0%	$30,059	0.0%	0.0%	$0
4.0	18.5%	0.0%	$35,876	0.0%	0.0%	$0
5.0	21.3%	0.0%	$41,306	0.0%	0.0%	$0
6.0	23.9%	0.0%	$46,349	0.0%	0.0%	$0
7.0	26.3%	0.0%	$51,003	0.0%	0.0%	$0
8.0	28.4%	0.0%	$55,075	0.0%	0.0%	$0
9.0	30.3%	0.0%	$58,760	0.0%	0.0%	$0
10.0	32.0%	0.0%	$62,057	0.0%	0.0%	$0
11.0	33.4%	0.0%	$64,772	0.0%	0.0%	$0
12.0	34.7%	0.0%	$67,293	0.0%	0.0%	$0
13.0	35.6%	0.0%	$69,038	0.0%	0.0%	$0
14.0	36.4%	0.0%	$70,589	0.0%	0.0%	$0
15.0	36.9%	0.0%	$71,559	0.0%	0.0%	$0
16.0	37.2%	0.0%	$72,141	0.0%	0.0%	$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Displacement	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Loss of Function	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Environmental Benefits

Land Use

Total Project Area (Acres):

Parcel Type	% of Parcel Type Being Used	$/Acre/Year
	%	

Other Benefits

Other Benefits Before Mitigation

No Data

Other Benefits After Mitigation

No Data

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

BCR Calculation Results

Expected Annual Damages Before Mitigation		Expected Annual Damages After Mitigation		Expected Avoided Damages After Mitigation (Benefits)	
Annual:	$103,481	Annual:	$0	Annual:	$103,481
Present Value:	$1,476,602	Present Value:	$0	Present Value:	$1,476,602

Mitigation Benefits:	$1,476,602	Mitigation Costs:	$193,922
Benefits Minus Costs:	$1,282,680	Benefit-Cost Ratio:	7.61

Cost Estimate

Project Useful Life (years):	100	Construction Type:	
Mitigation Project Cost:	$193,922	Detailed Scope of Work:	Yes
Annual Project Maintenance Cost:	$0	Detailed Estimate for Entire Project:	Yes
Final Mitigation Project Cost:	$193,922	Years of Maintenance:	100
Cost Basis Year:		Present Worth of Annual Maintenance Costs:	$0
Construction Start Year:		Estimate Reflects Current Prices:	Yes
Construction End Year:		Project Escalation:	

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Justification/Attachments

Field	Description	Attachments

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Structure and Mitigation Details For: 7758 Terra Mnr, 7758 Terra Mnr, Fair Oaks Ranch, Texas, 78015

Benefits: $187,360 Costs: $173,679 BCR: 1.08

Hazard: **Flood**

Mitigation Option: Acquisition

Latitude:		Longitude:			
Size of Building:	1,854	BRV ($/sf):	$93.68	Total BRV:	$173,683
Residential:	Yes	Building Type:	Two or More Stories		
Obstruction:	N/A	Foundation Type:	Slab	Basement:	No
Building Primary Use:		Structure Type:		Historic Building:	No
Structure Elevation:	1,328.00	First Floor Being Raised:		Demolition Threshold:	50.00%
Source of Flood Data:	HH	Project in SFHA:	No	Community ID Number:	
Effective FIS Date:		FIRM Panel Number:		FIRM Effective Date:	
Project Useful Life:	100	H&H Study Title:	Fair Oaks Study	H&H Effective Date:	02/28/2018
Flood Zone:		Loss of Rent:	$0		
Building Contents:	$173,683 (Default)			Value of Crawlspace Contents:	$0
Ground Surface Elevation:				Flood Zone Determination:	
Breaking Wave Height:				Utilities that are not elevated:	No
Height FFE Above Grade:	1,328.00			One Time Displacement Costs:	$0
NFIP:	No			Displacement Costs:	$0 (Default)
ICC:	No			Current federal lodging per diem:	$91
				Population affected :	0
				Current federal meals per diem:	$51
				Cost per person to eat meals at home:	$7

Street Maintenance Details

Street maintenance budget ($)

Miles of street (miles)

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Length of road (miles)

Total Reduced Street Maintenance Costs $0.00

Volunteer Costs

Number of Volunteers Required: Number of Hours Volunteered/Person:

Cost of Volunteers Time ($/Hour/Person): Number of Days Lodging/Volunteer:

Per-Person Cost of Lodging for a Volunteer: Cost of Volunteers:

Social Benefits

Mental Stress and Anxiety

Number of Person:

Treatment Costs per person: $2,443.00

Total Mental Stress and Anxiety Cost: $0.00

Lost Productivity

Number of Worker:

Productivity Loss per person: $8,736.00

Total Lost Productivity Cost: $0.00

Riverine Elevation and Discharge Data

Streambed Elevation (ft): 1,326.5 Flood Profile Number:

Flood Source Name:

Elevation At Which Barrier Will Be Overtopped:

FEMA Elevation Certificate Diagram Description: Other Elevation Source:

Recurrence Interval (yr)	Percent Annual Chance (%)	Elevation Before Mitigation (ft)	Discharge Before Mitigation (cfs)	Elevation After Mitigation (ft)	Discharge After Mitigation (cfs)
10	10.00%	1,327.74	128.6	1,327.74	128.6
25	4.00%	1,327.93	182.7	1,327.93	182.7
50	2.00%	1,328.14	261.0	1,328.14	261.0
100	1.00%	1,328.25	303.9	1,328.25	303.9

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Building	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	3.0%	0.0%	$5,210	0.0%	0.0%	$0
0.0	9.3%	0.0%	$16,152	0.0%	0.0%	$0
1.0	15.2%	0.0%	$26,400	0.0%	0.0%	$0
2.0	20.9%	0.0%		0.0%	0.0%	
3.0	26.3%	0.0%		0.0%	0.0%	
4.0	31.4%	0.0%		0.0%	0.0%	
5.0	36.2%	0.0%		0.0%	0.0%	
6.0	40.7%	0.0%		0.0%	0.0%	
7.0	44.9%	0.0%		0.0%	0.0%	
8.0	48.8%	0.0%		0.0%	0.0%	
9.0	52.4%	0.0%		0.0%	0.0%	
10.0	55.7%	0.0%		0.0%	0.0%	
11.0	58.7%	0.0%		0.0%	0.0%	
12.0	61.4%	0.0%		0.0%	0.0%	
13.0	63.8%	0.0%		0.0%	0.0%	
14.0	65.9%	0.0%		0.0%	0.0%	
15.0	67.7%	0.0%	$173,683	0.0%	0.0%	$0
16.0	69.2%	0.0%	$173,683	0.0%	0.0%	$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Contents	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (pct)**	**Before Mitigation User Entered (pct)**	**Before Mitigation ($)**	**After Mitigation (pct)**	**After Mitigation User Entered (pct)**	**After Mitigation ($)**
-2.0	0.0%	0.0%	$0	0.0%	0.0%	$0
-1.0	1.0%	0.0%	$1,737	0.0%	0.0%	$0
0.0	5.0%	0.0%	$8,684	0.0%	0.0%	$0
1.0	8.7%	0.0%	$15,110	0.0%	0.0%	$0
2.0	12.2%	0.0%	$21,189	0.0%	0.0%	$0
3.0	15.5%	0.0%	$26,921	0.0%	0.0%	$0
4.0	18.5%	0.0%	$32,131	0.0%	0.0%	$0
5.0	21.3%	0.0%	$36,994	0.0%	0.0%	$0
6.0	23.9%	0.0%	$41,510	0.0%	0.0%	$0
7.0	26.3%	0.0%	$45,679	0.0%	0.0%	$0
8.0	28.4%	0.0%	$49,326	0.0%	0.0%	$0
9.0	30.3%	0.0%	$52,626	0.0%	0.0%	$0
10.0	32.0%	0.0%	$55,578	0.0%	0.0%	$0
11.0	33.4%	0.0%	$58,010	0.0%	0.0%	$0
12.0	34.7%	0.0%	$60,268	0.0%	0.0%	$0
13.0	35.6%	0.0%	$61,831	0.0%	0.0%	$0
14.0	36.4%	0.0%	$63,221	0.0%	0.0%	$0
15.0	36.9%	0.0%	$64,089	0.0%	0.0%	$0
16.0	37.2%	0.0%	$64,610	0.0%	0.0%	$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Displacement	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Depth-Damage Functions Using USACE Generic

Loss of Function	Before Mitigation Values:			After Mitigation Values:		
Flood Depth (ft)	**Before Mitigation (Days)**	**Before Mitigation User Entered (Days)**	**Before Mitigation ($)**	**After Mitigation (Days)**	**After Mitigation User Entered (Days)**	**After Mitigation ($)**
-2.0	0.0		$0	0.0		$0
-1.0	0.0		$0	0.0		$0
0.0	0.0		$0	0.0		$0
1.0	45.0		$0	0.0		$0
2.0	90.0		$0	0.0		$0
3.0	135.0		$0	0.0		$0
4.0	180.0		$0	0.0		$0
5.0	225.0		$0	0.0		$0
6.0	270.0		$0	0.0		$0
7.0	315.0		$0	0.0		$0
8.0	360.0		$0	0.0		$0
9.0	405.0		$0	0.0		$0
10.0	450.0		$0	0.0		$0
11.0	495.0		$0	0.0		$0
12.0	540.0		$0	0.0		$0
13.0	585.0		$0	0.0		$0
14.0	630.0		$0	0.0		$0
15.0	675.0		$0	0.0		$0
16.0	720.0		$0	0.0		$0

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

Environmental Benefits

Land Use

Total Project Area (Acres):

Parcel Type	% of Parcel Type Being Used	$/Acre/Year
	%	

Other Benefits

Other Benefits Before Mitigation

No Data

Other Benefits After Mitigation

No Data

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

BCR Calculation Results

Expected Annual Damages Before Mitigation		Expected Annual Damages After Mitigation		Expected Avoided Damages After Mitigation (Benefits)	
Annual:	$13,130	Annual:	$0	Annual:	$13,130
Present Value:	$187,360	Present Value:	$0	Present Value:	$187,360

Mitigation Benefits:	$187,360	Mitigation Costs:	$173,679
Benefits Minus Costs:	$13,681	Benefit-Cost Ratio:	1.08

Cost Estimate

Project Useful Life (years):	100	Construction Type:	
Mitigation Project Cost:	$173,679	Detailed Scope of Work:	Yes
Annual Project Maintenance Cost:	$0	Detailed Estimate for Entire Project:	Yes
Final Mitigation Project Cost:	$173,679	Years of Maintenance:	100
Cost Basis Year:		Present Worth of Annual Maintenance Costs:	$0
Construction Start Year:		Estimate Reflects Current Prices:	Yes
Construction End Year:		Project Escalation:	

Total Benefits: **$8,009,629** Total Costs: **$1,186,366** BCR: **6.75**

Project Number: Disaster #: Program: Agency: **CDM Smith**

State: **Texas** Point of Contact: Analyst:

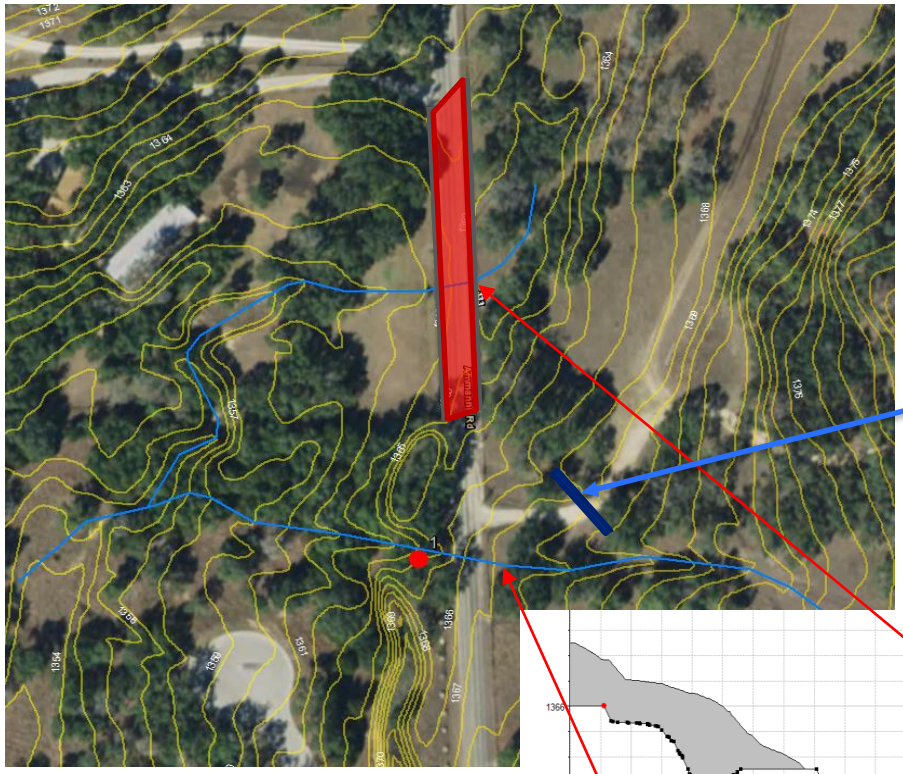
Justification/Attachments

Field	Description	Attachments

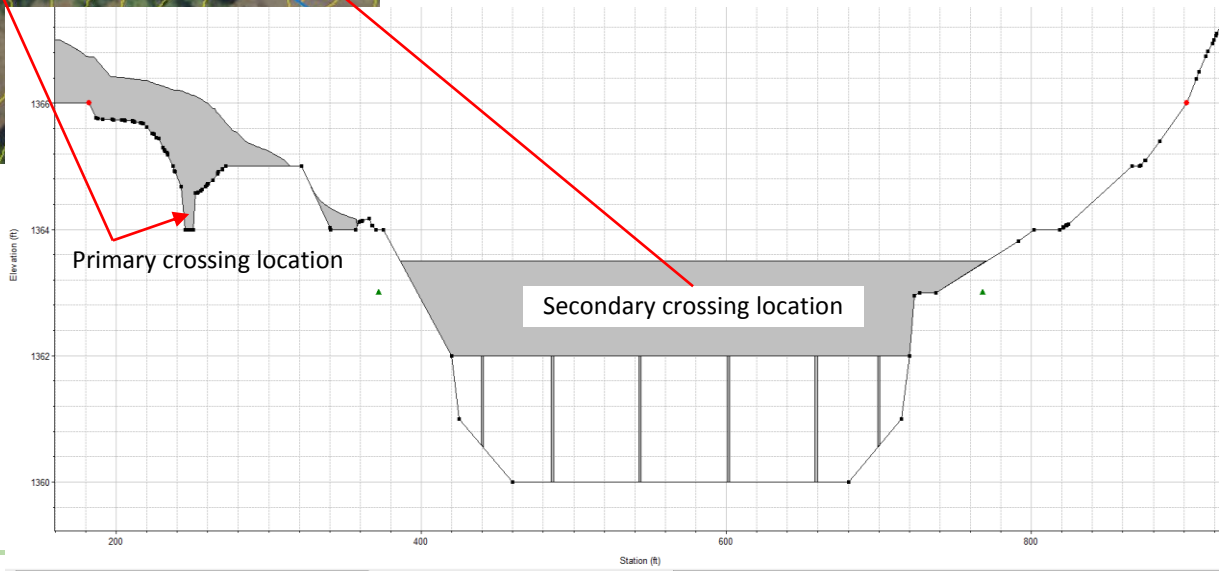
"B" Sites - Figures and Opinions of Probable Costs

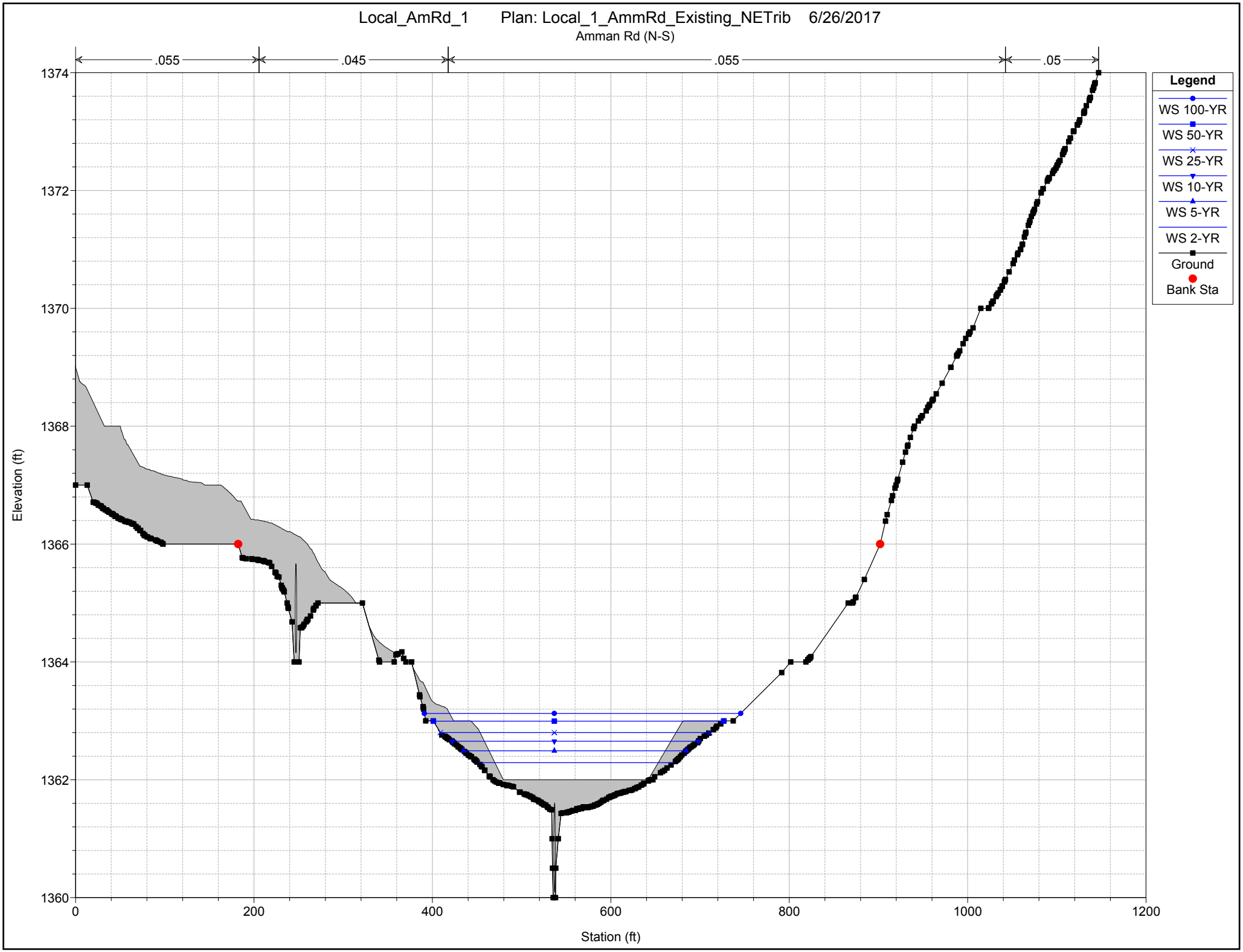
"B" Site 1 - Amman Road Existing Conditions

Site B (#1) Option 1
Local drainage, Amman Road (N-S)

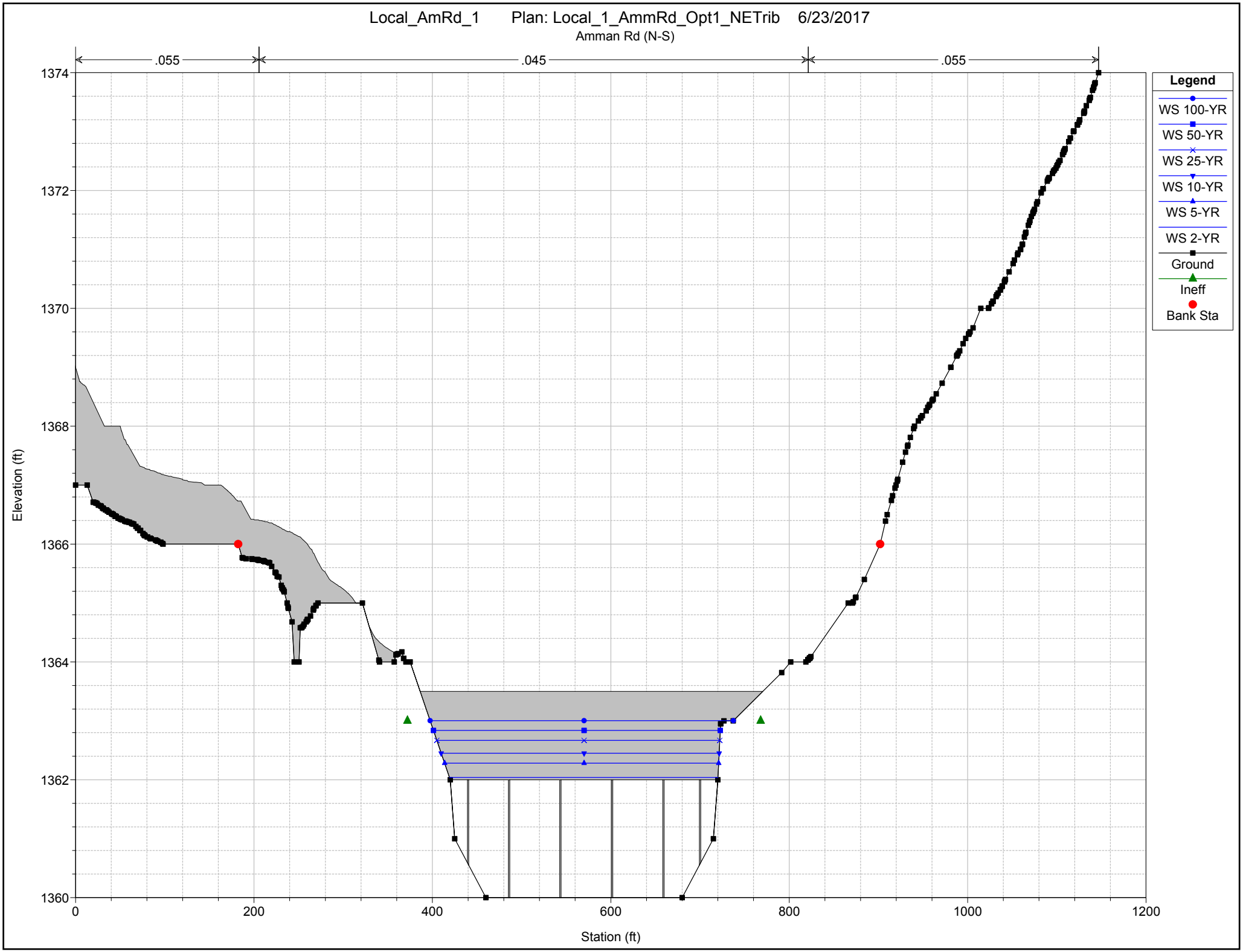


30-inch culvert under driveway to convey flow to low secondary crossing




Local_AmRd_1 Plan: Local_1_AmmRd_Existing_NETrib 6/26/2017
Amman Rd (N-S)
.055
.045
.055
.05
Legend
WS 100-YR
WS 50-YR
WS 25-YR
WS 10-YR
WS 5-YR
WS 2-YR
Ground
Bank Sta
Elevation (ft)
Station (ft)
1374
1372
1370
1368
1366
1364
1362
1360
0
200
400
600
800
1000
1200

"B" Site 1 - Amman Road Proposed Project - Replace Crossing with Bridge


Local_AmRd_1 Plan: Local_1_AmmRd_Opt1_NETrib 6/23/2017
Amman Rd (N-S)
.055
.045
.055
Legend
WS 100-YR
WS 50-YR
WS 25-YR
WS 10-YR
WS 5-YR
WS 2-YR
Ground
Ineff
Bank Sta
Elevation (ft)
Station (ft)
1374
1372
1370
1368
1366
1364
1362
1360
0
200
400
600
800
1000
1200

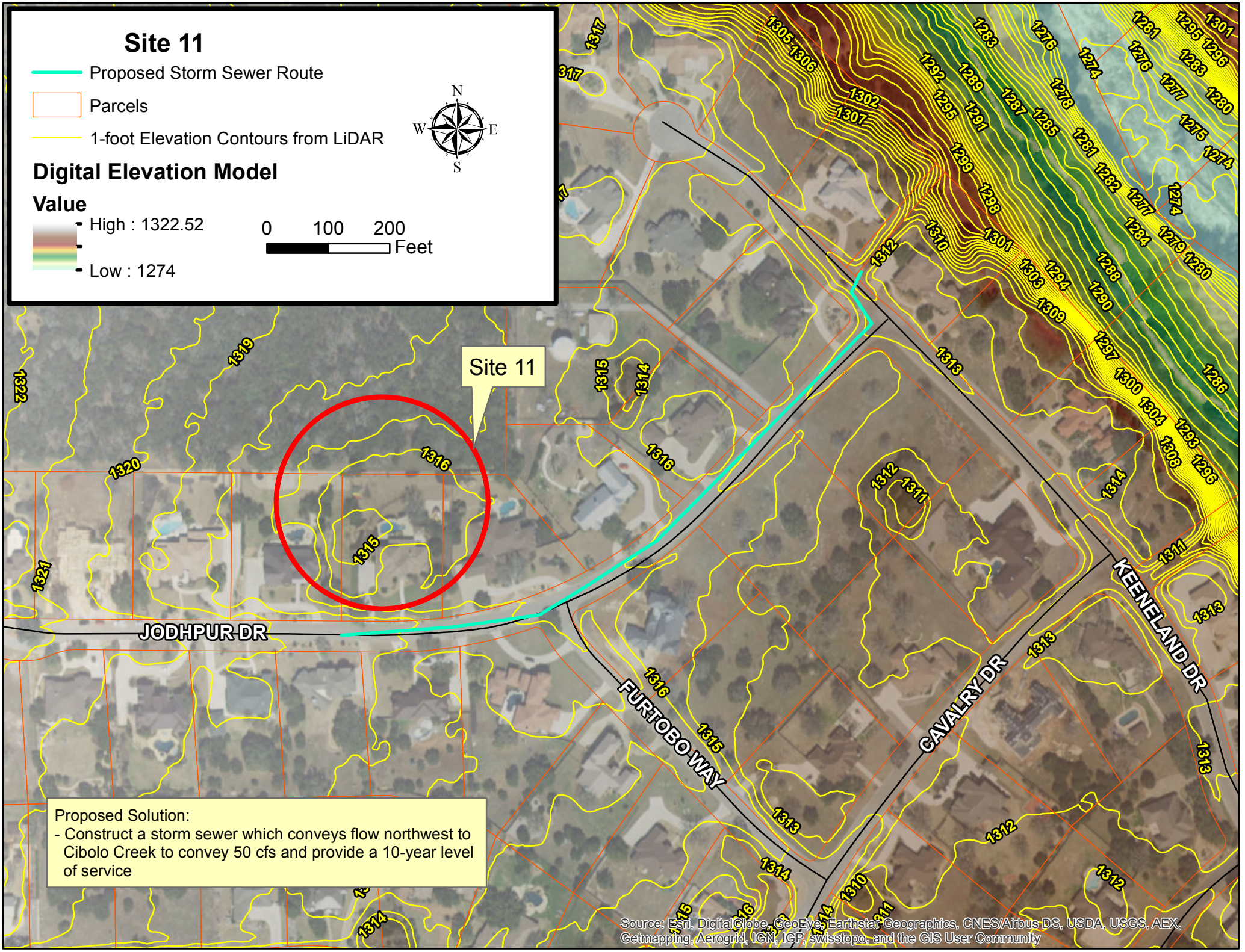
"B" Site 1 - Amman Road Conceptual Opinion of Probable Cost

B Site 1 Cost Estimate

* Replace current road with concrete bridge

Item	Quantity	Unit	Unit Cost	Total Cost
Pavement removal	1480	SY	$2.65	$3,922
Excavating	858	Bank CY	$1.68	$1,441
Haul Dirt	1144	Loose CY	$3.15	$3,603
Grade Banks	1480	SY	$1.00	$1,480
Place Precast Piers/Columns	35	CY	$410	$14,350
Structural Concrete Beam and Slab	985	CY	$615	$605,775
Guard Rails	760	LF	$29	$22,040
Acrylic Paint	760	LF	$0.24	$182
			Contingency (30%)	$195,837.9
			Engineering (15%)	$97,918.97
			Total:	$943,000

"B" Site 11 - Conceptual Project Overview


Site 11
Proposed Storm Sewer Route
Parcels
1-foot Elevation Contours from LiDAR
Digital Elevation Model
Value
High : 1322.52
Low : 1274
N
W
E
S
0
100
200
Feet
Site 11
JODHPUR DR
FURTOBO WAY
CAVALRY DR
KEENELAND DR
Proposed Solution:
- Construct a storm sewer which conveys flow northwest to Cibolo Creek to convey 50 cfs and provide a 10-year level of service
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

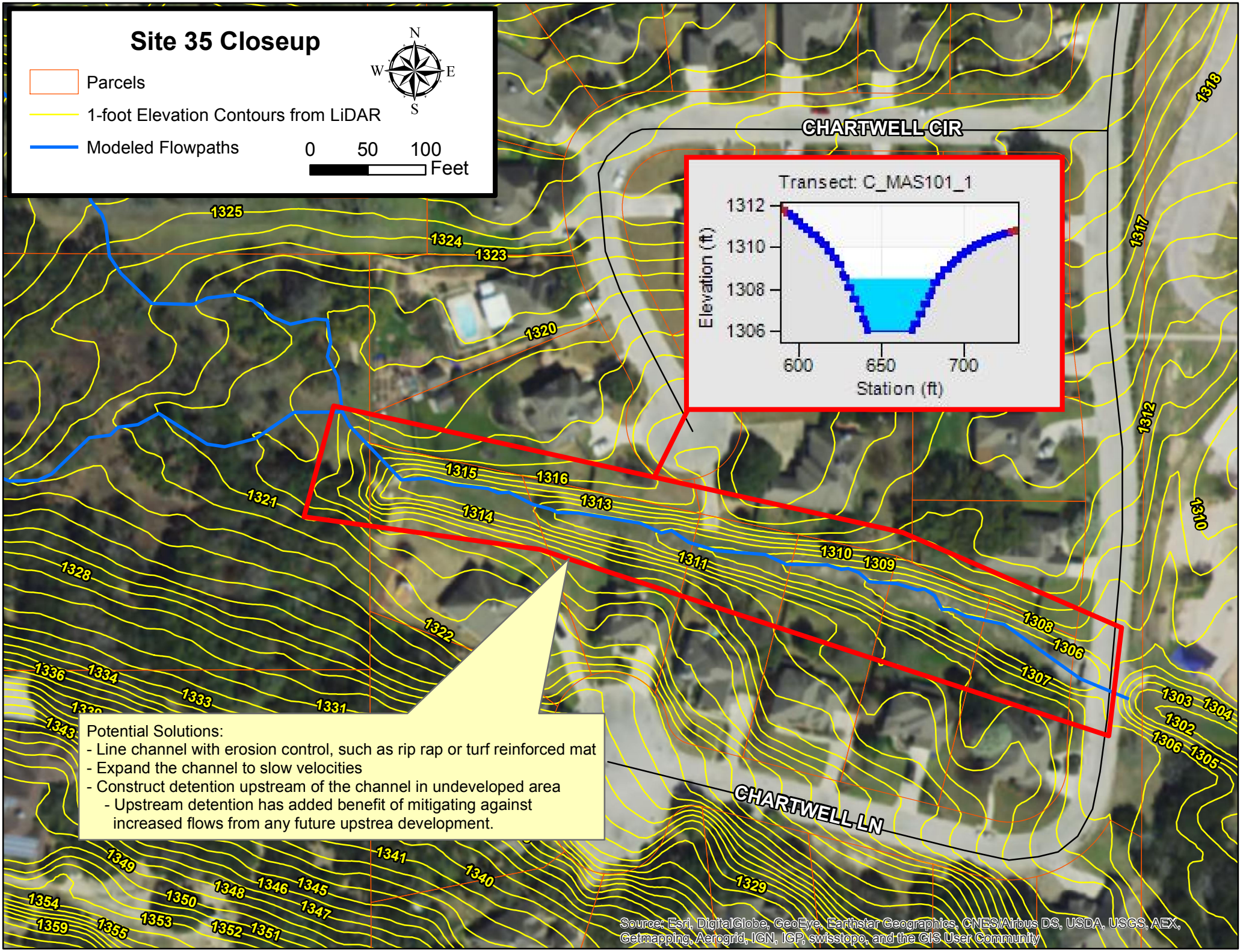
"B" Site 11 - Conceptual Opinion of Probable Cost

B Site 11 Cost Estimate

* Construct storm sewer to convey flow to Balcones Creek

Item	Quantity	Unit	Unit Cost	Total Cost
Remove asphalt pavement	6400	SY	$5	$32,000
Excavation	1200	Bank CY	$7	$8,400
Stormwater Inlet	1	EA	$1,275	$1,275
Construct 36" RCP	1300	LF	$120	$156,000
Construct Flared End 36" RCP Outfall	1	EA	$1,250	$1,250
Construct asphalt pavement	6400	SY	$30	$192,000
			Contingency (30%)	$117,277.50
			Engineering (15%)	$58,638.75
			Total:	$567,000

"B" Site 35 - Conceptual Project Overview


Site 35 Closeup
Parcels
1-foot Elevation Contours from LiDAR
Modeled Flowpaths
0 50 100
Feet
N
W
E
S
CHARTWELL CIR
CHARTWELL LN
Transect: C_MAS101_1
Elevation (ft)
1312
1310
1308
1306
600
650
700
Station (ft)
Potential Solutions:
- Line channel with erosion control, such as rip rap or turf reinforced mat
- Expand the channel to slow velocities
- Construct detention upstream of the channel in undeveloped area
- Upstream detention has added benefit of mitigating against increased flows from any future upstrea development.
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

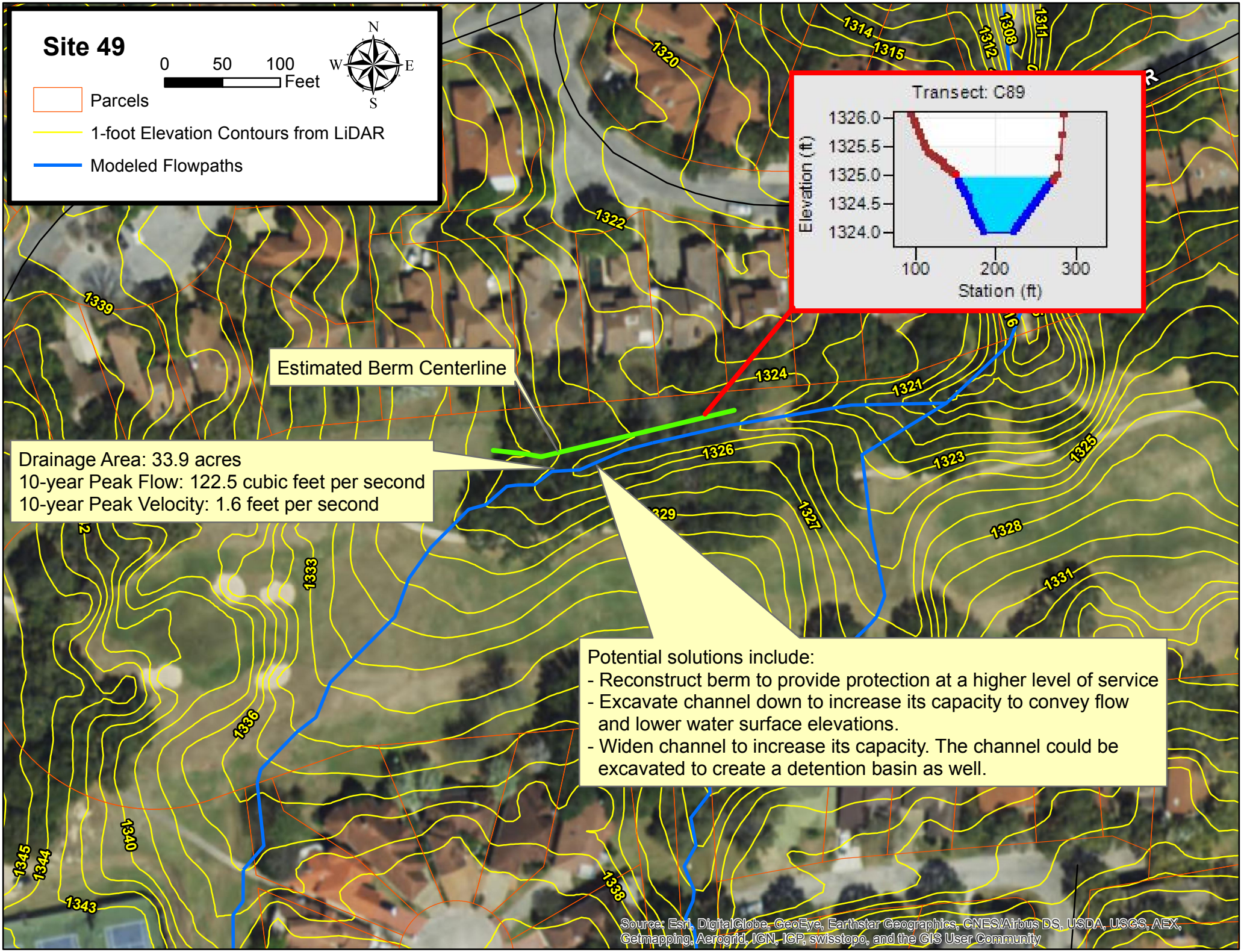
"B" Site 35 - Conceptual Opinion of Probable Cost

B Site 35 Cost Estimate

* Line channel with erosion control, such as rip rap or turf reinforced mat

Item	Quantity	Unit	Unit Cost	Total Cost
Grade Banks	3041	SY	$1	$3,041
Place Rip Rap	1100	TON	$40	$44,000
			Contingency (30%)	$14,112.30
			Total:	$62,000

"B" Site 49 - Conceptual Project Overview


Site 49
0 50 100 Feet
N
W E
S
Parcels
1-foot Elevation Contours from LiDAR
Modeled Flowpaths
Transect: C89
Elevation (ft)
1326.0
1325.5
1325.0
1324.5
1324.0
100 200 300
Station (ft)
Estimated Berm Centerline
Drainage Area: 33.9 acres
10-year Peak Flow: 122.5 cubic feet per second
10-year Peak Velocity: 1.6 feet per second
Potential solutions include:
- Reconstruct berm to provide protection at a higher level of service
- Excavate channel down to increase its capacity to convey flow and lower water surface elevations.
- Widen channel to increase its capacity. The channel could be excavated to create a detention basin as well.
1320
1314
1315
1312
1308
1311
1322
1339
1324
1321
1326
1323
1325
1329
1327
1328
1331
1333
1336
1340
1345
1344
1343
1338
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

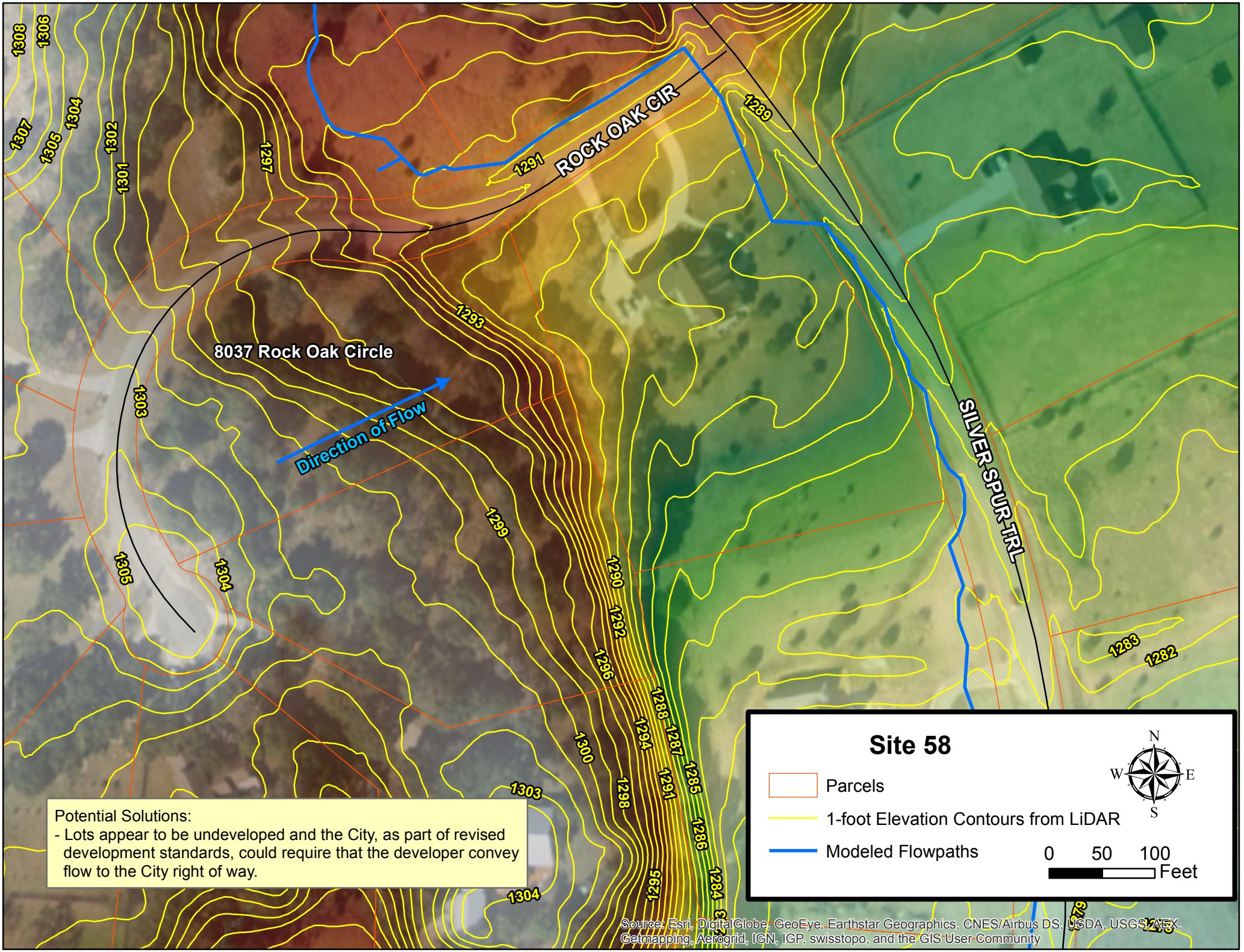
"B" Site 49 - Conceptual Opinion of Probable Cost

B Site 49 Cost Estimate

* Excavate channel down to increase its capacity to convey flow and lower water surface elevation

Item	Quantity	Unit	Unit Cost	Total Cost
Excavating	310	Bank CY	$2	$620
Haul Dirt	413	Loose CY	$3	$1,240
Grade Banks	929	SY	$1	$929
			Contingency (30%)	$186.0
			Total:	$3,000

"B" Site 58 - Conceptual Project Overview


ROCK OAK CIR
SILVER SPUR TRL
8037 Rock Oak Circle
Direction of Flow
1308
1306
1307
1305
1304
1302
1301
1297
1291
1289
1293
1303
1299
1290
1292
1296
1288
1287
1294
1285
1291
1300
1298
1286
1284
1295
1283
1282
1304
Site 58
Parcels
1-foot Elevation Contours from LiDAR
Modeled Flowpaths
N
W
E
S
0
50
100
Feet
Potential Solutions:
- Lots appear to be undeveloped and the City, as part of revised development standards, could require that the developer convey flow to the City right of way.
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

"B" Site 58 - Conceptual Project Cost - City will resolve this drainage issue when lot is developed as part of permit review

"C" Sites - Spreadsheet outlining path forward for known drainage issue sites as well as ranking of all CIP sites
(Digital Submittal)

Issue Number	Task 2.3 Option	Address	Description	Model Location	10-year Velocity, feet per second	10-year Flow, cubic feet per second	Engineer's Assessment	Next Steps / Proposed Project	Regional Option	Required Easement Acquisition	Complexity	Estimated Cost	Estimated Cost Priority	Public/Private	Public/Private Priority	Public Infrastructure at Risk	Public Infrastructure Priority	Number of houses affected	Erosion Problem	Erosion Priority	GI Opportunity	GI Opportunity Priority	City Priority	City Priority Description	Score
5	A	7920 Rolling Acres Trail	low water crossing. Road Closure gate is deployed at this crossing during large storm events.	-	-	-	-	-	-	-	High	High	1	public to public	1	yes	5	0	no	0	no	0	5		47
17	A	7840 Silver Spur Trail	Runoff collects from the north side of the city and passes this point before passing under Keeneland then to the Cibolo Creek. Post Oak Creek low water crossing.	-	-	-	-	-	-	-	High	High	1	public to public	1	yes	5	0	no	0	no	0	5		47
34	C	29010 Trail Way	Large amount of runoff from Windermere Crossing Fair Oaks Parkway and is intercepted by the storm sewer that outlets 100ft through plain flow to the Road Bond Project	Conduit C109855	14.57	55.66	Site visit found that the open channel conveying flow on the west side of Fair Oaks Parkway which conveys flow beneath the fence does not appear to capture all stormwater, allowing uncontrolled flow to the north which then flows through private lots.	* Utilitize existing stormwater infrastructure by regrading the roadway to slope towards existing inlets and open channels on the north and south side of Windermere Dr on the east side of Fair Oaks Parkway. New curb installed along the edge of the roadway to direct stormwater flow to the existing inlets. Additionally, these water beautiful stormwater treatment would also improve collection. This approach would likely increase flows conveyed downstream and these increases would need to be	No	Potentially, depending on direction chosen	Medium	*High *Low	5	public to private	1	yes - busy highway Fair Oaks Parkway	5	3	no	0	yes	5	0	45.5
25	C	7715 Fair Oaks Parkway	Great amount of runoff passes under Fair Oaks PKWY and is causing erosion through the easement. This area was surveyed during the Tonis Victoria training walk project	c1108c	5.99	609.26	Channel erosion observed during site visit, a significant amount of limestone and trees are exposed in the channel.	* Regrade the channel and install erosion control measures, such as riprap or turf reinforced mat, to protect channel.	No	No	Low	Medium	3	public to private	1	Fair Oaks Parkway	5	1	yes	5	yes	5	0	42
36	C	8410 Noble Lark Dr	Runoff flows in a channel next to the ROW and has caused erosion in this area	C108	2.53	16.78	Site visit indicated that in addition to channel erosion, there is also erosion of the soils beneath the headwall for the culvert which conveys flow south beneath Fair Oaks Parkway.	* Regrade the channel and install erosion control measures, such as riprap or turf reinforced mat, to protect channel.	No	No	Low	Medium	3	public to private	1	yes - busy highway Fair Oaks Parkway	5	1	yes	5	yes	5	0	42
32	C	29514 Sumpter Drive	Runoff flows from Nooner's Store and is intercepted by the homes across Ralph Fair Road. Severe slope accelerates runoff towards homes.	Conduit C786	3.39	68.26	Site visit indicated that inefficient collection of stormwater from Ralph Fair Road appears to be contributing to the issues encountered on properties west of Ralph Fair Road.	* Reuse the eroded foundation of the culvert headwall. * Add a swale to the west side of Ralph Fair Rd to handle runoff coming from Nooners parking lot. This swale could be routed through a culvert south of Boris Wilson and detained in the open field area of Fair Oaks Ranch Elementary and ultimately routed south and tied in with the conduit drainage located on the east end of Fair Oaks Ranch Elementary.	No	No	Low to Medium	*Medium *Medium	3	public to private	1	yes - busy highway FM1351	5	2	no	0	yes	5	0	40.5
37	C	7967 Turf Paradise Lane	Large amount of runoff sheet flows down the street and across properties.	C_MA557	5.21	68.59	* There is an existing channel to carry runoff in the right of way. The model calculated that the channel contains a 10-year event. Site observations indicated that this channel looks very shallow and eroded from high flow.	* Investigate the capacities of driveway culverts to see if they cause water to back up and flow into yards. Based on the model results, it is expected that there will be hydraulic constrictions contributing to uncontrolled stormwater flow, and that replacing them with adequately sized culverts will mitigate the issue.	No	No	Low	Low	5	public to private	1	yes - small road turf paradise lane	2	4	yes	5	yes	5	0	40
30	C	7900 Fair Oaks PKWY	Large amount of runoff flows from country club parking lot across Fair Oaks PKWY. Runoff jumps curb and flows through fences into backyard	c1852	7.08	73.06	It appears a wall to extend the curb vertically was been constructed on the west side of Fair Oaks Parkway to protect against the storm water flowing into the backyards.	* Re-sew wall may represent a solution which mitigates stormwater from passing into the backyards mentioned in this complaint, however this may cause new stormwater issues down Osborne Pass when the runoff is now routed	No	No	Low	Low	1	public to private	1	no	0	9	yes	5	yes	5	0	31
48	C	28207 Kensington Circle	Large amount of runoff is intercepted by well around house and is causing erosion and excessive irrosion zone	C1113	5.25	230.85	* Site visit indicated that the channel downstream of the culvert is poorly defined. Further downstream the channel appears to have significant erosion near the property line	* Regrade the channel to keep stormwater from encroaching on the property. Slightly widening and deepening the channel reduced velocities in the model.	No	No	Medium	Low	5	public to private	1	no	0	1	yes	5	yes	5	0	31
29	C	8531 Alydar Circle	Water flows over the natural channel that is located within a platted drainage easement. Banks have been eroded due to later runoff flows	c1285	3.67	454.28	Eroded channel was observed during field visit.	* Regrade the channel to restore its shape and remove steep side slopes, remove any sediment buildup, install riprap or turf reinforced mat in areas experiencing high velocities/erosion potential	No	No	Medium	Medium	3	public to private	1	no	0	4	yes	5	yes	5	0	30
35	B	-	-	--	--	--	--	* Line channel with erosion control, such as rip-rap or turf reinforced mat	No	No	Low	Low	1	private to public	2	yes - busy highway Fair Oaks Parkway	5	4	no	0	yes	5	0	29.5
15	C	8622 Delta Dawn	Erosion is caused by runoff coming from daylight and is in close proximity to the city's lift station	c222	4.09	170.67	The channel has become highly eroded, and the eroded bank has migrated to within approximately 10 feet from the lift station.	* Potential options include reinforcing the channel using erosion control mats or rip rap to mitigate agered erosion, or widen the channel to reduce velocities.	No	No	Low	Medium	3	private to public	2	lift station at risk of structural issues caused by erosion	5	0	yes	5	no	0	0	29.5
16	C	30857 Mac O Wax	Runoff drains around this property and one side contains a platted easement. Drainage flows over the drainet in the easement and leaks up into front and back yards	c229	2.16	223.22	This is a wide channel with large rock walls and approximately 6 ft. deep by 20 feet wide. It drains approximately 135 acres. Modeling indicated overtopping of the channel banks for the 2-year storm.	* Increase conveyance by excavating the channel be deeper and/or wider. * Decrease flows in the channel by constructing a detention pond on the upstream side of Mac O Wax Drive. This would require easement acquisition.	Yes	Potentially, depending on direction chosen	Low to Medium	*Low *Medium	5	public to private	1	no	0	2	no	0	yes	5	0	29.5
2	C	8672 Rolling Acres Trail	Drainage backs up in culverts that pass under driveway. Large amount of runoff flows across the property towards Cibolo Creek.	C8828693_1	3.45	119.79	Erosion occurs on the western bank of the drainage ditch. Erosion is occuring beneath an electrical box as well as a driveway culvert inlet	* Increase the diameter of the driveway culverts for the properties on the west side of Rolling Acres Rd. May require addressing the culverts in the ctn as well as 8 downstream culverts to prevent perpetuating issues downstream before this channel is routed out to Cibolo Creek. Current driveway culvert geometry in this ctn is 2 - 18" diameter corrugated metal pipes. Increasing the size to a 2-42"W x 1'H would have a substantial effect in reducing out of bank flow during 10-year event (2.8. this concrete box culvert did not result in significant improvements either). * Develop a detention project on the northeast corner of the intersection of Rolling Acres Trail and Sunland to address flows from this site (which flows across the road during large events) as well as westward drainage from Sunland. This may require an easement from property owner.	Yes	Potentially, depending on direction chosen	Low to Medium	*Medium *High	3	public to private	1	no	0	3	yes	5	yes	5	0	29
8	C	32789 Sunland	A natural recharge zone takes a large amount of runoff during storm events	c1932	1.22	18.85	During larger rain events it appears that flow from Sunland flows south, across private properties, towards the sinkhole.	* Acquire a drainage easement to the west of this property to route flow to the sinkhole and away from it when it becomes filled. This would require continuous routing along Sunbrea southward towards Cibolo Creek. * Construct a drainage ditch on the south side of Sunland to route flow west towards Rolling Acres and its existing right of way drainage ditch	No	Potentially, depending on direction chosen	Medium	*High *Low	5	public to private	1	no	0	1	no	0	yes - natural recharge feature	5	0	28.5
38	C	7626 Rocking Horse Ln	Large amount of flow goes across street and ponds in front yard of the property	--	--	--	Currently there is no stormwater conveyance along Secretariat Lane.	*Construct a channel in the right of way to intercept runoff from Rocking Horse Lane and convey this flow east along Secretariat Land to an already existing channel at the intersection of Secretariat Lane and Dapper Dan Drive.	No	No	Low	Low	5	public to private	1	no	0	1	no	0	yes	5	0	28.5
40	C	32988 Scarbrea	Runoff from Sky Blue Ridge runs down road and heads in direction of home	C109861	0.86	24.28	A site visit was completed, and it is not clear how stormwater flows from the roadway through private property, however, there are existing small ditches on each side of the road which appear to have minimal capacity.	* Increase the capacities of the roadside channels by regrading them to have a more define flowpath with larger widths and depths.	No	No	Low	Low	5	public to private	1	no	0	1	no	0	yes	5	0	28.5
46	C	7646 Pimlico Lane	Large amount of runoff moves through property toward Salada Creek	C_MA552	2.57	74.85	* It appears that collection of stormwater from Pimlico Lane is not efficient, causing the issues observed on the property.	* Construct a new channel along the south side of Pimlico Lane from Steeplechase Lane to Aqueduct Lane. This channel would convey flow east to the west side of Aqueduct Line, where a channel would be constructed to convey flow south to Salada Creek.	No	No	Medium	Low	5	public to private	1	no	0	1	no	0	yes	5	0	28.5
4	C	8080 Rolling Acres Trail	The drainage does not have positive flow in one direction as it crosses Rolling Acres Trail at multiple points	C139	1.33	267.65	It appears the area around the driveway of 8080 Rolling Acres Trail is a local low point. After flow passes through a culvert under Rolling Acres, it goes into a flat area (approximately 30-40 feet beyond the property line before being conveyed through the culvert at the downstream end of the property. There is little to no defined roadside drainage ditch in front of the property, causing stormwater to split into the low point on the property.	* Build a drainage ditch to capture stormwater as it exits the upstream culvert and route to the culvert at the downstream end of the property. This should prevent the city's stormwater from flowing on the property. Will require the construction of a driveway culvert.	No	No	Low	Medium	3	public to private	1	small residential road is flooded	2	1	no	0	no	0	0	28
42	C	7760 Pimlico Lane	Large amount of runoff moves through the HOA park and towards the Salada Creek	C_MA51221	2.38	139.27	**The model shows that the channel and culvert which conveys flow beneath Equestrian Drive is undersized.	* Regrade the channel to deepen it one foot and increase the size of the culvert from a 4-foot corrugated metal pipe to a 5-foot diameter corrugated metal pipe to provide a 10-year level of service.	No	No	Medium	Low	5	public to public	3	yes - the culvert under equestrian drive is undersized	2	0	no	0	yes	5	0	27.5
9	C	30521 Silver Spur Trail	A large amount of runoff flows between the properties before making its way toward Post Oak Creek.	c1231	0.1	103.38	The drainage ditch along the northern side of Silver Spur is very shallow and has minimal conveyance.	* Construct a drainage ditch along Silver Spur Trail which conveys flow to Post Oak Creek south of the intersection of Silver Spur Trail and Ventura.	No	No	Low	Low	5	public to private	1	no	0	2	no	0	no	0	0	27
45	C	8816 Jockpilot	Runoff flows from outside of the city and accumulates near this lot. The City installed a drainage improvement in this area.	C1122	3.33	91.82	Site visit indicated that this channel appears to have been recently improved.	* Recent improvements may have been sufficient to alleviate this issue.	No	No	Low	NA	5	public to private	1	no	0	2	no	0	no	0	0	27
1	B	-	-	-	-	-	* Replace current road with concrete bridge elevated above flood state	No	No	Low	Multi	3	public to public	1	yes	1	no	0	no	0	no	0	26		
56	C	29707 High Exchelsior	Drainage from road collects and faster than the drainage easement can move it	c1075	1.49	230.61	* Site visit indicated that this easement has been overgrown and landscaping has been placed within it.	* Regrade the drainage channel and clear it of vegetation and debris.	No	No	Low	Low	5	public to private	1	no	0	1	no	0	no	0	0	26
52	C	29765 No Le Haze	Runoff from No Le Haze culminates at the end of the cul-de-sac before making its way to Cibolo Creek. Large amounts of erosion and silt exists	MA56781_1	8.81	499.98	* It appears that stormwater naturally flows north through the property with no alternate path.	* Acquire an easement which runs north from the cul de sac and construct a channel to convey flow north to Cibolo Creek.	No	Yes	Medium	Medium	3	public to private	1	no	0	1	no	0	yes	5	0	24.5
53	C	32690 Scarbrea	City installed berms and swales have eroded and silted over time. Flooding occurs in driveway and has come close to entering home.	C272_36AA5	0.37	41.56	* A site visit was conducted, and it is unclear where a berm had been located previously. The existing ditch appeared to have minimal conveyance.	*Regrade the channel on the east side of Scarbern to convey flow more efficiently and replace the driveway culvert with a larger culvert to increase conveyance.	No	No	Low	Medium	3	public to private	1	no	0	1	yes	5	no	0	0	24.5
27	C	29958 Dubrery Ridge	Runoff flows from the street into the front yard of the property	c1010	6.93	595.85	There does not appear to be a curb cut and/or drainage easement to convey drainage from Dubrery Ridge to the golf course at this location.	* Obtain a drainage easement between two of the properties. Construct curb cut and route runoff through easement onto golf course	No	Yes	Low	Medium	3	public to private	1	no	0	1	no	0	no	0	0	22
41	C	8426 Triple Crown	Large amount of runoff drains down ROW and through a platted easement. Culvert is undersized and backs up/tbrooses obstructed.	C_MA554	0.6	9.73	The current size of the culvert is an elliptical corrugated metal pipe with dimensions of 1.167 ft x 1.917 ft, and the model indicated that it does not convey a 10-year event.	*Increase the capacity of the culvert and provide proper maintenance to prevent clogging of the culvert. Increasing the size to a 2.417'H x 3.75'l provides conveyance for a 10-year event.	No	No	Medium	Medium	3	public to private	1	no	0	1	no	0	no	0	0	22
43	C	8312 Triple Crown	Large amount of runoff moves down Rocking Horse Ln towards the south of the city	C_MA55163	13.25	27.99	* There is no existing stormwater infrastructure at this site, and it appears that the uncontrolled stormwater is causing the observed flooding issue.	* A culvert and channel can be constructed along the south side of Triple Crown and the west side of Rocking Horse Lane in the right of way to help catch flow running down the street before it can cause an issue on private property.	No	No	Medium	Medium	3	public to private	1	no	0	1	no	0	no	0	0	22
26	C	67 Falls Terrace	Large amounts of runoff flows through backyards. Floodplain was revised and further encroaches into properties in this gated subdivision	c266	5.65	664.95	Channel erosion observed during site visit.	* Increase conveyance by excavating the channel be be deeper and/or wider to mitigate flooding from FEMA floodplain. * Install erosion control measures, such as riprap or turf reinforced mat, to protect channel and slow velocities	No	No	Low	Low	5	private to private	0	no	0	6	yes	5	yes	5	0	21

3	C	31872 Sunland	Large amount of runoff from Burnt Cedar flows through the property towards Rolling Acres Trail	mstc235_7	2.32	57.22	Erosion control mats have been installed on the north side of the drainage ditch in front of this property.	* Widen the channel to reduce the flow velocity. The channel is relatively shallow, thus deepening the channel may be an option but downstream effects should be further investigated. (Widening the channel approx. 1ft ft did not significantly change the Water Surface Elevation (WSE) but did decrease the velocity by about 35% for the 10-year event) * Reinforce the channel and convey flow more efficiently by lining it with concrete. *This option would likely result in increased flows downstream which could be mitigated by the detention project proposed for Site 2. * Increase road surface elevation to prevent overtopping of Burnt Cedar Rd. This could cause backups onto properties. * Site #3 is a sinkhole and to mitigate this issue a culvert could be constructed to convey flow beneath Sunland. This would require acquisition of a drainage easement to route the flow to the sink hole.	No	Potentially, depending on direction chosen	Low to Medium	*Low *High *High *Medium	5	private to private	0	small residential road is flooded	2	1	yes	5	no	0	0		19.5
28	C	29616 Nix at Hale Drive	A drainage channel exists on the rear property lines in this area. The city does not have an easement and this channel backs up and floods backyards due to fence blockages	CNW_2	6.91	233.75	Field measurements indicated that this channel is a 28x12" rectangular concrete drainage channel.	* Expand ditch to increase conveyance	No	Yes	High	Low	5	private to private	0	no	0	5	no	0	yes	5	0			17.5
6	A	7420 Rolling Acres Trail	Low water crossing mixes toward home on Meadow Creek Trail. Road closure gate is deployed at this crossing during large storm events.	-	-	-	-	-	-	-	High	High	1	public to public	5	yes	5	0	no	0	no	0	-5	Negative City priority assigned because improvements of the low water crossing at Post Oak Creek ("C" site 17) will maintain access to the northwest portion of the City during a simultaneous Cibolo Creek event and local rainfall event, addressing the main issue caused at this low water crossing.	17
49	B	_	_			_		* Increase the height of the berm. Add fill and grade it to a 5:1 slope on either side. * Excavate channel down to increase its capacity to convey flow and lower water surface elevation	No	No	Low	Low	5	private to private	0	no	0	7	no	0	no	0	0			17
29	A	8602 Battle Intrepid	Battle Intrepid is often shut down during large rain events. Debris collects and damages this low water crossing.	-	-	-	-	-	-	-	High	High	1	public to public	5	yes	5	0	no	0	no	0	-5	Negative City priority assigned because improvements of the low water crossing at Post Oak Creek ("C" site 17) will maintain access to the northwest portion of the City during a simultaneous Cibolo Creek event and local rainfall event, addressing the main issue caused at this low water crossing.	17
40	C	28037 Leslie Pfeiffer Dr.	Runoff flows through a 20' platted drainage easement and is intercepted by fences running across them. This issue is examined in the 2009 Cibolito Report	C_MA1163	11.16	67.58	Stormwater is conveyed by a shallow channel beneath a fence, and any debris in the channel is caught in the fence.	*The channel running underneath the fence can be deepened so debris is less likely to catch on the fence and cause the channel to backup. Deepening the channel a foot and widening it to 10 feet wide should greatly reduce instances of debris from catching in the fence as the model calculated that the 10-year event would be contained within its banks. Proactive management and cleaning of the fence and channel should greatly improve conveyance and prevent the channel from backing up.	No	No	Low	Low	5	private to public	2	no	0	0	no	0	no	0	0			16
60	C	Cibolo& Trails Common Area	Ponding occurs in this common area located in the floodplain.	_	_	_	* A site visit was not completed at this site, and the City indicated that the issue at this site is related to stormwater ponding on the trail embankment which runs along Cibolo Creek north of the subdivision.	*Construct culverts to drain through the trail embankment at low points.	No	No	Medium	Medium	3	public to public	3	no	0	0	no	0	no	0	0			15
12	C	31105 Furlosa Way	A large amount of runoff flows through front and backyard of the property towards the platted recharge features at the corner of Calvary Dr. and Furlosa Way	c1111	0.29	9.23	The drainage area to this site is approximately 8.6 acres of private property.	* Acquire a drainage easement in the rear of the properties and install a drainage ditch to route flow to Calvary Dr.	No	Yes	Low	Medium	3	private to private	0	no	0	6	no	0	yes	5	0			14.5
10	C	31320 Meadow Creek Trail	A large amount of ponding occurs in this area. Drainage does not pass the road efficiently.	c93	2.01	68.06	For most storms the flow will be routed east once a small roadside depressions is filled. During flood events, the roadway here likely acts as a berm impounding flow and the property owner's driveway culvert is likely not capable of routing flow downstream through the roadside drainage ditch.	* Install culvert under Meadow Creek Trail on the northwest side of the driveway of this address. * Increase conveyance of the drainage ditch along the north side of Meadow Creek Trail (increase culvert size, widen drainage ditches)	No	No	Low	*Medium *Medium	3	private to private	0	small residential road is flooded	2	2	no	0	no	0	0			14
19	C	7960 Intrepid Drive	Runoff makes its way through a platted easement to the rear of the property. From there it enters an undersized culvert that passes below the HOA trail. This culvert backs up and water ponds in the area.	c661	0.88	87.99	The existing culvert was determined to be 28" diameter ductile iron from field visit, and the model indicated that it is undersized. Note: Refer to the city's known drainage issue SHP file for actual location, which appears to be closer to 7750 Intrepid.	* Increase culvert size to three 3-foot diameter corrugated metal pipe culverts reduced the upstream flooding by approximately 50% in the model.	No	No	Low	Medium	3	private to public	2	no	0	0	no	0	no	0	0	Assigned priority of 5 because this site represents a potential public safety issue. Improvements to provide a 5-year level of service here are recommended to maintain access to the northwest portion of the City during a simultaneous Cibolo Creek event and local rainfall event.	12
58	B								No			2 way	5	private to private	0	no	0	1	no	0	no	0	0			11
7	C	8501 Rolling Acres Trail	A natural drainage feature is located in backyard. A large amount of runoff flows across the property towards Cibolo Creek.	c1162	1.91	157.16	Sinkhole is located in rear of property and the surrounding private properties drain toward this property.	* Acquire a drainage easement on the north boundary of this property to intercept flow and route it south behind the houses on the affected properties.	No	Potentially, depending on direction chosen	Medium	Medium	3	private to private	0	no	0	1	no	0	yes - natural recharge feature	5	0			9.5
11	C	8609 Delta Dawn Lane	A large amount of runoff from Jadyhar makes its way into the backyard of the property. Runoff from forested makes its way into the front yard	c590	4.81	103.63	A natural flow path which receives 36.1 acres of runoff running through the backyard of this property. There also appears to be an easement with a channel that is channel is approximately 10 ft wide and 2 ft deep which outfalls to Delta Dawn Lane. It appears that this large drainage area in combination with inefficient local collection may be the major contributors to the observed stormwater in the front yard of this property.	* Improve conveyance of the existing drainage easement through the backyard. * A 15 ft wide channel can handle the 100-yr event with a 1 ft depth of flow	No	Potentially, depending on direction chosen	Medium to High	Medium	3	private to private	0	no	0	1	no	0	no	0	0			7
20	C	30621 Sweetridge Circle	Water ponds in this natural low area. Residence maintains a curb around property which exacerbates the issue.	c556	2.41	46.77	It appears the drainage issue on this property is a result of the grading on this property, which is located along a natural flow path.	Potential solutions include: * Install a culvert or drain in the low area and a curb cut to drain the ponded area onto Keneland * Obtain an easement on the west end of the property to route flow down to the curb & gutter on Keneland.	No	Potentially, depending on direction chosen	Medium	Medium	3	private to private	0	no	0	1	no	0	no	0	0			7

STORMWATER DRAINAGE 101: A CONVERSATION ON CRITERIA

Council Workshop

Master Drainage Plan & MS4 Assistance Services

March 2, 2017

Today's Objective & Ground Rules

- Objective: *To <u>begin</u> the conversation of city responsibility for stormwater drainage*

- Ground Rules:
  - *Start and end this conversation together, over the next 6 months*
  - *Respectful disagreement encouraged*
  - *One conversation at a time*
  - *Be bold*
  - *No silent objectors*

Tasks for 2017 / 2018

MASTER DRAINAGE PLAN

- Complete Master Drainage Plan
- Model
- Prioritized CIP
- Funding Opportunities

MS4 COMPLIANCE STRATEGY

- Revised SWMP – Integrate into MDP
- Annual Report(s)
- MS4 Compliance Tools

IMPLEMENT DEVELOPMENT TOOLS

- Evaluate Existing Policies
- Identify Policy Framework

CDM Smith

How to Achieve Today's Objective

- Understand the Drainage Conversation
- Define a Drainage System
- Identify a Framework for Stormwater Management
- Review Examples Stormwater Management
- Consider Questions

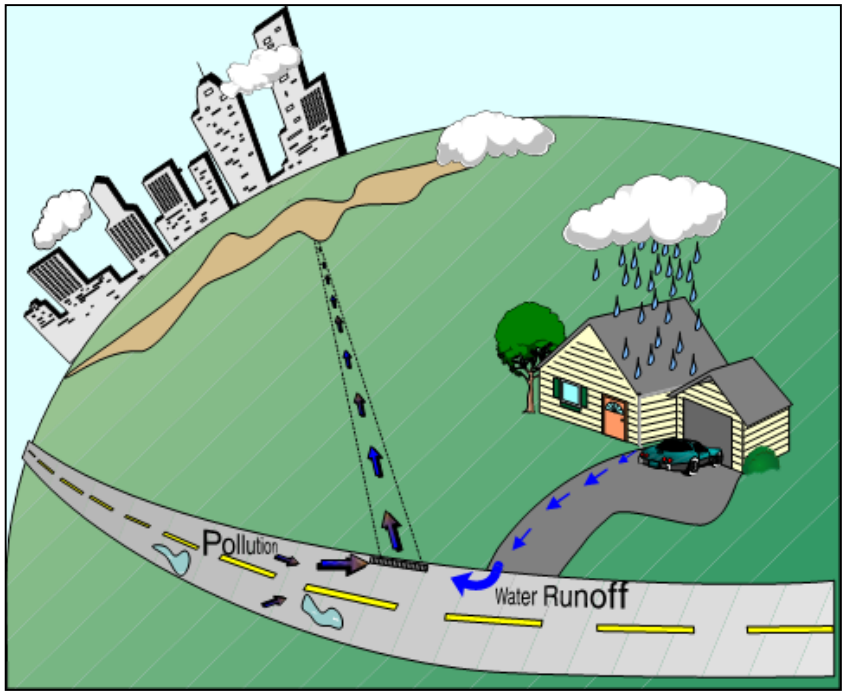
Future Conversations

April 2017	Master Drainage Plan and Model Update
August 2017	Policy Evaluation and Recommendations
October 2017	Drainage Project Prioritization Update
April 2018	TBD

Understand the Drainage Conversation

Why is Stormwater Important?

- Flood Management
- Infrastructure
- Quality of Life
- Water Quality
- Regulations



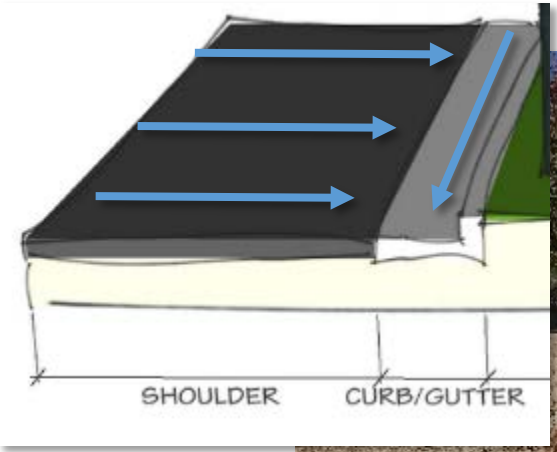
Our Understanding of Stormwater in Fair Oaks Ranch

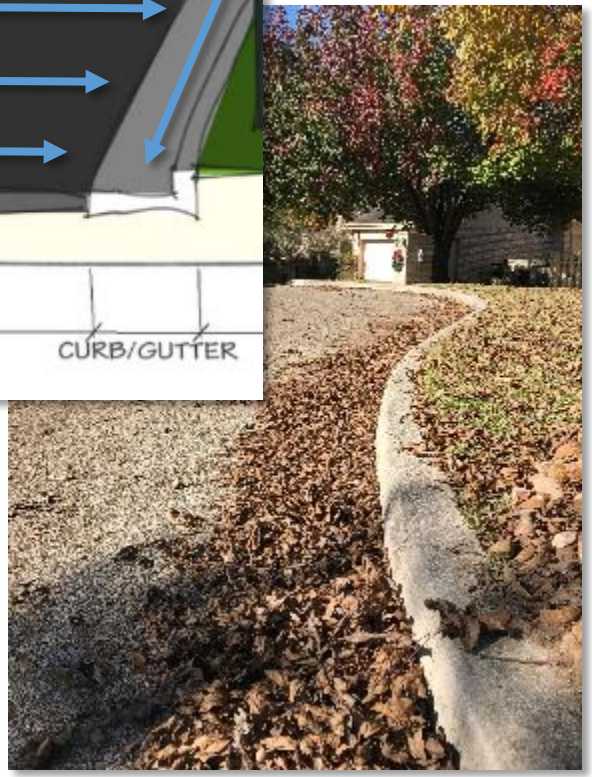
- Limited access when low-water crossings are flooding
- Obstructions in natural flow paths
- Existing developed areas
  - Localized flooding
  - Limited Collection and Conveyance
- Define a stormwater CIP

Define a Drainage System

Stormwater Drainage System Infrastructure

Stormwater Collection





Curb & Gutter

Inlets

CDM Smith

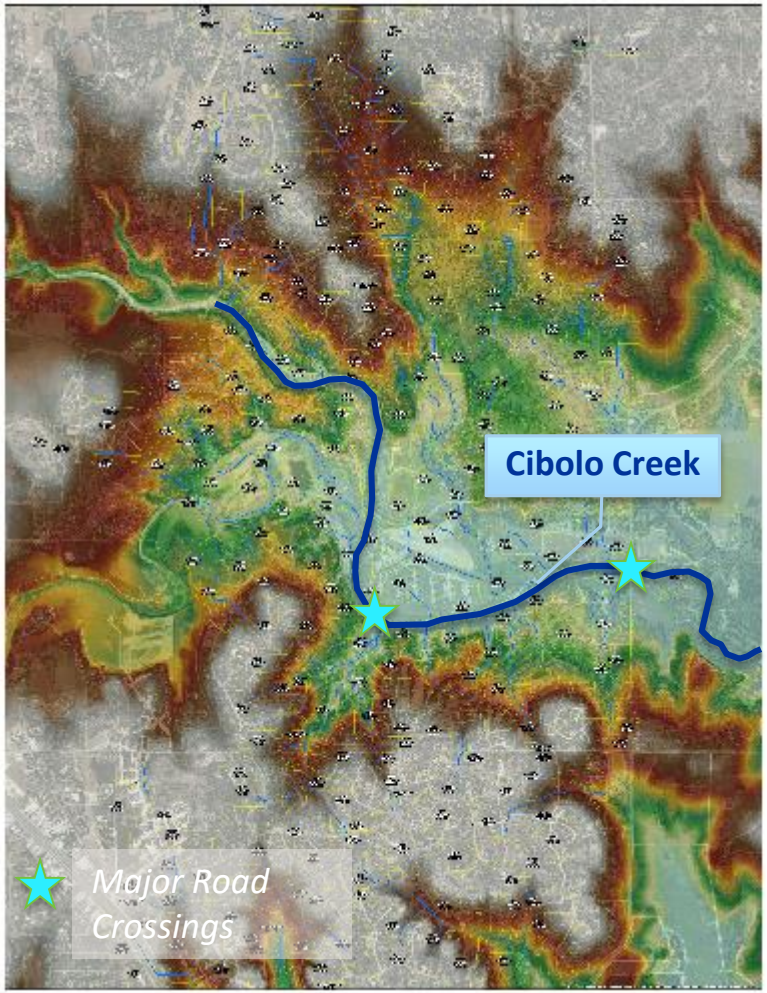
Stormwater Conveyance

Swales/Ditches

Storm Sewer Pipe & Culverts

Stormwater Storage

Receiving Water Bodies – Cibolo Creek



Identify a Framework for Stormwater Management

How do we manage stormwater?

- New Development
  - Design and Construction Criteria
  - *Example: Subdivision Regulations, Article VI & V*

- *Key Criteria:*
  - Subdivider shall provide an adequate storm drainage system to protect each lot throughout the subdivision from flooding (25-, 100-yr flows)
  - System shall be integrated with the overall drainage system of the city

How do we manage stormwater?

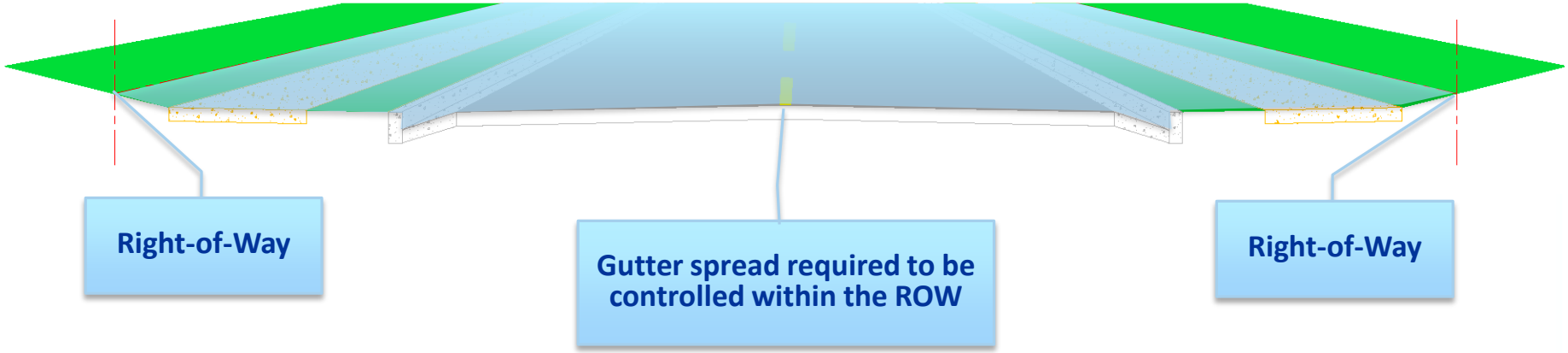
- *Subdivision Regulations, Key Criteria (cont.)*
  - **Streets can be used for stormwater drainage** if:
    - Flow depth does not exceed height of curb (10-yr storm)
    - Velocity of stormwater is less than 10 ft/second
  - "**Surface drainage from private property shall be taken to streets**, alleys, or drainage courses as quickly as possible and that drainage water from streets and alleys be taken to defined drainage courses as quickly as possible. Using streets and alleys as major drainage courses is not permitted."

Streets can be used for stormwater drainage

- Stormwater criteria related to street classifications
  - Residential
  - Collector
  - Arterial

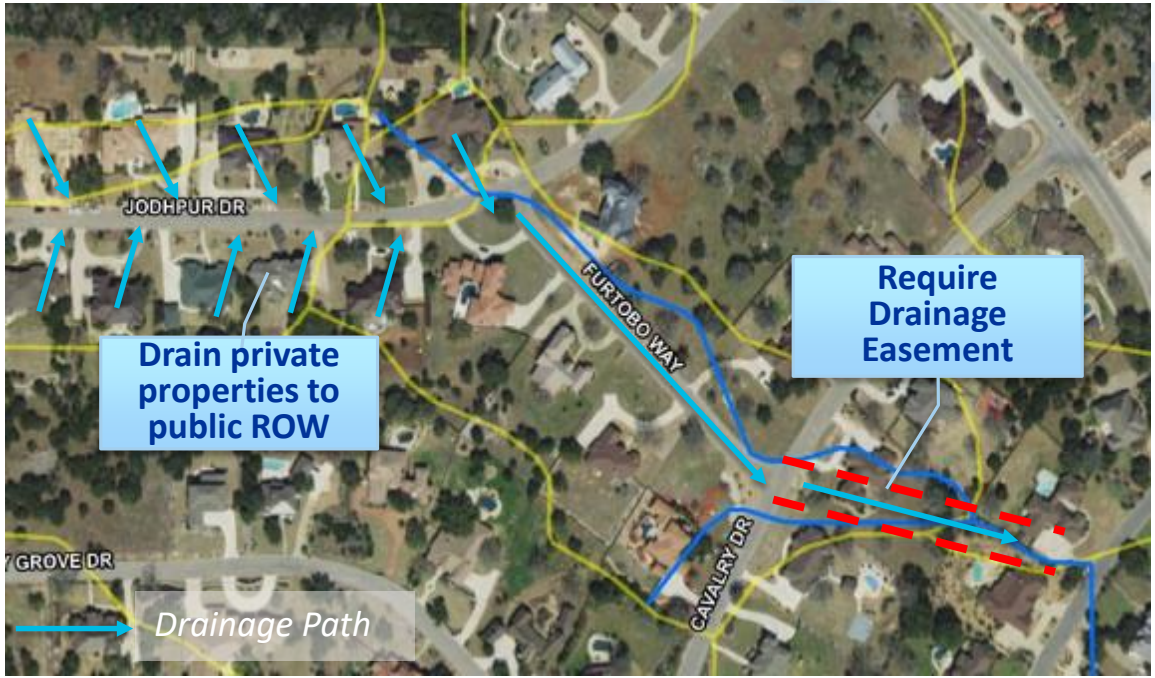
Streets can be used for stormwater drainage

- Common theme: controlling 100-year design storm within the right-of-way or drainage easement



Surface drainage from private property shall be taken to streets

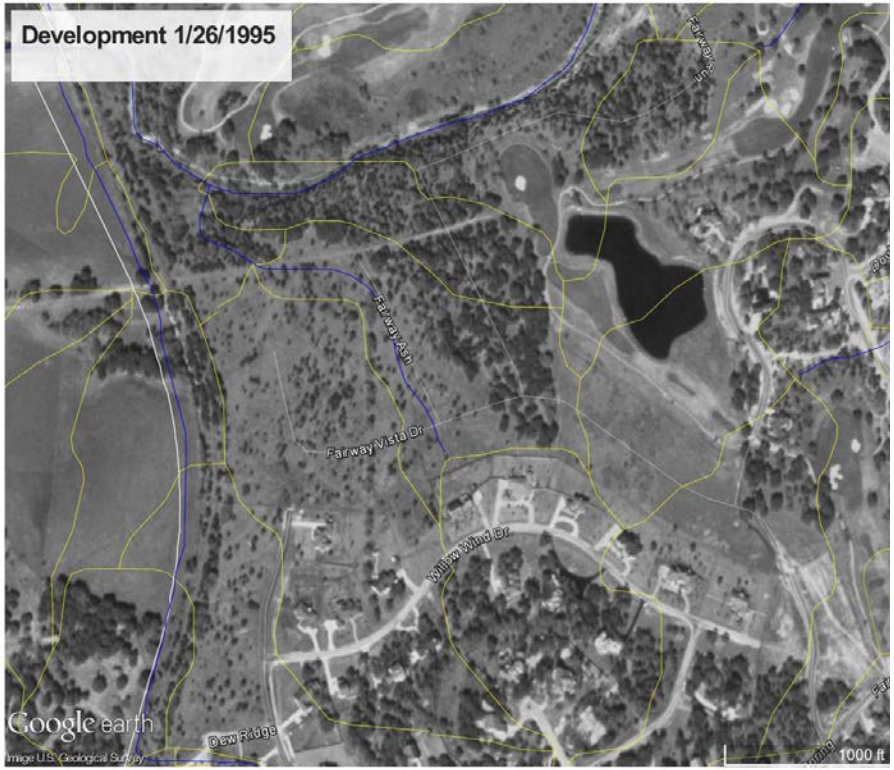
- “drainage water from streets and alleys be taken to defined drainage courses as quickly as possible
- Using streets and alleys as major drainage courses is not permitted”

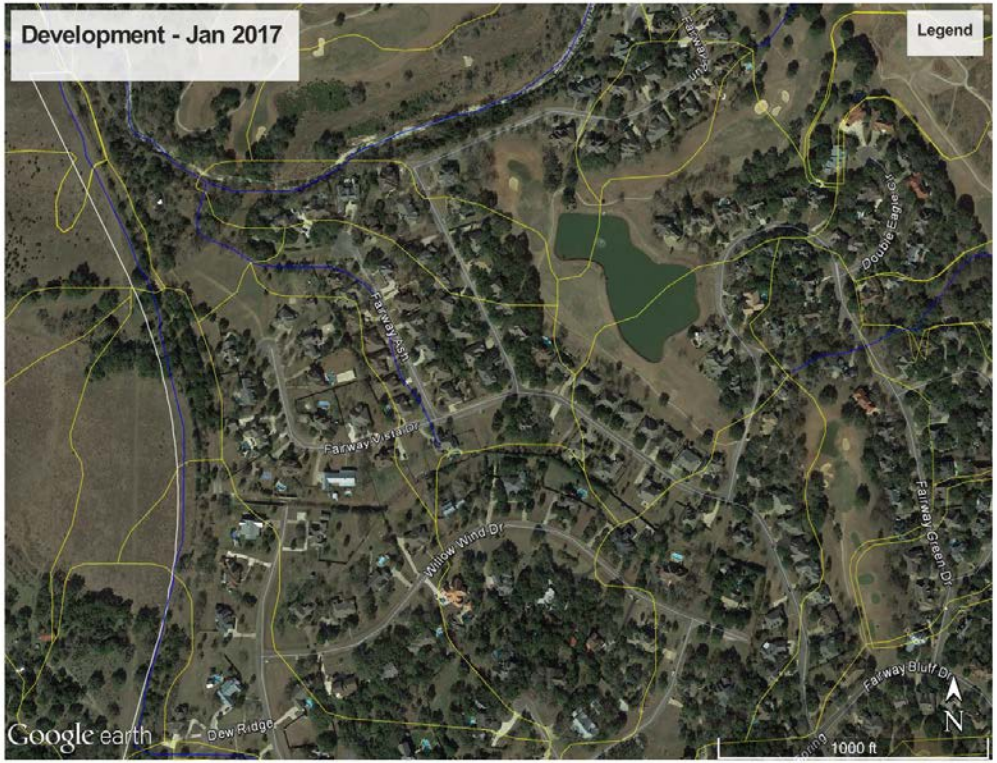


Other Examples of Stormwater Management Criteria

- Threshold for collecting and conveying stormwater triggered by size or impact of development/ redevelopment, for example:
  - > 1,000 square-feet additional impervious cover

Other Examples of Stormwater Management Criteria





Other Examples of Stormwater Management Criteria

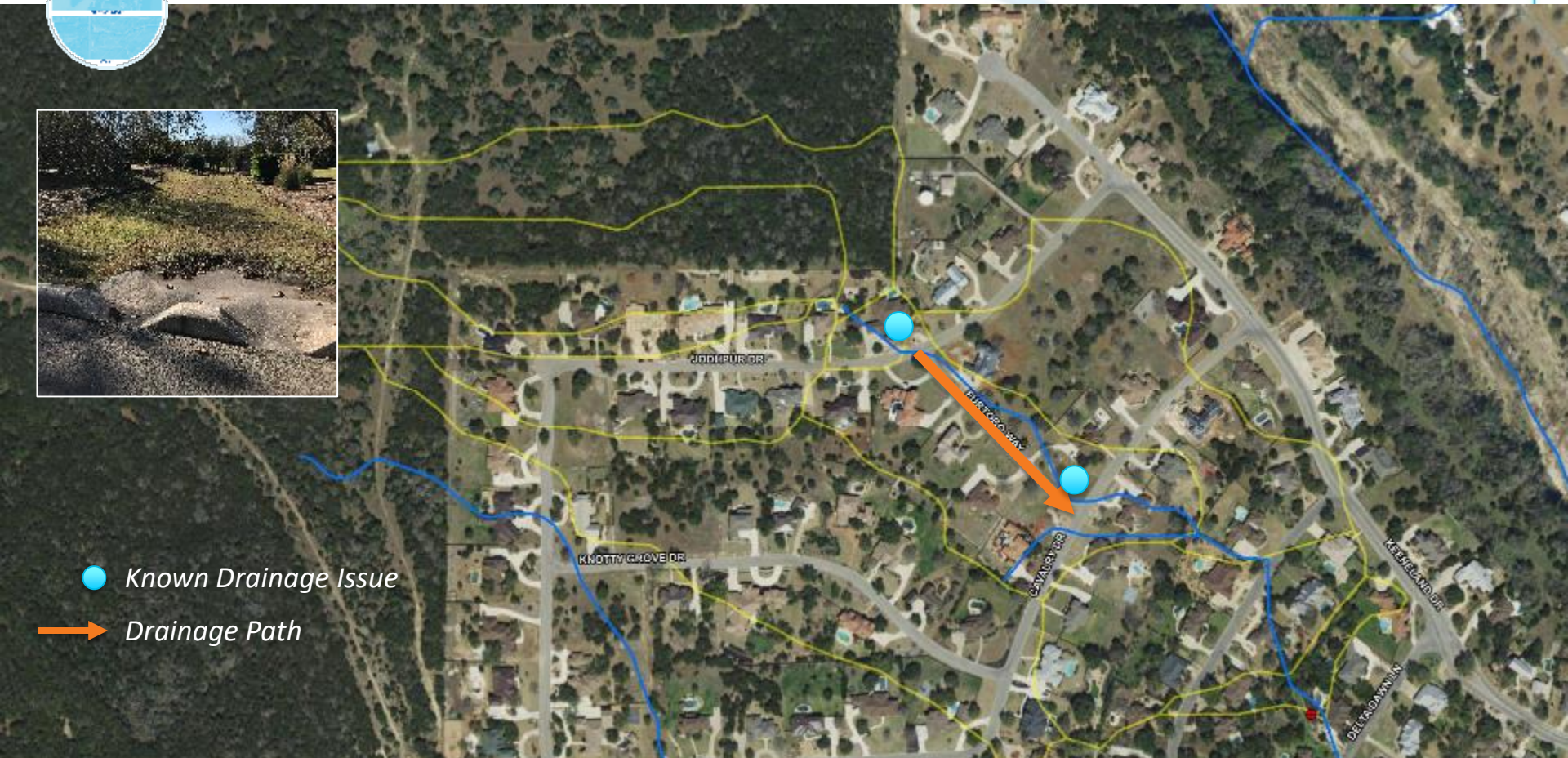
- Drainage area as threshold:
  - > 10 acres
  - > 20 acres
  - > 150 acres

What criteria are other cities using?

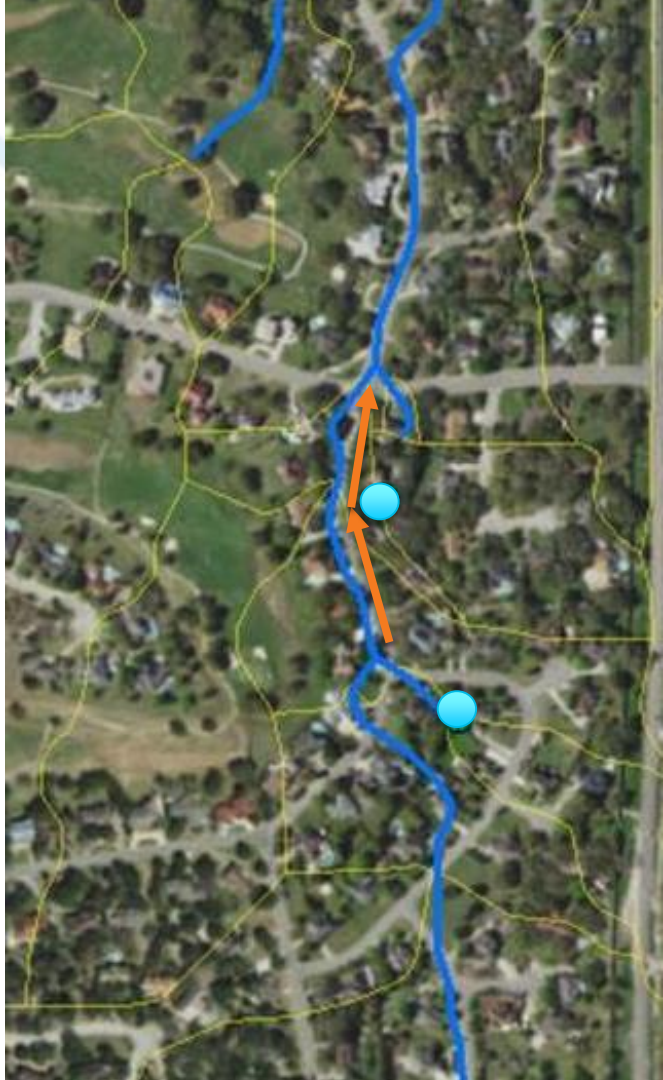
City	Streets Used for Conveyance	Drain Private to Public ROW Drainage Easement	Drainage System Dedicated to City	Increased Impervious Cover Threshold	Total Developed Area Threshold	Increased Design Storm Flows Threshold
New Braunfels	☑	☑	☑	☑		
Boerne	☑	☑	☑		☑	
Alamo Heights		☑	☑			☑
Helotes	☑					
Pleasanton		☑	☑		☑	
Kerrville	☑	☑			☑	
San Marcos	☑					☑

Review Examples Stormwater Management

Existing Regional Drainage Issues



Existing Lot-Level Drainage Issues



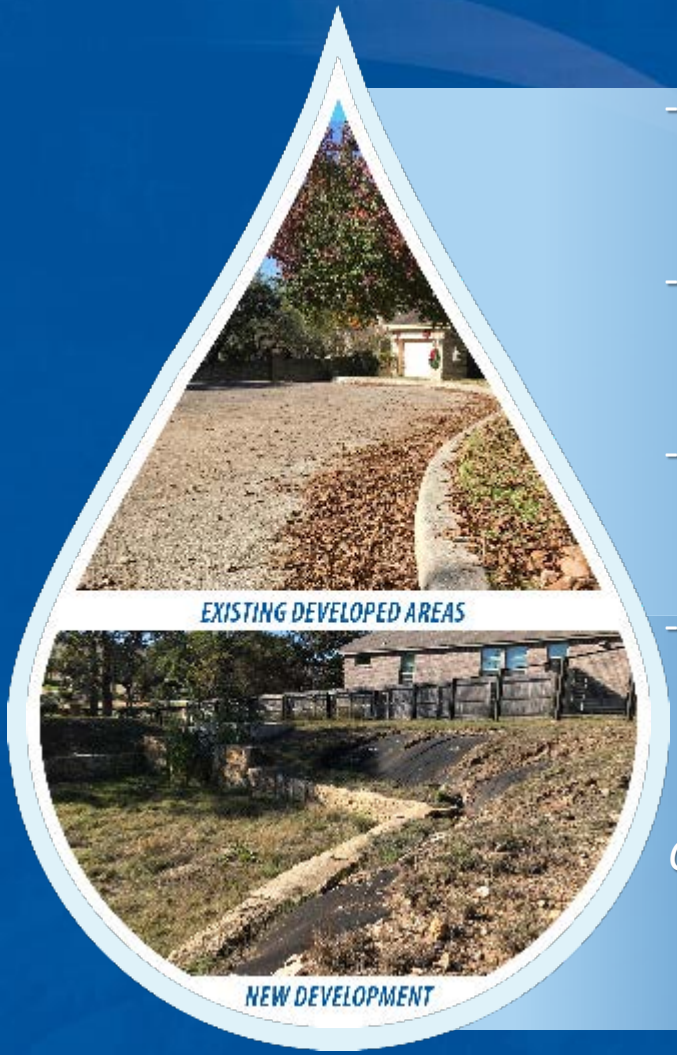
Known Drainage Issue

Drainage Path

Existing Public Right-of-Way Drainage Issues

Consider Questions

Integrated Policy Provides Consistent Framework



- *What is City stormwater infrastructure?*
- *What type of stormwater service does the City desire?*
- *How are easements defined to provide this service?*
- *How can the City meet MS4 (water quality) requirements with its criteria?*

Coordinate with Gap Strategies to integrate stormwater into Comprehensive Land Use update

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Complex projects like these are why engineers and specialists like us get up in the morning. Their "pay-it-forward" nature of helping communities grow in ways that make them places people live and love to be a part of make every challenge even more worth overcoming.

Questions?

STORMWATER DRAINAGE 102: UNDERSTANDING THE TOOLS

Council Workshop

Master Drainage Plan & MS4 Assistance Services

May 4, 2017

Today's Objective & Ground Rules

- Objective:
  - *Provide additional details and background information about stormwater modeling and how it is used as a tool.*
  - *Set the stage for future discussions and decisions of City responsibility of the stormwater system.*

- Ground Rules:
  - *Start and end this conversation together, over the next 6 months*
  - *Respectful disagreement encouraged*
  - *One conversation at a time*
  - *Be bold*
  - *No silent objectors*

Agenda:

- Review Workshop #1 *(10 minutes)*
- Understand a Stormwater Model *(20 minutes)*
- Define Levels of Stormwater Service *(10 minutes)*
- Apply Stormwater Model and Level of Service – Examples *(10 minutes)*
- Consider Questions for Workshop #3 *(5 minutes)*

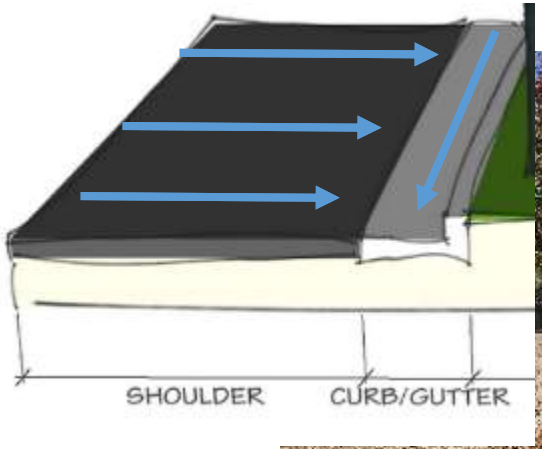
Future Conversations

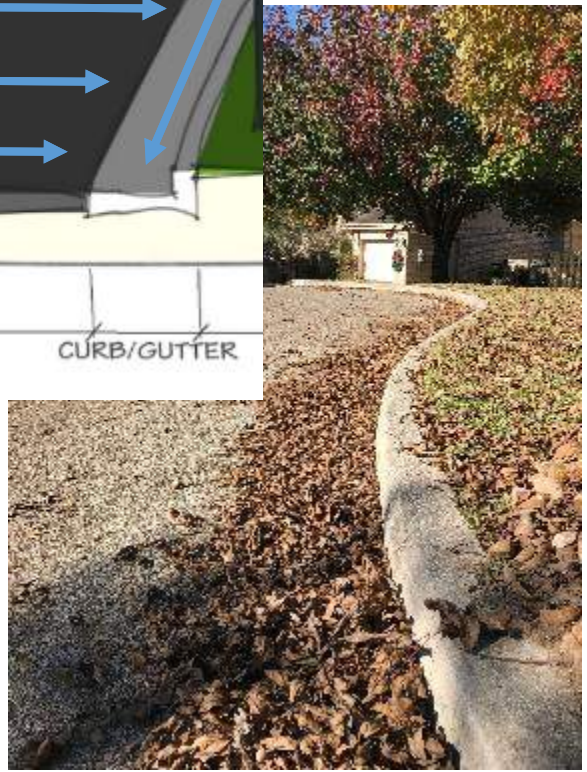
March 2017	Stormwater Drainage 101: *A Conversation on Criteria*
May 2017	Stormwater Drainage 102: *Understanding the Tools*
August 2017	Policy Evaluation and Recommendations
October 2017	Drainage Project Prioritization Update

Review Workshop #1 *(20 minutes)*

Stormwater Drainage System Infrastructure

Stormwater Collection





Curb & Gutter

Inlets

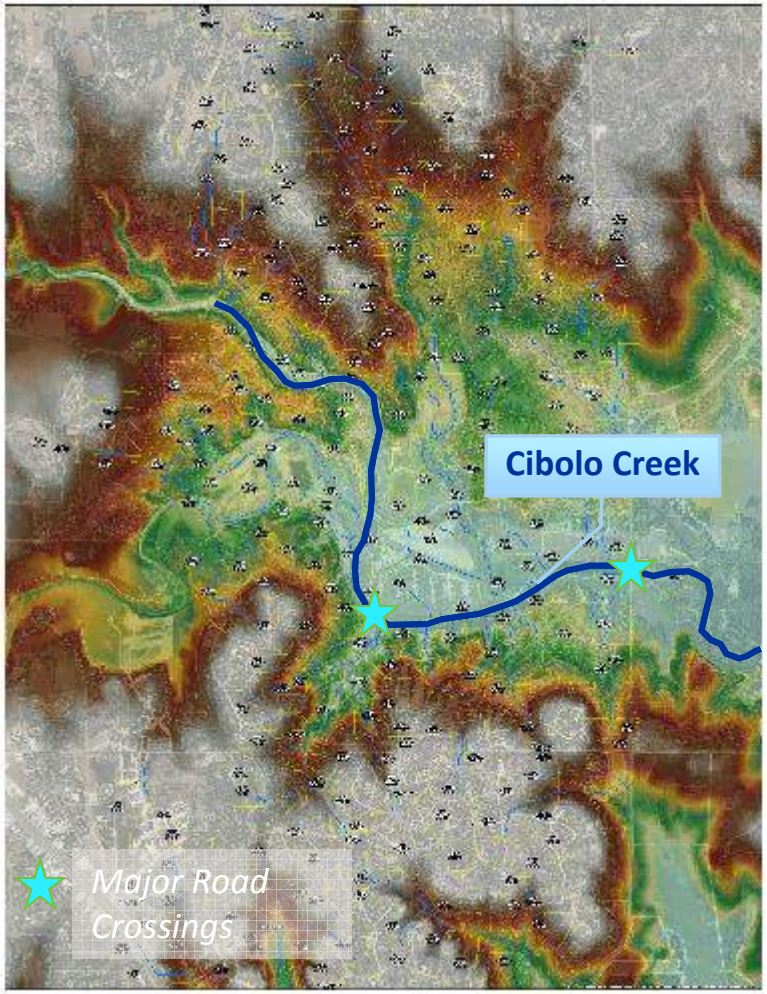
Stormwater Conveyance

Swales/Ditches

Storm Sewer Pipe & Culverts

Stormwater Storage

Receiving Water Bodies – Cibolo Creek



How do we manage stormwater?

- New Development
  - Design and Construction Criteria
  - *Example: Subdivision Regulations, Article VI & V*

- *Key Criteria:*
  - Subdivider shall provide an adequate storm drainage system to protect each lot throughout the subdivision from flooding (25-, 100-yr flows)
  - System shall be integrated with the overall drainage system of the city

How do we manage stormwater?

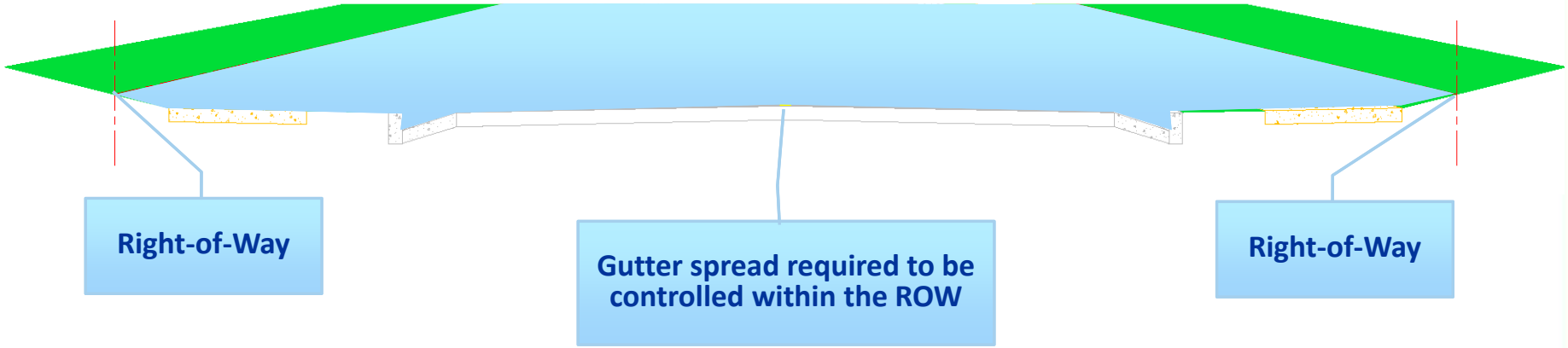
- *Subdivision Regulations, Key Criteria (cont.)*
  - **Streets can be used for stormwater drainage** if:
    - Flow depth does not exceed height of curb (10-yr storm)
    - Velocity of stormwater is less than 10 ft/second
  - "**Surface drainage from private property shall be taken to streets**, alleys, or drainage courses as quickly as possible and that drainage water from streets and alleys be taken to defined drainage courses as quickly as possible. Using streets and alleys as major drainage courses is not permitted."

Streets can be used for stormwater drainage

- Stormwater criteria related to street classifications
  - Residential
  - Collector
  - Arterial

Streets can be used for stormwater drainage

- Common theme: controlling 100-year design storm within the right-of-way or drainage easement



Surface drainage from private property shall be taken to streets

- “drainage water from streets and alleys be taken to defined drainage courses as quickly as possible
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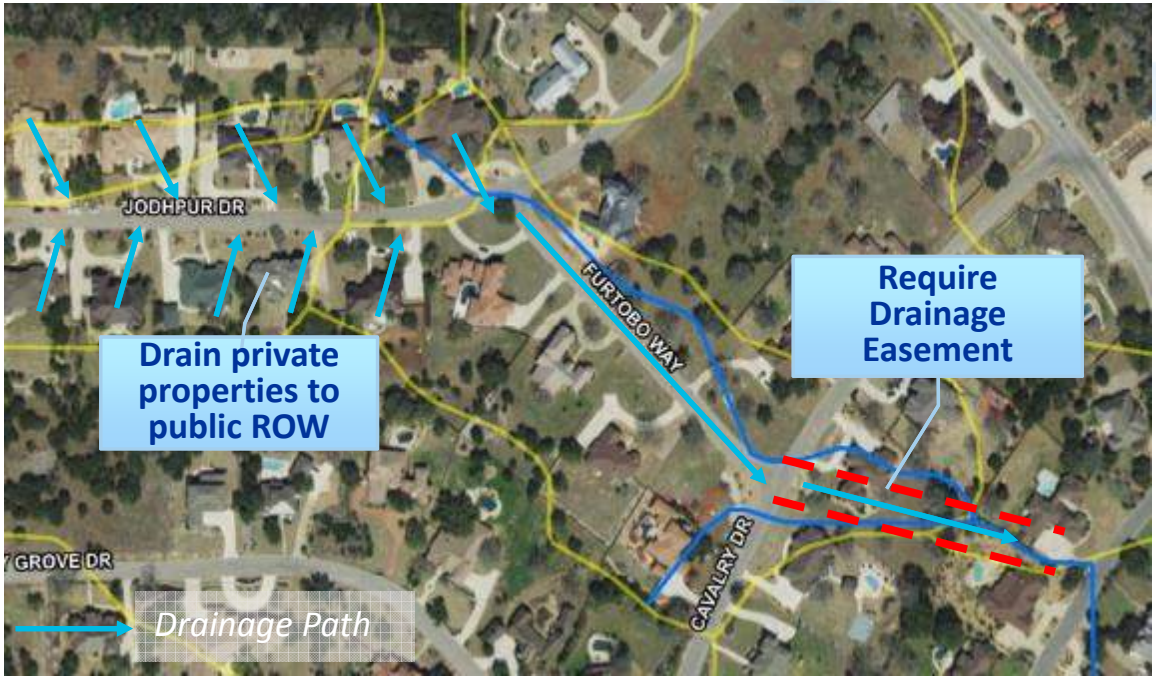

Other Examples of Stormwater Management Criteria

- Threshold for collecting and conveying stormwater triggered by size or impact of development/ redevelopment, for example:
  - > 1,000 square-feet additional impervious cover

Other Examples of Stormwater Management Criteria

- Drainage area as threshold:
  - > 10 acres
  - > 20 acres
  - > 150 acres

What criteria are other cities using?

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San Marcos	☑					☑

Integrated Policy Provides Consistent Framework

- *What is City stormwater infrastructure?*
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Coordinate with Gap Strategies to integrate stormwater into Comprehensive Land Use update

Stormwater Drainage 102: Pre-Work

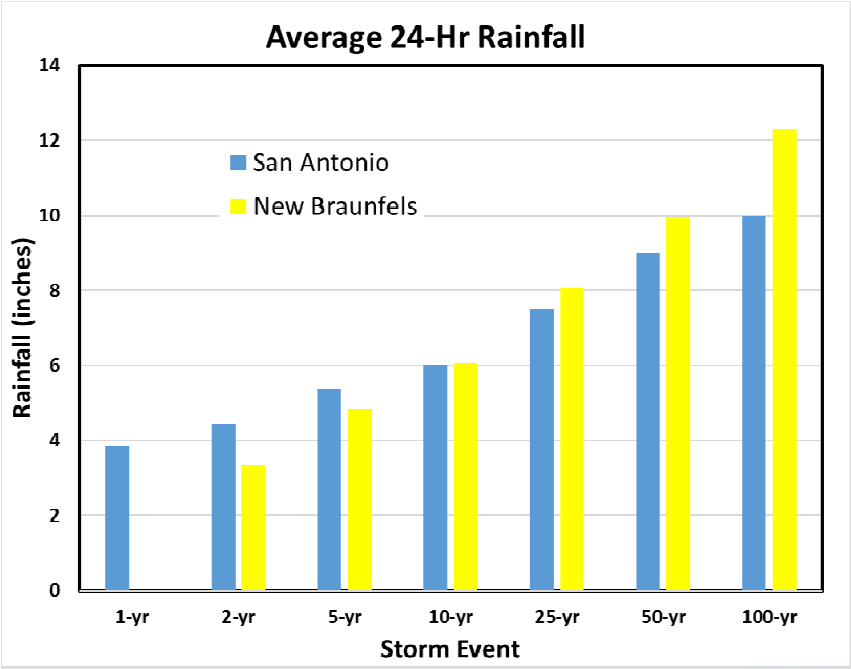
- Design Criteria of Other Communities *(Table)*
- Slides from Stormwater Drainage 101
- Workshop Attendee Questionnaire *(Survey Genius)*
- Meeting Minutes from Workshop #1

Understanding a Stormwater Model

Rain Events

- "X-year" event describes the probability that a storm of a certain size will occur in a given year. "X" refers to the average time that passes between storms of this size
- Larger storms are less common than smaller storms

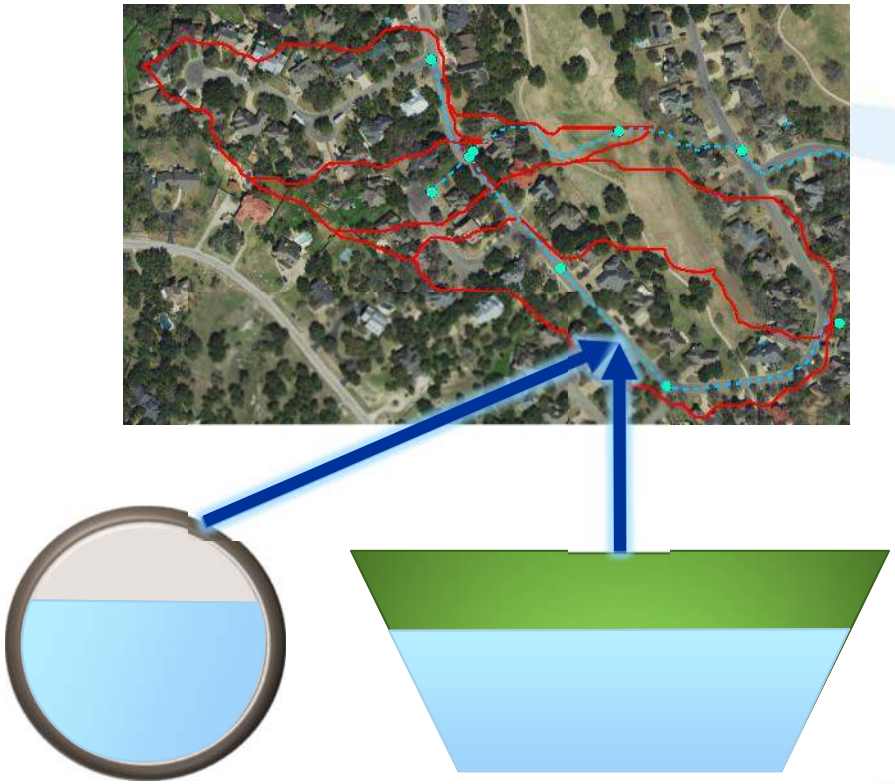
Storm	Annual Probability	San Antonio Average Rainfall (24-hr Duration)	New Braunfels Average Rainfall (24-hr Duration)
1-yr	99.99%	3.85 in	N/A
2-yr	50%	4.44 in	3.34 in
5-yr	20%	5.36 in	4.83 in
10-yr	10%	6.00 in	6.06 in
25-yr	4%	7.50 in	8.06 in
50-yr	2%	9.00 in	9.96 in
100-yr	1%	10.00 in	12.30 in



Understanding a Stormwater Model

- Hydrology
  - Quantifying the amount of water generated as runoff by a defined surface area.

- Hydraulics
  - Flow in pipes and open channels connecting the runoff flow paths



Hydrology

- Amount of runoff (Q) depends on:
  - Size of drainage area

    Larger area → higher flows

  - Imperviousness of drainage area

    Higher imperviousness means less stormwater infiltrated → higher flows
  - Slope of drainage area

    Steeper slopes → higher flows
  - Rainfall intensity (rainfall inches over given time period)

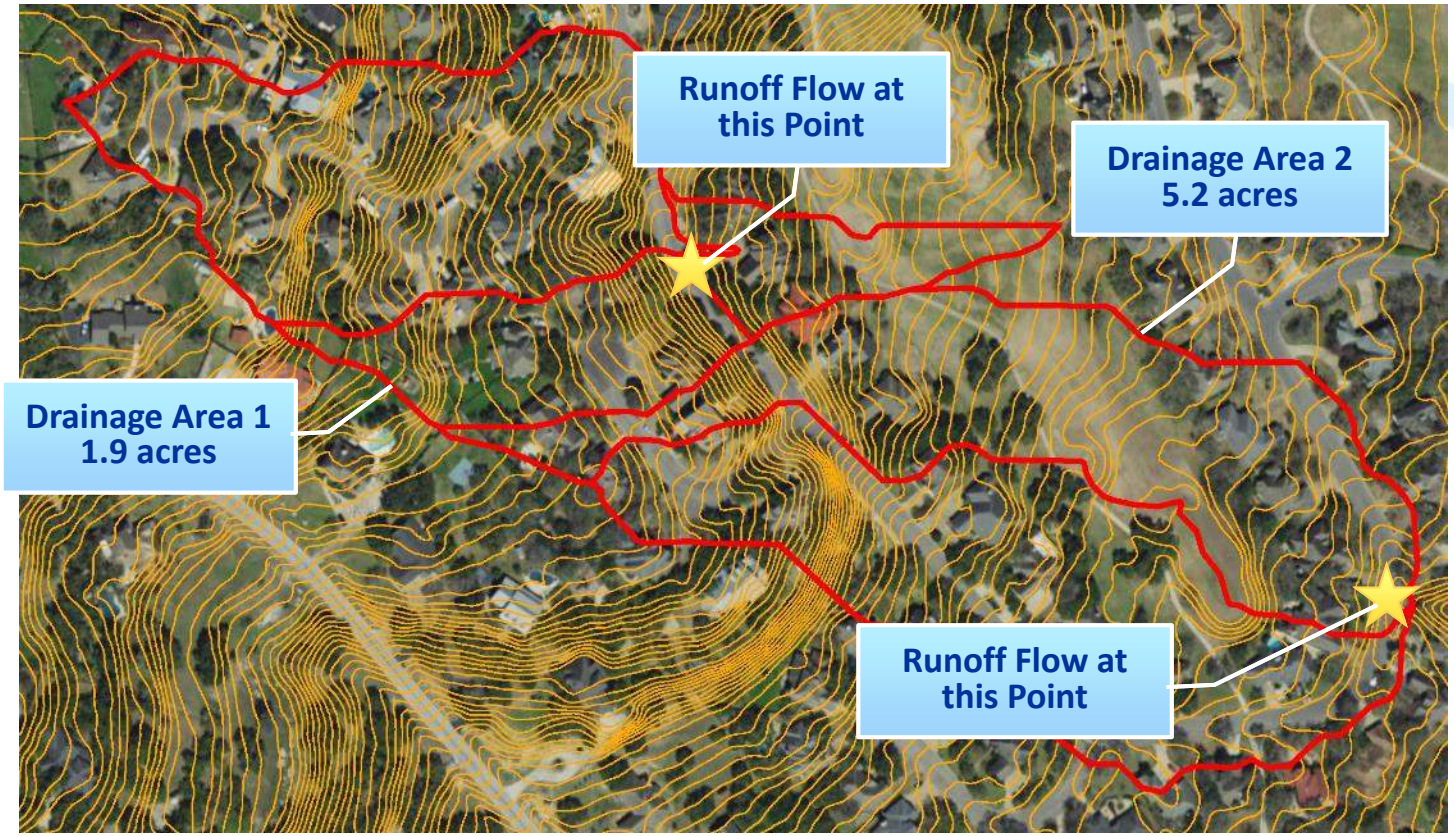
    Larger storm → higher flows

Hydrology

- C = Runoff Coefficient
  - Dependent on imperviousness and slope
- i = Rainfall Intensity (in/hr)
  - Based on storm frequency and time for water to flow between two points
- A = Drainage Area (acres)
- Q = Surface Runoff

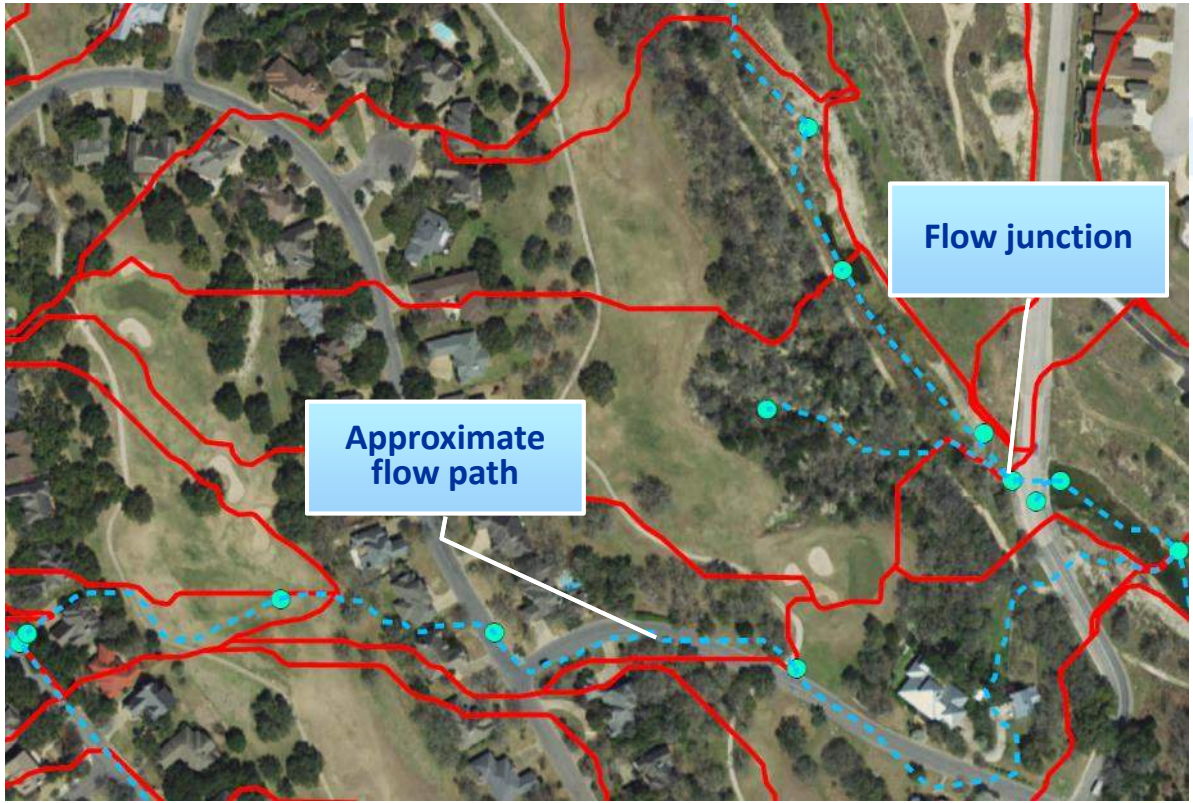
$$Q = C \times i \times A$$

Hydrology – Example



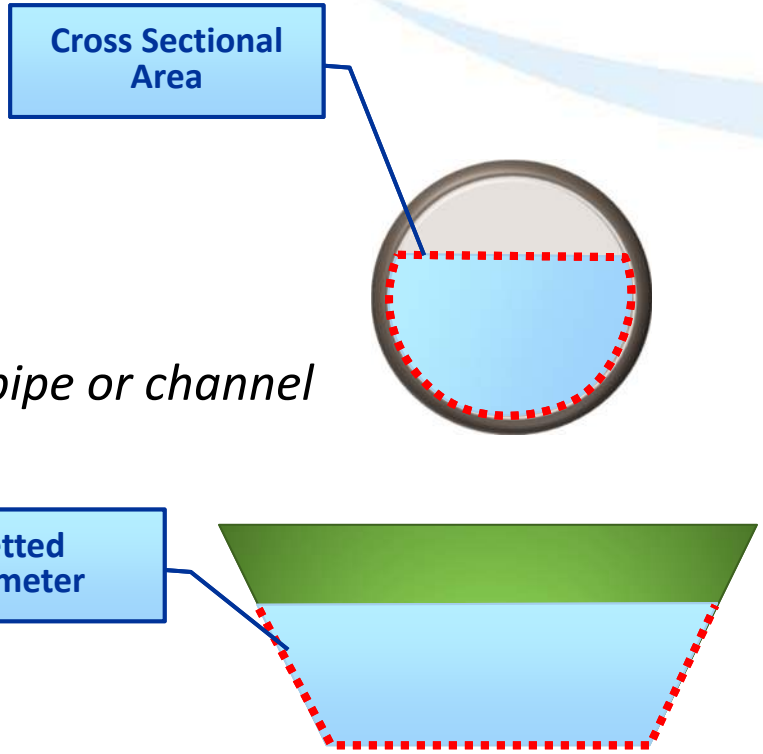
Hydraulics

- How runoff (Q) flows are connected and routed through the stormwater system



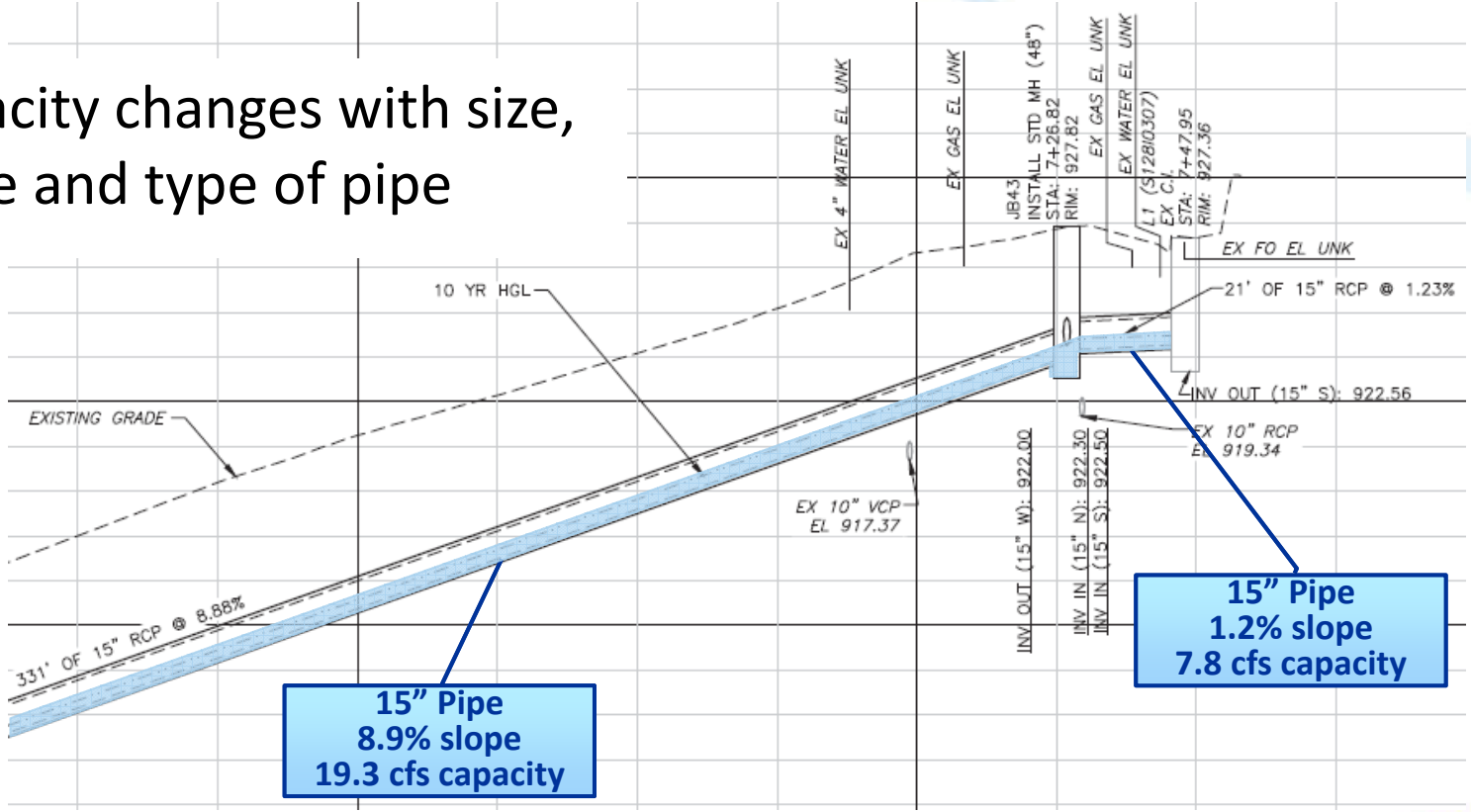
Hydraulics

- Flow Depends on:
  - *Roughness of pipe or channel*
  - *Cross sectional area of flow in the pipe or channel*
  - *Wetted perimeter of flow*
  - *Slope of pipe or channel*



Hydraulics Example – How Capacity Changes

- Capacity changes with size, slope and type of pipe



Defining Levels of Stormwater Service

Fair Oaks Ranch – Design Rain Events

- Design level of service (LOS) rain events based on storm sizes the system is designed to control

Storm	Annual Probability	San Antonio Average Rainfall (24-hr Duration)	New Braunfels Average Rainfall (24-hr Duration)
1-yr	99.99%	3.85 in	N/A
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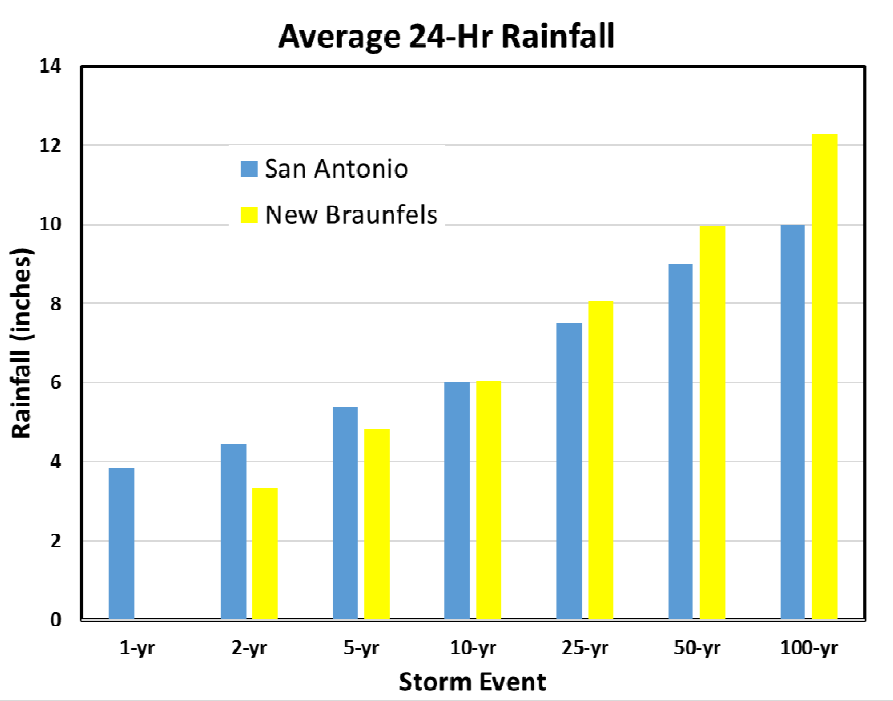

Stormwater Collection

Inlets

- Inlets
  - Typical Design
    - 10-year (6.0 in Storm)
    - 25-year (7.5 in Storm)

Stormwater Conveyance

Storm Sewer Pipe & Culverts

Swales/Ditches

- Typical Design:
  - Pipes, Ditches:
    - 10-year Flow
      - Pipe Size for Drainage Area in Example:
      - 18” pipe or 1’ X 2.5’ channel
    - 25-year Flow
      - Pipe Size for Drainage Area in Example:
      - 21” pipe or 1’ X 3’ channel

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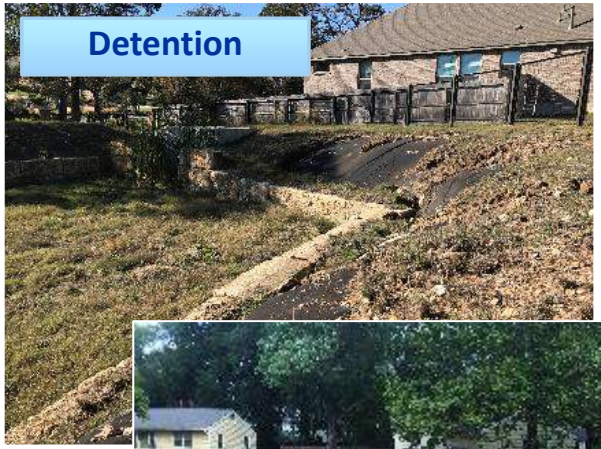
Stormwater Conveyance

- Typical Design:
  - Culvert Crossings:
    - 10-year Flow
      - 42” Pipe
    - 25-year Flow
      - 48” Pipe
    - 100-year Flow
      - 60” Pipe

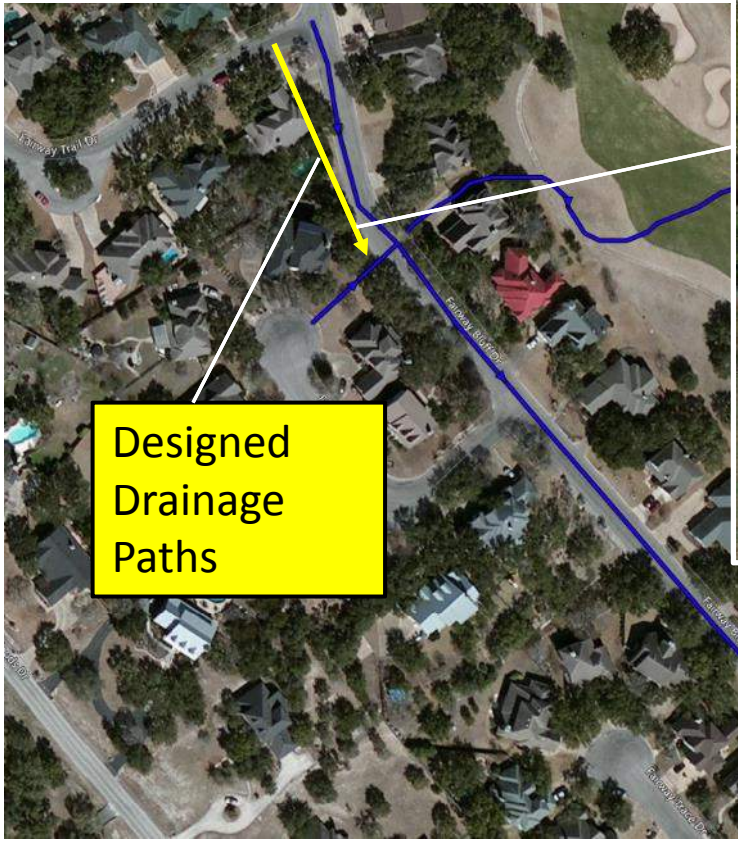
Stormwater Storage



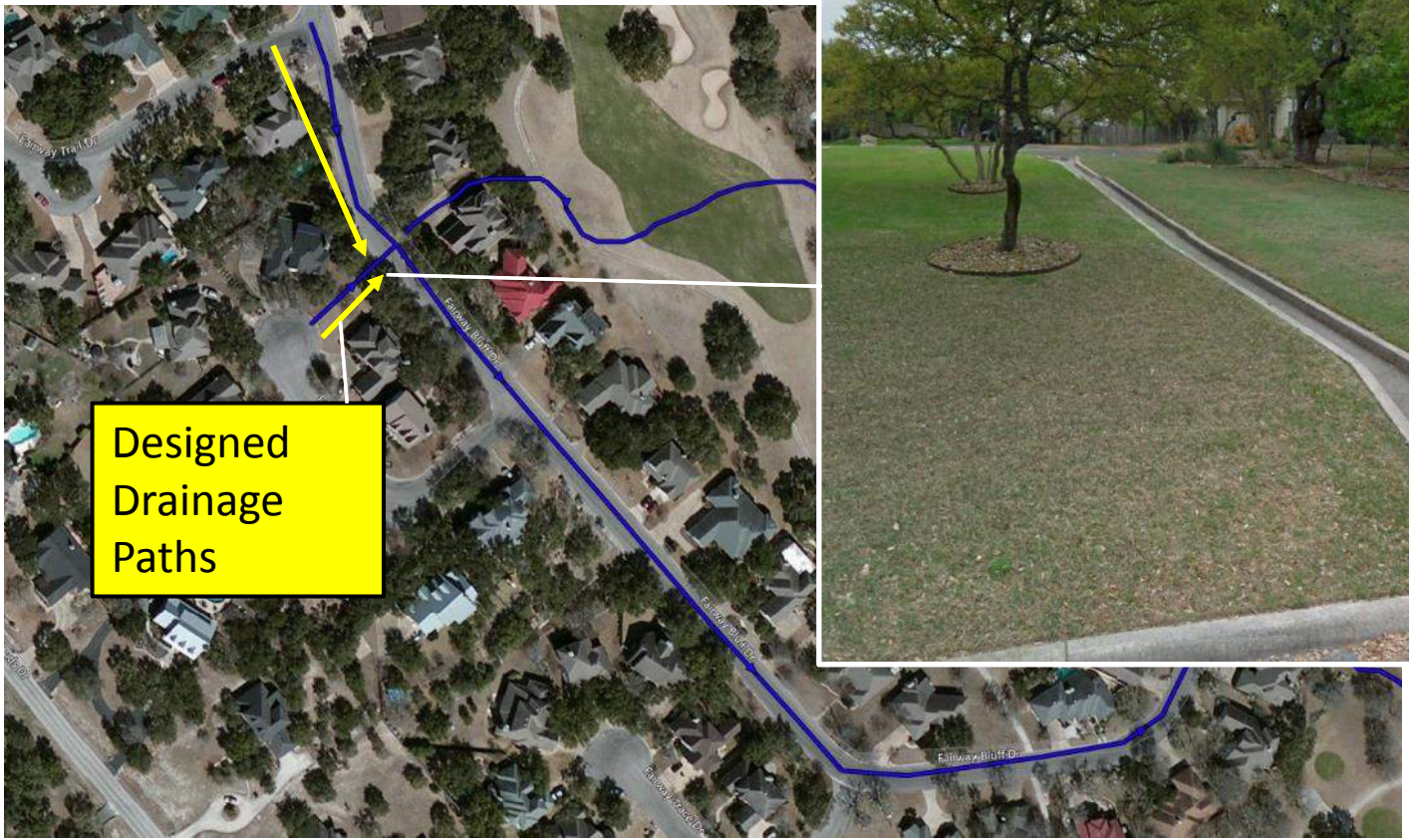
- Typical Design:
  - Detention:
    - Typical Drainage Area: 10 to 50 acres
    - 100-year Rainfall Event
      - 10” rainfall
  - Bioretention:
    - Typical Drainage Area: up to 5 acres
    - Up to 2-year Rainfall Event
      - 4.44” rainfall

Applying the Stormwater Model and Levels of Service

Modeling Example



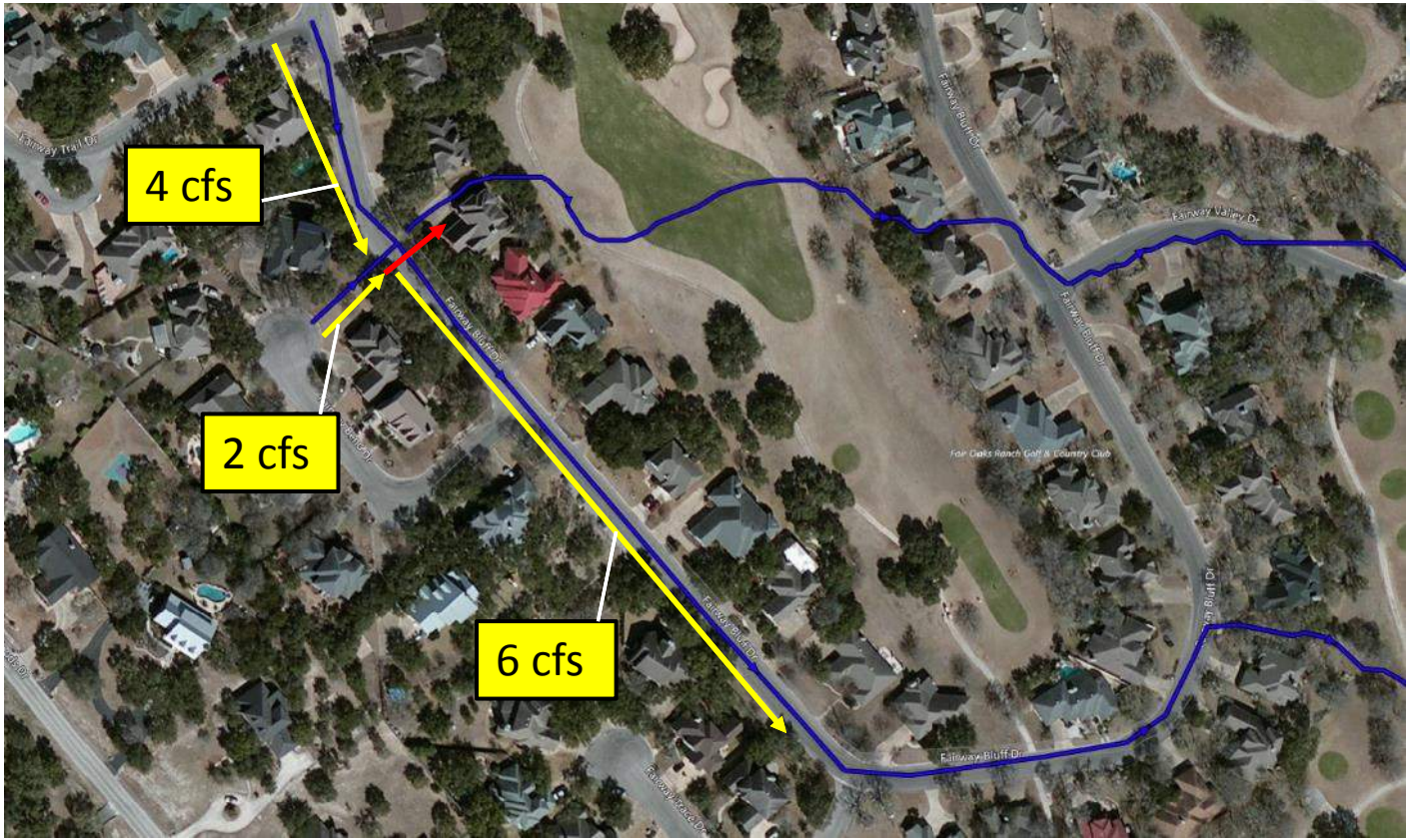
Modeling Example



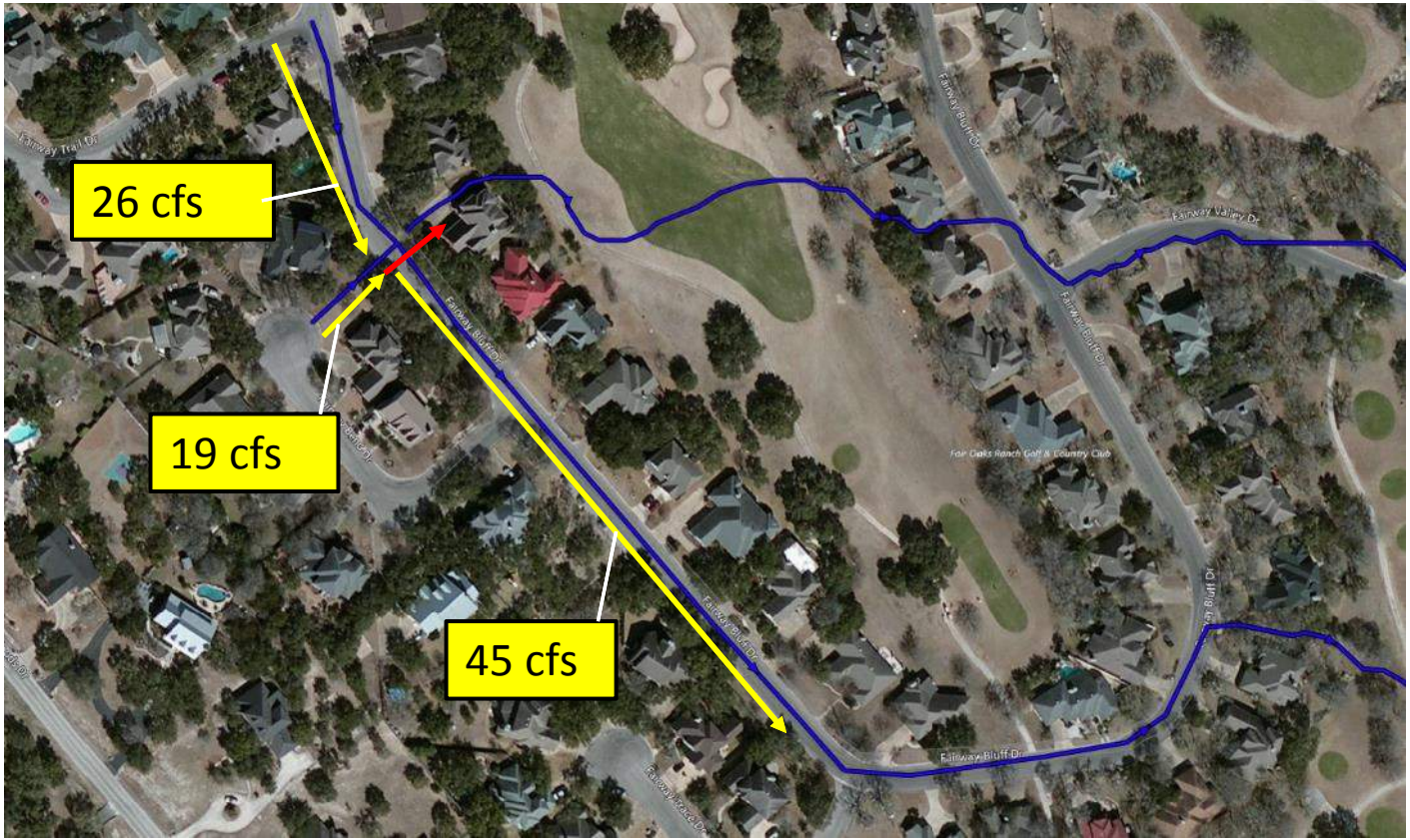
Modeling Example

Modeling Example

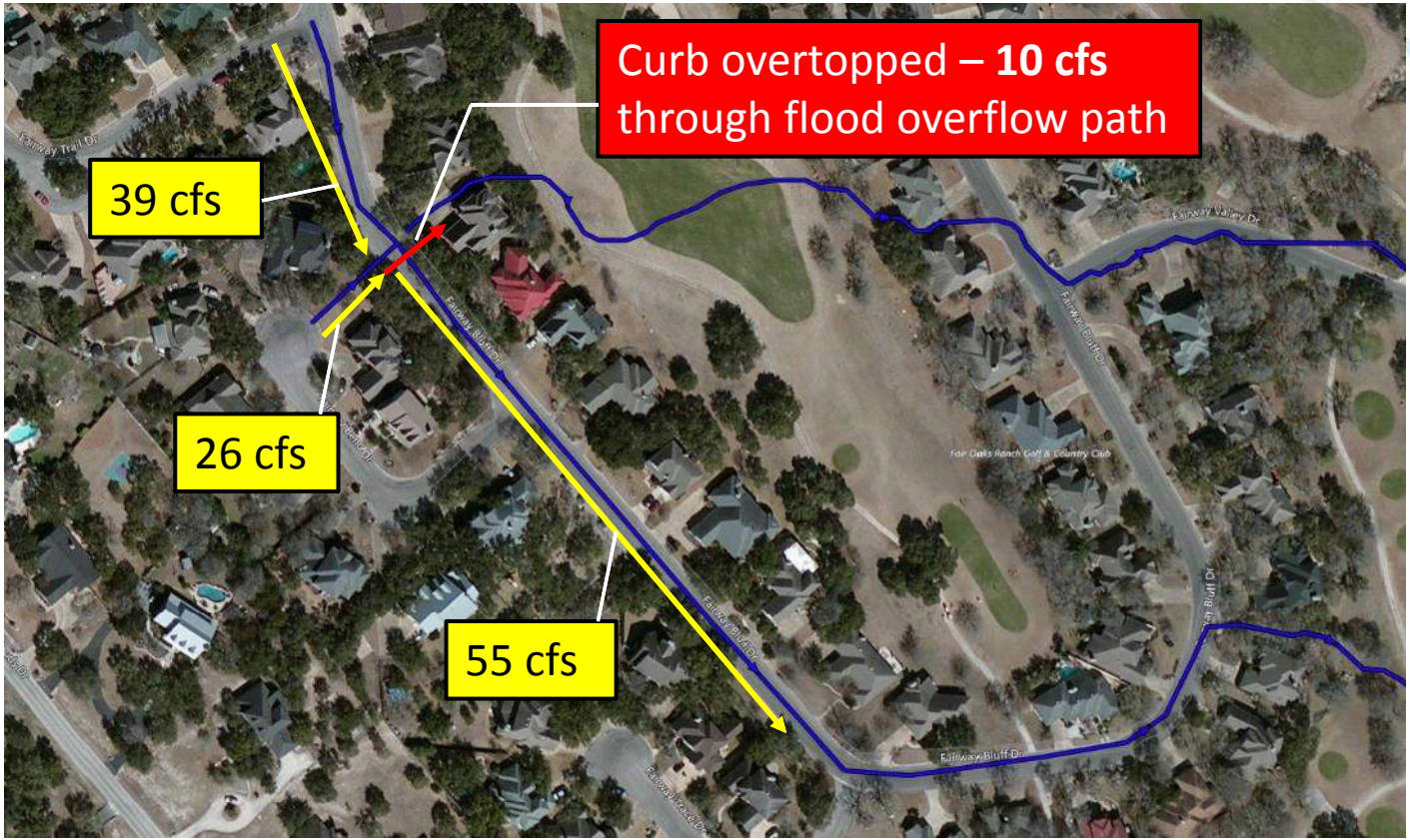
Modeling Calculations – 2-year Event



Modeling Calculations – 10-year Event



Modeling Calculations – 25-year Event



Integrated Policy Provides Consistent Framework

- *What is City stormwater infrastructure?*
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- *How are easements defined to provide this service?*
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Coordinate with Gap Strategies to integrate stormwater into Comprehensive Land Use update

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STORMWATER DRAINAGE 103: POLICY & RESPONSIBILITY

Council Workshop

Master Drainage Plan & MS4 Assistance Services

August 2017

CDM Smith

Today's Objective & Ground Rules

- Objective:
  - *Provide decision points on City policy for new stormwater design criteria.*
  - *Set the stage for improvement project recommendations.*
  - *Initiate community discussions on responsibility for the storm system.*
- Ground Rules:
  - *Start and end this conversation together, over the next 6 months*
  - *Respectful disagreement encouraged*
  - *One conversation at a time*
  - *Be bold*
  - *No silent objectors*

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Agenda:

1. Meeting Objectives and Ground Rules
2. Review Workshops 1 and 2 Materials
3. Discuss Policy and Define Design Criteria: Shaping the City's Stormwater Future
   a) Existing Stormwater System Condition
   b) Level of Service – Existing System vs. Future System
   c) Public and Private Responsibilities
4. Next Steps – Drainage Project Prioritization

Future Conversations

March 2017	Stormwater Drainage 101: *A Conversation on Criteria*
May 2017	Stormwater Drainage 102: *Understanding the Tools*
August 2017	Policy Evaluation and Recommendations
October 2017	Drainage Project Prioritization Update

Review Workshop #1

Stormwater Drainage System Infrastructure

- Curb & Gutter
- Storm Sewers & Inlets
- Ditches & Channels
- Culverts & Bridges
- Creeks, Streams & Rivers
- Storage
- Recharge Areas

Types of Stormwater Infrastructure

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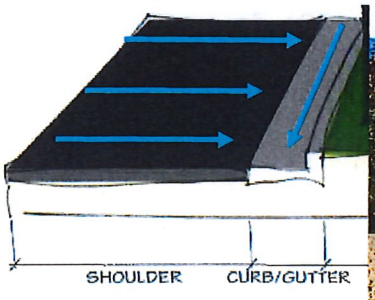
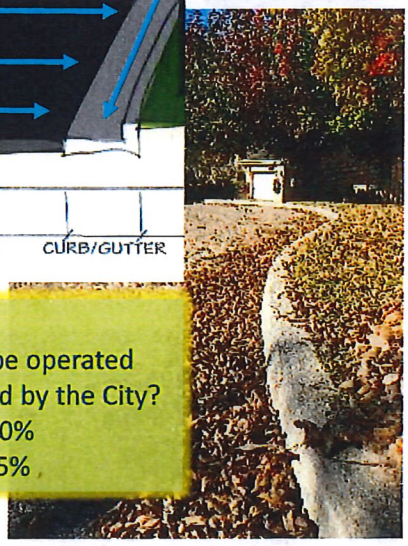
Stormwater Collection

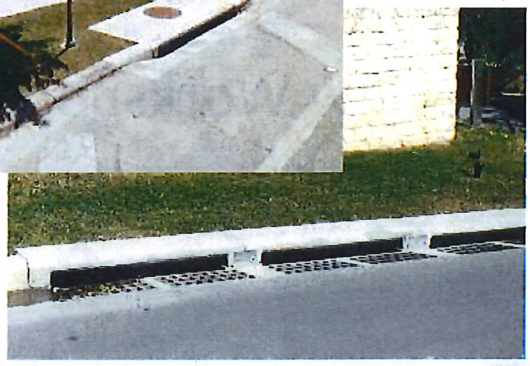


Curb & Gutter



Poll Results:
Should these be operated and maintained by the City?
- Public – 100%
- Private – 75%

Inlets



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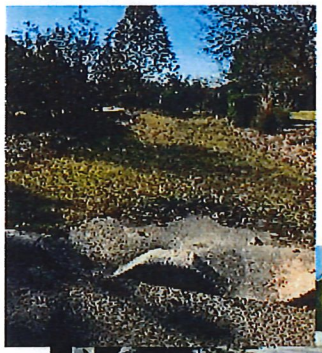
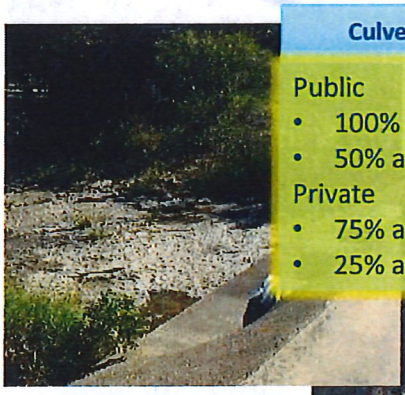
Stormwater Conveyance



Swales/Ditches

Public – 83.3%
Private – 50%



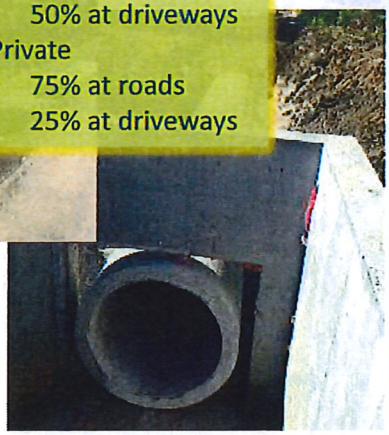
Culverts

Public
- 100% at roads
- 50% at driveways

Private
- 75% at roads
- 25% at driveways

Storm Sewer Pipe

Public – 83.3%
Private – 50%



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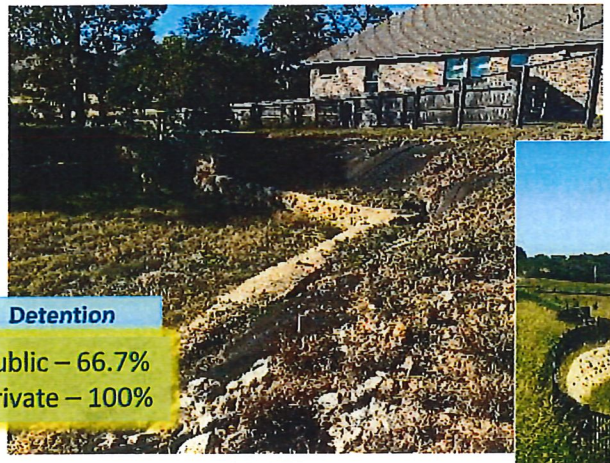
Stormwater Storage



Detention

Public – 66.7%
Private – 100%

Recharge Areas

Public – 66.7%
Private – 83.3%

Bioretention

Wetland

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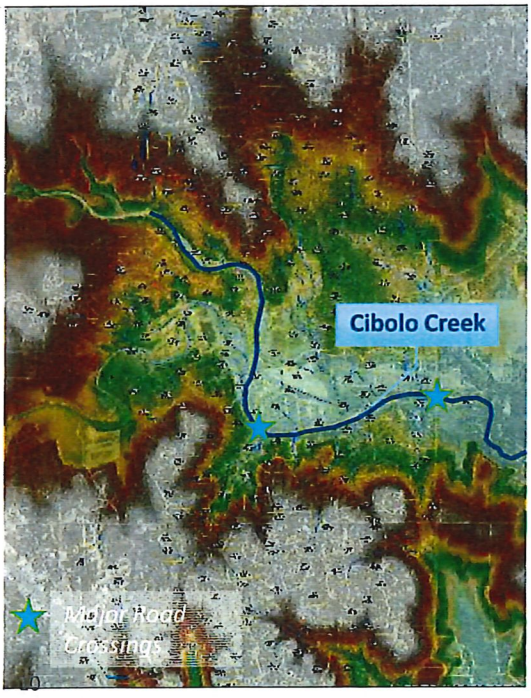
Receiving Water Bodies – Cibolo Creek



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- *Subdivision Regulations, Key Criteria (cont.)*
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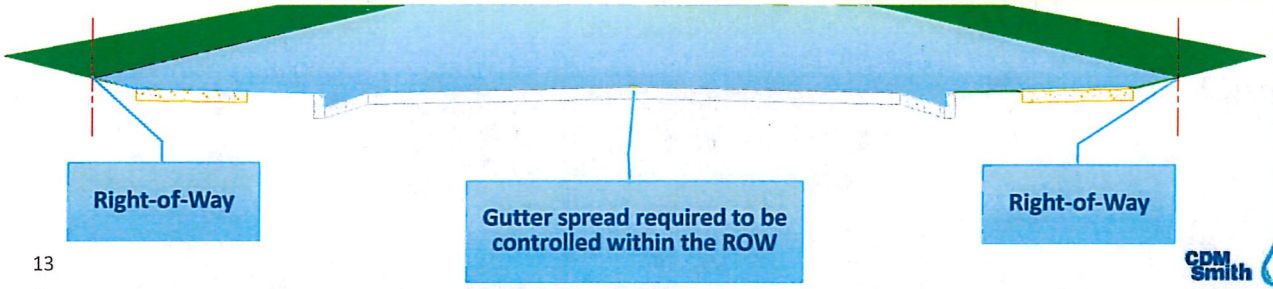
    - Velocity of stormwater is less than 10 feet per second
      - Note that the storm event is not specified
  - "**Surface drainage from private property shall be taken to streets**, alleys, or drainage courses as quickly as possible and that drainage water from streets and alleys be taken to defined drainage courses as quickly as possible. Using streets and alleys as major drainage courses is not permitted."

Streets can be used for stormwater drainage

- Common theme: controlling 100-year (1% annual chance) design storm within the right-of-way or drainage easement

Do you desire to use street cross section to collect and convey stormwater?
- Yes – 83.3%
- No – 16.7%



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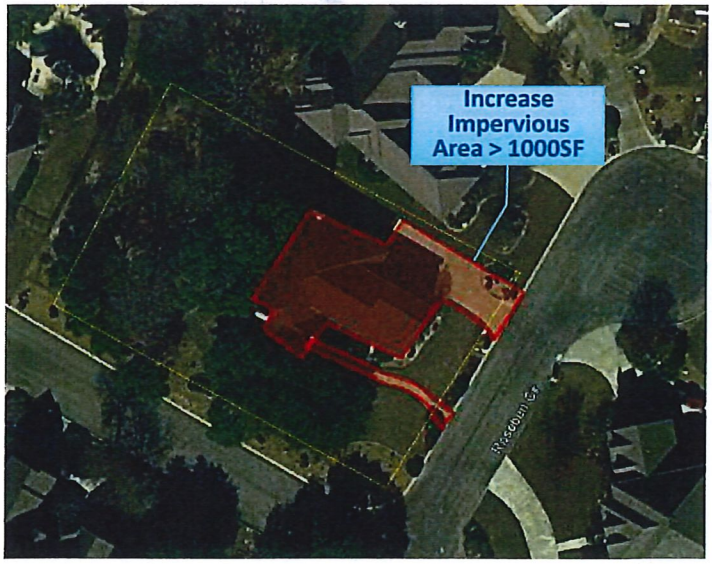

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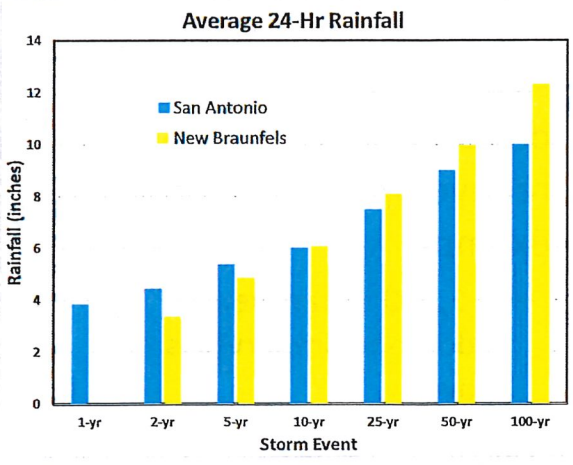
Review Workshop #2: Understanding the Tools

Rain Events

- "X-year" event describes the probability that a storm of a certain size will occur in a given year. "X" refers to the average time that passes between storms of this size
- Larger storms are less common than smaller storms

Storm	Annual Probability	San Antonio Average Rainfall (24-hr Duration)	New Braunfels Average Rainfall (24-hr Duration)
1-yr	99.99%	3.85 in	N/A
2-yr	50%	4.44 in	3.34 in
5-yr	20%	5.36 in	4.83 in
10-yr	10%	6.00 in	6.06 in
25-yr	4%	7.50 in	8.06 in
50-yr	2%	9.00 in	9.96 in
100-yr	1%	10.00 in	12.30 in



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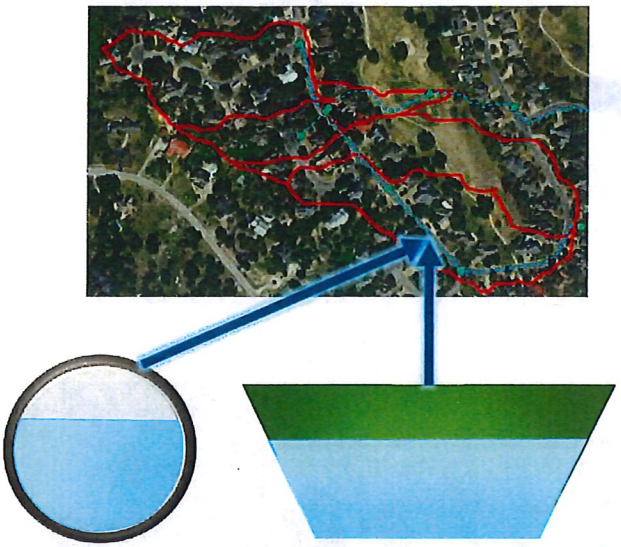
Understanding a Stormwater Model

- Hydrology
  - Quantifying the amount of water generated as runoff by a defined surface area.
- Hydraulics
  - Flow in pipes and open channels connecting the runoff flow paths

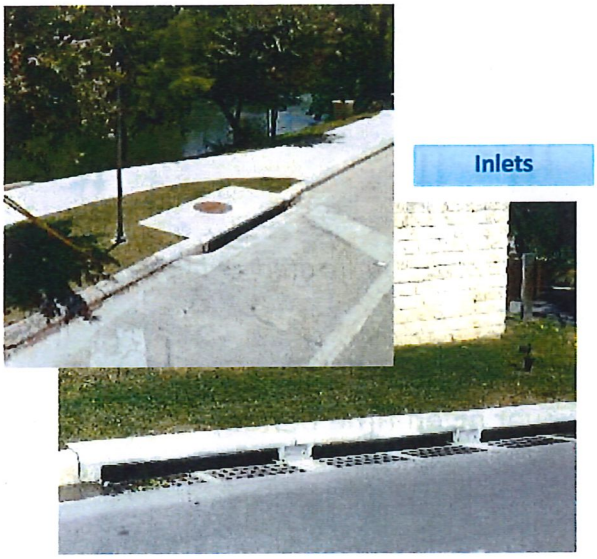


Hydrology

- Amount of runoff (Q) depends on:
  - Size of drainage area
    Larger area → higher flows
  - Imperviousness of drainage area
    Higher imperviousness means less stormwater infiltrated → higher flows
  - Slope of drainage area
    Steeper slopes → higher flows and erosive velocities
  - Rainfall intensity (rainfall inches over given time period)
    Larger storm → higher flows

Defining Levels of Stormwater Service

Stormwater Collection



- Inlets
  - Typical Design
    - 10-year [10% annual chance] (6.0 inch Storm)
    - 25-year [4% annual chance] (7.5 inch Storm)

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Stormwater Conveyance

Storm Sewer Pipe & Culverts

Swales/Ditches

- Typical Design:
  - Pipes, Ditches:
    - 10-year (10% annual chance) Flow
      - Pipe Size for Drainage Area in Example:
      - 18" pipe or 1' X 2.5' channel
    - 25-year Flow (4% annual chance)
      - Pipe Size for Drainage Area in Example:
      - 21" pipe or 1' X 3' channel

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Stormwater Conveyance

- Typical Design:
  - Culvert Crossings:
    - 10-year Flow (10% annual chance)
      - 42" Pipe
    - 25-year Flow (4% annual chance)
      - 48" Pipe
    - 100-year Flow (1% annual chance)
      - 60" Pipe

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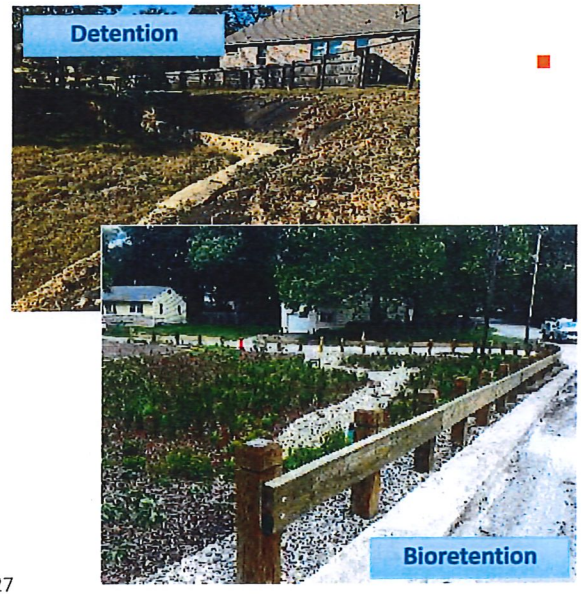
Stormwater Storage



- Typical Design:
  - Detention:
    - Typical Drainage Area: 10 to 50 acres
    - 100-year (1% annual chance) Rainfall Event
      - 10" rainfall
  - Bioretention:
    - Typical Drainage Area: up to 5 acres
    - Up to 2-year (50% annual chance) Rainfall Event
      - 4.44" rainfall

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Discuss Policy & Define Design Criteria: Shaping the City's Stormwater Future

Existing Stormwater System Condition

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Ongoing Stormwater Study

- The existing Fair Oaks Ranch stormwater system is comprised of:
  - Streets, which convey runoff from development
  - Open channels, which receive flow from streets and convey it to major waterbodies
  - Culverts, which convey flow beneath roads
  - A limited number of detention basins associated with recent development

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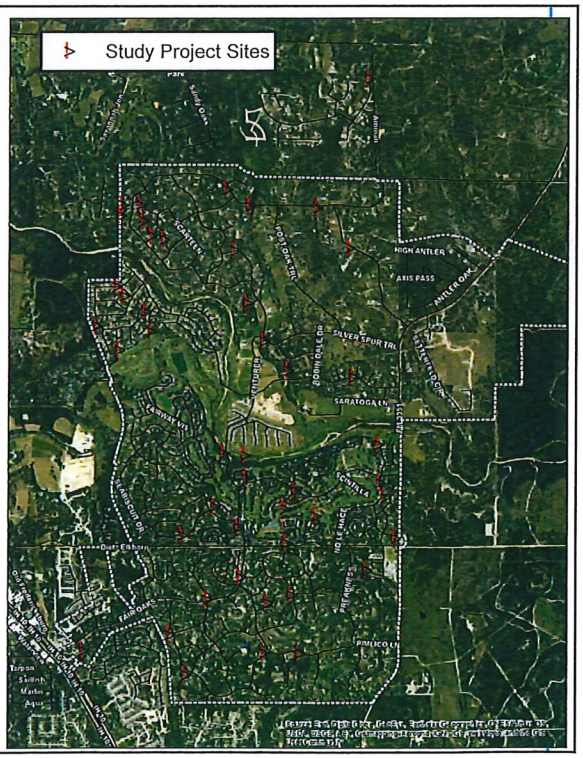
Drainage Issues Identified in Ongoing Stormwater Study

- Forty two (42) sites representing a variety of stormwater issues
  - Analysis used 10-year level of service
- Four (4) sites where level of service analysis will help narrow recommended improvements



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Discuss Policy & Define Design Criteria: Shaping the City's Stormwater Future

Level of Service – Existing System versus Future System

Review
Design Parameters under Current Ordinance

- **Article V, Section 1:**

  "provide adequate storm drainage system to protect each lot throughout the subdivision from flooding"

- Currently no measurable parameters for adequate system
  - Runoff coefficient
  - Rainfall intensity
  - Time of concentration

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Recommended Revision Design Parameters

- Define design parameters
- Consistency with New Braunfels?
  - Defined drainage criteria manual
  - Consistent with industry standards
  - Geographically nearby
  - Same developers in both regions

Table 4-1
New Braunfels Rainfall Intensity Constants

Intensity for Durations of 5 Min to 7 Days I=b/(Tc+d)^e			
Year	b	d	e
2	71.5	13.09	0.850
5	72.9	11.14	0.800
10	71.9	8.69	0.769
25	79.5	8.01	0.751
50	86.6	7.56	0.740
100	95.1	7.17	0.731
500	119.4	6.23	0.714

Note: I is rainfall intensity in inches per hour.

City of New Braunfels

Drainage and Erosion Control Design Manual

Table 5-2
Runoff Coefficients

Area (Developed)	"C"	Area (Undeveloped)	"C"
Grass (Lawns, Parks) Poor<50% cover		Cultivated	
Flat 0-2%	0.37	Flat 0-2%	0.36
Average 2-7%	0.43	Average 2-7%	0.41
Steep, >7%	0.45	Steep, >7%	0.41
Grass (Lawns, Parks) Fair 50%-75% cover		Pasture/Range	
Flat 0-2%	0.30	Flat 0-2%	0.30
Average 2-7%	0.38	Average 2-7%	0.38
Steep, >7%	0.42	Steep, >7%	0.42
Grass (Lawns, Parks) Good>50% cover		Forest/Woodlands	
Flat 0-2%	0.25	Flat 0-2%	0.28
Average 2-7%	0.35	Average 2-7%	0.36
Steep, >7%	0.40	Steep, >7%	0.41
Asphaltic	0.81		
Concrete/Roof	0.83		

Review Drainage System under Current Ordinance

- **Article V, Section 1:**

  "The system shall be integrated with the overall drainage system of the city"

- Define terminology for drainage system
  - Any existing stormwater infrastructure within ROW or easement
    - Collection
    - Conveyance
    - Stormwater storage

Recommended Revision
Drainage System: Design Criteria for Curb & Gutter

- Define when curb and gutter is required
  - Desired for all streets in new development?

  - Allow for open channel street sections? – roadside swales

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Review
Level of Service under Current Ordinance

- **Article V, Section 3, C.**

  Streets may be used for stormwater drainage only if
  - *Depth is lower curb height*
  - *Velocity is less than 10 feet per second*

  All Streets designed for 10-year (10% annual chance) storm frequency
  - *Carry flow within street OR*
  - *Drainage channels or storm sewers*
- Develop comprehensive level of service section addressing flood protection for:
  - Properties
  - Buildings
  - Street Crossings
  - Downstream protection

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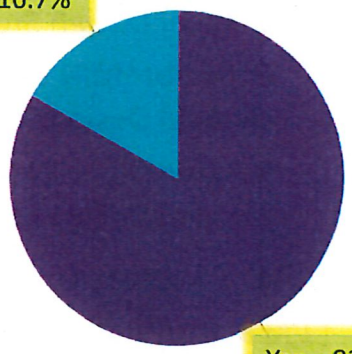
Recommended Revision
Level of Service: Property

- Property protected from 10-year (10% annual chance) storm
  - < 2 acres, only requires grading away from structures
  - >2 acres, requires conveyance system
    - Pipe system conveying design storm
    - Engineered/open channel
    - Street gutter (maximum 10 feet per secon
    - Natural stream

No - 16.7%



Yes – 83.3%

Survey Question:

3. As a City resident, do you desire to use the street cross section to collect and convey stormwater?

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Recommended Revision
Level of Service: Buildings

- Buildings protected from 100-year (1% annual chance) storm
  - 1 foot freeboard at building openings
  - Flood proofing buildings below 1% storm elevation + 1 foot freeboard

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Recommended Revision
Level of Service: Street Crossings

- Convey flows under street, capacity dependent on street classification
  - Arterial: MIN 50-year (2% annual chance) Design Storm Capacity
  - Collector: MIN 25-year (4% annual chance) Design Storm Capacity
  - Residential: MIN 10-year (10% annual chance) Design Storm Capacity
- MAX 7 inches overflow for 100-year (1% annual chance) Design Storm

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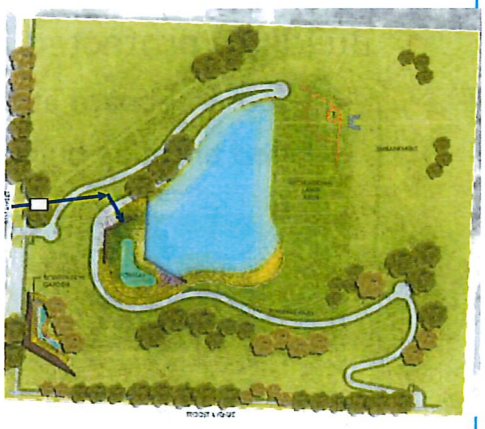
Recommended Revision
Level of Service: Downstream Protection

- Control release rates for 100-year (1% annual chance), 10-year (10% annual chance), and 2-year (50% annual chance)

Design Storm	Annual Chance	Peak Flow Rate
2-year	50%	0.5 cfs/site acre
10-year	10%	2.0 cfs/site acre
100-year	1%	3.0 cfs/site acre



- Annual storm requires 40-hr extended detention or green infrastructure

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Review
Surface Drainage under Current Ordinance

- **Article IV, Section A, 2.**

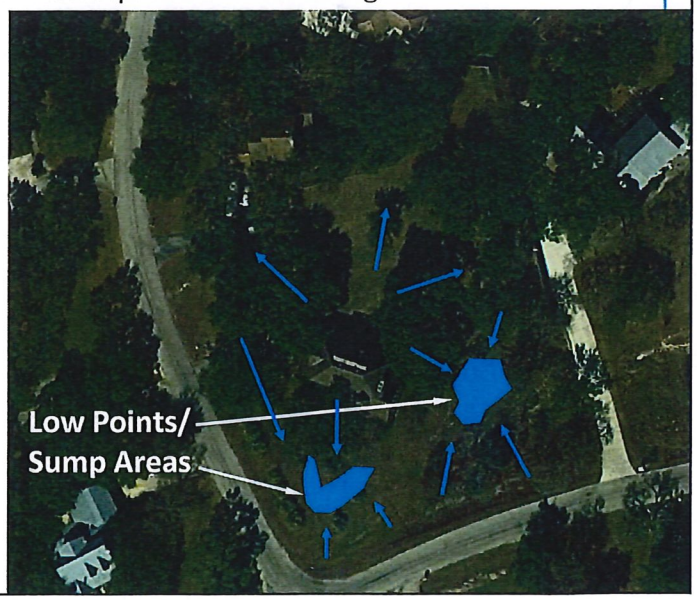
  "Surface drainage from private property shall be taken to streets, alleys, or drainage courses as quickly as possible. Using streets and alleys as major drainage courses is not permitted."

- Terminology "as quickly as possible" neglects focus on:
  - Minimum grades away from buildings
  - Conveyance of stormwater in natural flow paths
- Terminology for "Defined" and "Major" drainage courses are not defined

Recommended Revision
Surface Drainage Terminology

- Private Property Grading Requirements
  - MIN 2% positive grades away from structures towards lot lines
  - Grade towards "existing drainage system" within ROW or easement OR "drainage paths"

Example of Poor Grading



Recommended Revision Surface Drainage Terminology (continued)

- Private Property Grading Requirements
  - MIN 2% positive grades away from structures towards lot lines
  - Grade towards "existing drainage system" within ROW or easement OR "drainage paths"

Example of Proper Grading

Recommended Revision Plot Plan Requirements

- Plot Plan Requirements as part of building permit application
  - Existing and proposed contours
  - Existing and proposed point elevations at all lot corners
  - Existing "drainage system"
  - Existing and proposed ROW or easement boundaries
  - Existing and proposed "drainage paths"
  - Building minimum opening elevation

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Discuss Policy & Define Design Criteria: Shaping the City's Stormwater Future

Public versus Private Responsibilities

Current Policy

- Developer to provide a storm drainage system
  - Conveys flow to public right-of-way or stormwater easement
- Stormwater is City responsibility once it enters a right-of-way or stormwater easement
- Note - City cannot spend public revenue for private benefit

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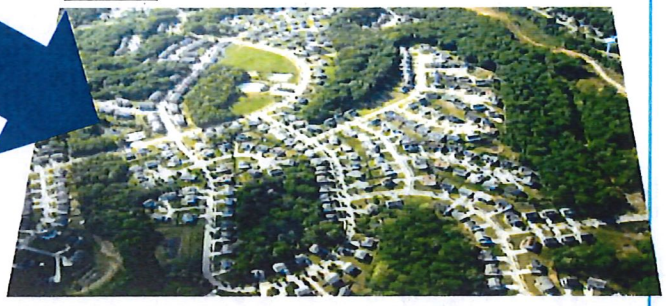
Example – Public Drainage Area to Private Property

Public Subdivision or Right of Way

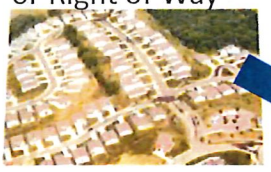
Private Subdivision



Example – Public Drainage Area to Private Property

- Policy Questions:
  - Is the City responsible (either in full or part) to construct a project to mitigate flooding in this situation?
  - What is the role of the private subdivision?
- Potential Solutions:
  - Capture and convey stormwater away from private subdivision
  - Acquire easement on public subdivision and construct detention

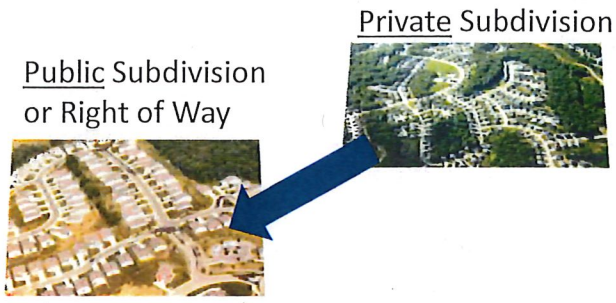
Public Subdivision or Right of Way



Private Subdivision

Example – Private Drainage Area to Public Property

- Policy Questions:
  - Is the City responsible (either in full or part) to construct a project to mitigate flooding in this situation?
  - What is the role of the private subdivision?
- Potential Solutions:
  - Capture and convey stormwater away from private subdivision
  - Acquire easement on public subdivision and construct detention



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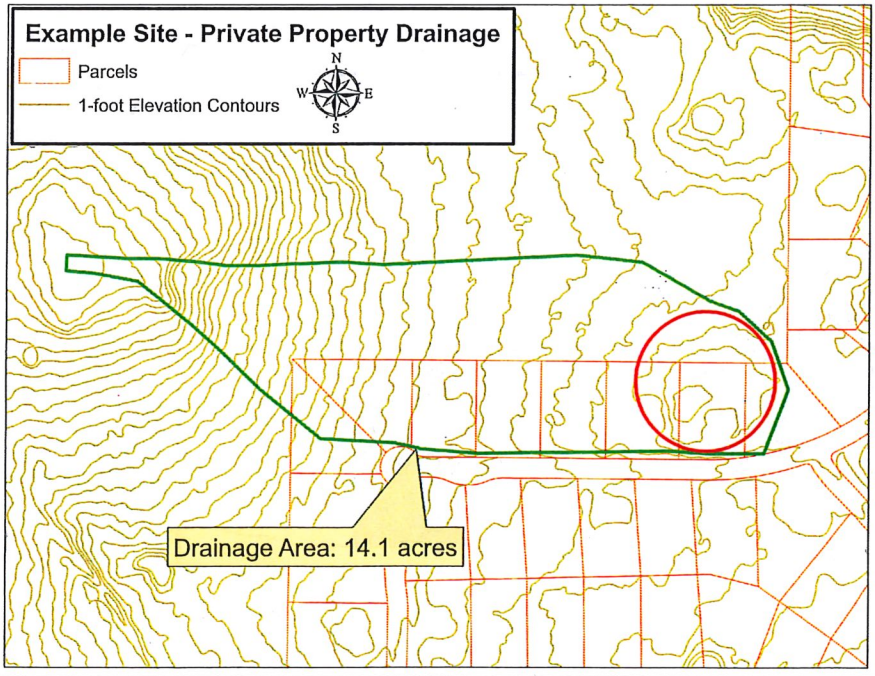
Example – Private Drainage Area to Private Property



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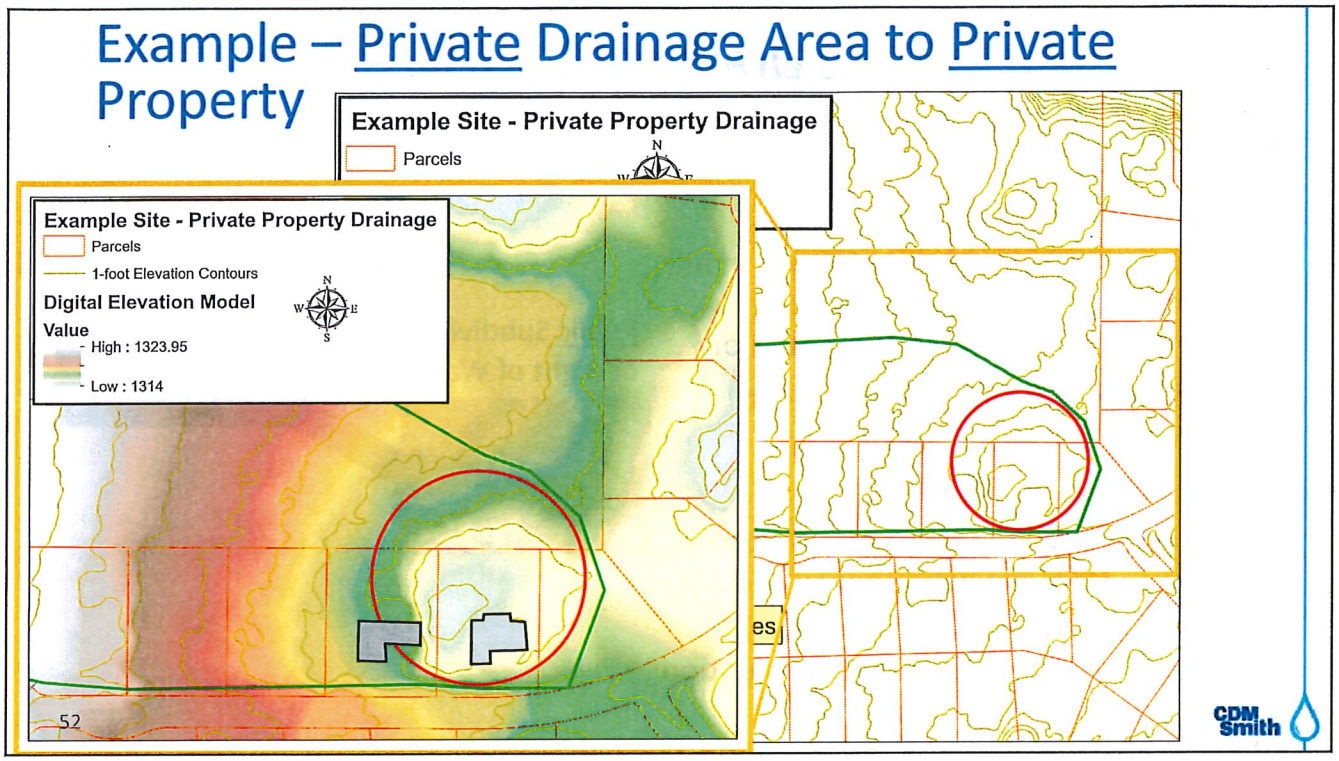
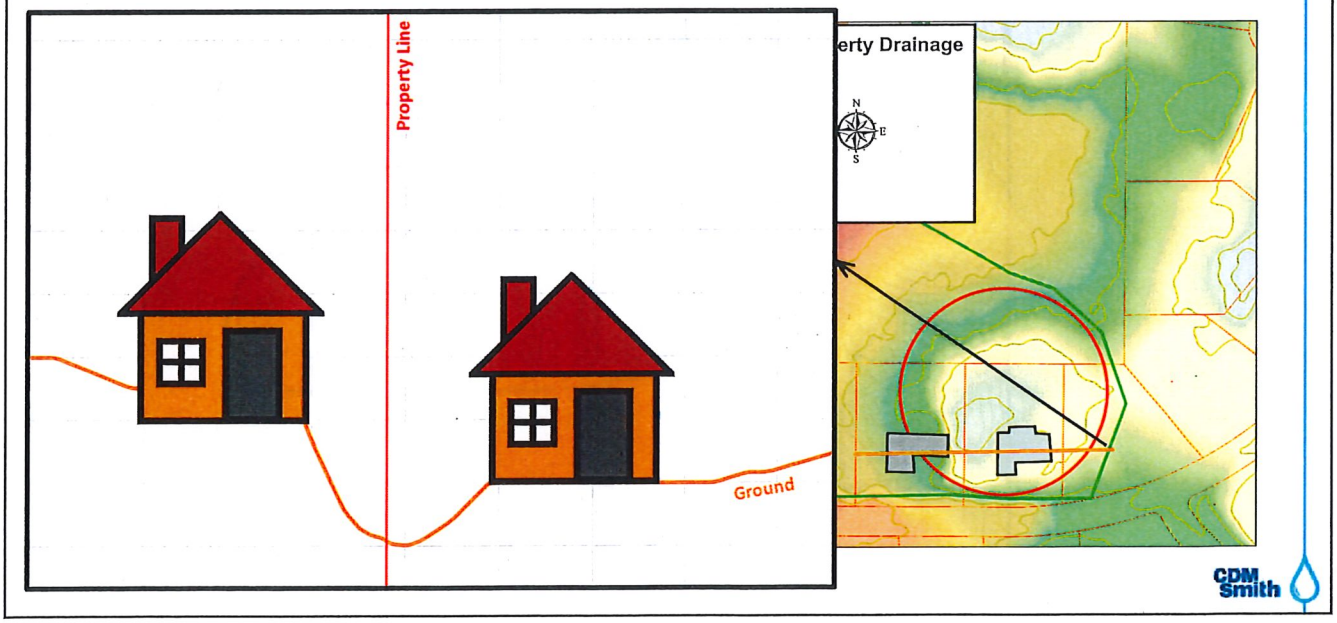
Example – Private Drainage Area to Private Property



Example – Private Drainage Area to Private Property



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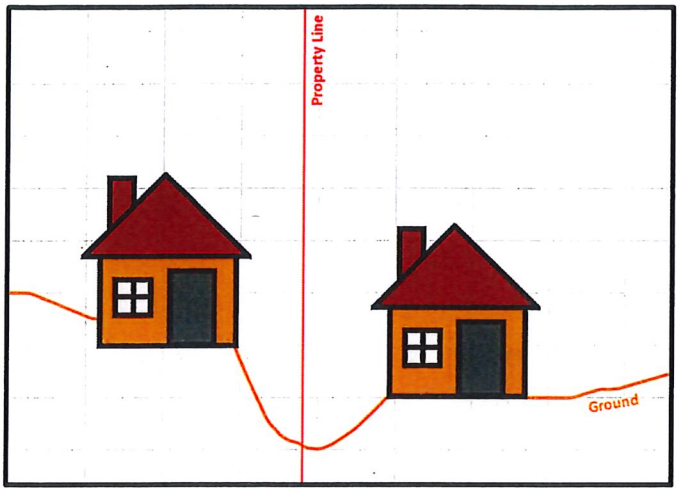
Example – Private Drainage Area to Private Property



- Policy Question:
  - What can the City help in this case?
- Potential Solutions:
  - Pump stormwater to the street
  - Construct an approximately 1,500-foot long storm sewer

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Define Redevelopment

- Subdivision Regulations includes "redevelopment" as part of "development" definition
- **Define** "redevelopment" separately to implement within existing developed area
- **Develop** requirements for redevelopment to implement Subdivision Regulations, for example:
  - Existing total impervious area ≥ 20% of total land area
  - Impervious area increases by 1,000 SF than existing conditions
  - Ratio of impervious area to pervious area $(\frac{Impervious\ Area}{Pervious\ Area}) \geq 1$
  - ≥ 1 acre disturbed area

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Decision Points

- Existing and Future Development
  - Better define drainage guidance
- Street System can collect and convey stormwater
  - Level of service
- Define development and redevelopment based on square footage of impervious area (1,000 square feet)
- Downstream protection requirements
- Surface drainage for plats should be redefined
- Protect buildings from the 100-year (1% annual chance) flood

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Next Steps

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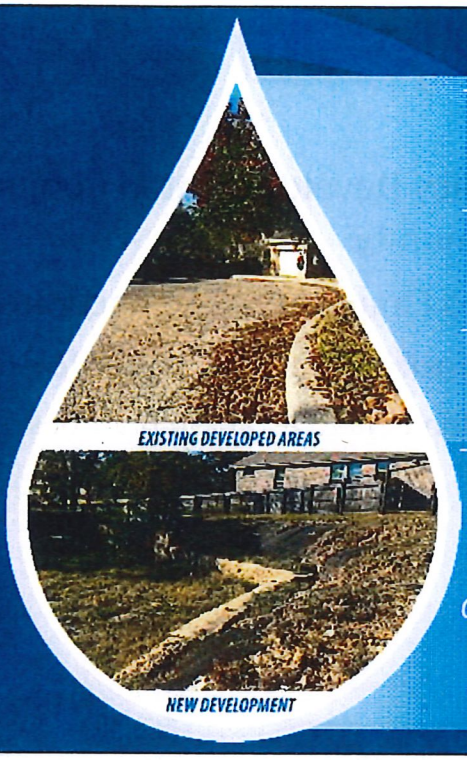
Integrated Policy Provides Consistent Framework



- *What is City stormwater infrastructure?*
- *What type of stormwater service does the City desire?*
- *How are easements defined to provide this service?*
- *How can the City meet MS4 (water quality) requirements with its criteria?*

Coordinate with Gap Strategies to integrate stormwater into Comprehensive Land Use update

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Low Impact Development

LID Programs in the Region

	Application	WQV	BMPs
New Braunfels	Type 3 development (>= 5,000 SF additional impervious cover; or development within FEMA SFHA); Development within City Jurisdiction; IC > 30%	First flush - 0.5 inches for net new IC; Can be reduced by applying for impervious cover credits and/or use of LID.	3 options: 1) Detention / Filtration; 2) BMPs consistent with TCEQ Edwards Aquifer Guidance; 3) BMPs approved by City Engineering Division
Edwards Aquifer	Net increase in impervious within Recharge or Contributing Zone	Based on reduction of 80% TSS load from impervious area	Retention / Irrigation, Extended Detention Basin, Grassy Swales, Vegetative Filter Strips, Sand Filters, Wet Basins, Wetlands, Bioretention, Permeable Surfaces
Bexar County	New development and Re-Development projects that result in land disturbance of > or = 1 acre; Target IC (Single Family - 30%, Multi-Family - 50%; Commercial - 65%, Transportation - 85%)	0.5 inches for structural BMPs (additional credits obtained for non-structural BMPs)	Vegetatied swales, vegetative filter strips, sand filters, bioretention, rain gardens, permeable pavement, green roofs, extended detention basins, constructed wetlands, rainwater harvesting, etc.

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Upcoming Items

- Set Direction on Policy Development in Conjunction with Development Community
- Stormwater Study to Finalize Project Recommendations
- Drainage Project Prioritization – October Workshop
  - Poll of Workshop Members to establish priorities – survey to be distributed by email

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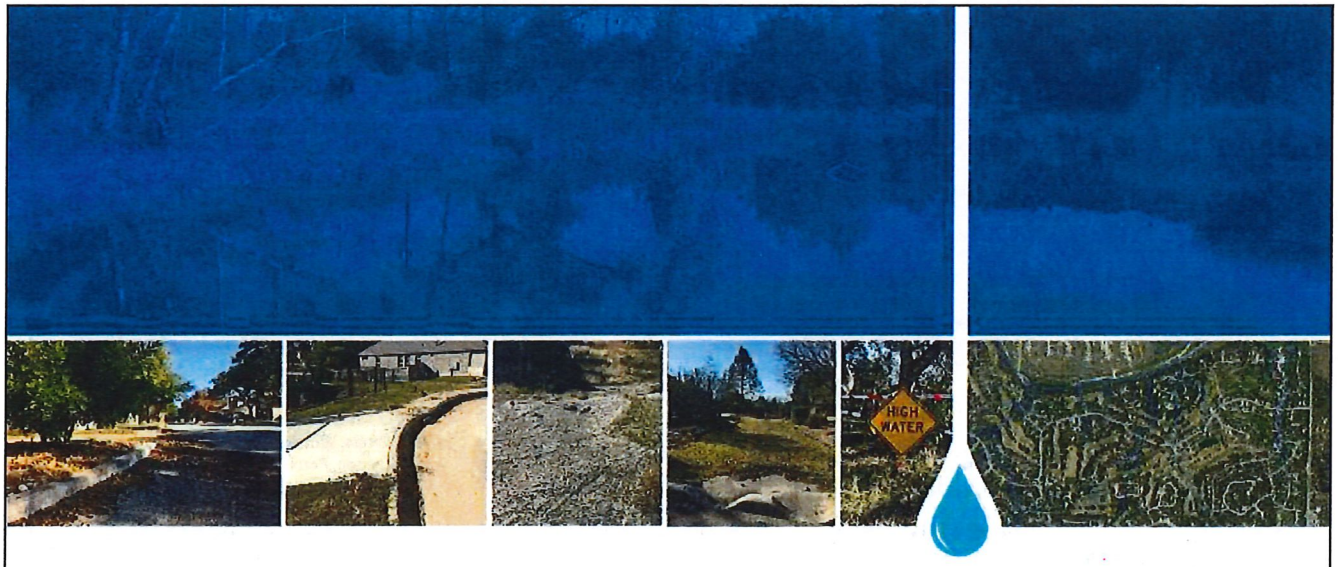

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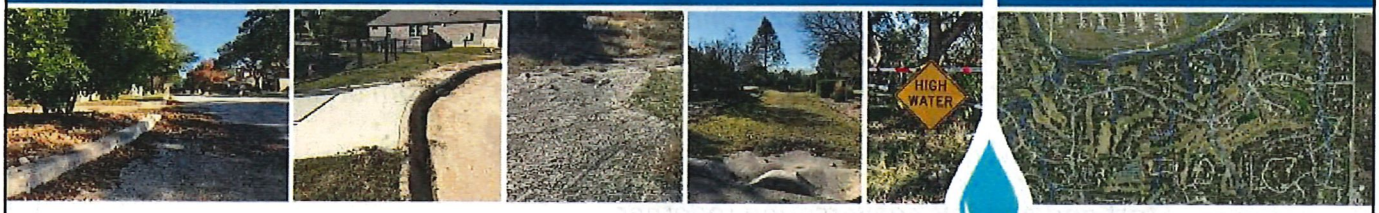
STORMWATER DRAINAGE: TARGETED SITES AND CIP DEVELOPMENT



Council Workshop

Master Drainage Plan & MS4 Assistance Services

October 19, 2017

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Agenda:

1. Meeting Objectives and Ground Rules (5 minutes)
2. Review of Workshops
   a) Refresher on the Stormwater Model (5 minutes)
   b) Survey Results (15 minutes)
   c) Review Policy Recommendations (5 minutes)
3. Targeted Drainage Projects (40 minutes)
4. Prioritization Process (15 minutes)
5. Define Next Steps (5 minutes)

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Today's Objective & Ground Rules

- Objective:
  - *Present Policy Recommendations.*
  - *Set the stage for community discussions regarding City responsibility for the stormwater system.*
  - *Determine level of service for A and B sites to be used to finalize targeted stormwater project assessments.*
  - *Discuss Draft CIP prioritization process. Get feedback from Stakeholders on the process.*
- Ground Rules:
  - *Start and end this conversation together*
  - *Respectful disagreement encouraged*
  - *One conversation at a time*
  - *Be bold*
  - *No silent objectors*

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Future Conversations

March 2017	Stormwater Drainage 101: *A Conversation on Criteria*
May 2017	Stormwater Drainage 102: *Understanding the Tools*
August 2017	Policy Evaluation and Recommendations
October 2017	Drainage Project Prioritization Update
November 2017	CIP List and Funding

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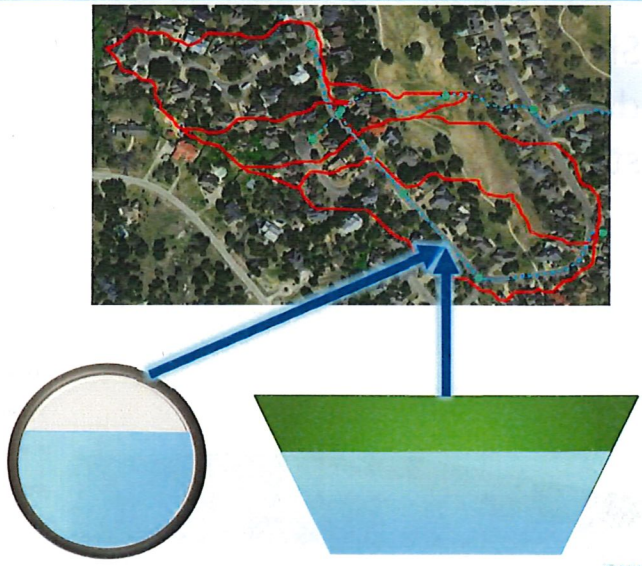
Review - Stormwater Model

The Stormwater Model

- Hydrology
  - Quantifying the amount of water generated as runoff by a defined surface area.
- Hydraulics
  - Flow in pipes and open channels connecting the runoff flow paths



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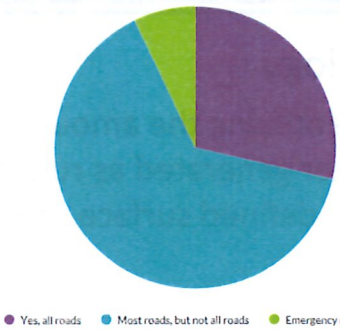
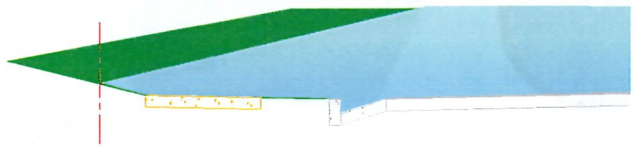
Survey Results

Survey – Level of Service (Roads)

Should all roads be passable during a 2-year (3.3 inch) storm event?



Value	Percent	Responses
Yes, all roads	28.6%	4
Most roads, but not all roads	64.3%	9
Emergency roads only	7.1%	1
		Totals: 14



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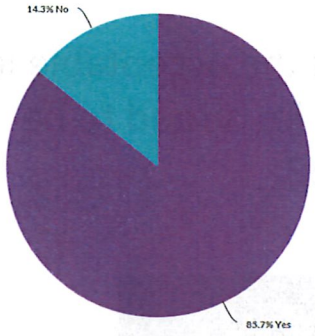
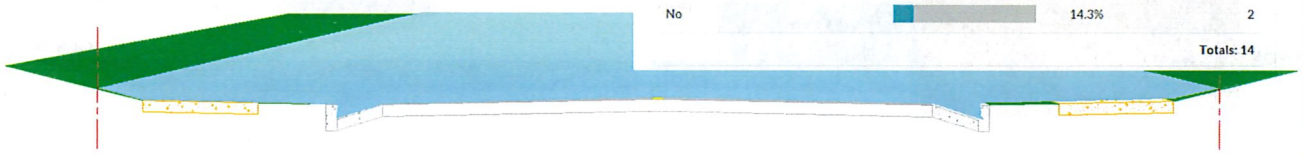
Survey – Level of Service (Roads)

Should all roads be passable during a 2-year (3.3 inch) storm event?

Should the level of service depend on the type of road?



Value	Percent	Responses
Yes	85.7%	12
No	14.3%	2
		Totals: 14

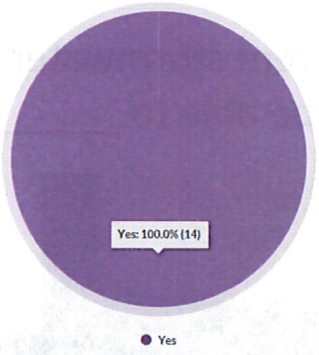


Survey – Level of Service (Roads)

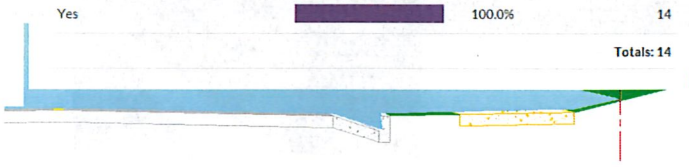
Should all roads be passable during a 2-year (3.3 inch) storm event?

Should the level of service depend on the type of road?

Should emergency roads be passable during the 100-yr storm event?

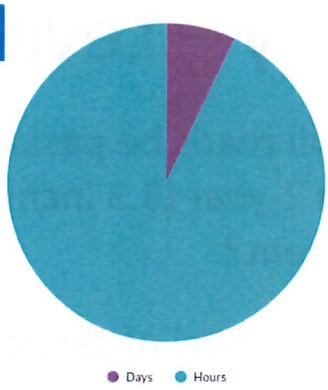


Value	Percent	Responses
Yes	100.0%	14
		Totals: 14



Survey – Flood Period

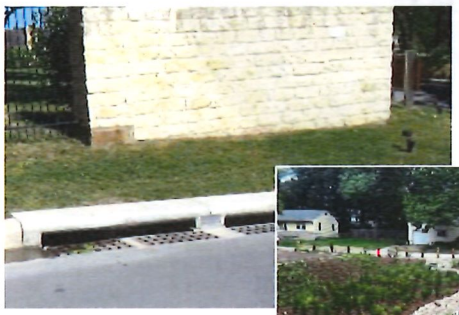
What is the acceptable length of time for a road to be flooded?

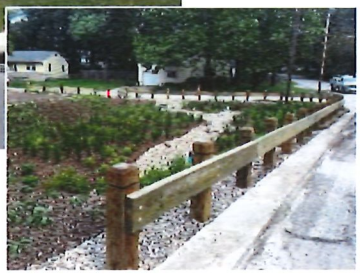


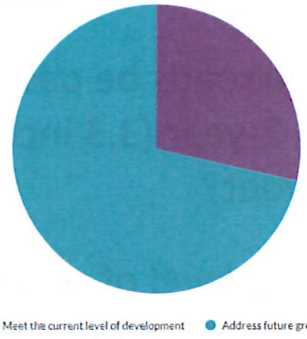
Value	Percent	Responses
Days	7.1%	1
Hours	92.9%	13
		Totals: 14

Survey – Future Growth

The current stormwater system should be able to _____.







Value	Percent	Responses
Meet the current level of development	28.6%	4
Address future growth	71.4%	10
		Totals: 14

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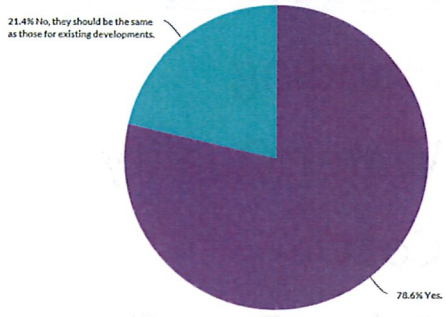
Survey – Development

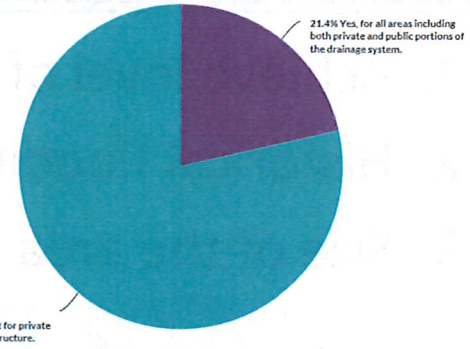
Should the level of service requirements be greater for new development than for existing development?



Value	Percent	Responses
Yes.	78.6%	11
No, they should be the same as those for existing developments.	21.4%	3
	Totals: 14	

Survey – Public and Private

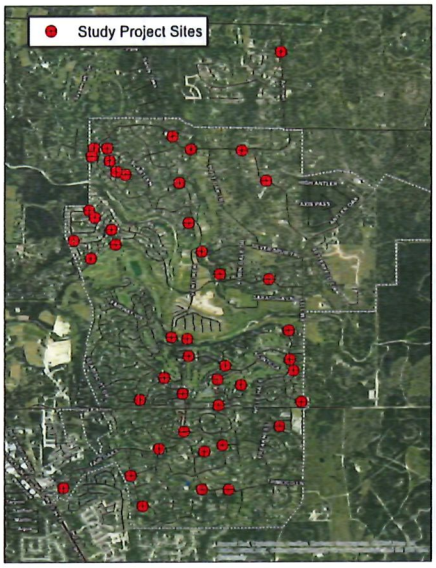
Should everyone fund the fixes to the existing storm drain system to achieve the selected level of service?



Value	Percent	Responses
Yes, for all areas including both private and public portions of the drainage system.	21.4%	3
Yes, for public infrastructure, but not for private portions of the infrastructure.	78.6%	11
	Totals: 14	

Priorities in order of Rank

1. Flooding
2. Water Quality
3. Cost
4. Other Benefits



Priorities for Flood Control Projects

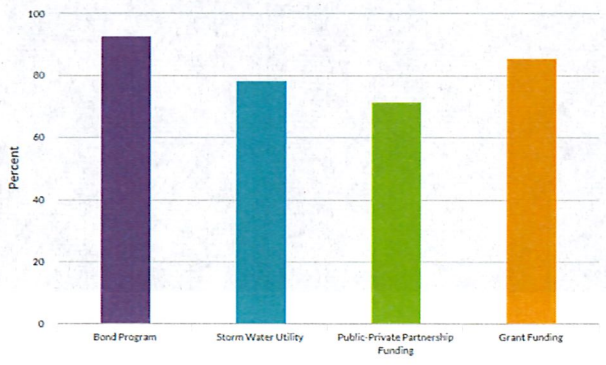
1. Achieve level of service
2. Historical flooding of structures
3. Size of the area impacted

Priorities for Water Quality Projects

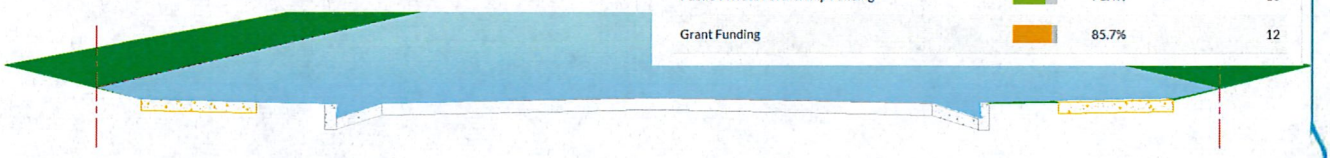
1. Meeting Water Quality Permit
2. Erosion / Sediment Loss
3. Protection of Habitat
4. Trash in Receiving Water Bodies
5. Maintain Uses and Safety for the Public (fishing, canoeing, kayaking, swimming, etc.)

Funding Options

Which of the following funding sources should the City consider for Flood Control Projects (please check any that apply)?



Value	Percent	Responses
Bond Program	92.9%	13
Storm Water Utility	78.6%	11
Public-Private Partnership Funding	71.4%	10
Grant Funding	85.7%	12



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Priorities for other Benefits

1. Importance to Community / Social Benefit
2. Association with Other Projects (e.g. Roadwork)
3. Rate of Growth
4. Recreational Benefits
5. Educational Benefits

Policy Recommendation Review

Review Key Decision Points

- Clarity and Consistency
- Existing and Future Development
  - Better define drainage guidance
  - Existing system
  - Policy impacts new development
- Street System can collect and convey stormwater
  - Level of service based on road type
  - Details provided in Drainage Manual
- Downstream protection requirements
  - Erosion / sedimentation

Existing and Future Development

- Define Design Parameters
- Criteria for Curb and Gutter
- Comprehensive Level of Service section with protection for properties, buildings, streets, and downstream.
- **Define** "Redevelopment" separately
- Private Property Grading Requirements
- Plot / Plan requirements

Street System

- Level of Service based on road type
  - Arterial
  - Collector
  - Residential
- Maximum overflow depths

Downstream Protection

- Drainage studies
- Attenuation of peak flow rate
  - Detention
  - Green infrastructure

Targeted Drainage Projects

Low Water Crossings Evaluated

- Battle Intense at Cibolo Creek
  - Overtopped by larger regional rainfall upstream of the City
- Silver Spur Trail at Post Oak Creek
- Rolling Acres Trail at Post Oak Creek
- Rolling Acres Trail at Unnamed Tributary
  - Overtopped by local rainfall events

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Battle Intense Crossing at Cibolo Creek

- Overtopped by Cibolo Creek multiple times within a year
- Presents frequent hazard to drivers
- Serves as one of two Cibolo Creek crossings in the City
  - Ralph Fair Road crossing to be upgraded by TxDOT

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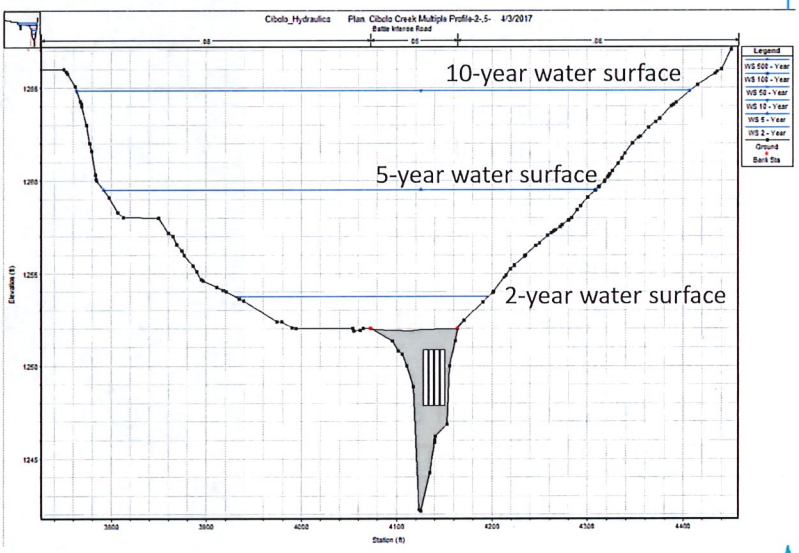
Battle Intense Crossing at Cibolo Creek

- Existing Crossing
  - Includes 4 – 3-foot by 5-foot reinforced concrete box culverts
  - Road elevation is at elevation 1,252 feet NAVD88
  - Overtopped by 2-year event at an elevation of 1,253.7 feet NAVD88
    - Flooding depth of 1.7-feet



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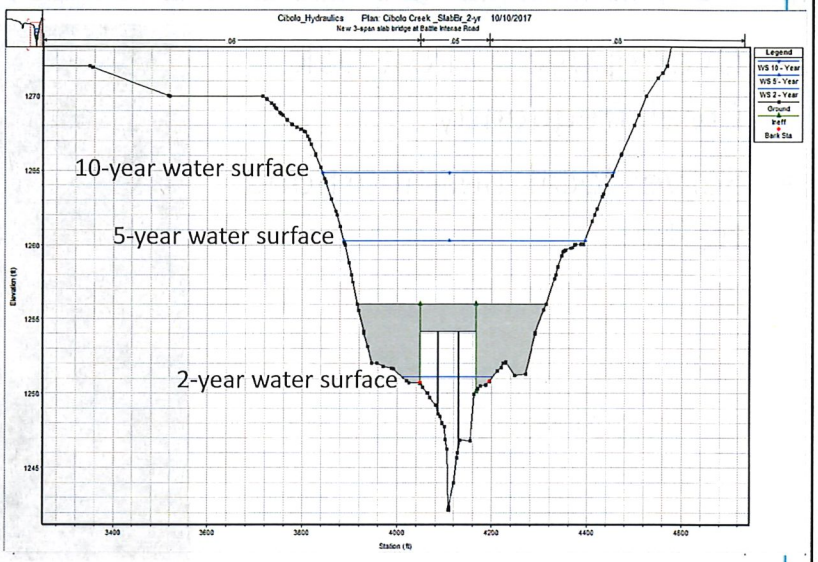
Battle Intense Crossing at Cibolo Creek

- Alternative 1 – 2-year Level of Service
  - Replace the culvert crossing with a 400 foot long bridge
  - Road elevation raised 4 feet to 1,256 feet NAVD88
  - Conveys 2-year event and mitigates overtopping
  - Cost: $1,320,000



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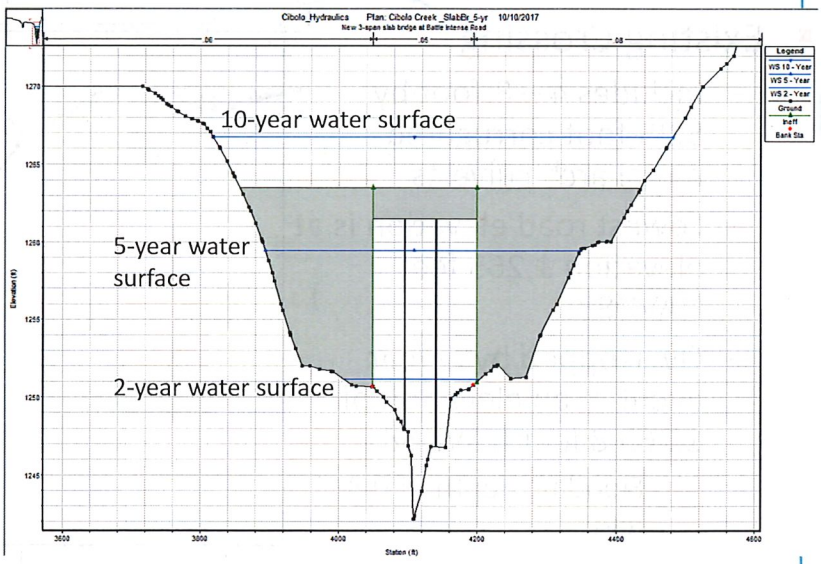
Battle Intense Crossing at Cibolo Creek

- Alternative 2 – 5-year Level of Service
  - Replace the culvert crossing with a 575 foot long bridge
  - Road elevation raised 12 feet to 1,264 feet NAVD88
  - Conveys 5-year event and mitigates overtopping
  - Cost: $1,860,000



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Silver Spur Trail at Post Oak Creek

- Overtopped by Post Oak Creek frequently
- Serves local, neighborhood traffic

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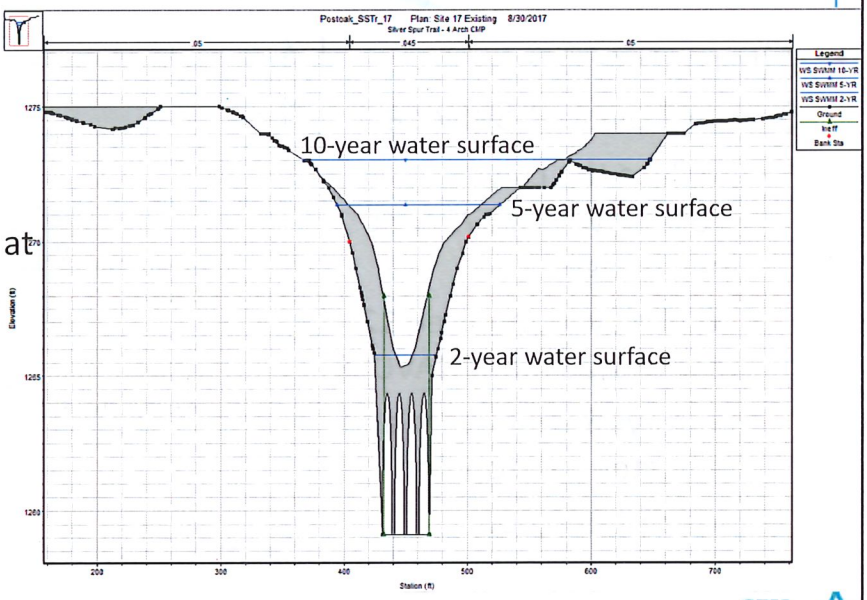
Silver Spur Trail at Post Oak Creek

- Existing Crossing
  - Includes 4 – 8-foot by 5.25-foot corrugated metal arch culverts
  - Lowest road elevation is at elevation 1,265 feet NAVD88
  - Overtopped by 2-year event at an elevation of 1,265.8 feet NAVD88
    - Flooding depth of 0.8-feet



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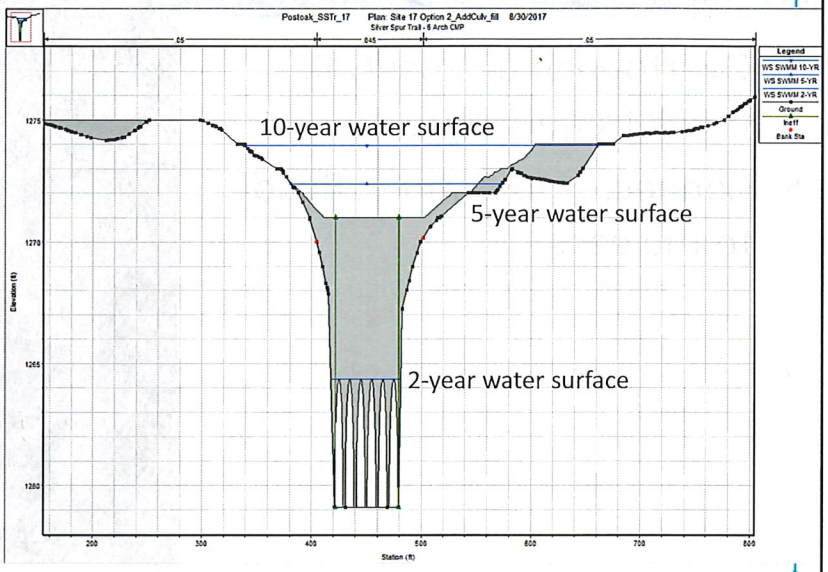
Silver Spur Trail at Post Oak Creek

- Alternative 1 – 2-year Level of Service
  - Add 2 culvert cells
  - Raise road elevation 6 feet to 1,271 feet NAVD88
  - Conveys 2-year event and mitigates overtopping
  - Cost: $310,000



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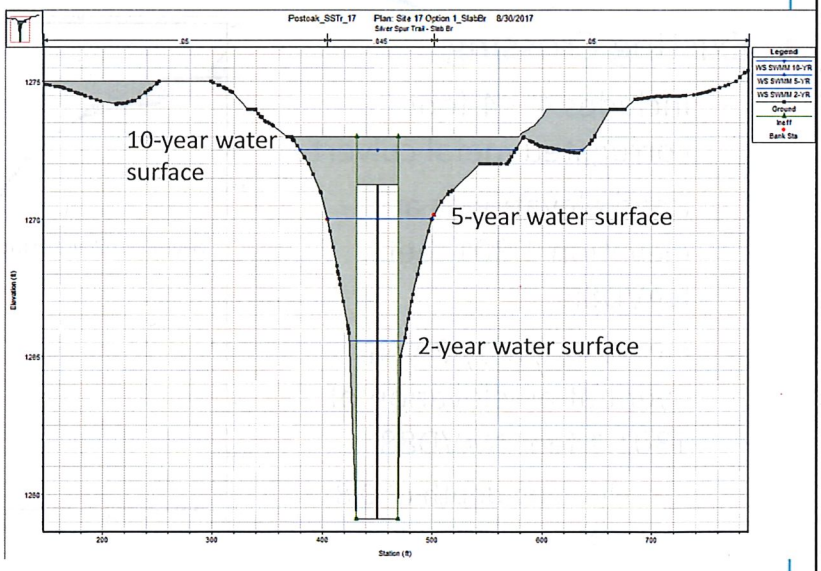
Silver Spur Trail at Post Oak Creek

- Alternative 2 – 5-year Level of Service
  - Replace the culvert crossing with a 200 foot long bridge
  - Road elevation raised 8 feet to 1,273 feet NAVD88
  - Conveys 5-year event and mitigates overtopping
  - Cost: $420,000



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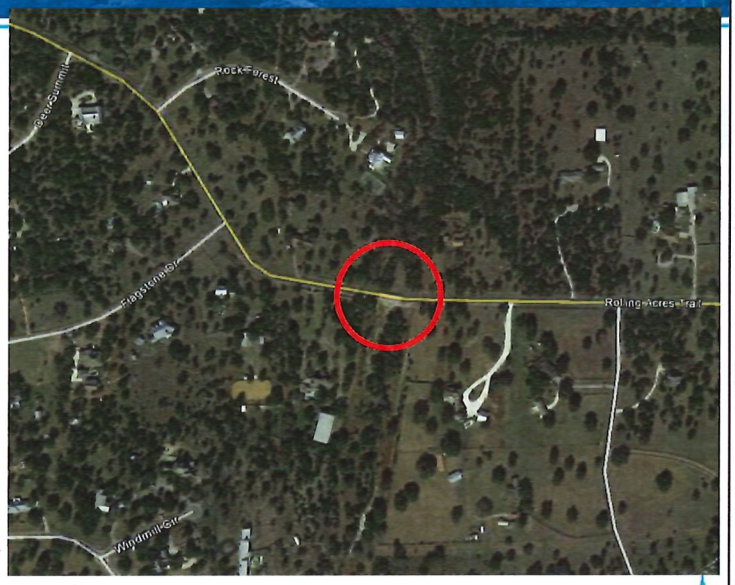
Rolling Acres Trail at Post Oak Creek

- Overtopped by Post Oak Creek frequently
- Connector to Amman Road to the east



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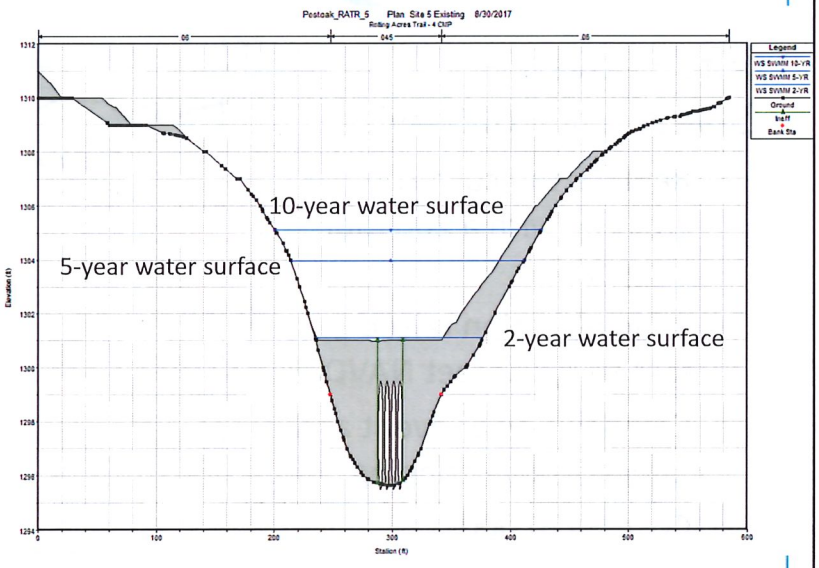
Rolling Acres Trail at Post Oak Creek

- Existing Crossing
  - Includes 4 – 4-foot corrugated metal culverts
  - Road elevation is at elevation 1,301 feet NAVD88
  - Overtopped by 2-year event at an elevation of 1301.1 feet NAVD88
    - Flooding depth of 0.8-feet



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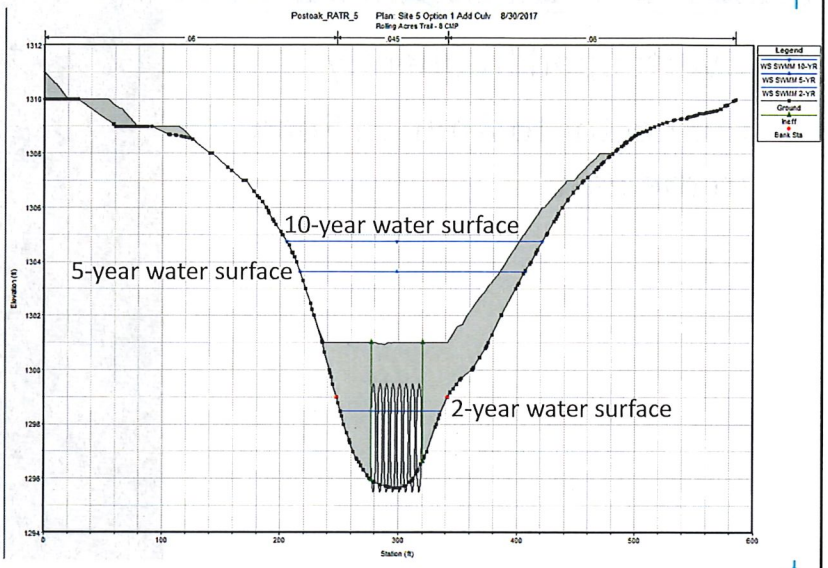
Rolling Acres Trail at Post Oak Creek

- Alternative 1 – 2-year Level of Service
  - Add 4 culvert cells
  - Conveys 2-year event and mitigates overtopping
  - Cost: $170,000



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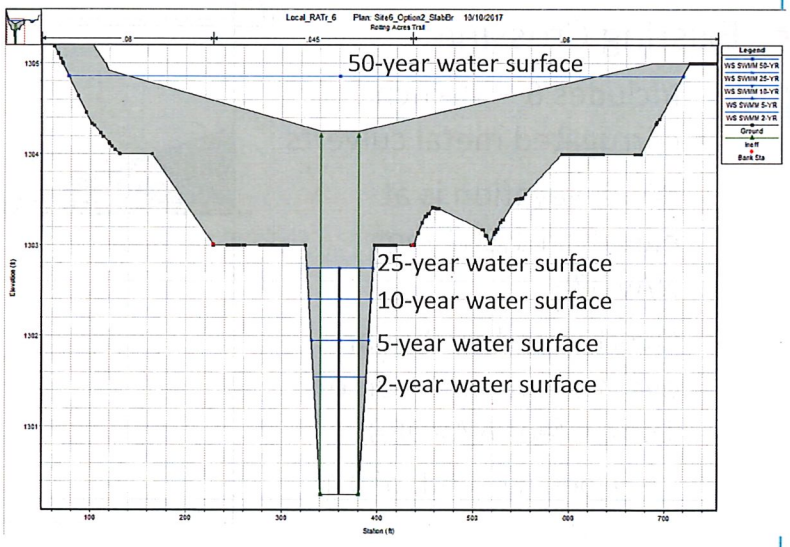
Rolling Acres Trail at Post Oak Creek

- Alternative 2 – 5-year Level of Service
  - Replace the culvert crossing with a 200 foot long bridge
  - Road elevation raised 3 feet to 1,304 feet NAVD88
  - Conveys 25-year event and mitigates overtopping
  - Cost: $410,000



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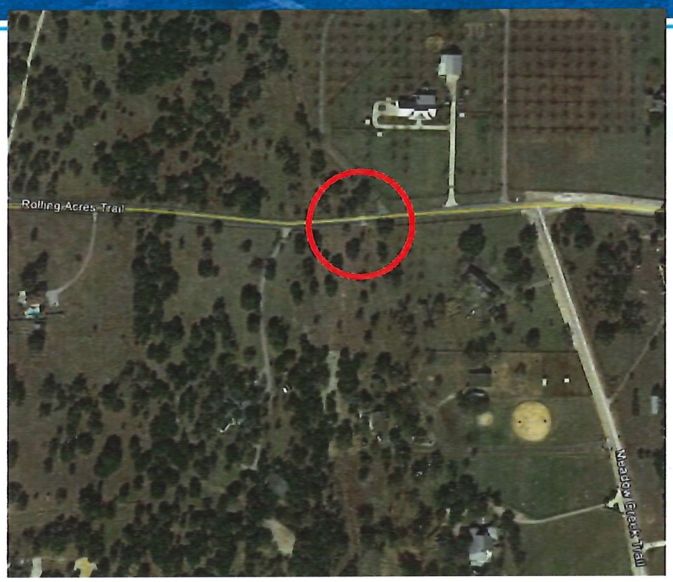
Rolling Acres Trail at Unnamed Tributary

- Overtopped frequently
- Connector to Amman Road to the east



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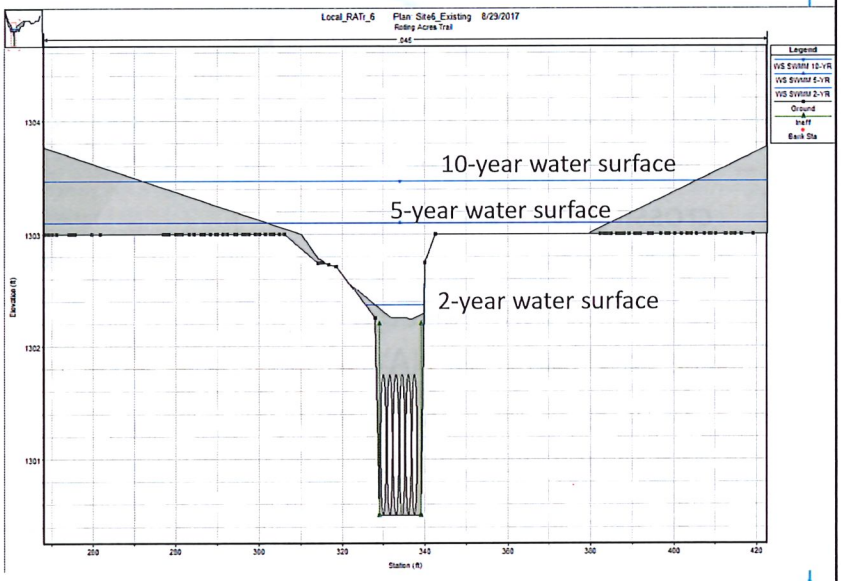
Rolling Acres Trail at Unnamed Tributary

- Existing Crossing
  - Includes 6 – 15-inch corrugated metal culverts
  - Road elevation is at elevation 1,302 feet NAVD88
  - Overtopped by 2-year event at an elevation of 1302.4 feet NAVD88
    - Flooding depth of 0.4-feet



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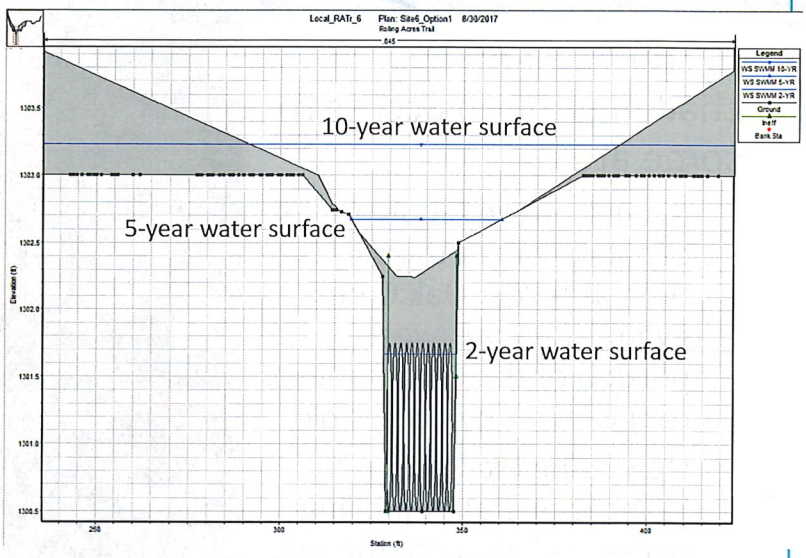
Rolling Acres Trail at Unnamed Tributary

- Alternative 1 – 2-year Level of Service
  - Add 4 culvert cells
  - Conveys 2-year event and mitigates overtopping
  - Cost: $60,000



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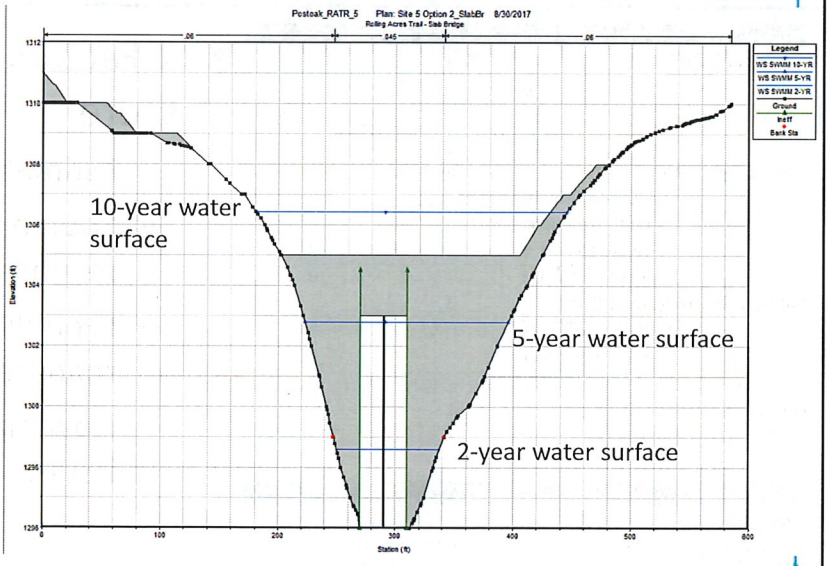
Rolling Acres Trail at Unnamed Tributary

- Alternative 1 – 5-year Level of Service
  - Replace the culvert crossing with a 75 foot long bridge
  - Road elevation raised 8 feet to 1,304 feet NAVD88
  - Conveys 5-year event and mitigates overtopping
  - Cost: $460,000



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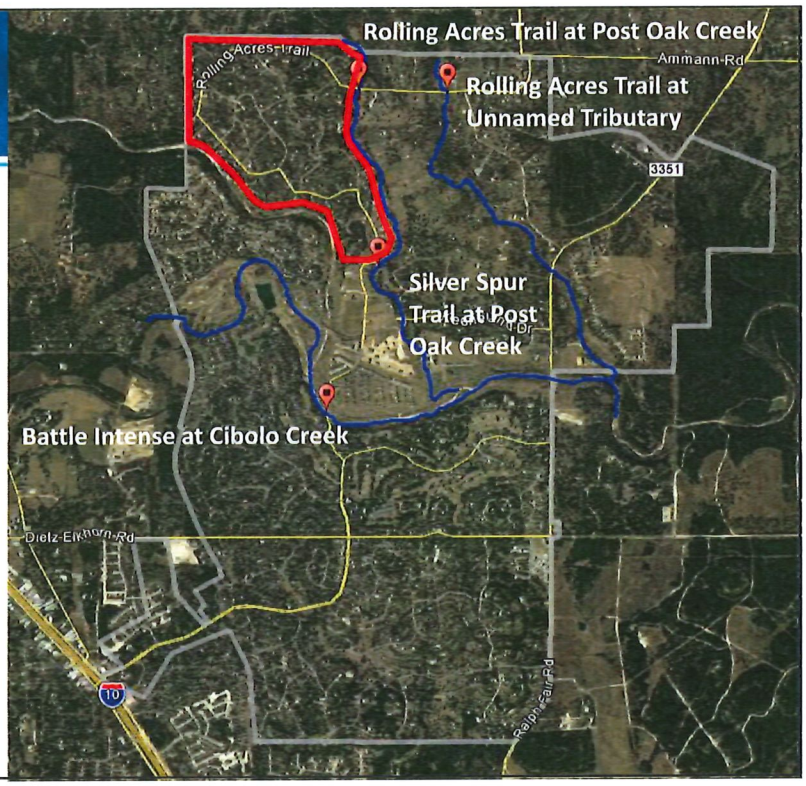
System Resiliency

- Current system has challenges with access to some areas
  - If a prolonged Cibolo Creek event occurs at the same time as a Post Oak Creek event, the northwest portion of the City (outlined red) will not be accessible
  - Upgrading crossings on Silver Spur Trail or Rolling Acres Trail mitigate the risk of this occurring



Prioritizing "B Sites" and "C Sites"

	Weight	Score
Estimated Cost	2	
Low		5
Medium		3
High		1
Source/Destination	3	
Public to Private		5
Public to Public		3
Private to Public		2
Private to Private		0
Public Infrastructure at Risk?	3	
Yes - Large Effect		5
Yes - Small Effect		2
No		0
Number of Houses	1	
Number of Houses (n)		n

	Cost Range
Low Cost Estimate	< $20,000
Medium Cost Estimate	$20,000 - $50,000
High Cost Estimate	> $50,000

- 4-Factors affect the prioritization score
  - Estimated Cost (High, Medium, Low)
  - Source and Destination – who is responsible to fix the problem?
  - Is public infrastructure at risk? Is a busy road frequently flooded?
  - How many houses are affected by this issue?

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Next Steps

Next Steps

- Finalize Master Drainage Plan
- Capital Improvement Project (CIP) List
  - Projects recommendations for CIP
  - Workshop
- MS4 Compliance Efforts

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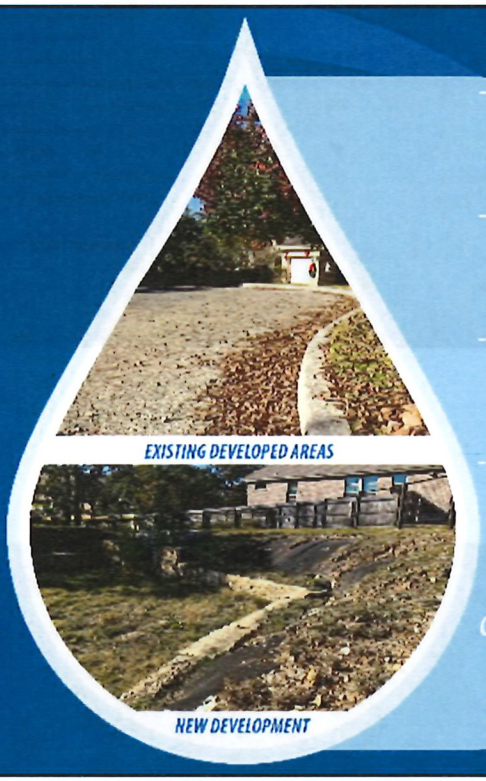
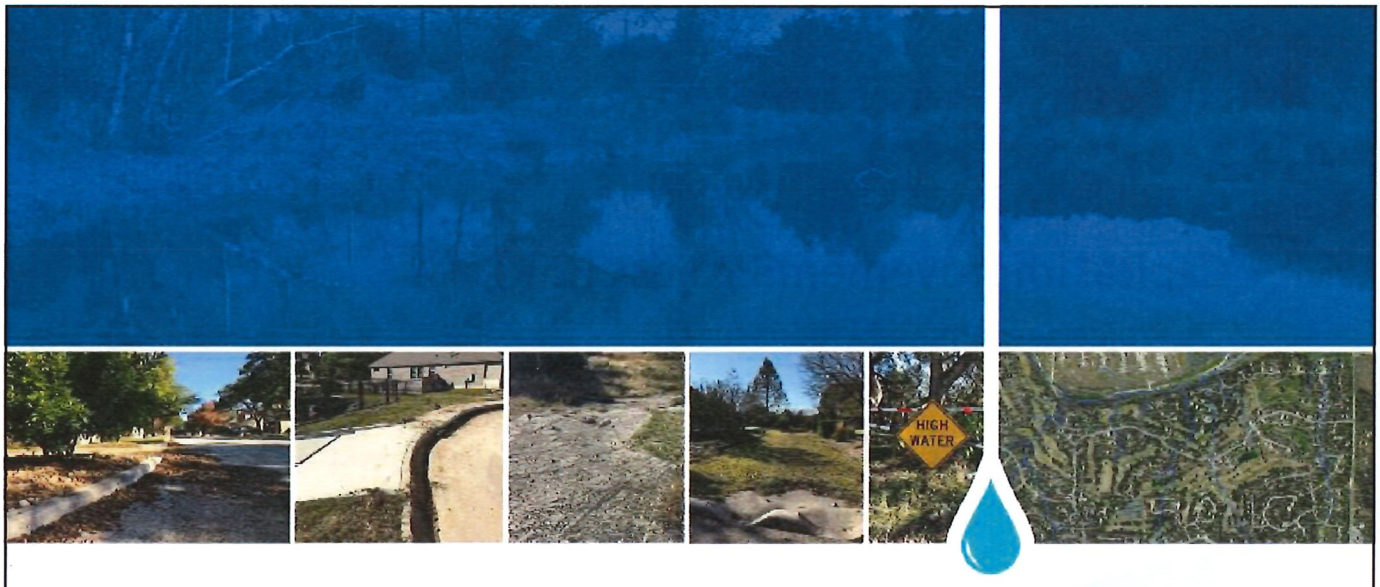
Integrated Policy Provides Consistent Framework



- *What is City stormwater infrastructure?*
- *What type of stormwater service does the City desire?*
- *How are easements defined to provide this service?*
- *How can the City meet MS4 (water quality) requirements with its criteria?*

Coordinate with Gap Strategies to integrate stormwater into Comprehensive Land Use update



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STORMWATER DRAINAGE 105: CIP LIST AND FUNDING

Council Workshop

Master Drainage Plan & MS4 Assistance Services

January 2018

Today's Objective & Ground Rules

- Objective:
  - *Provide summary of key discussion items and stakeholder input from Workshop 4.*
  - *Present the updated prioritization framework based on stakeholder input.*
  - *Update the assessment of the Targeted Drainage Projects, including:*
    - *Assessment of access to sections of the City*
    - *Supporting data / model results and technical basis for site priorities*
  - *Present the CIP list and outline key decisions.*
- Ground Rules:
  - *Start and end this conversation together, over the next 6 months*
  - *Respectful disagreement encouraged*
  - *One conversation at a time*
  - *Be bold*
  - *No silent objectors*

Agenda:

1. Meeting Objectives and Ground Rules (5 minutes)
2. Review of Workshop #4 (10 minutes)
   a) Targeted Drainage Projects
   b) Prioritization Framework
3. System Resiliency / Low Water Crossings (30 minutes)
4. Updated Prioritization Framework (30 minutes)
5. Program Funding Options (20 minutes)
6. Define Next Steps (15 minutes)

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Workshops

March 2017	Stormwater Drainage 101: *A Conversation on Criteria*
May 2017	Stormwater Drainage 102: *Understanding the Tools*
August 2017	Policy Evaluation and Recommendations
October 2017	Drainage Project Prioritization Update
January 2018	CIP List and Documentation

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Workshop 4 Review

Draft CIP Components

- Targeted Drainage Projects
  - Low Water Crossings
  - Access and Safety
- FEMA Documentation
- Prioritization Framework
  - Draft Framework
  - Feedback from stakeholders (survey and discussion)

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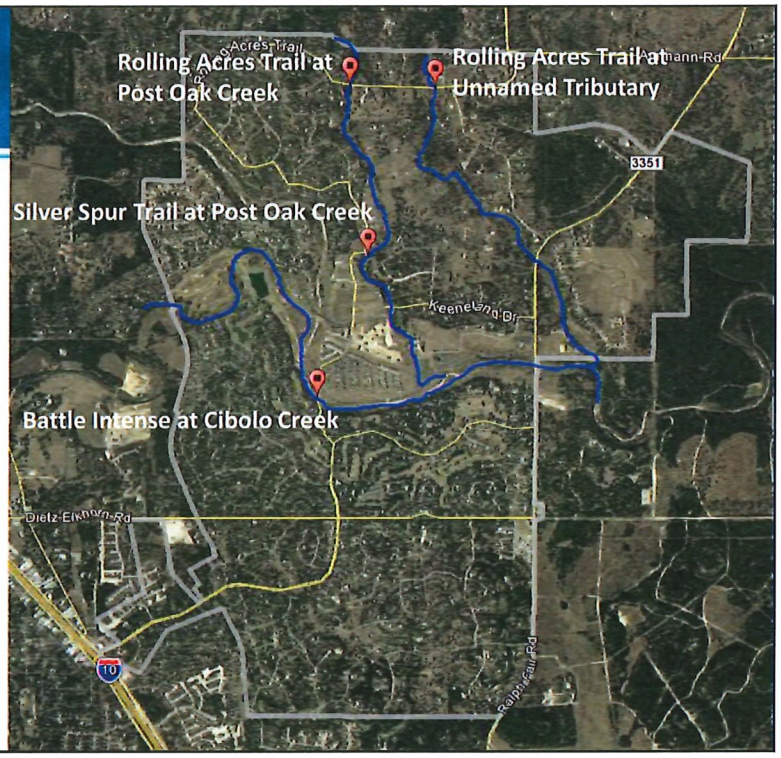
Low Water Crossings Evaluated

- Battle Intense at Cibolo Creek
  - Overtopped by larger regional rainfall upstream of the City
- Silver Spur Trail at Post Oak Creek
- Rolling Acres Trail at Post Oak Creek
- Rolling Acres Trail at Unnamed Tributary
  - Overtopped by local rainfall events



Key Issues Discussed on Low Crossing Alternatives

- Access is key
- Impact of each potential project on others
  - Projects are not isolated
  - Modeling of downstream impacts
- Project funding and alternatives

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Prioritizing Additional Sites

	Weight	Score
Estimated Cost	2	
Low		5
Medium		3
High		1
Source/Destination	3	
Public to Private		5
Public to Public		3
Private to Public		2
Private to Private		0
Public Infrastructure at Risk?	3	
Yes - Large Effect		5
Yes - Small Effect		2
No		0
Number of Houses	1	
Number of Houses (n)		n

	Cost Range
Low Cost Estimate	< $20,000
Medium Cost Estimate	$20,000 - $50,000
High Cost Estimate	> $50,000

- 4-Factors for draft prioritization score
  - Estimated Cost
  - Source and Destination
  - Risk to Public Infrastructure
  - Impact to Houses

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System Resiliency

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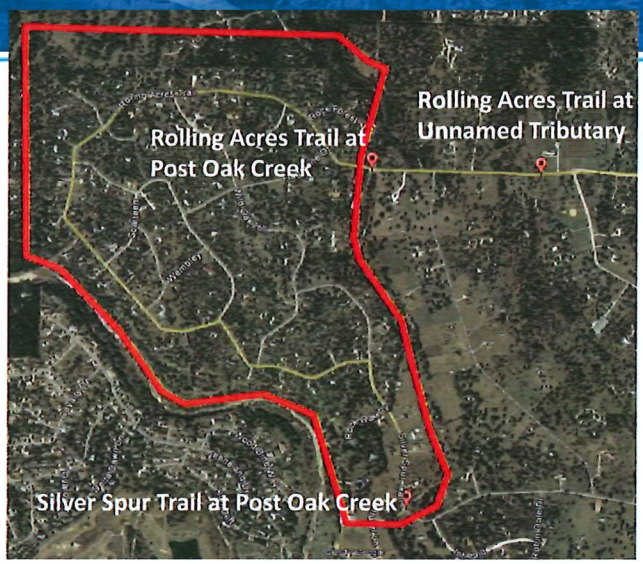
System Resiliency

- Current system has challenges with access to some areas
  - If a prolonged Cibolo Creek event occurs at the same time as a Post Oak Creek event, the northwest portion of the City (outlined red) will not be accessible
  - Upgrading crossings on Silver Spur Trail or Rolling Acres Trail mitigate the risk of this occurring



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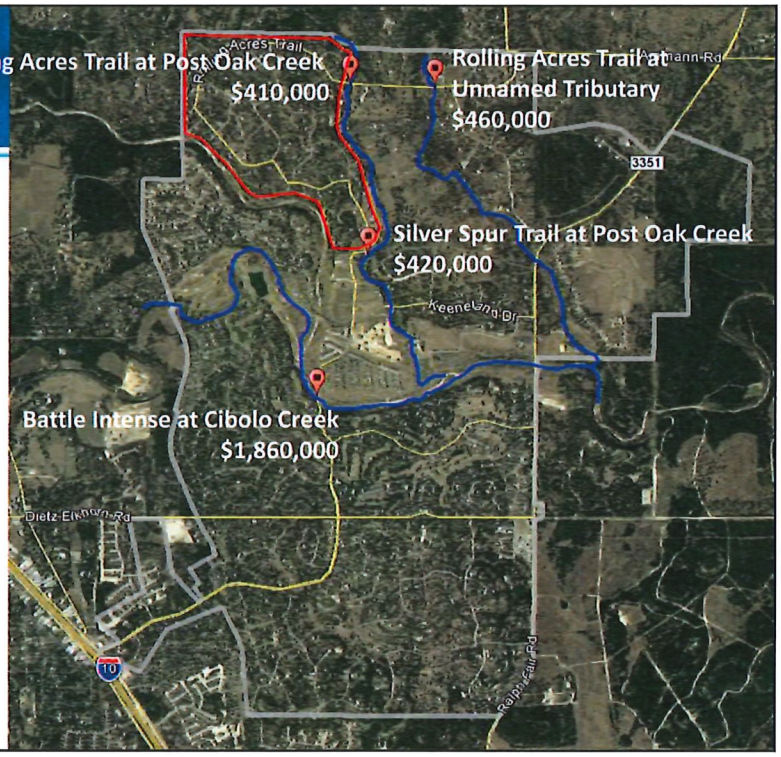
Improvement Prioritization

- Looked at major low-water crossings
- Improvements are for these large crossings only and further analysis of smaller crossings will be needed



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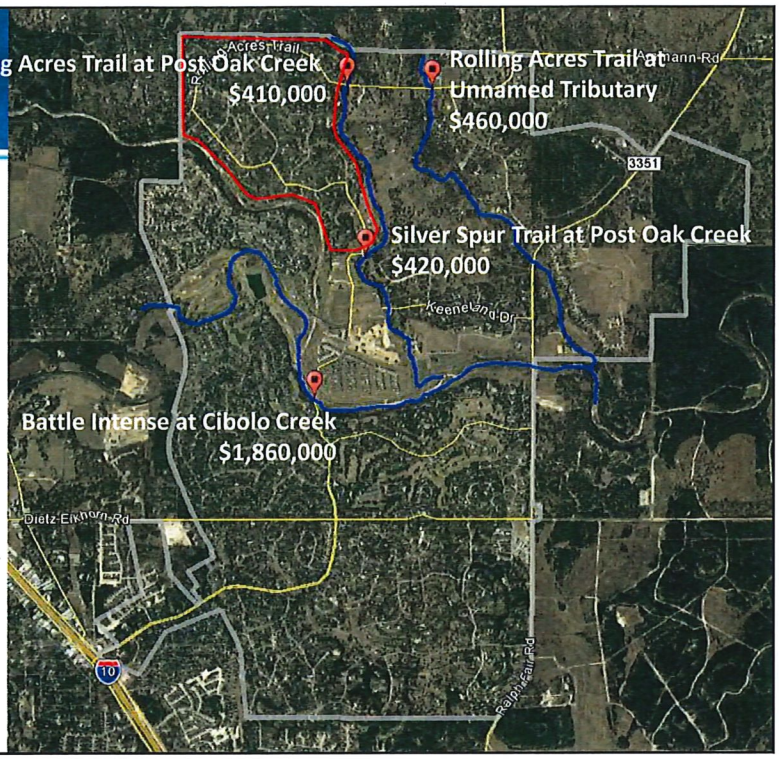
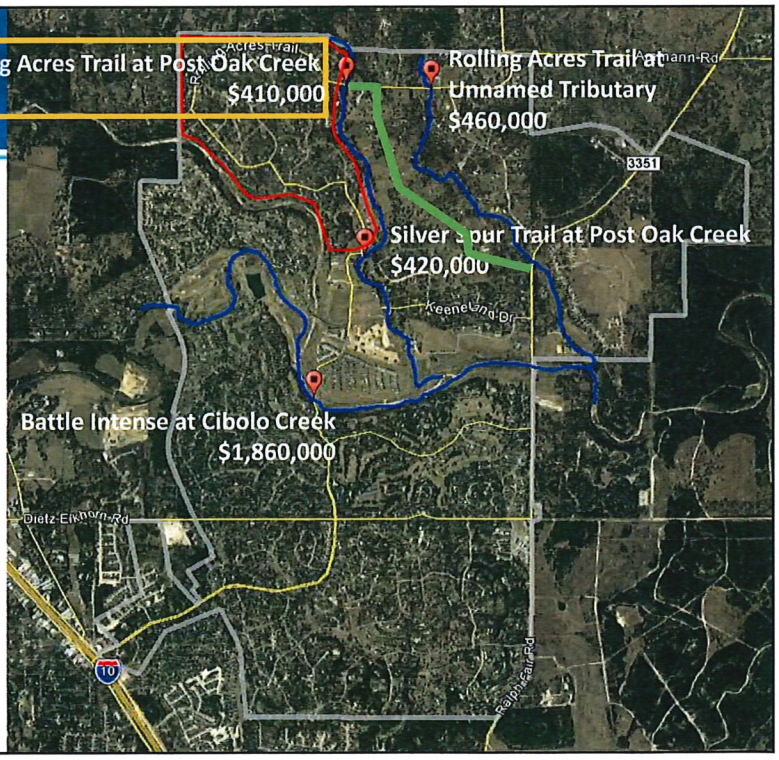
Improvement Prioritization

- Costs listed represent 5-year level of service costs



Improvement Prioritization

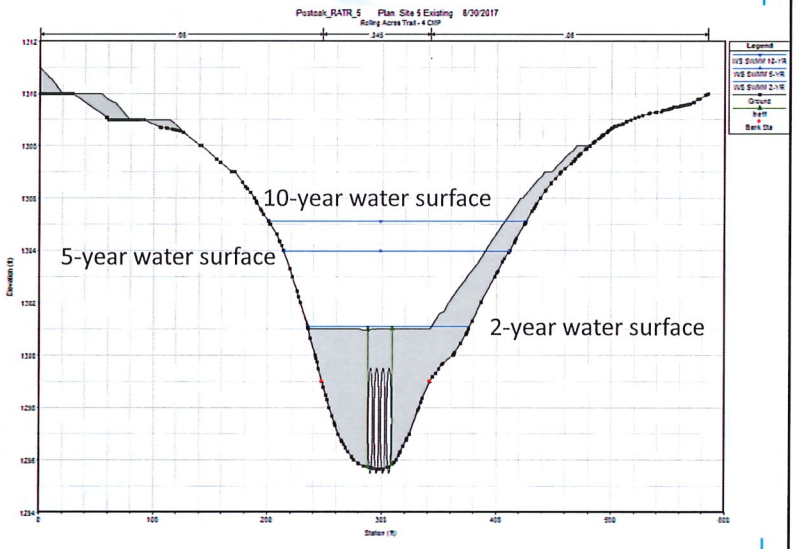
- Costs listed represent 5-year level of service costs
  - Potential Alternatives:
    1. Access by Rolling Acres Trail to Post Oak Trail to Silver Spur Trail - $410,000



CDM Smith

Rolling Acres Trail at Post Oak Creek

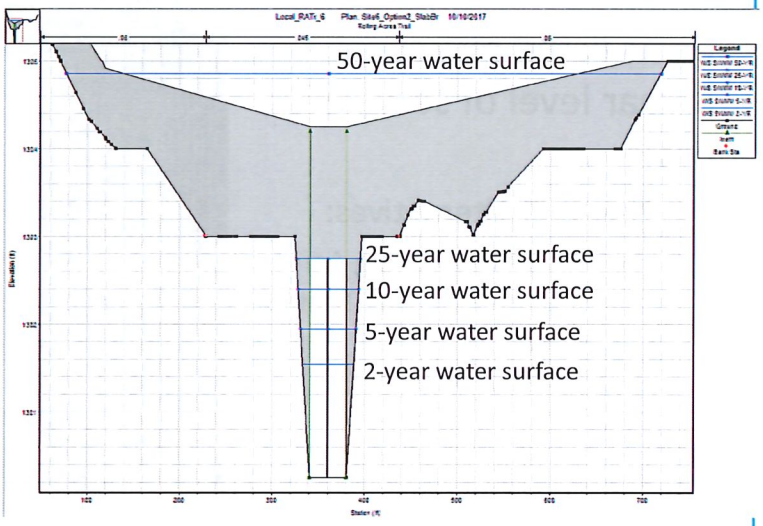
- Existing Crossing
  - Includes 4 – 4-foot corrugated metal culverts
  - Road elevation is at elevation 1,301 feet NAVD88
  - Overtopped by 2-year event at an elevation of 1301.1 feet NAVD88
    - Flooding depth of 0.8-feet



CDM Smith

Rolling Acres Trail at Post Oak Creek

- Alternative 2 – 5-year Level of Service
  - Replace the culvert crossing with a 200 foot long bridge
  - Road elevation raised 3 feet to 1,304 feet NAVD88
  - Conveys 25-year event and mitigates overtopping
  - Cost: $410,000

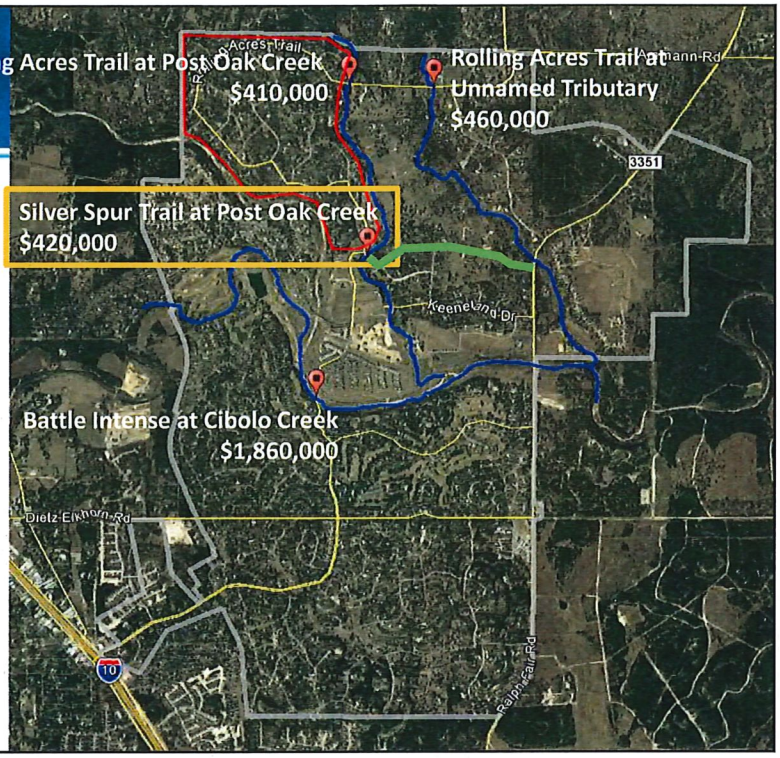


CDM Smith

CDM Smith

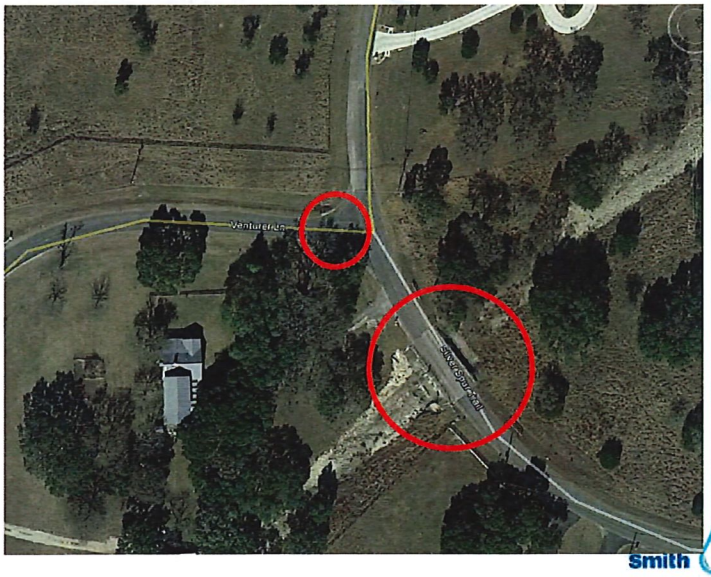
Improvement Prioritization

- Costs listed represent 5-year level of service costs
  - Potential Alternatives:
    1. Access by Rolling Acres Trail to Post Oak Trail to Silver Spur Trail - $410,000
    2. Access by Silver Spur Trail - $420,000



Silver Spur Trail at Post Oak Creek

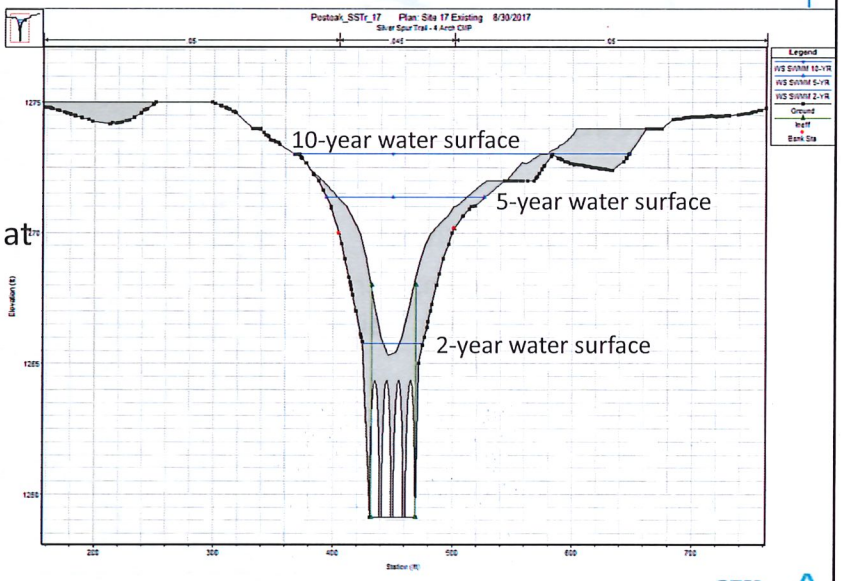
- Two issues:
  - Silver Spur Trail overtopped
  - Venturer Lane Culver undersized
  - Both needed to restore access



CDM Smith

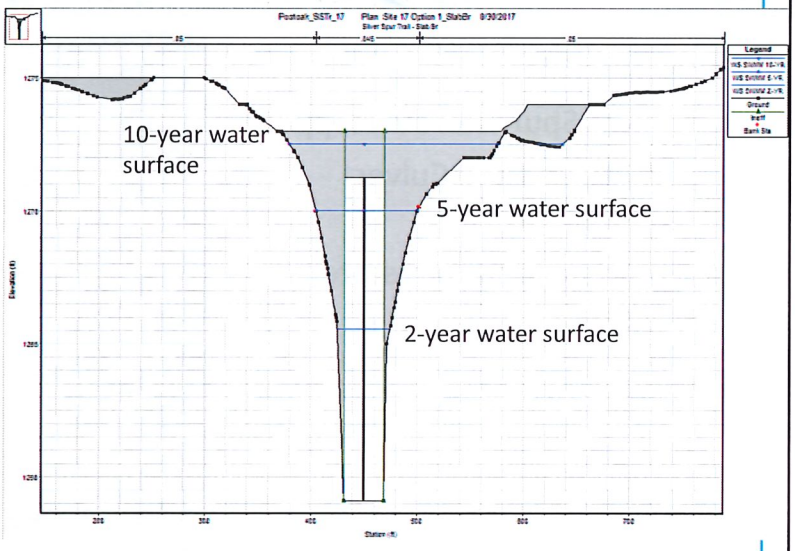
Silver Spur Trail at Post Oak Creek

- Existing Crossing
  - Includes 4 – 8-foot by 5.25-foot corrugated metal arch culverts
  - Lowest road elevation is at elevation 1,265 feet NAVD88
  - Overtopped by 2-year event at an elevation of 1,265.8 feet NAVD88
    - Flooding depth of 0.8-feet



Silver Spur Trail at Post Oak Creek

- Alternative 2 – 5-year Level of Service
  - Replace the culvert crossing with a 200 foot long bridge
  - Road elevation raised 8 feet to 1,273 feet NAVD88
  - Conveys 5-year event and mitigates overtopping
  - Cost: $420,000



Updated Prioritization Framework

Prioritizing Projects

Item	Weight	Score
Estimated Cost		
Low	2	5
Medium		3
High		1
Source/Destination		
Public to Private	3	5
Public to Public		3
Private to Public		2
Private to Private		0
Public Infrastructure at Risk?		
Yes - Large Effect	3	5
Yes - Small Effect		2
No		0
Number of Houses		
Number of Houses	1	n
Erosion Issue?		
Yes	1	5
No		0
Green Infrastructure Applicable?		
Yes	1	5
No		0

- Modified per last Workshop
  - Now includes Erosion and Green Infrastructure ratings to quantify water quality benefits
  - Original four factors remain (Estimated Cost, Source/Destination, Public Infrastructure Risk, and Number of Houses)

	Cost Range
Low Cost Estimate	< $20,000
Medium Cost Estimate	$20,000 - $50,000
High Cost Estimate	> $50,000

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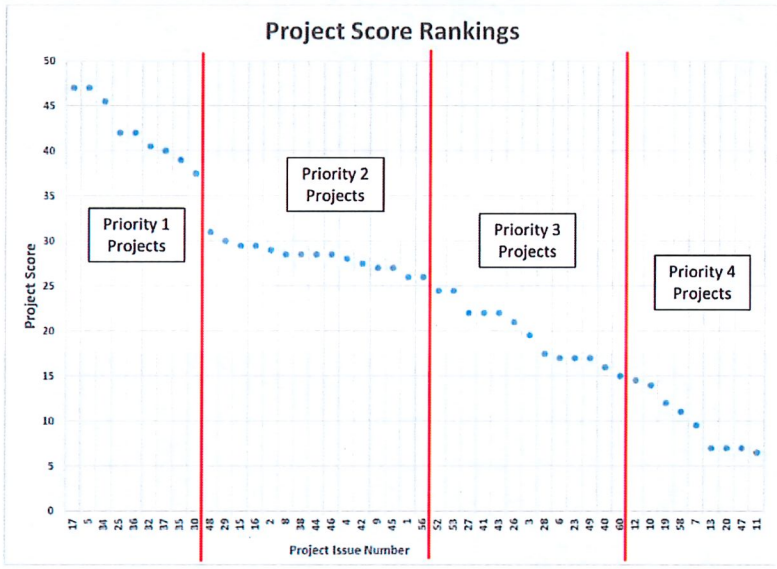
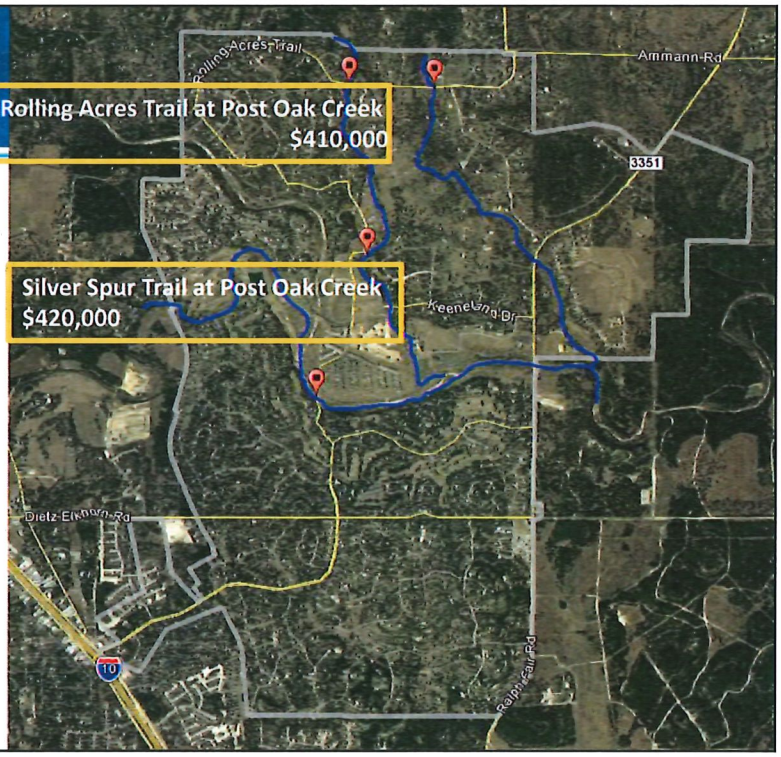
Prioritizing Projects - Results



- This list of projects represents existing stormwater issues analyzed by CDM Smith and do not represent a comprehensive list of all stormwater issues in the City

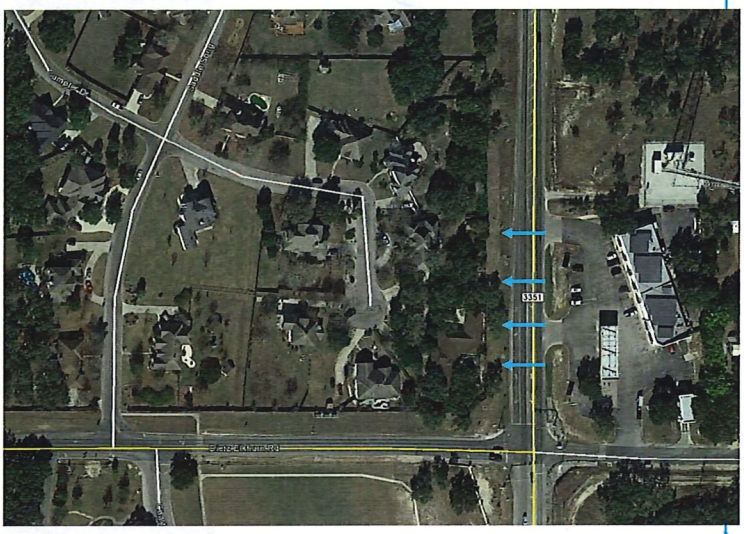
Prioritizing Projects – Priority Group 1

- One (1) "A" Site
  - Rolling Acres Trail at Post Oak Creek, OR
  - Silver Spur Trail at Post Oak Creek



Prioritizing Projects – Priority Group 1

- One (1) "A" Site
  - Rolling Acres Trail at Post Oak Creek, OR
  - Silver Spur Trail at Post Oak Creek
- Example "C" Site – Site 32
  - Stormwater flows west across Ralph Fair Road into backyards
  - Capture flow crossing Ralph Fair Road
    - Improve existing infrastructure on east side of Ralph Fair Road
    - Construct new swale on west side of Ralph Fair Road



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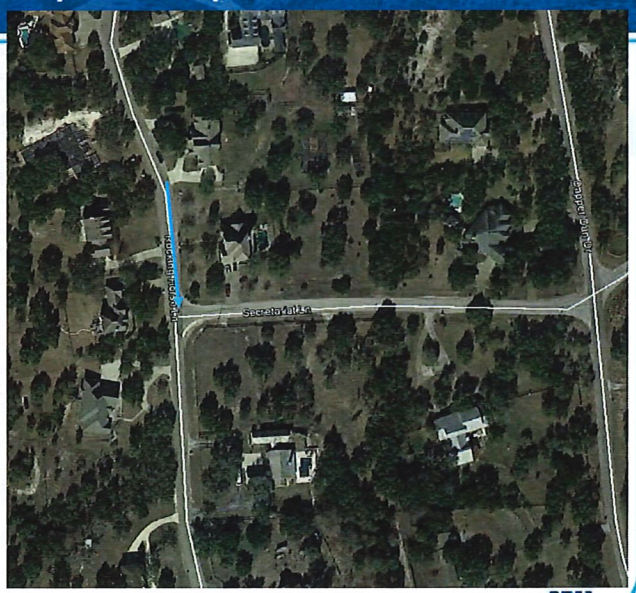
Prioritizing Projects – Priority Group 2

- Example "C" Site – Site 38
  - Stormwater ponds in front yard of property on Rocking Horse Lane
  - Capture flow on Rocking Horse Lane and convey east along Secretariat Lane
    - Improve stormwater capture on Rocking Horse Lane
    - Construct drainage ditch along Secretariat Lane



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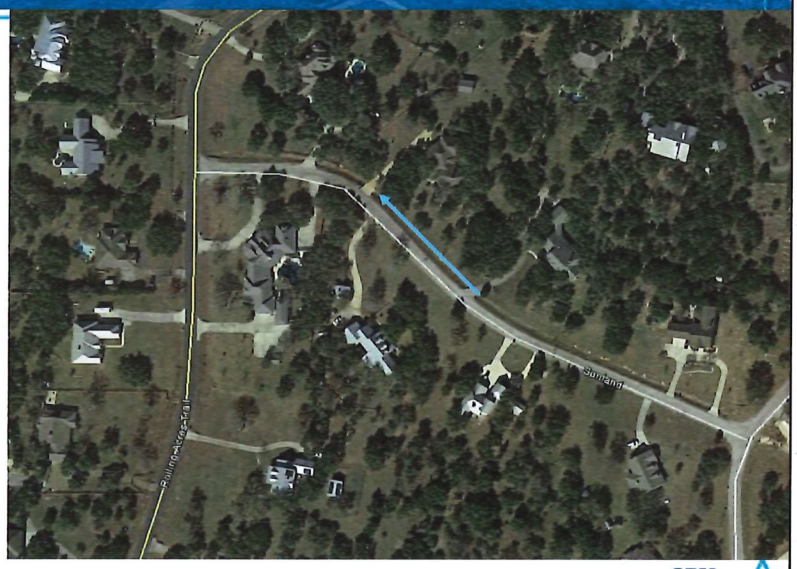
Prioritizing Projects – Priority Group 3

- Example "C" Site – Site 3
  - Stormwater flows east through an undersized drainage ditch
  - Multiple sites in this area, a detention basin could solve this site and Sites 2 & 8
  - Other alternatives:
    - Widen the existing drainage channel
    - Reinforce the existing channel with concrete to increase conveyance
    - Increase Sunland road elevation



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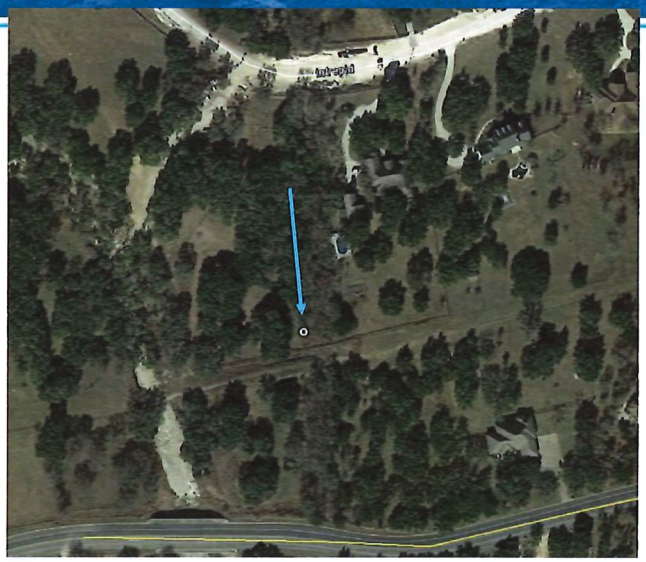
Prioritizing Projects – Priority Group 4

- Example "C" Site – Site 19
  - Undersized culvert beneath HOA trail causes water to back up
  - Remove existing culvert and replace with 3 - three-foot diameter culverts



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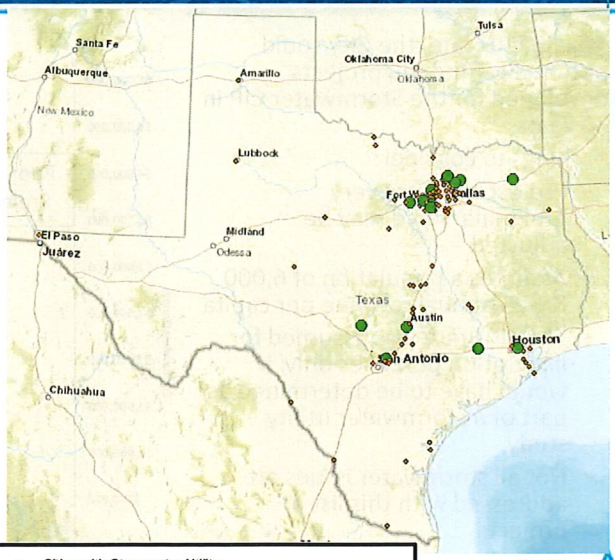
Program Funding

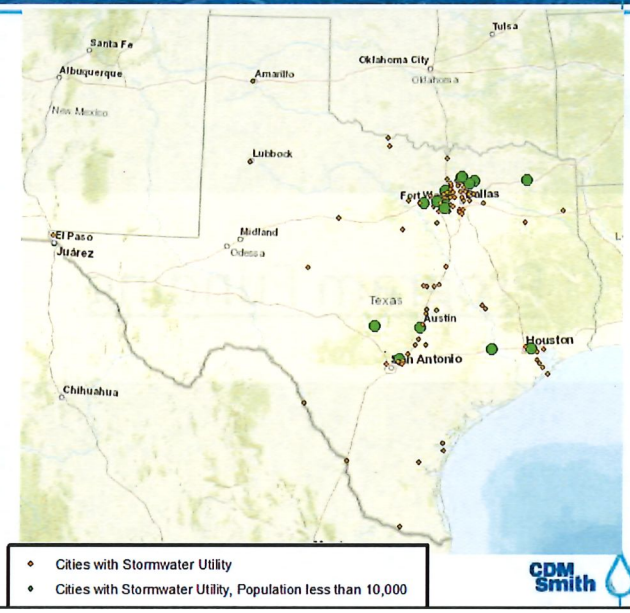
Potential Stormwater Program Funding – Stormwater Utility

- Commonly used funding mechanism in Texas
  - 109 total communities
  - Including many small communities (15 less than 10,000 in population)
- Provide dedicated revenues for stormwater needs
- Generally capable of funding an entire stormwater program, including administrative, flooding, and regulatory needs
- Provides an equitable, legally defensible way for citizens to pay into a service the City provides



Potential Stormwater Program Funding – Stormwater Utility (con't)

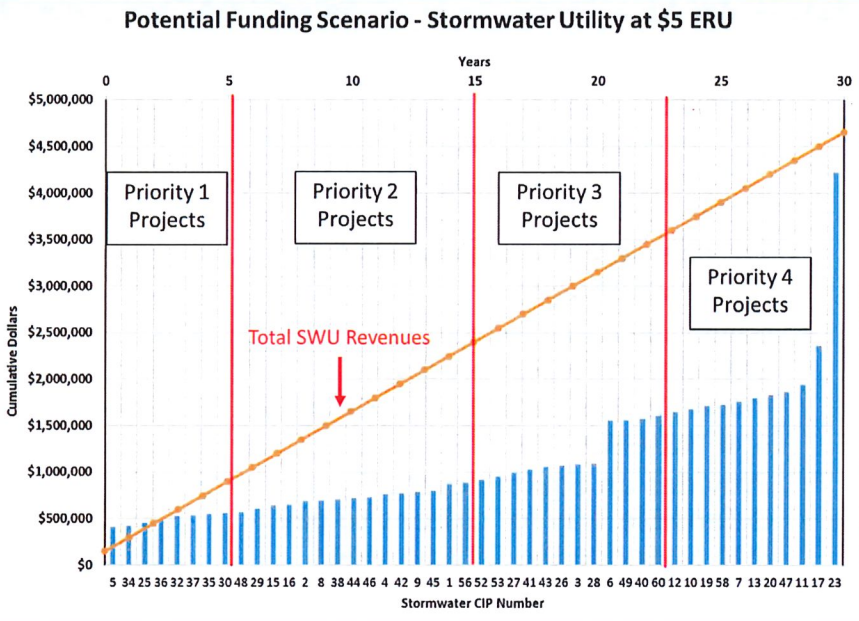
- Average rate for small communities in Texas is $5 per equivalent residential unit (ERU)
  - ERU is a rate structure based on a proxy for stormwater runoff generation, typically impervious area
  - The more runoff a customer has, the more service the municipality needs to provide
  - Residential generally receives the same fee per dwelling unit, commercial fee is determined usually based on their impervious area



Potential Stormwater CIP Funding – Stormwater Utility

At a $5 ERU rate, the City could potentially fund the projects developed for the Stormwater CIP in 30 years

- Things to consider:
  - Project costs are very preliminary and may be adjusted
  - Assumes a population of 6,000 & $25 annual revenue per capita
  - The ERU rate was assumed for illustration purposes only, it would have to be determined as part of a stormwater utility study
  - Not all stormwater issues are addressed with this list of projects



Key Decisions / Next Steps

Workshop Progress

- Meeting 1: Stormwater 101 – background on stormwater policy
- Meeting 2: Stormwater 102 – modeling background
- Meeting 3: Stormwater 103 – policy recommendations
- Meeting 4: Targeted Sites and Stormwater CIP Development

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Stakeholder Feedback Shaped Outcomes

	Result
▪ Meeting 2 – Poll summarizing input on drainage criteria policy preferences	Used to shape drainage criteria policy recommendations
▪ Meeting 3 – Poll summarizing project prioritization preferences	Used in development of project prioritization scoring matrix
▪ Workshop 4 – Water Quality as a project ranking criteria	Erosion and green infrastructure potential added to scoring matrix
– Feedback on emergency access resiliency	Additional modeling and analysis completed to prioritize emergency access resiliency

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Next Steps

– Finalize Master Drainage Plan Deliverables

MASTER DRAINAGE PLAN

- Complete Master Drainage Plan
- Model
- Prioritized CIP
- Funding Opportunities

MS4 COMPLIANCE STRATEGY

- Revised SWMP – Integrate into MDP
- Annual Report(s)
- MS4 Compliance Tools

IMPLEMENT DEVELOPMENT TOOLS

- Evaluate Existing Policies
- Identify Policy Framework

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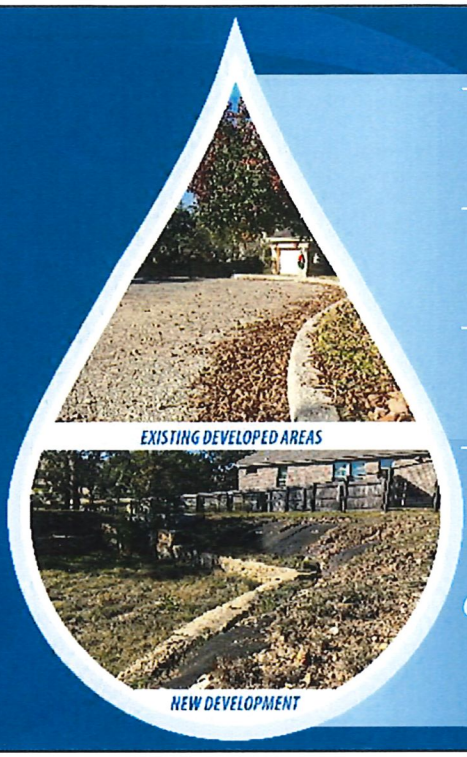
Integrated Policy Provides Consistent Framework



- *What is City stormwater infrastructure?*
- *What type of stormwater service does the City desire?*
- *How are easements defined to provide this service?*
- *How can the City meet MS4 (water quality) requirements with its criteria?*

Coordinate with Gap Strategies to integrate stormwater into Comprehensive Land Use update

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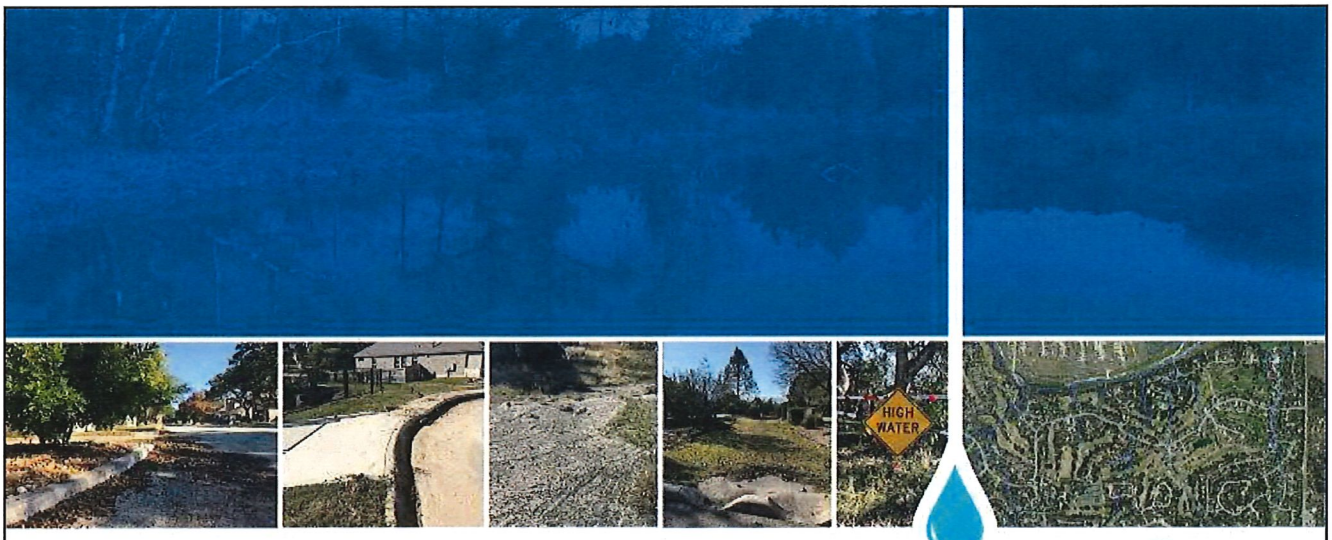

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MEETING Notes

City Council Workshop –
Stormwater Drainage 101: A Conversation on Criteria

Date: March 2, 2017

Location: City of Fair Oaks Ranch City Hall
7286 Dietz Elkhorn
Fair Oaks Ranch, TX 78015

Prepared by: CDM Smith

Attendees:

Council: Steve Hartpence, Roy E. Elizondo, Garry Manitzas, Snehal R. Patel, MaryAnne Havard.

City Staff: Tobin Maples, Charles Zech (Attorney),

Paul Bimler, FORGCC Board Member

Bob Weiss, Fair Oaks Ranch Institutional Knowledge

John Meritt, CIP committee

Laura Koerner, future Council

Michael Rey, Development Community

Steve Hartpence, Alderman – Place 3

Garry Manitzas Mayor

Snehal R. Patel, Alderwoman – Place 5

Roy Elizondo, Alderman – Place 2

MaryAnne Havard, Alderwoman – Place 1

Jim Canizzo – Military Relationships

Al McDavid, Pres of Municipal Development

Tobin Maples, City Administrator

Debra Grandjean, VP for City FORHA board

Meeting Objective:

Provide Drainage 101 Introduction for committee representatives.

Detailed Notes:

City attorney stated that the meetings are subject to the Texas Open Meetings Act.

CDM Smith team discussed the ground rules for the meeting.

CDM Smith noted that the goal of this meeting was to introduce drainage concepts and lay the groundwork for ultimately developing policy recommendations related to City responsibility for stormwater infrastructure and to define what types of stormwater infrastructure should be used in the City.

Comments received from committee on the following:

- The committee asked how water quality will be addressed in the project. The group responded that water quality will be addressed through the MS4 permitting efforts. Citizen advisory committee also mentioned water quality to be addressed through Gap Strategies efforts in the Comprehensive Plan.

- Councilman Elizondo noted that the group must be aware of potential unintended consequences. A proactive approach is being taken to address impacts of development.

- Councilman Hartpence noted that the City has ordinances and regulations that address obstructions, such as fences. Based on the ordinances, a developer, or homeowner would need to get permit / approval through the City to install a fence. However, redevelopment (rebuilding / replacement of fence would not be required to have a permit), and there are many unpermitted fences or potential obstructions.

- Stakeholders noted concerns with recharge / karst features. Some karst features have been filled in, reducing the potential reduction in surface flows. CDM Smith will add this as a part of the stormwater drainage infrastructure. The committee noted that the project team should also keep the recharge areas adjacent to Cibolo Creek in mind.

- Stakeholders asked if the criteria that are ultimately developed can address damage to property. It was noted that may be a recommendation of the committee

- The committee asked what do cities typically do to address stormwater drainage. In response there was discussion about the fact that communities address more frequent events than 100-year event, especially in existing developed areas. Tobin noted that this has been one of the primary discussions in Houston, where streets are maintained as flood control conveyance, but can impact cars parked in road. The committee discussed right-of-ways, and asked if these are allowed to address these challenges. Street conveyance has a large impact on first responders.

- New Braunfels has increased their impervious cover threshold (Note: if the total impervious cover for developments is ≥ 5,000 square feet or within FEMA Special Flood Hazard Area and ≥ 30% of the site, water quality control implementation requirements apply). This is an example of impervious cover threshold used as part of new development criteria. Impervious cover is also often used in development of a stormwater utility fee, which is something this committee could consider to help implement improvements to drainage in the City.

- Councilwoman Patel noted that she would like to have a better understanding of what other communities are doing. Debra Grangy, VP for City FORHA board, noted that it would be helpful to know what is working in other cities, and what has not worked. This may include "zones" for development and new development vs. redevelopment.

- Councilman Elizondo noted that impervious threshold would catch other criteria, such as building pools or patios.

- Councilwoman Patel noted that SARA has done some innovative things. CDM Smith will add SARA as a reference for design criteria from other communities.

- CDM Smith to provide copy of presentation. City will provide copy of current Subdivision Regulations, which can also be found at the following website: http://z2.franklinlegal.net/franklin/Z2Browser2.html?showset=fairoaksranchset.

- The committee noted the importance of considering the impact of stormwater regulations on growth for each local community. A consistent framework for development design criteria is key to managing stormwater infrastructure as part of new and redevelopment. It is important for all developers to know that each is being held to the same standard. The City Manager noted that this will be part of the Gap Strategies discussion.

- Mayor Manitzas noted that he wants to understand the order of magnitude of cost for potential solutions. Cost will be included as part of bringing a list of proposed capital improvements to the committee later this year.

- The City noted that prior to 1989, each of the three counties that intersect Fair Oaks Ranch had its own rules and regulations for subdivision development. Developments were designed using county regulations and thus, there were differences depending on the county. It is important to keep the historical context of how and why the City developed in a certain way.

MEETING Notes

City Council Workshop –
Stormwater Drainage 102: Understanding the Tools

Date: May 4, 2017

Location: City of Fair Oaks Ranch City Hall
7286 Dietz Elkhorn
Fair Oaks Ranch, TX 78015

Prepared by: CDM Smith

Stakeholder Group Attendees:

Mayor Manitzas
Roy Elizondo
Al Schmidt
Snehal Patel
Steve Hartpence
Maryann Havard
John Merritt
Debra Grandjean - FORHA
Laura Koerner
Paul Bimler
James Cannizzo
Michael Rey
Bob Weiss

Stakeholder Group not attending:
Al McDavid

City Staff:
Ron Emmons
Adrian Garcia
Julio
Tobin Maples
Christina

Meeting Objective:

The objective of this meeting is to expand on discussion from Workshop 1, providing additional details and background information about stormwater modeling and how it is used as a tool. The

goal of the workshop is to set the stage for future discussions and decisions of City responsibility for the stormwater system.

Detailed Notes:

- Public Works Director opened the meeting at 10:30 am.
- Brenda Macke reviewed key workshop #1 material. Discussion items included:
  - Discussion regarding Edwards Aquifer Authority regulatory requirements and potential for consistent rules across City, to bring alignment so that there is not certain rules in one part of City and not the others. Stakeholders discussed that MS4 program may provide basis for that concept.
  - Major drainage course discussion.
    - Alderman Elizondo noted that major drainage course can be often pointed towards the neighbors. Brenda noted that this might be a swale along the property line. Stakeholder noted that might be true in suburban areas but in the more rural areas, that may not be true.
    - Brenda noted that as a designer, "major drainage course" is not a clear term
  - Impervious area threshold discussion.
    - Alerman Elizondo noted that addition of patio caused drainage issues
    - Rhetorical question: is there a scenario based approach?
    - Mayor - how hard is it to implement this?
  - Stormwater criteria
    - Ideas for cities in Texas that have good ideas.
      - Where else are leading programs?
      - Alderman Patel indicated interest in riparian corridors
    - Discussion about identify what they want out of the city in the long term - a vision
    - Brenda noted the vision might include integrating stormwater quality practices into the City's approach to managing stormwater.
    - Tobin noted that this is consistent with the "form and function" they are talking about with Gap Strategies to create value
- Understanding of Stormwater Model. Discussion items included:
  - 100 year storm event
    - Does the 100 year event consider the rainfall only or the infrastructure can handle? Brenda noted it was just the rainfall.
    - Discussion of fill in the floodplain. Brenda noted that some cities choose to not allow construction within the floodplain. That is a decision for the community to make.
    - Discussion that it may be appropriate to consider that Fair Oaks is between to climate conditions - part in a desert and other part in coastal plain.
    - Discussed where does the rainfall data for this analysis come from (local) and how it is calculated (statistical analysis)
  - Understanding Stormwater Model - hydrology handout
    - How do you define the area? Brenda noted it was the contours.
    - Alderman Elizondo described how flow from drainage areas aggregate into major drainage courses. He noted this was important to understand because these are the questions that come up from citizens.
    - Question about Deer Meadow Estates. Is it included? Brenda noted it is included.
  - Hydraulics

        - Question about regulating velocities. Brenda noted that you can develop a policy around velocity and the city has one right now for streets to keep flow at < 10 ft/s. She indicated that it is hard to think that streets are meeting that now.
- Level of Service Discussion
    - Brenda noted that 5 acres was the typical size of successful bioretention. Alderman Patel asked questions about the size of bioretention, as Boerne is using 25 acres. Brenda noted that this is because of vegetation impacts of higher flows and the focus on water quality.
    - Stakeholders discussed desire for community to have bioretention. Much interest in this and low impact development as a tool for them to manage their development, water quality and to some extent water quantity.
    - Alderman Patel asked for a segment at next workshop on low impact development. What does it mean? It is more sophisticated on this.
- Applying the model
    - Brenda walked through the model example at Fairway Bluff
    - Stakeholders noted that the home on the back side of the golf course has reported flooding at least 3 times in the past few years.
    - Discussion that it is important to maintain the stormwater infrastructure (bioretention, detention)
    - Discussion that model can be updated to test various solutions for the "drainage issues" list.
- Overall
    - Balancing the existing versus new development. What challenges can be expected? Some of it cannot be addressed and in those cases, education is key. The model can be used to help explain why.

Survey - gated or private. Gated = private. Anything outside of gate is maintained by City.

MEETING NOTES

City of Fair Oaks Ranch – Stakeholder Meeting 3

Meeting Details:

Date:	**August 17, 2017**
Time:	2:00-4:00 pm CST
Location:	City of Fair Oaks Ranch City Hall 7286 Dietz Elkhorn Fair Oaks Ranch, TX 78015

Attendees:

City of Fair Oaks Ranch	**City Staff:** **Ron Emmons,** **Adrian Garcia,** **Julio Colunga,** **Tobin Maples (2nd half),** **Charles Zech** **Council / Stakeholders:** **Steve Hartpence,** **Roy E. Elizondo,** **Garry Manitzas,** **Maryanne Havard,** **Laura Koerner.** **Additional stakeholders:** **Bob Weiss, Fair Oaks Ranch** **Michael Rey, development** **Al McDavid, Pres of Municipal Development** **Debra Grandjean, VP for City FORHA board**
CDM Smith	Tina Petersen, Scott McClelland, Gian Villarreal

Meeting Notes (action items in bold):

- CDM Smith is evaluating 46 sites with drainage problems.
  - The draft results and recommendations for prioritization of projects will be presented in Workshop #4.
  - Question from stakeholders: How were the sites selected?

    - City staff identified high priority locations at beginning of effort
- Limited numbers of respondents on the stakeholder surveys.
    - Some stakeholders were not aware of the surveys developed by CDM Smith.
    - **CDM Smith to consider updates to the surveys and to re-send survey links.**
    - **City to ensure that stakeholders receive the links to surveys.**
- **CDM Smith to clarify the map in the presentation showing the 46 sites - change the symbol to make more clear**
    - The stakeholder group had questions about potential projects in different areas of the City.
- Projects that would solve multiple location problems should be prioritized.
    - There are a few projects where the proposed solution might help multiple drainage problems.
    - **CDM Smith to provide examples in the next workshop**.
- When staff are reviewing plans, plates, they may not have the tools they need to determine what the impacts will be.
    - CDM Smith is developing the drainage model to provide additional information about the drainage system.
    - Guidance manual would be useful for both developers and the city engineers.
- Drainage and impacts of development need to be considered for new development and re-development.
- Ron - Subdivision requirements do specify use of curb and gutter; however, for HOAs the City may be limited in ability to enforce
- A new development should consider not only the capacity of the system within the development, but the impact on the downstream system.
- Note – the City is currently using street sweepers that require curbs and gutters to be effective.
- **CDM Smith to discuss credit for MS4 permit for street sweeping program.**
- Question: How do drainage requirements apply to homeowners that change the drainage on the property?
    - There need to be criteria to set up thresholds for this, such as requirements for 1 acre development or additional 1,000 sq ft of impervious.
- Based on the growth of the City, the use of roads is different from the original designation. For example, some roads that are not intended to be arterials, have begun to function like arterials.
- A primary concern for the City is emergency access.
    - Based on emergency access, Rolling Acres is likely a high priority - access during rainfall events can be limited and alternate paths are limited.
- Opportunity for collaborative solutions.
- Criteria manual states that stormwater off priority
- Discussion about who has responsibility for private and public drainage challenges.
    - Discussion about the property near the basin / recharge feature. Private to private.

MEETING Notes

City Council Workshop –
Stormwater Drainage: Targeted Sites and CIP Development

Date: October 19, 2017

Location: City of Fair Oaks Ranch City Hall

Prepared by: CDM Smith

Attendees:

- Mayor Garry Manitzas
- Council: Steve Hartpence, Roy E. Elizondo, Maryanne Havard, Greg Maxton, Laura Koerner
- City: Tobin Maples, Ron Emmons, Adrian Garcia, Sandra Gorski, Julio Colunga
- Stakeholders: Paul Bimier, James Cannizzo, Debra Grandjean, Al McDavid, John Merritt, Michael Rey, Bob Weiss
- CDM Smith: Scott McClelland, Tina Petersen, Gian Villarreal

Meeting Objectives:

1. Present Policy Recommendations.
2. Set the stage for community discussions regarding City responsibility for the stormwater system.
3. Determine level of service for A and B sites to be used to finalize targeted stormwater project assessments.
4. Discuss Draft CIP prioritization process. Get feedback from Stakeholders on the process.

Detailed Notes:

1. Review of Previous Workshops
    a) Refresher on the Stormwater Model
    b) Review of Survey Results
        1. Will CDM Smith's project include funding options? CDM Smith noted that it will include high level concepts, but will not identify specific funding mechanisms.

2. What is the definition of emergency road? CDM Smith noted that we were looking at access to the entire City during 100-year.

3. What is meant by Private "for Public vs Private" property? Project team noted that subdivisions with private roads would be considered private.

4. Clarification that the discussion was about stormwater quality, and not drinking water quality? Project team reviewed water quality options on the survey to clarify that it was stormwater.

5. Comment about Trash: Ms. Grandjean noted that there is a problem with trash coming from upstream (Boerne). In addition, there is manmade and natural debris that ends up in the creeks. Ms. Grandjean suggests that trash in the receiving water is an issue, but most do not own property in the flood plain (like FORHA does) and thus do not have to deal with issues. She provided an example of when FORHA had to spend thousands of dollars to clean up a park, including removal of sediment from heritage trees. Ms. Grandjean suggested working with Boerne to deal with trash coming from them.

6. Stormwater utility was discussed.

    i. Stakeholders noted that they felt that having a dedicated source of funding for stormwater is important.

    ii. Utility used in 109 communities and many small communities

    iii. Often can be used to fund entire stormwater program

    iv. Average rate of $5 per equivalent residential unit

    v. Discussed the funding toward meeting CIP that the utility would provide

7. Question about curb and gutter. Are we defining how they look? Project team noted that the stormwater study would not address, but this is something that may be addressed by Gap Strategies study.

2. Review Policy Recommendations.

    a) Reviewed previously discussed drainage policy recommendations

        1. Existing and future development recommendations

        2. Street system conveyance recommendations

        3. Downstream protection recommendations

3. Targeted Drainage Projects (40 minutes)

a) Police chief noted that they define passable emergency road -> 6 to 7 inches for standing water and 4 inches for flowing water

b) Discussion about looking at major road crossings holistically. Access to all areas during rainfall events is priority. As long as one road allows access, alternative routes would not be as high of a priority.

c) Battle Intense.

    1. Stakeholders noted that the response observed with the model for Battle Intense crossing is consistent with their experience. Confirmed that frequent flooding of ~1 ft occurs.

    2. Councilmember Haver noted that she did not think funding of this project should be considered; instead, Ralph Fair project should be prioritized.

    3. Police Chief noted that this crossing was not priority for him.

    4. Stakeholders noted that if flooding issues addressed on other roads, then addressing Battle Intense is not necessary.

    5. Stakeholders indicated that they wanted to consider 2-year LOS for this alternative

d) Rolling Acres Trail at Post Oak

    1. Police chief noted that this site closes at the same frequency as Battle Intense.

    2. Water over the road happens very quickly

    3. For police chief, this is higher priority because of emergency access

    4. Stakeholders indicated that they wanted to consider 5-year LOS for this alternative

e) Silver Spur

    1. For police chief, this is higher priority because of emergency access

    2. Stakeholders indicated that they wanted to consider 5-year LOS for this alternative

f) Rolling Acres Trail at Unnamed Tributary

    1. Priority for emergency access, if Silver Spur is not addressed.

    2. Stakeholders indicated that they wanted to consider 5-year LOS for this alternative

4. Reviewed proposed prioritization process

a) Will add WQ to the matrix

5. Next Steps

    a) Finalize Master Drainage Plan

        1. A sites based on stakeholder recommendations

    b) Finalize prioritization framework

    c) Develop draft Capital Improvement Project (CIP) List

        1. Projects recommendations for CIP

        2. Workshop

    d) MS4 Compliance Efforts

Meeting Notes

City Council Workshop 5 – Stormwater Drainage 105 CIP List and Funding

Date: January 18, 2018

Location: City of Fair Oaks Ranch City Hall

Prepared by: CDM Smith

Attendees:

- Mayor Garry Manitzas
- Council: Roy E. Elizondo, Maryanne Havard, Greg Maxton, Laura Koerner, Steve Hartpence
- City: Tobin Maples, Ron Emmons, Adrian Garcia, Christina Picioccio, Julio Colunga
- CDM Smith: Matt Scott, Tina Petersen, Gian Villarreal

Meeting Objectives:

- Provide summary of key discussion items and stakeholder input from Workshop 4.
- Present the updated prioritization framework based on stakeholder input.
- Update the assessment of the Targeted Drainage Projects, including:
    - Assessment of access to sections of the City
    - Supporting data / model results and technical basis for site priorities
- Present the CIP list and outline key decisions.

Detailed Notes:

Tina Petersen reviewed objectives, agenda

Workshop Review presented by Gian Villarreal

System Resiliency topic presented by Matt Scott.

- There were several questions/comments:

- Mayor had question about the bridge structure. Matt provided detail.

- Would the driveways be impacted? Matt noted that they did were not.

- Tobin asked about the cost estimates that were presented. Matt noted that they were conceptual level costs that accounted for construction cost only; the costs did not include engineering, land acquisition etc. Tina also noted that the cost estimates were based on conceptual level estimate, reflecting +/- 50%. If project moves forward, an engineer's estimate would be prepared based on the actual project design.

- Council member Elizando asked if these options were reviewed with Scott (police chief')? He said that yes, they are. Ron noted that the crossing that is most dangerous is the one near Meadow Creek trail.

- Question about if Rolling Acres crossing would impact Silver Spur. Matt noted that CDM Smith modeled all projects together, and confirmed that doing improvements at Rolling Acres Trail @ Post Oak Creek would not impact Silver Spur.

- Council Member Elizando mentioned wanted to see how they all fit together, and how all of this impacts performance of the City's infrastructure.

- Police Chief noted that rolling acres cuts off a part of city. For them, Rolling Acres is higher priority than Silver Spur. They close Rolling Acres much more frequently, and Silver Spur is closed less often.

- Stakeholders agreed to prioritize Rolling Acres at Post Oak.

Updated Prioritization Framework

- Council member Elizondo noted that the prioritization spreadsheet can't capture all the information that is relevant for the decision making process. The conversation about the Rolling Acres @ Post Oak Creek represented a more robust way of decision making process.

- Matt walked through the priortization framework.

- Council Member Elizondo - noted that the projects are linked by stream; wanted to see the location or area of the city to help them understand as part of the decision making process.

- Council Member Havard had question about basis of the cost score. Matt noted that cost is a factor to consider, it is

- Council Member Koerner noted that the highest priority items on the list were the ones that they thought inherently were the priorities.

- Question about whether there was an opportunity to solve several problems with a single solution. Matt noted that there were a few places where that was possible.

- TxDOT road - it will end up on the CIP.

- Havard noted that she wants to make sure that the projects benefit the most people. Best use of tax payer dollars.
- Havard noted that she finds it difficult, the person who built the project knew this was a problem.
    - Koerner noted that she is OK because they are putting policy into place to solve problems in future, and thus hey can fix the problems in the future
    - Maxton noted that possibly we should look at emergency response as priority 1, then # of people and downstream impacts. They would stay in same order, but would be categorized in a way that helps them to better represent
    - Elizondo noted that they need to step back at "ofrest leveL" for developing policies
    - Koener appreciate the city column; allows city to adjust numbers to reflect the emotion. Our list is based on science.
- Hartpence. Don't see inside vs outside home differences. The priority should be home flooding, vs backyard flooding.

- Schmidt says this list Gives baseline. The list is helpful to get them information for evaluation
- Program funding
    - Questions/ comments:

        Question about gated communities paying into that. Noted that yes, they would pay. Ron noted that they still have to drive on public streets that would still get flooded. Solution to the gated community problem at Fountains is outside the gate.

        Elizondo noted one of the insights that he had - look at this as a system, need to look at benefit across the city. That has to be the basis of the stormwater utility.

        Question about how the fee is established. Matt noted that you can look at projects and determine pay-as-you go vs bonding.

Memorandum

To: *Ron Emmons, P.E. – City of Fair Oaks Ranch, Texas*

From: *Tina Petersen, Ph.D., P.E.*

Date: *April 5, 2018*

Subject: *Summary of Stormwater Modeling Completed for Master Drainage Plan*

As part of the Master Drainage Plan, a City-wide SWMM model was created to provide the following benefits:

- Quantify the level of service of the existing drainage system and help address existing issues
- Provide a technical basis for project development
- Support development stormwater policy evaluation

The SWMM model provided a high-level overview of the stormwater conveyance system throughout the City, which is primarily comprised of open channel ditches and culverts which convey flow under roadway crossings.

In addition, HEC-RAS modeling was completed for 5 low water crossings to provide additional detail at these locations.

Data Sources

Primary data sources used to develop the PCSWMM model were provided by the City of Fair Oaks Ranch, San Antonio River Authority (SARA), National Resources Conservation Survey (NRCS), and the United States Department of Agriculture (USDA). **Table 1** summarizes the data sources utilized.

Table 1 Data Sources

Dataset Description	Format	Source	Year of Publication
Survey of Soils for Bexar, Comal, Kendall County, TX	ESRI Shapefile	NRCS Soil Survey	2016
Land Use	ESRI GRID	USDA National Land Cover Dataset	2011
Imperviousness	ESRI GRID	USDA NLCD Percent Developed Imperviousness	2011
1-foot Elevation Contours	ESRI GRID	San Antonio River Authority	N/A
Existing Drainage Structures (partial list)	ESRI Geodatabase	City of Fair Oaks Ranch	2014
Parcels	ESRI Shapefile	City of Fair Oaks Ranch	N/A
City Limits and Streets	ESRI Shapefile	City of Fair Oaks Ranch	N/A
Precipitation	Rainfall Depth-Duration-Frequency	San Antonio Stormwater Design Criteria Manual (Section 5.5.2)	2016

SWMM Hydrology

The modeled area of the City of Fair Oaks Ranch has a total drainage area of approximately 7,973 acres. There are three inflow points to the model, including Post Oak Creek from the north, Balcones Creek from the west, and Cibolo Creek from the west. The development of a stormwater model using the US Environmental Protection Agency Stormwater Management Model (SWMM) to complete runoff calculations and evaluate the performance of the City's stormwater infrastructure are described in the following sections.

Subcatchments

The drainage area was subdivided into subcatchments using the PCSWMM tool "Subcatchment Delineation" based on the ground surface digital elevation model (DEM). This initial delineation was then further refined based on the layout of the stormwater conduits and the final 1,214 subcatchments are shown in in **Attachment 1** in plan view, with subcatchment inputs and results also listed in tables in **Attachment 1**. Subcatchment areas ranged from 0.61 acres to 859 acres with an average subcatchment area of 6.6 acres. A naming convention was established for subcatchments as described in **Table 1**, and modeled basins, which were broken into smaller subcatchments, are shown in **Figure 1**.

Table 2 Subcatchment Naming Convention

Watershed	Abbreviation	Example Subcatchment Name
Cibolo Creek	CC	CC-XXX
Balcones Creek	BC	BC-XXX
Post Oak Creek	PO	PO-XXX
Unnamed Tributaries	UT#	UT4-XXX

Note: There were unnamed tributaries, and these were numbered as indicated by the "#" in the "UT#" abbreviation.

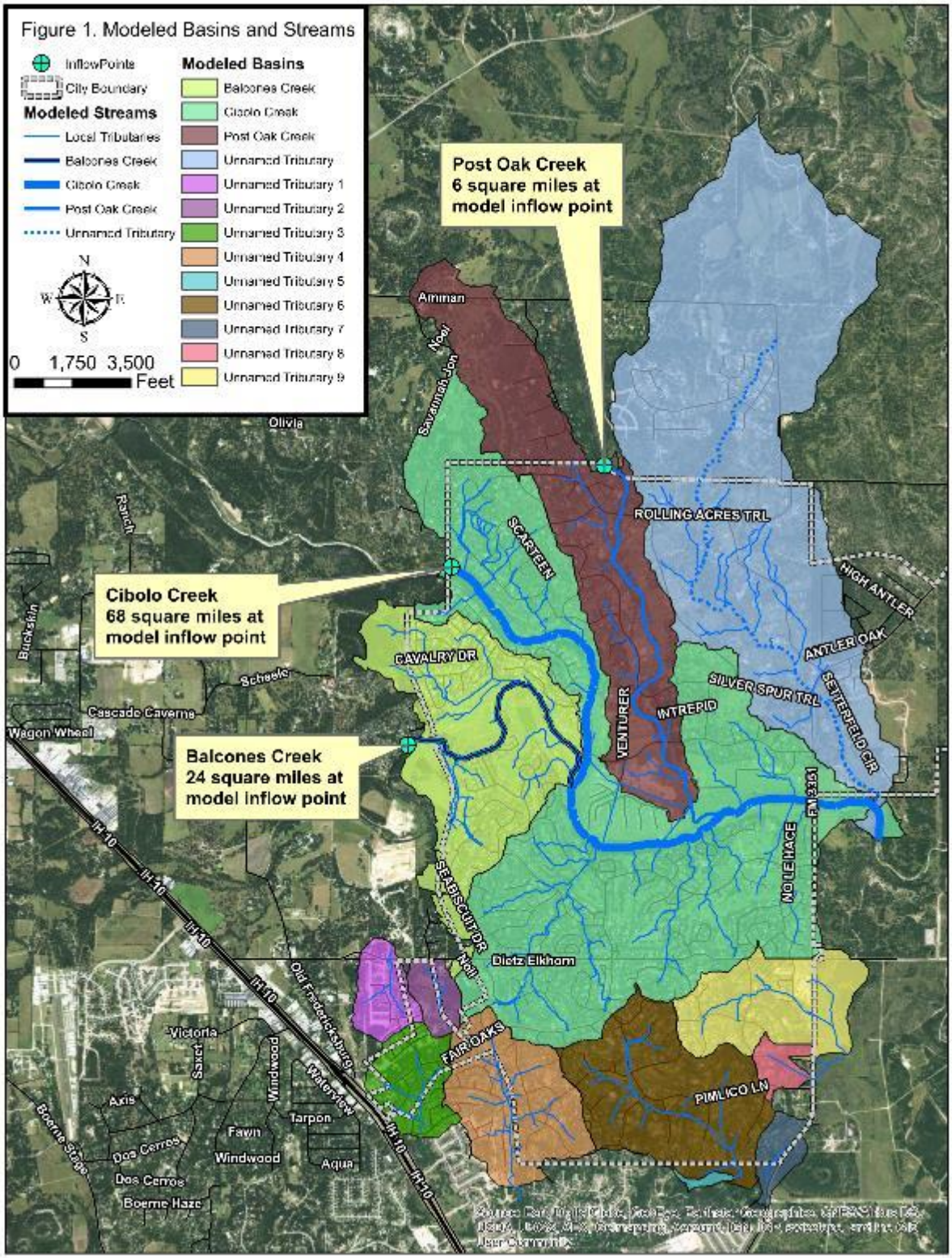


Figure 1 Modeled Subcatchments

Subcatchment Routing - Area, Slope, and Width

Runoff routing is calculated in SWMM by assuming a theoretical, rectangular shape for each subcatchment, where area is equal the acreage calculated using ArcGIS based on the subcatchment delineation. Each rectangular subcatchment is assigned a constant width to fully define its shape and the subcatchment is set to a constant slope. Flow across the subcatchment is assumed to be uniform and is calculated as nonlinear reservoir runoff according to the following equation:

$$Q = \frac{1.49}{n} W \times d^{5/3} \times s^{1/2}$$

where:

Q = discharge, in cubic feet per second

n = Manning's roughness coefficient

W = subcatchment width, in feet

d = depth of flow, in feet

s = subcatchment slope, in feet per feet

For the Fair Oaks Ranch model, subcatchment areas and widths were calculated by the PCSWMM "Subcatchment Delineation" tool. These flow paths represented the distance stormwater runoff travels to a subcatchment outlet and were determined based on the DEM and the subcatchment boundaries. Subcatchment slopes were also calculated by the PCSWMM "Subcatchment Delineation" tool.

The remaining input, flow depth, represents the depth of runoff accumulated for a given model time step. These depths were calculated by subtracting losses from rainfall, and losses were calculated as soil infiltration, as described in the following section.

Gross Impervious Area and Directly Connected Impervious Area (DCIA)

Until recently, SWMM accounted for impervious area within a subcatchment as directly connected impervious area (DCIA). DCIA is defined as the impervious area that drains directly to the storm conveyance system without encountering pervious area. An example of DCIA is an asphalt parking lot that drains to a storm sewer collection point, such as an area inlet.

More recent versions of SWMM allow for input of gross impervious area, a percentage of which can be routed through pervious area. An example of where this approach would be useful is a residential structure where half of the house is served by downspouts which drain to a turfed grass lawn, and the other half is served by downspouts which drain to the driveway. This situation would be input to SWMM by routing 50% of the structure's impervious area to pervious, while the other 50% would be accounted for as DCIA.

Gross impervious area was calculated based on the 2006 National Land Cover Database (NLCD). The NLCD impervious area raster product was inspected in ArcGIS against ESRI aerial photography obtained in 2016 to refine any areas which were not well-represented in the raw NLCD raster. The modified raster was then used to calculate gross impervious area for each subcatchment using the "Zonal Statistics" tool in ArcGIS.

DCIA was then calculated based on the road centerline shapefile provided by the City. This was done because the vast majority of the City is residential and DCIA in residential areas is primarily comprised of streets and driveways. The roads centerline was first buffered 20-feet away from the centerline to produce a 40-foot wide coverage, and the area of the roads centerline within each subcatchment was increased by 20% to account for driveways and other minor DCIAs and then divided by the total area of the subcatchment to derive a DCIA percentage.

For the majority of subcatchments, the DCIA percentage calculated was higher than the gross impervious area percentage. Where this was not the case, the gross impervious area percentage was input and the difference between DCIA percentage and gross impervious area was routed to pervious.

Soil Infiltration and Soils

The Modified Green Ampt infiltration model was used to determine the rainfall that does not become runoff, through infiltration to the soil and storage. The excess water volume that does become runoff was routed as overland flow before becoming concentrated in one the four creeks in the city. The Modified Green-Ampt model requires the following input parameters:

- Suction Head (inches)
- Conductivity (inches per hour)
- Initial Deficit (percent)

The NRCS soil survey identified fourteen soil types within the hydrologic boundary of the modeled area, as summarized in **Figure 2** for the NRCS soil survey over the modeled area.

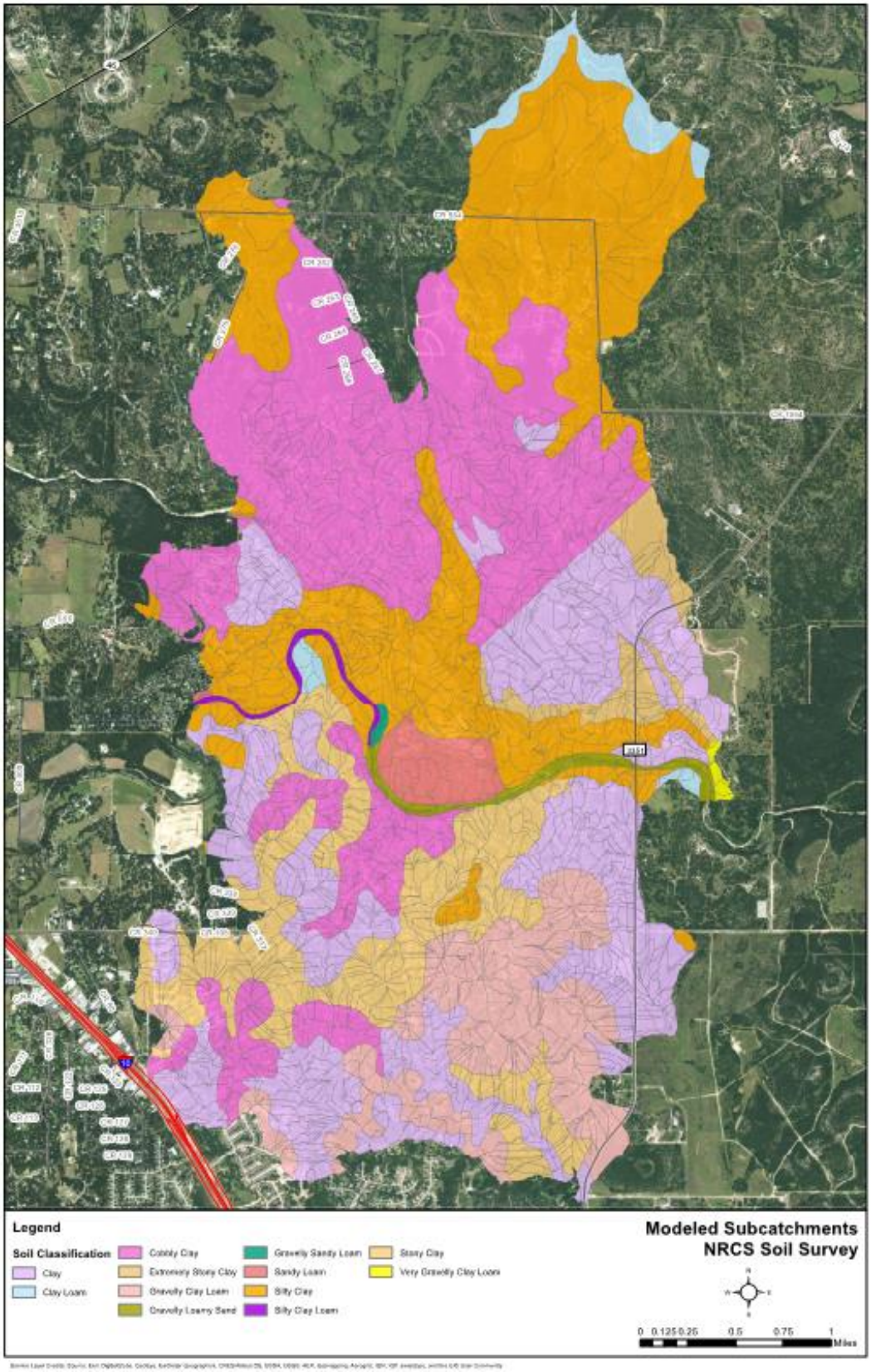


Figure 2 USDA Soil Classifications

Green-Ampt infiltration parameters for each of these soil classes were obtained from the technical paper "Green-Ampt Infiltration Parameters from Soils Data," as summarized in **Table 3** (Rawls, et. al. 1983).

Approximately 0.5 acres within the study area did not have textures assigned by the USDA survey, and these were classified as pits/quarries, and these areas were assumed to be stony clay. In addition, where gravelly or cobbly soils were indicated, the minimum of the wetting front soil suction head listed in Rawls, et. al. (1983) were used.

Table 3 Green-Ampt Infiltration Parameters for Soil Classes within Modeled Area

Soil Texture Class	Wetting Front Soil Suction Head, inches	Hydraulic Conductivity, inches per hour	Initial Deficit, percent
Clay	12.6	0.01	0.21
Clay Loam	8.27	0.04	0.277
Cobbly Clay	2.52	0.01	0.21
Extremely Stony Clay	2.52	0.01	0.21
Gravelly Clay Loam	1.89	0.04	0.277
Gravelly Loam	0.52	0.13	0.347
Gravelly Loamy Sand	0.53	1.18	0.39
Gravelly Sandy Loam	1.05	0.43	0.368
N/A	2.52	0.01	0.21
Sandy Loam	4.33	0.43	0.368
Silty Clay	11.42	0.02	0.228
Silty Clay Loam	10.63	0.04	0.261
Stony Clay	2.52	0.01	0.21
Very Cobbly Clay	2.52	0.01	0.21
Very Gravelly Clay Loam	1.89	0.04	0.277

For each subcatchment, the values for wetting front soil suction head, hydraulic conductivity, and initial deficit were calculated based on weighted area of each of the different soil classes present within the subcatchment, and these inputs are listed in **Attachment 1**. The soil textures are widely dispersed throughout the study area. The upland areas are primarily rocky and clayey soils while lowlands and riparian areas tend to have more silt, sand and loam.

Rainfall

The rainfall events simulated were 24-hour, Type II SCS synthetic hydrographs and included the 2-, 10-, 25-, 50- and 100-year rainfall events. The depths (intensities) of these rainfall events were taken from the City of San Antonio Stormwater Design Criteria Manual for the different storm frequencies in the model. **Table 4** summarizes the rainfall depth from the Manual for each storm frequency that was modeled.

Table 4 Rainfall from City of San Antonio Stormwater Design Criteria Manual

Storm Frequency/Event	Rainfall (in)
2-year	4.0
5-year	5.4
10-year	6.0
25-year	7.3
50-year	9.0
100-year	10.0

SWMM Hydraulics

The primary conveyance mechanisms in Fair Oaks Ranch include a combination of overland sheet flow, curb and gutter, open channels, and culverts.

Model Parameters

Channel flow routing was completed using the dynamic wave method which uses continuity and the diffusion form of the momentum equation to calculate hydraulic grade line elevations. Required inputs for this method include conduit length, conduit slope, conduit geometry, conduit Manning's n, a cross section, and left and right overbank Manning's n values. The dynamic wave method is flexible, with the ability to account for channel storage, backwater, entrance/exit losses, flow reversal, and pressurized flow.

Conveyance System Structure

The hydraulic component of the model was created to represent the primary stormwater conveyance system in the City. The PCSWMM model inputs for the conveyance system include junctions, outfalls, conduits, weirs, and storage areas. Inputs for the junctions were developed based on the DEM. In cases where there was no information available, CDM Smith used other tools

and engineering judgement to create input parameters. **Attachment 1** includes tables of all the conveyance system elements in the model and their input parameters.

Junctions and Outfalls

Open channel junctions were input where significant changes in channel geometry occurred, at the intersection of conduits, and at the upstream and downstream endpoints of culverts. Rim elevations were estimated based on the ground surface DEM.

Outfall junctions were placed at the most downstream node for each continuously connected conduit system. Outfall elevations and invert elevations were added by CDM Smith based on the ground surface DEM. All outfalls were assumed free with no tailwater elevation.

All inputs for outfalls are listed in **Attachment 1**.

Conduits

There were five different conduit shapes included in the model; arch pipe, circular pipe, horizontal ellipse pipe, irregular conduit, rectangular closed pipe, and rectangular open (at the Ralph Fair Road crossing). Dimensions for these pipes were either available from city GIS data, were measured during field visits, or were estimated using aerial photography. Irregular conduits represent open channels and each has a manually entered cross section derived from the SARA ground elevation associated with them. The closed conduits each represent culverts, the majority of which are located at road crossings.

Summaries of the modeled conduit shapes and lengths are described in **Table 5**. All modeled conduits are shown in plan view in **Attachment 1**. Also included in **Attachment 1** are tables of conduit inputs and model results.

Table 5 Conduit Type and Length

Conduit Type	Length (ft)
Arch Pipe	842
Circular Pipe	13,564
Ellipse Pipe	467
Rectangular Closed Pipe	1,235
Irregular (Open Channel)	33,7090

Inputs for conduits include inlet and outlet junctions, inlet and outlet offsets, shape, dimensions, number of barrels, and Manning's n roughness coefficients. Closed conduits were assigned a roughness of 0.012 – 0.022 depending on the pipe material, as shown in **Table 6**.

Table 6 Conduit Material and Roughness

Material	Roughness
Corrugated Metal Pipe	0.022
Reinforced Concrete	0.012
Open Channel; Open, earthen-bottom culverts	0.03-0.05

Note: There are bridges in the model that were entered as large culverts; the roughness was entered according to the channel lining.

There are over 100 crossings of the open channels in the City. Where there was no information about open channel crossings, the conduit geometry was approximated using the elevation grid to estimate height and aerial imagery data to estimate width. Information that was available for nearby crossings was also considered when estimating geometry of open channel crossings.

Storage Areas and Weirs

A total of 15 storage area junctions were added to the model where ponds existed and where road embankments acted as impoundments for stormwater. Flow from these storage areas are routed downstream in the system either by culverts, dam spillways, or road overtopping, and these overflow elements were modeled as conduits or weirs, as appropriate.

HEC-RAS Hydraulics

In addition to the SWMM model, HEC-RAS was used to calculate water surfaces at five low water crossings which corresponded to all four of the "A" sites as described in the memorandum "Summary of Master Drainage Plan Activities" and one "B" site at the low water crossing at Amman Road. These sites are shown in **Figure 3**. HEC-RAS was used because it provides a higher level of detail for these crossings, and this higher level of detail was used to inform more detailed conceptual design at the "A" sites. The remaining site, Amman Road, was a "B" site but was also modeled using HEC-RAS for consistency with the other low water crossings.

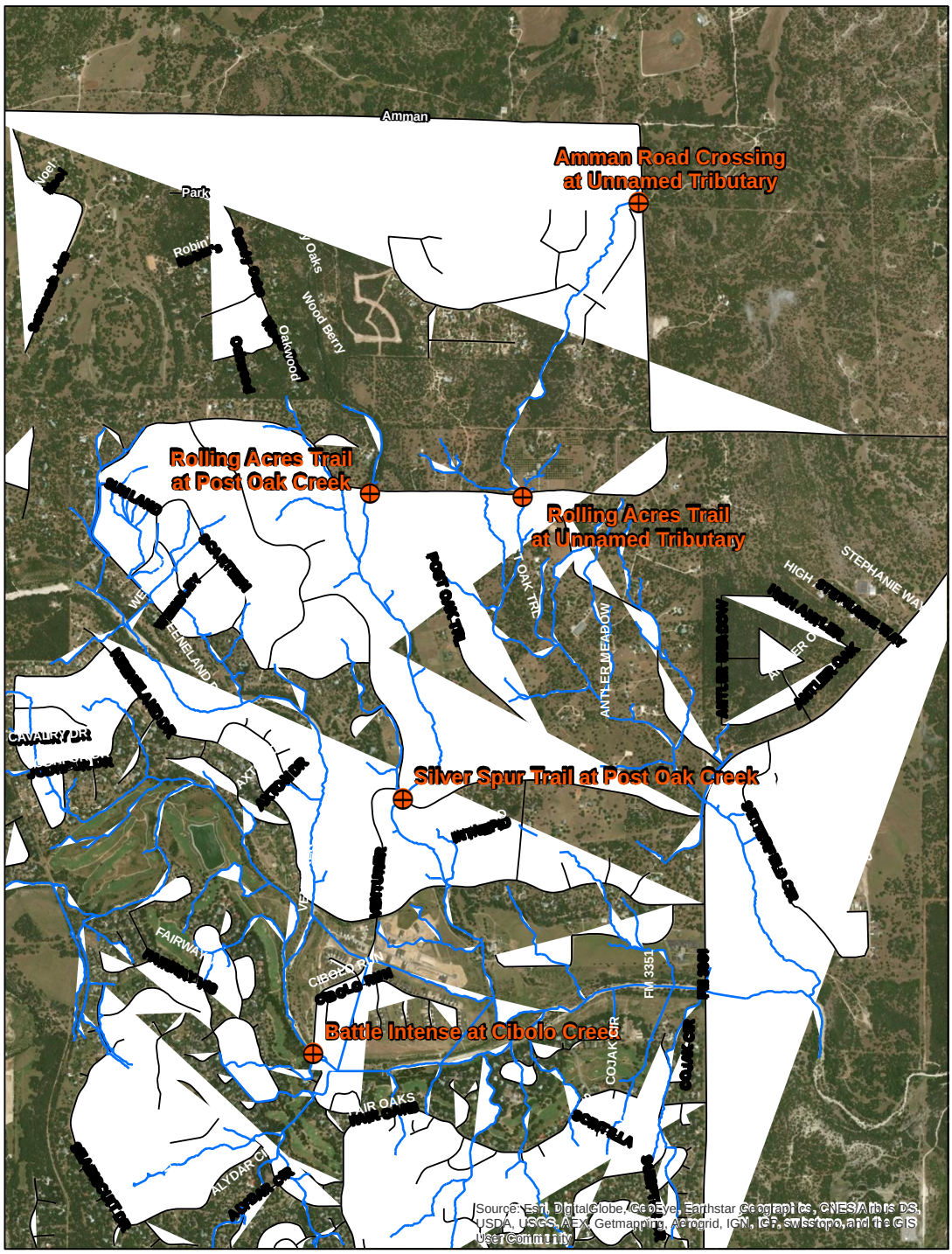


Figure 3 Low Water Crossings Modeled in HEC-RAS

All HEC-RAS models, except for the Battle Intense at Cibolo Creek model, were developed based on the ground surface DEM. The model used for Battle Intense at Cibolo Creek was the effective FEMA model, which was truncated for this effort. The cross-section layout of each model is shown in **Figures 4** through **8**.

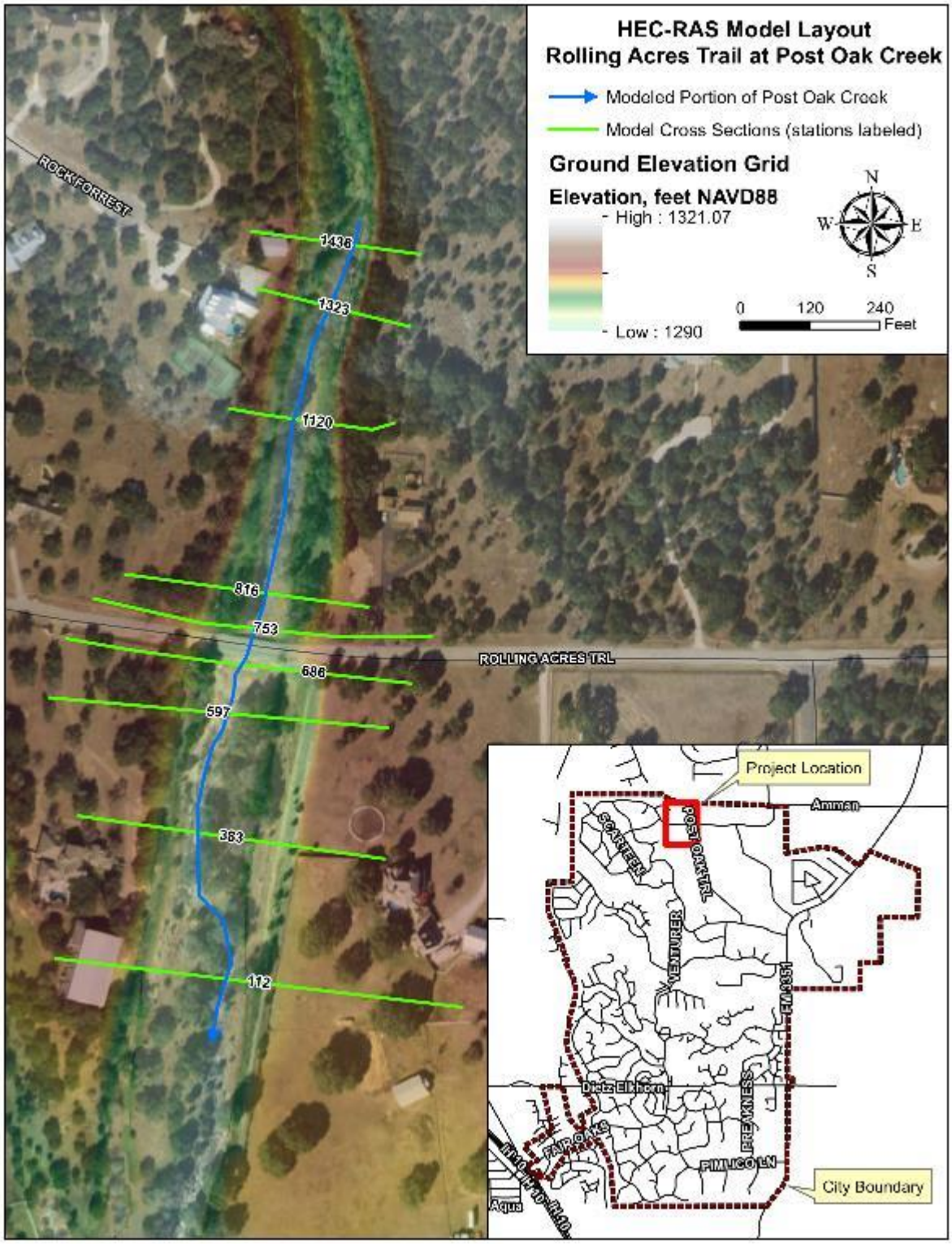


Figure 4 Rolling Acres Trail at Post Oak Creek – HEC-RAS Cross Section Layout

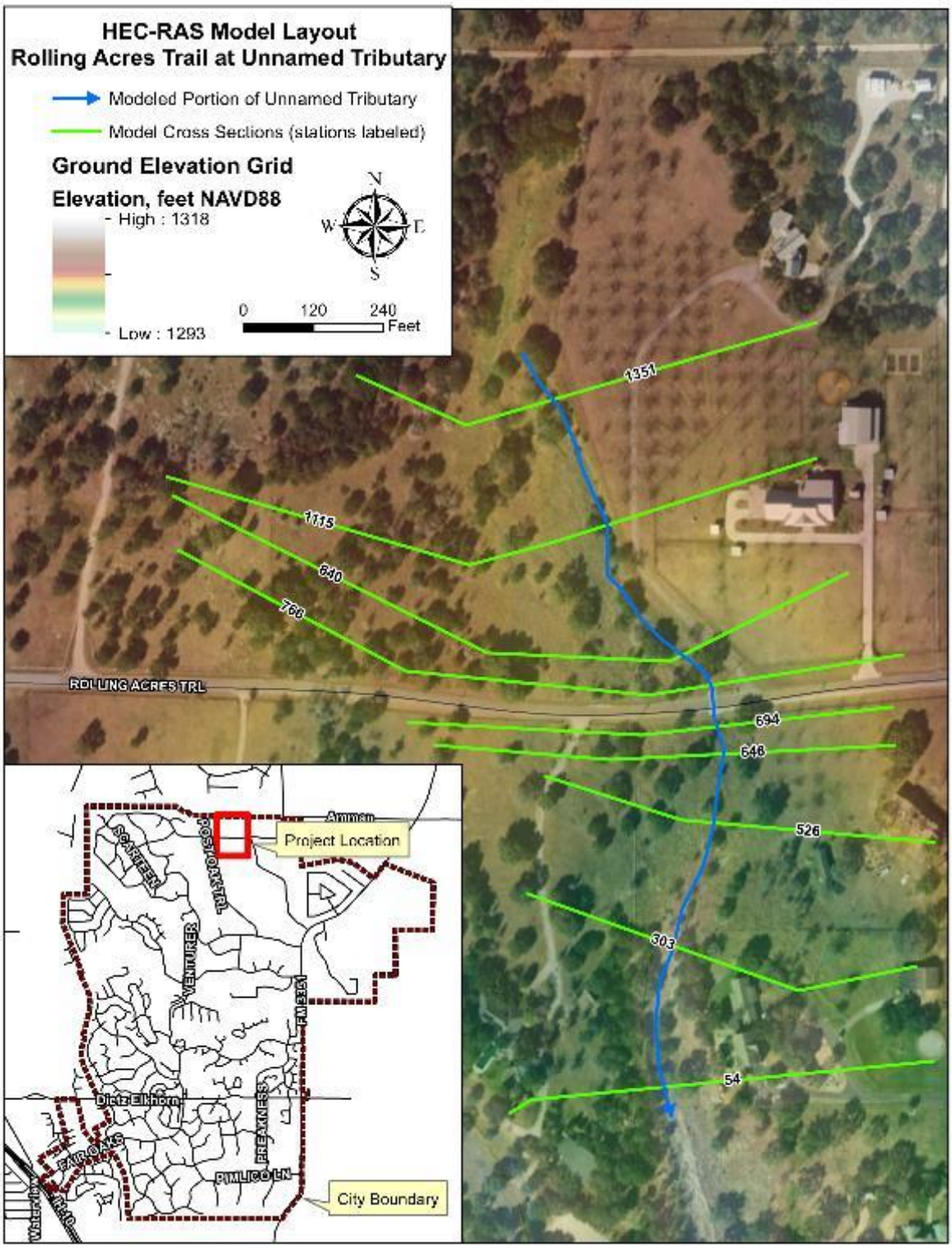


Figure 5 Rolling Acres Trail at Unnamed Tributary – HEC-RAS Cross Section Layout

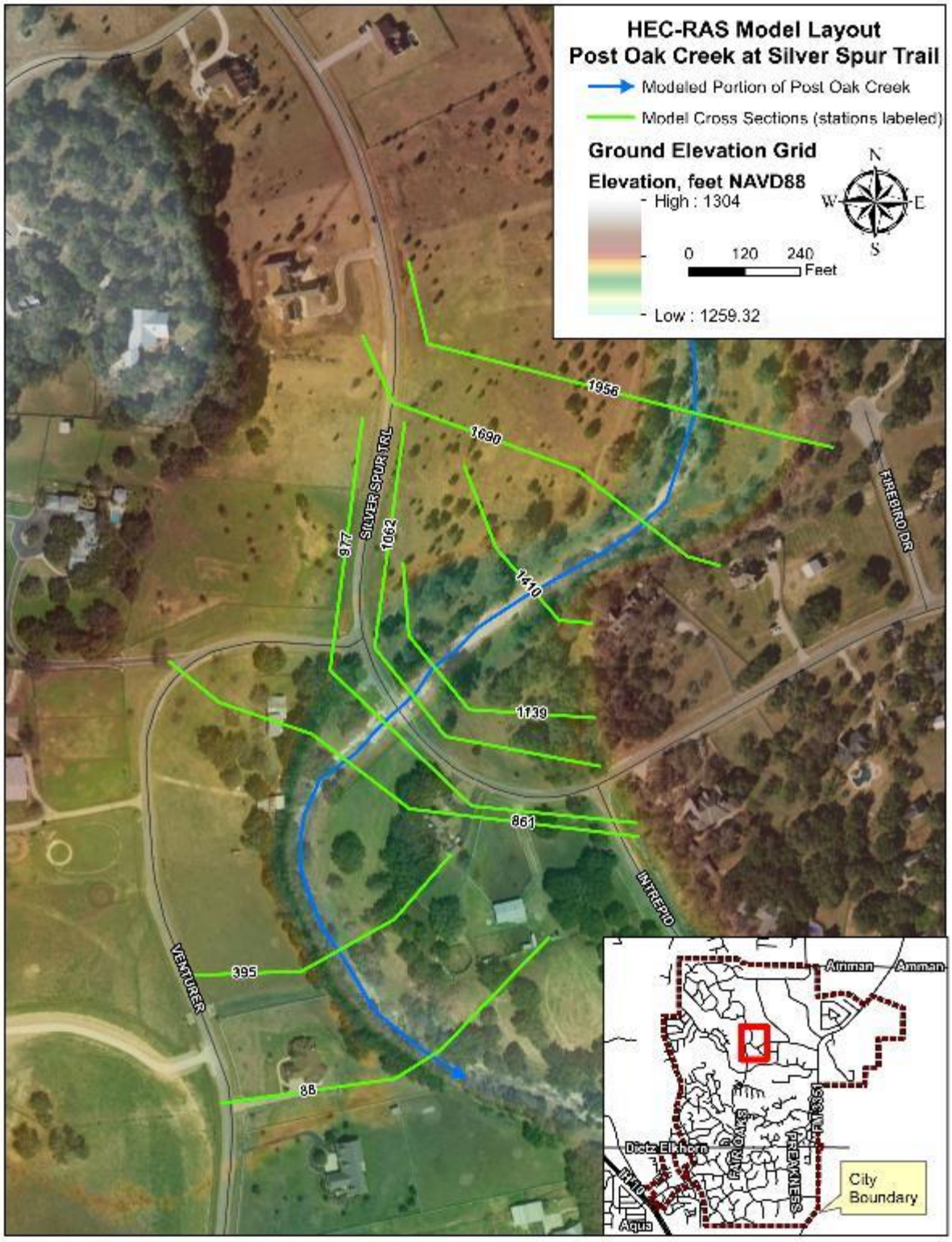


Figure 6 Silver Spur Trail at Post Oak Creek – HEC-RAS Cross Section Layout

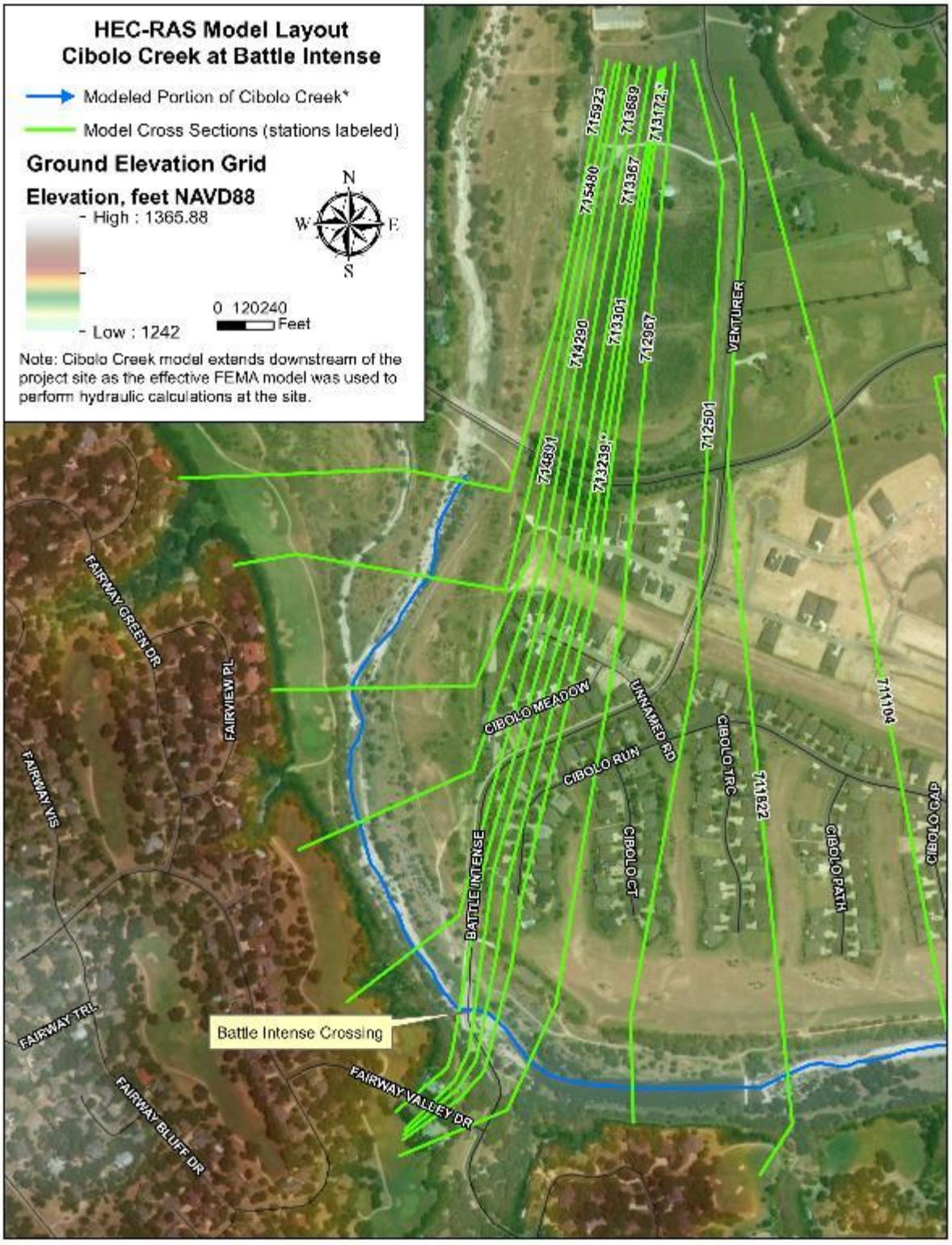


Figure 7 Battle Intense at Cibolo Creek – HEC-RAS Cross Section Layout

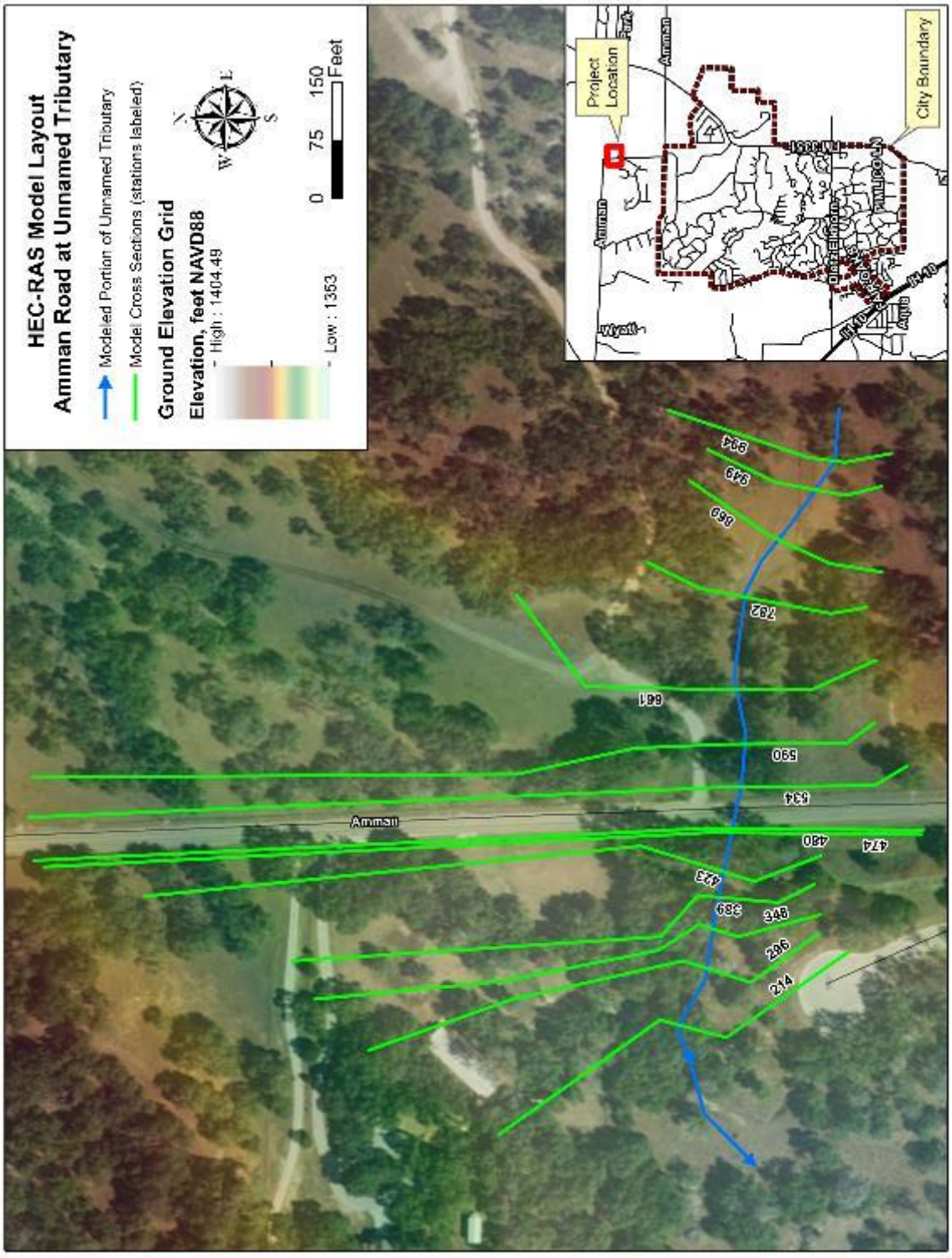


Figure 8 Amman Road at Unnamed Tributary – HEC-RAS Cross Section Layout

The flows for each model were input from the SWMM model except at Battle Intense, where FEMA flows were input. Flows input to the models are listed in **Table 7**.

Table 7 Flows Input to HEC-RAS Models

Site	Peak Flow at Crossing Input to HEC-RAS					
	2-year	5-year	10-year	25-year	50-year	100-year
Rolling Acres Trail at Post Oak Creek	399.9	2,309.4	4,038.7	5,842.7	7,100.8	8,296.5
Rolling Acres Trail at Unnamed Tributary	28.7	79.7	170.4	425.3	876.4	1,175.9
Silver Spur Trail at Post Oak Creek	405.2	2,433	4,167.2	6,109	7,412.7	8,623.3
Battle Intense at Cibolo Creek	2,091	16,247	31,320	-*	70,638	108,677
Amman Road Crossing at Unnamed Tributary	81.9	261.6	362.4	588.5	935.4	1,147.3

* - Cibolo Creek flows were taken from the effective FEMA model, and a 25-year flow was not available

Manning's 'n' values were assigned based on land use as determined using aerial photography. Downstream boundary conditions were input as normal depth for all model except Battle Intense at Cibolo Creek, which requires an estimate of the slope of the energy grade line. This slope was assumed to be equivalent to the slope of the main channel and was measured from the ground surface DEM. For Battle Intense at Cibolo Creek, known water surfaces were used as input to the effective FEMA model.

Existing conditions were developed based on available information at the crossings, including the ground surface DEM, information on the existing culverts, and data gathered during site visits. Proposed conditions modeling included development of two alternatives to increase conveyance and reduce the risk that crossings are inundated at the four "A" sites (the Rolling Acres Trail, Silver Spur, and Battle Intense Crossings) and one alternative at the "B" site (Amman Road Crossing). These improvements were shown to provide between a 2- and 25-year level of service at each crossing, where level of service is defined as the largest event which can be safely conveyed beneath the roadway without overtopping the roadway.

Project alternatives evaluated are summarized in **Table 8**.

Table 8 Existing Conditions and Alternatives Developed at Low Water Crossings

Site	Existing Drainage Infrastructure at Crossing	Alternative 1	Alternative 2
Rolling Acres Trail at Post Oak Creek	4 – 48-inch corrugated metal pipe (CMP) culverts	8 – 48-inch CMP culverts	Slab Bridge
Rolling Acres Trail at Unnamed Tributary	6 – 15-inch CMP culverts	12 – 15-inch CMP culverts	Slab Bridge
Silver Spur Trail at Post Oak Creek	4 – 94-inch by 63-inch arch CMP culverts	Slab Bridge	4 – 94-inch by 63-inch arch CMP culverts with 2 – 96-inch by 63-inch arch CMP culverts

Site	Existing Drainage Infrastructure at Crossing	Alternative 1	Alternative 2
Battle Intense at Cibolo Creek	4 – 60-inch by 36-inch reinforced concrete box culverts	Slab Bridge with a 2-year level of service	Slab Bridge with a 5-year level of service
Amman Road Crossing at Unnamed Tributary	2 – 18-inch CMP culvert	Slab Bridge	-*

* The Amman Road crossing was a "B" site, and only one alternative was developed for "B" sites

Existing conditions and proposed conditions results at these crossings are illustrated in cross section view in **Attachment 1**.

Conclusions and Recommendations

The stormwater model created for Fair Oaks Ranch provides a high-level, comprehensive overview of the performance of the City's stormwater drainage system. For this study, the modeling was used to provide information to develop stormwater next steps for capital improvement projects to address existing stormwater issues, as described in the memorandum "Summary of Master Drainage Plan Activities".

It is recommended that the City continue to maintain the models that were created, using them as a tool to:

- Help develop conceptual design for "B" and "C" sites, which were analyzed at a high level to provide next steps. These next steps should be refined, and the modeling can be used as a tool to develop conceptual project design efficiently.
- Regulate development by analyzing the impacts of proposed improvements. The impacts of proposed changes to impervious area and/or to watercourses can be quickly estimated by changing these parameters in the SWMM model.
- Support development of stormwater policy. For instance, the City-wide SWMM model could be used to evaluate the impacts of policy proposal, or consequences of not enacting policy proposals.

Fair Oaks Ranch SWMM Model Elements North Map

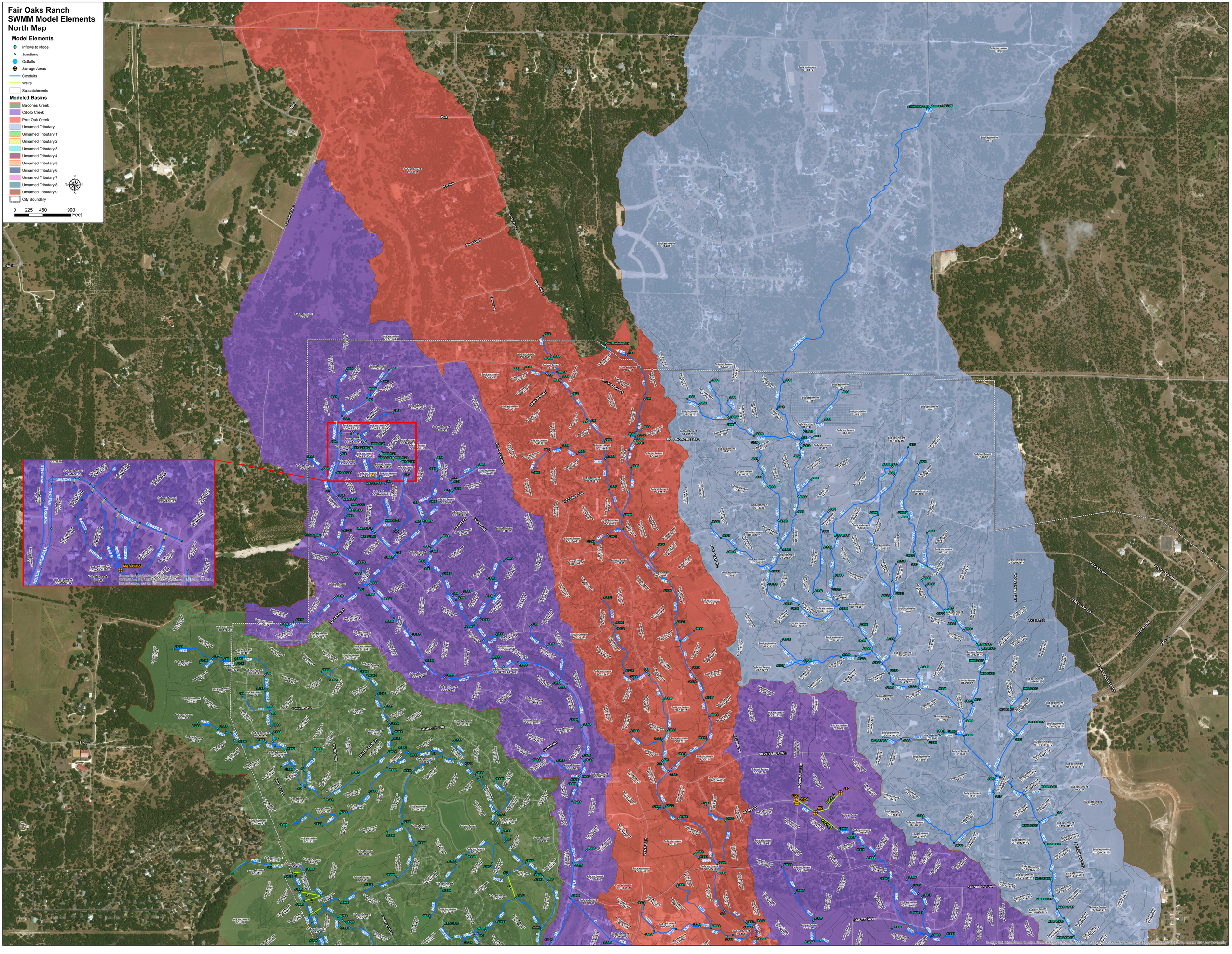
Model Elements

- Inflows to Model
- Junctions
- Outfalls
- Storage Areas
- Conduits
- Weirs
- Subcatchments

Modeled Basins

- Balcones Creek
- Cibolo Creek
- Post Oak Creek
- Unnamed Tributary
- Unnamed Tributary 1
- Unnamed Tributary 2
- Unnamed Tributary 3
- Unnamed Tributary 4
- Unnamed Tributary 5
- Unnamed Tributary 6
- Unnamed Tributary 7
- Unnamed Tributary 8
- Unnamed Tributary 9
- City Boundary

0 225 450 900 Feet



Fair Oaks Ranch SWMM Model Elements North Map

Model Elements

- Inflows to Model
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- Balcones Creek
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- Unnamed Tributary 7
- Unnamed Tributary 8
- Unnamed Tributary 9
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0 225 450 900 Feet

N W E S

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

SWMM Inputs

SWMM Model Inputs

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
UT6-124	2082793.16	13810779.45	WDT	SCS_24h_Type_II_Xyr*	MAS124	7.56	413.769	795.888	6.558	4.676	0.01	0.1	0.05	0.05	25	PERVIOUS	0.843	8.718	0.021	23.445
PO-763_1	2078552.58	13831179.22	WDT	SCS_24h_Type_II_Xyr*	J763	342.5	2325.087	6416.663	2.318	3.44	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.3	0.014	21.8
UT-2861	2082867.862	13829995.33	WDT	SCS_24h_Type_II_Xyr*	J2861	128.98	1678.109	3348.036	2.05	4.03	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.1	0.012	21.3
CC-MASJ1365_1	2077954.203	13826611.01	WDT	SCS_24h_Type_II_Xyr*	MASJ1365	1.67	272.264	267.186	3.014	4.632	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-805_1	2082688.328	13828076.61	WDT	SCS_24h_Type_II_Xyr*	J805	5.49	281.099	850.748	0.838	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J779_1	2078540.632	13828277.26	WDT	SCS_24h_Type_II_Xyr*	J779	15.59	430.36	1577.982	4.833	4.34	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-725	2081876.916	13828312.48	WDT	SCS_24h_Type_II_Xyr*	J725	5.68	1127.331	219.475	6.707	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J801	2077678.392	13828429	WDT	SCS_24h_Type_II_Xyr*	J801	6.3	438.355	626.041	5.354	1.55	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J867_1	2077741.135	13827964.77	WDT	SCS_24h_Type_II_Xyr*	J867	5.07	325.696	678.084	4.883	7.23	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-839	2082484.133	13827759.65	WDT	SCS_24h_Type_II_Xyr*	J839	12	463.108	1128.722	6.561	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-844_1	2083676.639	13828069.81	WDT	SCS_24h_Type_II_Xyr*	J844	2.77	182.799	660.076	2.274	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-763_2	2080535.512	13828262.02	WDT	SCS_24h_Type_II_Xyr*	J763	7.37	304.778	1053.348	4.937	5.59	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J867_2	2077420.048	13828063.83	WDT	SCS_24h_Type_II_Xyr*	J867	4.79	482.625	432.328	4.973	0.56	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-2820_1	2084102.002	13827596.5	WDT	SCS_24h_Type_II_Xyr*	J2820	4.83	192.221	1094.546	1.614	0.49	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-844_2	2083828.763	13827966.38	WDT	SCS_24h_Type_II_Xyr*	J844	4.09	173.423	1027.317	2.145	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-835	2081185.782	13827868.58	WDT	SCS_24h_Type_II_Xyr*	J835	7.74	899.359	374.883	3.488	6.82	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-837	2080911.603	13828068.44	WDT	SCS_24h_Type_II_Xyr*	J837	2.68	496.252	235.245	5.462	13.07	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-805_2	2083000.543	13827808.55	WDT	SCS_24h_Type_II_Xyr*	J805	3.32	179.869	804.025	0.714	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J779_2	2078273.745	13828017.84	WDT	SCS_24h_Type_II_Xyr*	J779	5.29	472.252	487.944	5.231	10.66	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-844_3	2083495.231	13827614.83	WDT	SCS_24h_Type_II_Xyr*	J844	6.95	594.701	509.066	1.545	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-44_1	2082135.574	13827947.04	WDT	SCS_24h_Type_II_Xyr*	J44	2.84	197.91	625.084	12.779	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-816_1	2084401.773	13827722.56	WDT	SCS_24h_Type_II_Xyr*	J816	5.69	319.8	775.036	2.187	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3	0.01	21
CC-J908_1	2079637.703	13827413.97	WDT	SCS_24h_Type_II_Xyr*	J908	12.89	279.84	2006.462	6.023	13.11	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-830_1	2080424.195	13827936.14	WDT	SCS_24h_Type_II_Xyr*	J830	3.48	398.408	380.486	4.776	14.14	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-830_2	2079926.114	13827838.59	WDT	SCS_24h_Type_II_Xyr*	J830	7.25	466.247	677.345	5.374	4.91	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-856	2081838.939	13827447.82	WDT	SCS_24h_Type_II_Xyr*	J856	7.82	371.566	916.766	1.812	8.16	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.6	0.01	21
UT-988_1	2087691.977	13826635.66	WDT	SCS_24h_Type_II_Xyr*	J988	52.65	1190.633	1926.231	3.077	2.96	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.3	0.018	22.4
UT-877	2086896.83	13827254.14	WDT	SCS_24h_Type_II_Xyr*	J877	16.9	904.8	813.621	5.251	8.87	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.7	0.017	22.2
UT-860	2085066.927	13827534.93	WDT	SCS_24h_Type_II_Xyr*	J860	7.28	374.884	845.906	1.664	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.9	0.01	21
PO-44_2	2082074.276	13827753.04	WDT	SCS_24h_Type_II_Xyr*	J44	4.13	258.849	695.011	4.897	5.49	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-832	2085518.375	13827641.24	WDT	SCS_24h_Type_II_Xyr*	J832	4.29	338.355	552.297	2.199	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.2	0.01	21
CC-J75	2077577.908	13826781.51	WDT	SCS_24h_Type_II_Xyr*	J75	1.1	180.287	265.776	1.481	6.88	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-MASJ888	2077750.687	13826656.46	WDT	SCS_24h_Type_II_Xyr*	MASJ888	1.74	314.652	240.883	1.243	6.88	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J69	2077328.132	13827286	WDT	SCS_24h_Type_II_Xyr*	J69	5.91	279.016	922.67	1.391	6.88	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-35_1	2080462.921	13827692.27	WDT	SCS_24h_Type_II_Xyr*	J35	2.6	255.033	444.084	4.743	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J81	2077131.014	13826689.96	WDT	SCS_24h_Type_II_Xyr*	J81	13.35	565.491	1028.356	2.077	2.75	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5	0.013	21.5
CC-MASJ122	2077694.349	13826100.16	WDT	SCS_24h_Type_II_Xyr*	MASJ122	6.48	469.221	601.569	0.823	2.75	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5	0.013	21.5
CC-J935	2076886.259	13828866.68	WDT	SCS_24h_Type_II_Xyr*	J935	144.21	1700.522	3694.035	2.173	2.75	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5	0.013	21.5
CC-J1012	2077482.22	13825782	WDT	SCS_24h_Type_II_Xyr*	J1012	5.86	329.057	775.737	3.509	2.75	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5	0.013	21.5
CC-J875_1	2078641.931	13827552.6	WDT	SCS_24h_Type_II_Xyr*	J875	3.57	228.219	681.403	8.01	1.46	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-2820_2	2083980.417	13827318.73	WDT	SCS_24h_Type_II_Xyr*	J2820	3.19	230.258	603.481	1.329	1.57	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-37	2081360.386	13827385.13	WDT	SCS_24h_Type_II_Xyr*	J37	8.1	1001.89	352.17	2.912	13.95	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J879_1	2079041.272	13827296.63	WDT	SCS_24h_Type_II_Xyr*	J879	6.41	332.588	839.536	4.719	2.15	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J882	2077723.606	13827538.31	WDT	SCS_24h_Type_II_Xyr*	J882	4.56	292.431	679.249	3.098	9.75	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J875_2	2078717.988	13827411.28	WDT	SCS_24h_Type_II_Xyr*	J875	1.93	215.145	390.763	6.844	2.73	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-848	2084542.263	13827237.79	WDT	SCS_24h_Type_II_Xyr*	J848	5.94	610.851	423.583	1.454	0.04	0.01	0.1	0.05	0.05	25	PERVIOUS	0.038	3.2	0.01	21
UT-873	2085775.772	13827313.88	WDT	SCS_24h_Type_II_Xyr*	J873	11.05	552.408	871.345	3.231	0.02	0.01	0.1	0.05	0.05	25	PERVIOUS	0.021	11.5	0.019	22.6
PO-35_2	2080364.345	13827433.85	WDT	SCS_24h_Type_II_Xyr*	J35	7.8	261.092	1301.334	7.908	5.78	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-16042417_1	2085975.194	13826215.59	WDT	SCS_24h_Type_II_Xyr*	M16042417	10.58	168.087	2741.823	3.882	0.86	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.6	0.013	21.6

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
PO-3007	2082197.51	13827264.19	WDT	SCS_24h_Type_II_Xyr*	J3007	3.02	323.446	406.718	9.126	0.13	0.01	0.1	0.05	0.05	25	PERVIOUS	0.119	2.5	0.01	21
CC-MASJ130	2078065.658	13827268.2	WDT	SCS_24h_Type_II_Xyr*	MASJ130	4.12	342.605	523.831	2.287	11.94	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-2857_1	2083220.679	13827333.36	WDT	SCS_24h_Type_II_Xyr*	J2857	4.62	577.314	348.592	0.979	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J879_2	2079183.989	13827069.41	WDT	SCS_24h_Type_II_Xyr*	J879	3.03	216.792	608.818	6.472	6.13	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J879_3	2079470.295	13826585.46	WDT	SCS_24h_Type_II_Xyr*	J879	5.68	378.34	653.964	4.683	7.62	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J879_4	2079383.521	13827068.35	WDT	SCS_24h_Type_II_Xyr*	J879	3.8	308.798	536.04	4.773	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-15042417	2086437.207	13826893.96	WDT	SCS_24h_Type_II_Xyr*	M15042417	2.5	225.507	482.912	4.774	4.63	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.6	0.01	21
UT-2857_2	2083157.962	13827006.41	WDT	SCS_24h_Type_II_Xyr*	J2857	6.98	457.756	664.216	0.87	11.65	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-2748	2084979.212	13827151.58	WDT	SCS_24h_Type_II_Xyr*	J2748	1.34	210.314	277.539	1.393	0.17	0.01	0.1	0.05	0.05	25	PERVIOUS	0.167	12.2	0.01	21
PO-870	2080638.005	13827195.14	WDT	SCS_24h_Type_II_Xyr*	J870	6.66	324.639	893.638	7.161	0.13	0.01	0.1	0.05	0.05	25	PERVIOUS	0.133	2.5	0.01	21
UT-921_1	2087021.191	13826855.29	WDT	SCS_24h_Type_II_Xyr*	J921	6.06	228.997	1152.738	5.375	14.35	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.7	0.012	21.4
PO-3044	2082590.339	13827039.12	WDT	SCS_24h_Type_II_Xyr*	J3044	2.96	414.173	311.313	3.523	6.04	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.7	0.01	21
CC-MASJ133	2077728.364	13827132.63	WDT	SCS_24h_Type_II_Xyr*	MASJ133	1.27	156.373	353.777	2.146	14.03	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-925_1	2080933.638	13826940.46	WDT	SCS_24h_Type_II_Xyr*	J925	3.67	314.759	507.897	7.686	4.9	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-MASJ135	2078247.348	13826474.23	WDT	SCS_24h_Type_II_Xyr*	MASJ135	1.47	255.573	250.548	4.537	5.82	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-MASJ126	2078595.286	13826860.19	WDT	SCS_24h_Type_II_Xyr*	MASJ126	2.39	225.274	462.141	4.409	5.82	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-MASJ129	2078242.998	13826965.75	WDT	SCS_24h_Type_II_Xyr*	MASJ129	2.48	253.167	426.71	2.64	4.78	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-900	2081536.462	13827031.23	WDT	SCS_24h_Type_II_Xyr*	J900	4.46	247.086	786.275	3.466	17.94	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-MASJ117	2078724.999	13826779.7	WDT	SCS_24h_Type_II_Xyr*	MASJ117	1.92	172.396	485.134	3.768	16	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J40	2078268.72	13826333.37	WDT	SCS_24h_Type_II_Xyr*	J40	1.61	151.919	461.638	4.056	16	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-137	2084055.729	13826688.45	WDT	SCS_24h_Type_II_Xyr*	J137	5.75	364.233	687.664	1.463	8.28	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-896	2083679.273	13826996	WDT	SCS_24h_Type_II_Xyr*	J896	3.43	275.211	542.895	1.242	8.92	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-910	2085454.618	13826967.69	WDT	SCS_24h_Type_II_Xyr*	J910	7.82	410.709	829.393	3.695	12.18	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.9	0.014	21.6
PO-925_2	2080567.113	13826857.13	WDT	SCS_24h_Type_II_Xyr*	J925	2.52	242.889	451.94	4.296	11.76	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-2886_1	2081667.624	13826775.28	WDT	SCS_24h_Type_II_Xyr*	J2886	2.99	737.311	176.648	3.18	1.03	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-2842	2082092.257	13826667.22	WDT	SCS_24h_Type_II_Xyr*	J2842	4.05	417.835	422.219	6.796	6.64	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.9	0.018	22.5
UT-971_1	2085781.867	13826226.95	WDT	SCS_24h_Type_II_Xyr*	J971	6.14	218.678	1223.07	2.856	6.36	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-927	2085222.199	13826766.6	WDT	SCS_24h_Type_II_Xyr*	J927	4.85	234.13	902.345	2.394	15.56	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.2	0.012	21.3
PO-946	2082522.564	13826611.24	WDT	SCS_24h_Type_II_Xyr*	J946	7.8	544.225	624.315	3.592	5.03	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.7	0.015	21.9
UT-2724	2084758.751	13826319.74	WDT	SCS_24h_Type_II_Xyr*	J2724	7.79	508.989	666.679	3.241	2.78	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-964_1	2080206.724	13826735.93	WDT	SCS_24h_Type_II_Xyr*	J964	4.58	562.25	354.833	4.913	18.12	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-968_1	2085520.451	13826499.75	WDT	SCS_24h_Type_II_Xyr*	J968	6.12	344.766	773.241	3.161	7.31	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.5	0.011	21.2
UT-996	2085284.368	13826007.03	WDT	SCS_24h_Type_II_Xyr*	J996	8.54	341.751	1088.519	2.581	1.71	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-971_2	2085566.087	13825850.87	WDT	SCS_24h_Type_II_Xyr*	J971	4.72	181.416	1133.325	2.369	2.41	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-931	2080707.082	13826608.65	WDT	SCS_24h_Type_II_Xyr*	J931	3.01	295.703	443.403	4.149	10.19	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-950_1	2081324.615	13826507.33	WDT	SCS_24h_Type_II_Xyr*	J950	3.89	500.552	338.523	5.622	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-937	2083710.841	13826724.73	WDT	SCS_24h_Type_II_Xyr*	J937	5.03	260.316	841.695	1.421	6.62	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-921_2	2086922.512	13826392.2	WDT	SCS_24h_Type_II_Xyr*	J921	3.42	213.202	698.751	5.342	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-980	2084477.649	13826222.92	WDT	SCS_24h_Type_II_Xyr*	J980	5.65	218.536	1126.194	3.237	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-975_1	2082713.146	13826079.74	WDT	SCS_24h_Type_II_Xyr*	J975	11.77	521.814	982.536	1.262	0.02	0.01	0.1	0.05	0.05	25	PERVIOUS	0.019	4.9	0.013	21.5
CC-J955	2078816.852	13826307.99	WDT	SCS_24h_Type_II_Xyr*	J955	5.18	340.286	663.092	2.445	1.42	0.01	0.1	0.05	0.05	25	PERVIOUS	1.073	2.5	0.01	21
UT-1023_1	2083293.772	13826127.4	WDT	SCS_24h_Type_II_Xyr*	J1023	5.54	370.017	652.193	1.354	13.95	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-968_2	2085128.114	13826488.61	WDT	SCS_24h_Type_II_Xyr*	J968	2.79	291.779	416.522	1.699	0.74	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J879_5	2079152.819	13826345.53	WDT	SCS_24h_Type_II_Xyr*	J879	4.82	329.273	637.645	2.984	12.27	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-950_2	2081057.601	13826315.1	WDT	SCS_24h_Type_II_Xyr*	J950	5.3	430.591	536.165	9.253	0.18	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1023_2	2083081.803	13825988.23	WDT	SCS_24h_Type_II_Xyr*	J1023	5.86	338.317	754.504	1.337	7.97	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J908_2	2079834.794	13826593	WDT	SCS_24h_Type_II_Xyr*	J908	4.98	381.262	568.976	4.78	14.36	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-40042417	2088222.746	13824950.56	WDT	SCS_24h_Type_II_Xyr*	M40042417	42.05	807.236	2269.099	2.451	3.62	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.9	0.01	21.1
UT-973_1	2083897.872	13826188.44	WDT	SCS_24h_Type_II_Xyr*	J973	4.86	302.733	699.301	1.907	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-973_2	2083920.299	13826386.11	WDT	SCS_24h_Type_II_Xyr*	J973	3.42	233.813	637.155	1.589	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-2886_2	2081603.758	13826255.95	WDT	SCS_24h_Type_II_Xyr*	J2886	8.31	468.865	772.042	9.934	4.41	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.6	0.01	21

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
PO-964_2	2080542.406	13826114.98	WDT	SCS_24h_Type_II_Xyr*	J964	7.58	492.928	669.844	7.153	6.92	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-959	2086210.517	13825874.17	WDT	SCS_24h_Type_II_Xyr*	J959	7.17	326.608	956.269	2.331	0.16	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1023_3	2083617.096	13825661.82	WDT	SCS_24h_Type_II_Xyr*	J1023	6.88	527.001	568.676	1.666	1.79	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-2989_1	2082135.531	13825991.84	WDT	SCS_24h_Type_II_Xyr*	J2989	5.69	740.719	334.616	7.718	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.7	0.017	22.2
CC-MASJ1021_1	2078217.299	13825980.88	WDT	SCS_24h_Type_II_Xyr*	MASJ1021	2.29	306.111	325.87	1.422	1.51	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-964_3	2080923.212	13825756.19	WDT	SCS_24h_Type_II_Xyr*	J964	5.52	219.951	1093.203	9.138	10.94	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-2739	2084198.594	13825826.36	WDT	SCS_24h_Type_II_Xyr*	J2739	7.46	287.762	1129.258	3.212	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J101	2078418.852	13825986.79	WDT	SCS_24h_Type_II_Xyr*	J101	3.19	260.941	532.52	1.598	18.05	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1043_1	2080140.23	13825669.31	WDT	SCS_24h_Type_II_Xyr*	J1043	14.02	420.228	1453.285	8.222	3.02	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J110	2079658.805	13826149.58	WDT	SCS_24h_Type_II_Xyr*	J110	2.61	437.123	260.091	3.423	1.33	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1004	2086644.133	13825841.41	WDT	SCS_24h_Type_II_Xyr*	J1004	8.87	662.322	583.368	2.724	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-978	2081824.288	13825891.78	WDT	SCS_24h_Type_II_Xyr*	J978	3.08	401.862	333.858	11.216	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1069	2086413.162	13825314.21	WDT	SCS_24h_Type_II_Xyr*	J1069	4.91	139.168	1536.845	2.489	5.88	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J986	2079194.405	13825919.01	WDT	SCS_24h_Type_II_Xyr*	J986	4.74	407.092	507.193	3.346	5.01	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1045_1	2083981.859	13825354.3	WDT	SCS_24h_Type_II_Xyr*	J1045	3.64	336.03	471.858	2.489	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-MASJ1141	2078280.583	13825390.83	WDT	SCS_24h_Type_II_Xyr*	MASJ1141	9.51	422.314	980.918	3.77	11.96	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.8	0.01	21
CC-MASJ1021_2	2078055.933	13825655.43	WDT	SCS_24h_Type_II_Xyr*	MASJ1021	5.85	332.482	766.435	1.311	11.24	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-988_2	2086895.36	13825594.09	WDT	SCS_24h_Type_II_Xyr*	J988	3.38	472.932	311.319	2.847	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-CibIntoCity	2077092.933	13825563.4	WDT	SCS_24h_Type_II_Xyr*	CibIntoCity	5.04	350.644	626.112	6.663	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.5	0.014	21.8
PO-1049_1	2081451.974	13825689.01	WDT	SCS_24h_Type_II_Xyr*	J1049	4.72	171.502	1198.838	11.819	3	0.01	0.1	0.05	0.05	25	PERVIOUS	0.549	2.5	0.01	21
PO-975_2	2082520.107	13825581.11	WDT	SCS_24h_Type_II_Xyr*	J975	2.3	256.759	390.202	0.924	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.2	0.02	22.8
CC-J1027_1	2079388.325	13825701.73	WDT	SCS_24h_Type_II_Xyr*	J1027	5.66	260.527	946.35	3.557	10.48	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1053_1	2085911.602	13825504.01	WDT	SCS_24h_Type_II_Xyr*	J1053	1.8	171.593	456.942	1.315	15.76	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-2882_1	2084164.675	13825394.99	WDT	SCS_24h_Type_II_Xyr*	J2882	2.99	218.603	595.803	2.829	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1042417	2087486.416	13824896.08	WDT	SCS_24h_Type_II_Xyr*	M1042417	10.81	424.175	1110.116	2.794	0.95	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1043_2	2080553.927	13825480.2	WDT	SCS_24h_Type_II_Xyr*	J1043	5.24	270.385	844.183	9.693	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-2899_1	2082398.666	13825349.52	WDT	SCS_24h_Type_II_Xyr*	J2899	2.73	126.688	938.675	5.565	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
UT-2982_1	2084788.733	13825375	WDT	SCS_24h_Type_II_Xyr*	J2982	4.3	551.106	339.877	5.779	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2913_1	2077351.424	13825339.68	WDT	SCS_24h_Type_II_Xyr*	J2913	4.53	681.05	289.739	12.736	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.2	0.016	22.1
UT-2751_1	2087229.581	13824954.6	WDT	SCS_24h_Type_II_Xyr*	J2751	4.43	204.428	943.955	2.609	5.86	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-2989_2	2081881.319	13825570.51	WDT	SCS_24h_Type_II_Xyr*	J2989	1.71	303.556	245.383	10.592	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1053_2	2086100.662	13825017.7	WDT	SCS_24h_Type_II_Xyr*	J1053	4.09	330.409	539.212	1.903	6.61	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-2793	2082240.581	13825217.88	WDT	SCS_24h_Type_II_Xyr*	J2793	4.85	473.68	446.01	15.633	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.1	0.017	22.3
CC-J994	2079386.414	13825411.78	WDT	SCS_24h_Type_II_Xyr*	J994	6.37	251.878	1101.633	3.164	15.78	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1027_2	2078475.195	13825112.29	WDT	SCS_24h_Type_II_Xyr*	J1027	8.12	455.903	775.839	4.148	8.69	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-975_3	2082727.716	13825323.48	WDT	SCS_24h_Type_II_Xyr*	J975	2.99	531.18	245.198	2.081	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.1	0.016	22.1
UT-1047	2084422.434	13825409.03	WDT	SCS_24h_Type_II_Xyr*	J1047	2.97	445.552	290.366	3.327	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1037	2083740.32	13824771.8	WDT	SCS_24h_Type_II_Xyr*	J1037	18.12	431.25	1830.278	1.646	7.1	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8	0.01	21
UT-2812	2087171.194	13825117	WDT	SCS_24h_Type_II_Xyr*	J2812	2.24	106.048	920.097	2.981	1.42	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1033	2086973.012	13825163.78	WDT	SCS_24h_Type_II_Xyr*	J1033	6.74	342.602	856.955	2.704	4.59	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-2966_1	2087686.845	13824594.99	WDT	SCS_24h_Type_II_Xyr*	J2966	4.41	126.707	1516.093	2.477	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-2899_2	2082866.177	13825181.18	WDT	SCS_24h_Type_II_Xyr*	J2899	3.13	255.796	533.014	2.065	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.3	0.015	22
PO-1049_2	2081193.892	13825297.4	WDT	SCS_24h_Type_II_Xyr*	J1049	7.41	454.733	709.822	9.425	13.31	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2913_2	2077735.478	13825185.54	WDT	SCS_24h_Type_II_Xyr*	J2913	3.68	332.88	481.557	14.872	0.13	0.01	0.1	0.05	0.05	25	PERVIOUS	0.018	2.8	0.01	21
UT-16042417_2	2085763.512	13825232.25	WDT	SCS_24h_Type_II_Xyr*	M16042417	2.99	313.011	416.102	2.878	5.39	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J143	2078909.721	13825073.88	WDT	SCS_24h_Type_II_Xyr*	J143	5.23	400.644	568.632	2.041	13.52	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-1031	2081991.579	13825078.38	WDT	SCS_24h_Type_II_Xyr*	J1031	4.5	351.285	558.008	17.932	6.78	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1085	2079433.198	13825078.99	WDT	SCS_24h_Type_II_Xyr*	J1085	4.66	246.894	822.173	3.621	0.91	0.01	0.1	0.05	0.05	25	PERVIOUS	0.749	2.5	0.01	21
PO-1049_3	2081724.003	13825143.35	WDT	SCS_24h_Type_II_Xyr*	J1049	3.33	557.267	260.297	8.249	10.04	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1000	2085507.437	13825022.8	WDT	SCS_24h_Type_II_Xyr*	J1000	4.42	311.43	618.229	2.575	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1093	2079737.102	13824786.05	WDT	SCS_24h_Type_II_Xyr*	J1093	7.23	345.514	911.508	4.112	6.64	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
UT-2982_2	2084571.67	13825036.28	WDT	SCS_24h_Type_II_Xyr*	J2982	1.93	307.189	273.678	4.31	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1102_1	2085082.21	13825014.22	WDT	SCS_24h_Type_II_Xyr*	J1102	4.92	336.542	636.816	3.04	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-1110_1	2083056.317	13824949.16	WDT	SCS_24h_Type_II_Xyr*	J1110	5.19	584.561	386.746	2.155	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.8	0.013	21.6
CC-J85	2079295.382	13824716.83	WDT	SCS_24h_Type_II_Xyr*	J85	6.89	1145.805	261.937	3.147	5.03	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1043_3	2080706.212	13824927.43	WDT	SCS_24h_Type_II_Xyr*	J1043	4.14	390	462.406	7.614	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1083	2080187.942	13824787.38	WDT	SCS_24h_Type_II_Xyr*	J1083	5.86	411.457	620.385	4.974	8.17	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1117	2085590.363	13824726.52	WDT	SCS_24h_Type_II_Xyr*	J1117	5.23	785.091	290.181	1.702	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1045_2	2084127.017	13824956.45	WDT	SCS_24h_Type_II_Xyr*	J1045	3.66	350.025	455.481	4.852	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-1049_4	2081293.578	13824949.04	WDT	SCS_24h_Type_II_Xyr*	J1049	3.56	264.959	585.274	7.761	15.88	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2913_3	2077180.054	13825008.17	WDT	SCS_24h_Type_II_Xyr*	J2913	2.5	211.131	515.794	17.925	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.5	0.014	21.6
CC-J2936	2077940.925	13824732.16	WDT	SCS_24h_Type_II_Xyr*	J2936	2.85	633.364	196.011	12.663	0.13	0.01	0.1	0.05	0.05	25	PERVIOUS	0.133	2.5	0.01	21
UT-1100	2086247.963	13824753.24	WDT	SCS_24h_Type_II_Xyr*	J1100	3.52	165.446	926.775	1.195	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1095	2086806.831	13824476.58	WDT	SCS_24h_Type_II_Xyr*	J1095	5.12	556.525	400.75	1.019	1.97	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1133	2086469.824	13824768.01	WDT	SCS_24h_Type_II_Xyr*	J1133	2	261.768	332.814	0.979	4.93	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1149	2084656.91	13824665.2	WDT	SCS_24h_Type_II_Xyr*	J1149	3.81	191.976	864.502	2.334	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1138_1	2078582.527	13824244.04	WDT	SCS_24h_Type_II_Xyr*	J1138	4.65	785.449	257.883	6.688	7.67	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.2	0.01	21
CC-J1190_1	2078802.051	13824291.66	WDT	SCS_24h_Type_II_Xyr*	J1190	5.19	270.362	836.199	7.122	8.9	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1102_2	2085045.236	13824599.54	WDT	SCS_24h_Type_II_Xyr*	J1102	5.32	313.969	738.096	1.81	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2	2077509.817	13824537.29	WDT	SCS_24h_Type_II_Xyr*	J2	10.96	726.975	656.718	9.082	6.3	0.01	0.1	0.05	0.05	25	PERVIOUS	0.042	10.6	0.01	21
PO-2899_3	2082658.677	13824747.29	WDT	SCS_24h_Type_II_Xyr*	J2899	1.51	440.221	149.415	12.599	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.1	0.02	22.7
UT-2882_2	2084414.2	13824495.43	WDT	SCS_24h_Type_II_Xyr*	J2882	4.67	422.221	481.798	7.626	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.3	0.01	21
PO-1192_1	2081690.357	13824330.5	WDT	SCS_24h_Type_II_Xyr*	J1192	5.46	770.572	308.651	5.006	5.52	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-1121	2081414.228	13824539.83	WDT	SCS_24h_Type_II_Xyr*	J1121	6.42	415.549	672.978	6.238	2.15	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-1110_2	2082350.014	13824539.27	WDT	SCS_24h_Type_II_Xyr*	J1110	6.63	459.322	628.759	12.136	10.06	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.1	0.011	21.1
CC-J113_1	2080742.882	13824384.11	WDT	SCS_24h_Type_II_Xyr*	J113	5.49	421.584	567.252	5.749	10.49	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-1192_2	2081228.722	13824272.95	WDT	SCS_24h_Type_II_Xyr*	J1192	5.4	157.995	1488.807	6.011	5.58	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-1110_3	2083439.243	13824312.69	WDT	SCS_24h_Type_II_Xyr*	J1110	11.38	463.487	1069.529	3.515	3.94	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.8	0.011	21.1
PO-1192_3	2081985.186	13824347.03	WDT	SCS_24h_Type_II_Xyr*	J1192	5.96	424.164	612.069	3.96	3.12	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1143	2078323.168	13824488.93	WDT	SCS_24h_Type_II_Xyr*	J1143	5.94	645.734	400.701	8.98	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1163_1	2080354.879	13824332.1	WDT	SCS_24h_Type_II_Xyr*	J1163	5.84	244.598	1040.035	6.175	6.33	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-2954_1	2085744.098	13824212.55	WDT	SCS_24h_Type_II_Xyr*	J2954	7.71	661.543	507.673	5.726	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-8042417	2088876.096	13823570.06	WDT	SCS_24h_Type_II_Xyr*	M8042417	8.15	238.397	1489.171	2.637	9.96	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-1110_4	2082907.569	13824353.86	WDT	SCS_24h_Type_II_Xyr*	J1110	3.51	414.699	368.691	11.055	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
CC-J1151	2079694.32	13824309.47	WDT	SCS_24h_Type_II_Xyr*	J1151	3.62	263.179	599.163	7.649	17.07	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1197	2086435.031	13824142.47	WDT	SCS_24h_Type_II_Xyr*	J1197	8.7	816.05	464.398	0.935	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-2751_2	2087333.597	13824246.66	WDT	SCS_24h_Type_II_Xyr*	J2751	4.03	827.095	212.245	1.478	13.68	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-2954_2	2085495.077	13824383.45	WDT	SCS_24h_Type_II_Xyr*	J2954	1.96	360.539	236.805	4.536	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1185	2086011.869	13823879.38	WDT	SCS_24h_Type_II_Xyr*	J1185	5.11	536.791	414.671	4.948	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.6	0.01	21
PO-1104_1	2082605.03	13824169.72	WDT	SCS_24h_Type_II_Xyr*	J1104	4.02	515.968	339.384	11.255	0.12	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.1	0.014	21.7
CC-J141	2080003.124	13824251.71	WDT	SCS_24h_Type_II_Xyr*	J141	3.27	253.107	562.771	6.682	10.51	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J113_2	2080846.395	13824049.71	WDT	SCS_24h_Type_II_Xyr*	J113	2.92	239.596	530.874	6.014	5.14	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2798	2079379.921	13824101.14	WDT	SCS_24h_Type_II_Xyr*	J2798	5.62	505.75	484.048	14.222	2.59	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-3042417_1	2088260.397	13824023.86	WDT	SCS_24h_Type_II_Xyr*	M3042417	4.16	203.244	891.586	3.673	7.19	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1168	2077087.186	13824099.31	WDT	SCS_24h_Type_II_Xyr*	J1168	7.26	152.475	2074.082	0.867	14.78	0.01	0.1	0.05	0.05	25	PERVIOUS	9.146	7.6	0.01	21
BC-1203_1	2074998.829	13823966.05	WDT	SCS_24h_Type_II_Xyr*	J1203	6.37	468.317	592.499	4.013	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-6042417_1	2088685.729	13823552.75	WDT	SCS_24h_Type_II_Xyr*	M6042417	8.5	394.726	938.018	2.487	1.66	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-1153	2083163.798	13823720.66	WDT	SCS_24h_Type_II_Xyr*	J1153	9.19	367.827	1088.328	4.005	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.6	0.019	22.6
UT-1178_1	2085011.983	13824183.72	WDT	SCS_24h_Type_II_Xyr*	J1178	1.07	222.958	209.049	5.078	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1178_2	2084623.373	13824145.84	WDT	SCS_24h_Type_II_Xyr*	J1178	2.82	341.859	359.327	4.019	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.6	0.01	21
CC-J1138_2	2078000.764	13824089.29	WDT	SCS_24h_Type_II_Xyr*	J1138	7.34	283.64	1127.24	12.504	6.09	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.8	0.01	21
UT-1155	2085231.273	13824180.03	WDT	SCS_24h_Type_II_Xyr*	J1155	2.4	240.665	434.396	5.067	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
CC-J1157_1	2076461.003	13824131.83	WDT	SCS_24h_Type_II_Xyr*	J1157	2.76	251.415	478.196	1.107	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1161	2087078.349	13823992.48	WDT	SCS_24h_Type_II_Xyr*	J1161	2.02	211.022	416.976	0.74	6.66	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1178_3	2084841.839	13823937.85	WDT	SCS_24h_Type_II_Xyr*	J1178	4.54	256.842	769.977	4.069	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1163_2	2080159.653	13823838.98	WDT	SCS_24h_Type_II_Xyr*	J1163	5.6	624.862	390.384	14.347	11.29	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-4042417_1	2088164.968	13823718.65	WDT	SCS_24h_Type_II_Xyr*	M4042417	3.3	187.846	765.244	3.127	11.33	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1227_1	2084030.73	13823960.5	WDT	SCS_24h_Type_II_Xyr*	J1227	3.84	255.396	654.945	1.718	8.67	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.6	0.01	21
UT-1240_1	2086536.19	13823543.46	WDT	SCS_24h_Type_II_Xyr*	J1240	8.54	630.139	590.35	3.316	0.15	0.01	0.1	0.05	0.05	25	PERVIOUS	0.15	2.8	0.01	21
UT-4042417_2	2088041.049	13823552.8	WDT	SCS_24h_Type_II_Xyr*	M4042417	7.06	241.243	1274.788	2.828	8.88	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1240_2	2086905.139	13823628.17	WDT	SCS_24h_Type_II_Xyr*	J1240	4.48	260.406	749.402	1.127	0.33	0.01	0.1	0.05	0.05	25	PERVIOUS	0.333	2.5	0.01	21
CC-J1190_2	2078889.144	13823735.08	WDT	SCS_24h_Type_II_Xyr*	J1190	7.3	373.192	852.076	9.189	1.03	0.01	0.1	0.05	0.05	25	PERVIOUS	1.032	3.3	0.01	21
PO-1192_4	2081353.507	13823853.08	WDT	SCS_24h_Type_II_Xyr*	J1192	2.71	210.973	559.539	4.265	12.79	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1182	2076307.812	13823971.04	WDT	SCS_24h_Type_II_Xyr*	J1182	3.68	316.079	507.154	1.486	0.75	0.01	0.1	0.05	0.05	25	PERVIOUS	0.75	2.5	0.01	21
PO-23	2082339.893	13823799.46	WDT	SCS_24h_Type_II_Xyr*	J23	4.48	443.801	439.721	4.336	14.61	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-1245_1	2075710.62	13823878.25	WDT	SCS_24h_Type_II_Xyr*	J1245	7.79	326.622	1038.915	5.048	2.5	0.01	0.1	0.05	0.05	25	PERVIOUS	2.5	2.5	0.01	21
CC-J115	2081057.316	13823748.92	WDT	SCS_24h_Type_II_Xyr*	J115	4.21	205.863	890.824	5.269	11.59	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-1104_2	2082807.388	13823808.22	WDT	SCS_24h_Type_II_Xyr*	J1104	5.4	771.411	304.927	7.048	0.76	0.01	0.1	0.05	0.05	25	PERVIOUS	0.76	9.5	0.018	22.4
BC-2736	2075286.136	13823674.41	WDT	SCS_24h_Type_II_Xyr*	J2736	5.49	775.942	308.199	4.675	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1138_3	2077934.868	13823793.33	WDT	SCS_24h_Type_II_Xyr*	J1138	4.04	443.581	396.731	4.417	21.46	0.01	0.1	0.05	0.05	25	PERVIOUS	0	12.6	0.01	21
BC-1289_1	2077725.585	13823660.19	WDT	SCS_24h_Type_II_Xyr*	J1289	2.71	459.888	256.688	0.449	7.09	0.01	0.1	0.05	0.05	25	PERVIOUS	0	12.6	0.01	21
PO-1234_1	2081997.481	13823653.48	WDT	SCS_24h_Type_II_Xyr*	J1234	5.73	628.047	397.421	4.683	9.26	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-2919_1	2085455.206	13823718.08	WDT	SCS_24h_Type_II_Xyr*	J2919	6.52	474.148	598.993	2.415	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-3042417_2	2087750.832	13823569.58	WDT	SCS_24h_Type_II_Xyr*	M3042417	2.56	733.047	152.123	2.066	0.97	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2905	2079732.741	13823700.82	WDT	SCS_24h_Type_II_Xyr*	J2905	3.05	313.314	424.041	25.407	0.38	0.01	0.1	0.05	0.05	25	PERVIOUS	0.385	2.5	0.01	21
CC-J2789_1	2080212.48	13823569.66	WDT	SCS_24h_Type_II_Xyr*	J2789	1.91	167.749	495.977	21.074	7.34	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-6042417_2	2088341.91	13823304.48	WDT	SCS_24h_Type_II_Xyr*	M6042417	2.94	211.081	606.717	2.037	19	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1212	2084553.351	13823621.81	WDT	SCS_24h_Type_II_Xyr*	J1212	7.08	490.816	628.351	2.703	3.22	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1157_2	2076617.692	13823852	WDT	SCS_24h_Type_II_Xyr*	J1157	4.54	202.67	975.785	1.299	11.42	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1190_3	2078380.193	13823526.26	WDT	SCS_24h_Type_II_Xyr*	J1190	4.53	378.966	520.698	14.171	1.68	0.01	0.1	0.05	0.05	25	PERVIOUS	0	12.6	0.01	21
CC-J1287_1	2079240.786	13823516.41	WDT	SCS_24h_Type_II_Xyr*	J1287	5.2	383.574	590.53	9.844	1.42	0.01	0.1	0.05	0.05	25	PERVIOUS	1.417	2.5	0.01	21
BC-1289_2	2077340.92	13823716.04	WDT	SCS_24h_Type_II_Xyr*	J1289	2.54	229.376	482.363	0.624	22.1	0.01	0.1	0.05	0.05	25	PERVIOUS	0	12.4	0.01	21
UT-1227_2	2083916.905	13823579.82	WDT	SCS_24h_Type_II_Xyr*	J1227	2.57	399.674	280.101	1.96	7.27	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-2966_2	2087358.335	13823749.6	WDT	SCS_24h_Type_II_Xyr*	J2966	3.83	309.656	538.775	1.042	11.95	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-1203_2	2074583.598	13823011.71	WDT	SCS_24h_Type_II_Xyr*	J1203	11.18	259.068	1879.818	8.333	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.4	0.014	21.8
CC-J1271_1	2080561.417	13823505.11	WDT	SCS_24h_Type_II_Xyr*	J1271	5.63	311.348	787.681	24.244	2.87	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-1223_1	2083477.389	13823493.59	WDT	SCS_24h_Type_II_Xyr*	J1223	4.98	241.262	899.142	3.356	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.1	0.017	22.3
BC-66_1	2076492.875	13823469.62	WDT	SCS_24h_Type_II_Xyr*	J66	5.87	472.707	540.921	1.066	11.08	0.01	0.1	0.05	0.05	25	PERVIOUS	2.545	2.5	0.01	21
PO-1234_2	2081720.161	13823495.29	WDT	SCS_24h_Type_II_Xyr*	J1234	3.51	256.066	597.094	5.091	3.45	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-1289_3	2077703.836	13823425.83	WDT	SCS_24h_Type_II_Xyr*	J1289	2.15	294.787	317.701	0.863	8.78	0.01	0.1	0.05	0.05	25	PERVIOUS	2.9	12.6	0.01	21
CC-J1271_2	2080850.12	13823488.17	WDT	SCS_24h_Type_II_Xyr*	J1271	2.52	143.469	765.121	15.75	0.58	0.01	0.1	0.05	0.05	25	PERVIOUS	0.583	2.5	0.01	21
UT-1269_1	2085058.014	13823341.44	WDT	SCS_24h_Type_II_Xyr*	J1269	5.03	759.482	288.495	1.533	3.21	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1301_1	2087074.373	13823239.18	WDT	SCS_24h_Type_II_Xyr*	J1301	5.02	428.597	510.202	3.141	4.03	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.6	0.01	21
BC-1245_2	2076009.16	13823401.54	WDT	SCS_24h_Type_II_Xyr*	J1245	4.85	369.755	571.368	1.919	9.3	0.01	0.1	0.05	0.05	25	PERVIOUS	3.76	2.5	0.01	21
PO-1234_3	2081705.747	13823176.11	WDT	SCS_24h_Type_II_Xyr*	J1234	7.23	283.719	1110.038	3.61	3.09	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-1289_4	2077415.408	13823388.24	WDT	SCS_24h_Type_II_Xyr*	J1289	4.8	273.632	764.121	1.789	19.71	0.01	0.1	0.05	0.05	25	PERVIOUS	0	12.6	0.01	21
UT-7042417_1	2088643.955	13823059.07	WDT	SCS_24h_Type_II_Xyr*	M7042417	3.06	139.623	954.668	2.041	3.48	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1227_3	2084346.911	13823243.73	WDT	SCS_24h_Type_II_Xyr*	J1227	8.62	508.45	738.494	2.695	7.94	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-1297_1	2082894.451	13823167.27	WDT	SCS_24h_Type_II_Xyr*	J1297	4.86	358.453	590.598	3.555	7.29	0.01	0.1	0.05	0.05	25	PERVIOUS	7.286	9.9	0.018	22.5
BC-1238	2075084.926	13823309.86	WDT	SCS_24h_Type_II_Xyr*	J1238	6.01	310.681	842.651	3.798	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-1259	2077012.694	13823377.96	WDT	SCS_24h_Type_II_Xyr*	J1259	3.74	218.895	744.258	0.683	7.5	0.01	0.1	0.05	0.05	25	PERVIOUS	7.5	7.2	0.01	21
BC-1242	2078053.19	13823315.63	WDT	SCS_24h_Type_II_Xyr*	J1242	3.13	320.234	425.76	0.972	24.15	0.01	0.1	0.05	0.05	25	PERVIOUS	0	12.6	0.01	21
UT-1232	2085580.12	13823349.76	WDT	SCS_24h_Type_II_Xyr*	J1232	3.46	499.363	301.82	2.43	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.3	0.01	21

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
CC-J1350_1	2081329.943	13823004.7	WDT	SCS_24h_Type_II_Xyr*	J1350	6.66	347.031	835.976	17.86	0.4	0.01	0.1	0.05	0.05	25	PERVIOUS	0.4	3.4	0.011	21.2
PO-1223_2	2083521.508	13823156.77	WDT	SCS_24h_Type_II_Xyr*	J1223	6.12	327.85	813.138	4.938	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9	0.017	22.3
CC-J1287_2	2079538.28	13823416.57	WDT	SCS_24h_Type_II_Xyr*	J1287	3.96	171.569	1005.412	12.109	1.31	0.01	0.1	0.05	0.05	25	PERVIOUS	1.312	2.5	0.01	21
CC-J2789_2	2080076.669	13823273.7	WDT	SCS_24h_Type_II_Xyr*	J2789	1.1	198.867	240.945	23.264	0.25	0.01	0.1	0.05	0.05	25	PERVIOUS	0.25	3.3	0.011	21.2
PO-1295	2082520.091	13823115.35	WDT	SCS_24h_Type_II_Xyr*	J1295	4.74	158.943	1299.047	3.353	22.38	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.2	0.016	22.2
CC-J1255	2078835	13823135.92	WDT	SCS_24h_Type_II_Xyr*	J1255	6.33	768.257	358.91	15.209	1.72	0.01	0.1	0.05	0.05	25	PERVIOUS	1.724	7.9	0.011	21.2
UT-1269_2	2085143.414	13823031.59	WDT	SCS_24h_Type_II_Xyr*	J1269	3.69	278.293	577.58	1.476	5.65	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-6042417_3	2088211.889	13823002.06	WDT	SCS_24h_Type_II_Xyr*	M6042417	3.59	223.162	700.748	1.327	10.11	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-48	2075332	13823143.09	WDT	SCS_24h_Type_II_Xyr*	J48	2.53	215.373	511.702	2.91	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-66_2	2076246.412	13823171.42	WDT	SCS_24h_Type_II_Xyr*	J66	2.56	412.929	270.055	4.51	22.44	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-1299_1	2082913.955	13822641.98	WDT	SCS_24h_Type_II_Xyr*	J1299	9.13	400.662	992.614	1.342	6.1	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.3	0.02	22.8
UT-2990_1	2087691.022	13822897.47	WDT	SCS_24h_Type_II_Xyr*	J2990	9.67	828.153	508.632	3.211	7.06	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.8	0.01	21
UT-2919_2	2085824.28	13823114.14	WDT	SCS_24h_Type_II_Xyr*	J2919	8.83	521.298	737.841	3.926	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.7	0.01	21
CC-J2790_1	2080255.202	13823132.31	WDT	SCS_24h_Type_II_Xyr*	J2790	1.82	463.576	171.017	11.416	4.74	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.9	0.014	21.7
BC-1249	2075873.203	13823106.25	WDT	SCS_24h_Type_II_Xyr*	J1249	3.19	285.274	487.098	2.49	8.27	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1279	2086172.355	13823081.74	WDT	SCS_24h_Type_II_Xyr*	J1279	3.01	634.457	206.658	5.895	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.8	0.01	21
UT-10042417	2088768.224	13822572.65	WDT	SCS_24h_Type_II_Xyr*	M10042417	12.83	225.208	2481.594	2.554	16.87	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.9	0.01	21
CC-J2790_2	2080779.584	13823027.49	WDT	SCS_24h_Type_II_Xyr*	J2790	5.5	312.693	766.183	9.035	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.2	0.012	21.3
UT-11042417_1	2089007.001	13822436.49	WDT	SCS_24h_Type_II_Xyr*	M11042417	12.3	434.911	1231.949	2.427	12.2	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-1289_5	2077509.132	13822925.3	WDT	SCS_24h_Type_II_Xyr*	J1289	4.4	387.206	494.992	1.522	13.47	0.01	0.1	0.05	0.05	25	PERVIOUS	4.055	12.6	0.01	21
BC-1305_1	2077943.96	13822946.2	WDT	SCS_24h_Type_II_Xyr*	J1305	5.51	861.569	278.58	3.062	17.65	0.01	0.1	0.05	0.05	25	PERVIOUS	7.119	12.6	0.01	21
CC-J3026	2079796.417	13822996.21	WDT	SCS_24h_Type_II_Xyr*	J3026	6.81	542.771	546.535	14.661	7.91	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.4	0.017	22.2
UT-2707_1	2086562.59	13823050.65	WDT	SCS_24h_Type_II_Xyr*	J2707	1.75	256.573	297.108	5.925	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.2	0.01	21
BC-1305_2	2078343.406	13822875.98	WDT	SCS_24h_Type_II_Xyr*	J1305	3.82	206.97	803.977	4.921	23.22	0.01	0.1	0.05	0.05	25	PERVIOUS	4.519	12.6	0.01	21
CC-J1287_3	2079321.592	13822928.5	WDT	SCS_24h_Type_II_Xyr*	J1287	5.81	462.386	547.343	13.359	4.69	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.5	0.017	22.2
PO-1297_2	2083588.43	13822787.78	WDT	SCS_24h_Type_II_Xyr*	J1297	5.83	382.435	664.047	5.811	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.9	0.017	22.3
BC-66_3	2076705.389	13823095.78	WDT	SCS_24h_Type_II_Xyr*	J66	2.14	218.307	427.006	1.921	19.6	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-49	2075678.006	13822887.98	WDT	SCS_24h_Type_II_Xyr*	J49	4.72	256.849	800.483	3.871	2.1	0.01	0.1	0.05	0.05	25	PERVIOUS	2.095	2.5	0.01	21
BC-1293	2077153.524	13822982.83	WDT	SCS_24h_Type_II_Xyr*	J1293	3.32	424.735	340.493	1.101	17.5	0.01	0.1	0.05	0.05	25	PERVIOUS	1.68	9.9	0.01	21
UT-7042417_2	2088303.355	13822613.92	WDT	SCS_24h_Type_II_Xyr*	M7042417	5.05	698.339	315.002	1.491	5.78	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2965_1	2080128.287	13822792.26	WDT	SCS_24h_Type_II_Xyr*	J2965	3.86	312.77	537.589	5.797	12.47	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
CC-J2965_2	2080547.787	13822725.65	WDT	SCS_24h_Type_II_Xyr*	J2965	6.14	243.949	1096.37	4.883	19.36	0.01	0.1	0.05	0.05	25	PERVIOUS	10.736	11.4	0.02	22.8
UT-2707_2	2086665.352	13822832.98	WDT	SCS_24h_Type_II_Xyr*	J2707	3.43	532.312	280.683	6.462	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10	0.01	21
BC-72	2076287.506	13822810.11	WDT	SCS_24h_Type_II_Xyr*	J72	5.56	1046.023	231.538	2.774	11.25	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-1346_1	2081762.346	13822521.65	WDT	SCS_24h_Type_II_Xyr*	J1346	5.79	528.576	477.154	1.956	1.54	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.4	0.012	21.4
CC-J127_1	2084381.031	13822847.33	WDT	SCS_24h_Type_II_Xyr*	J127	5.27	357.637	641.883	1.541	0.12	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1283	2086244.133	13822776	WDT	SCS_24h_Type_II_Xyr*	J1283	3.63	334.597	472.577	3.997	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.2	0.01	21
PO-1285	2082140.578	13822941.74	WDT	SCS_24h_Type_II_Xyr*	J1285	4.68	313.193	650.911	3.931	12.13	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.6	0.01	21
BC-1358	2075392.396	13822670.9	WDT	SCS_24h_Type_II_Xyr*	J1358	4.8	275.564	758.764	3.758	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J127_2	2084485.473	13822438.03	WDT	SCS_24h_Type_II_Xyr*	J127	2.98	137.527	943.879	1.156	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-2990_2	2087400.748	13822681.77	WDT	SCS_24h_Type_II_Xyr*	J2990	2.52	349.382	314.187	6.444	6.9	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.7	0.01	21
BC-73_1	2076730.599	13822692.18	WDT	SCS_24h_Type_II_Xyr*	J73	4.69	458.321	445.75	4.109	10.75	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.2	0.01	21
CC-J127_3	2084101.092	13822491.58	WDT	SCS_24h_Type_II_Xyr*	J127	7.36	475.844	673.754	1.374	0.03	0.01	0.1	0.05	0.05	25	PERVIOUS	0.031	2.5	0.01	21
CC-J80_1	2085116.97	13822667.22	WDT	SCS_24h_Type_II_Xyr*	J80	3.27	126.008	1130.414	1.267	10.29	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-1299_2	2082408.828	13822652.71	WDT	SCS_24h_Type_II_Xyr*	J1299	3.5	185.684	821.072	5.95	0.67	0.01	0.1	0.05	0.05	25	PERVIOUS	0.667	8.9	0.017	22.3
CC-J127_4	2084741.842	13822381.43	WDT	SCS_24h_Type_II_Xyr*	J127	3.46	183.011	823.544	1.112	3.14	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J80_2	2085358.554	13821764.38	WDT	SCS_24h_Type_II_Xyr*	J80	7.65	727.306	458.176	1.584	6.2	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-1318	2075276.48	13822615.21	WDT	SCS_24h_Type_II_Xyr*	J1318	2.22	156.802	616.722	2.693	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J80_3	2085514.054	13822360.33	WDT	SCS_24h_Type_II_Xyr*	J80	9.63	627.013	669.018	1.599	9.62	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1291	2081144.335	13822816.13	WDT	SCS_24h_Type_II_Xyr*	J1291	3.81	147.637	1124.133	16.155	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.1	0.012	21.3
BC-1354_1	2078746.043	13822571.85	WDT	SCS_24h_Type_II_Xyr*	J1354	6.46	380.337	739.864	6.357	12.64	0.01	0.1	0.05	0.05	25	PERVIOUS	0.728	11.8	0.017	22.2

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
BC-1336	2075076.115	13822480.92	WDT	SCS_24h_Type_II_Xyr*	J1336	7.22	373.472	842.107	3.317	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.3	0.012	21.4
BC-73_2	2076043.556	13822506.66	WDT	SCS_24h_Type_II_Xyr*	J73	4.18	426.01	427.41	6.942	15.95	0.01	0.1	0.05	0.05	25	PERVIOUS	2.984	2.5	0.01	21
UT-1301_2	2086958.291	13822733.95	WDT	SCS_24h_Type_II_Xyr*	J1301	5.72	248.819	1001.383	4.536	1.78	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.7	0.01	21
BC-1307	2077945.923	13822570.24	WDT	SCS_24h_Type_II_Xyr*	J1307	4.54	303.019	652.64	6.392	22.39	0.01	0.1	0.05	0.05	25	PERVIOUS	8.251	12.6	0.01	21
BC-1392_1	2076981.922	13822389.38	WDT	SCS_24h_Type_II_Xyr*	J1392	7.26	432.854	730.606	4.058	11.79	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.1	0.01	21.1
UT-2902	2087757.715	13822004.46	WDT	SCS_24h_Type_II_Xyr*	J2902	12.68	806.094	685.206	3.525	1.82	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.5	0.01	21
PO-1316	2083558.032	13822378.17	WDT	SCS_24h_Type_II_Xyr*	J1316	5.1	235.63	942.817	7.281	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.9	0.017	22.3
CC-J1406	2081387.694	13822060.92	WDT	SCS_24h_Type_II_Xyr*	J1406	5.74	398.792	626.979	11.555	2.12	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.8	0.019	22.7
BC-1332	2078349.32	13822486.93	WDT	SCS_24h_Type_II_Xyr*	J1332	3.03	687.009	192.118	5.469	16.42	0.01	0.1	0.05	0.05	25	PERVIOUS	11.959	12.1	0.014	21.7
CC-J127_5	2084861.463	13821934.53	WDT	SCS_24h_Type_II_Xyr*	J127	5.48	291.148	819.888	1.219	7.4	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-14042417_1	2085960.065	13822327.92	WDT	SCS_24h_Type_II_Xyr*	M14042417	6.52	409.636	693.326	1.062	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-1377_1	2079509.109	13822377.26	WDT	SCS_24h_Type_II_Xyr*	J1377	12.5	441.447	1233.444	5.015	17.15	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
PO-1346_2	2082075.076	13822401.96	WDT	SCS_24h_Type_II_Xyr*	J1346	2.98	257.845	503.437	5.53	1.31	0.01	0.1	0.05	0.05	25	PERVIOUS	0.02	3.2	0.011	21.1
UT-14042417_2	2086256.058	13822202.61	WDT	SCS_24h_Type_II_Xyr*	M14042417	2.72	648.207	182.786	1.166	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-1364	2082617.365	13822329.75	WDT	SCS_24h_Type_II_Xyr*	J1364	2.42	398.301	264.662	3.766	4.63	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
UT-1403	2087117.687	13822332.97	WDT	SCS_24h_Type_II_Xyr*	J1403	9.92	271.015	1594.433	2.878	1.3	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.2	0.01	21
BC-1396	2077310.5	13822123.48	WDT	SCS_24h_Type_II_Xyr*	J1396	4.5	321.517	609.672	4.217	25	0.01	0.1	0.05	0.05	25	PERVIOUS	16.064	12.1	0.014	21.8
CC-J1350_2	2080588.696	13822429.07	WDT	SCS_24h_Type_II_Xyr*	J1350	4.73	237.151	868.808	3.193	24.14	0.01	0.1	0.05	0.05	25	PERVIOUS	12.371	11.4	0.02	22.8
CC-J1344	2081144.629	13822261.37	WDT	SCS_24h_Type_II_Xyr*	J1344	4.81	245.58	853.179	7.106	0.5	0.01	0.1	0.05	0.05	25	PERVIOUS	0.5	10.8	0.019	22.7
BC-1420	2077674.459	13821955.81	WDT	SCS_24h_Type_II_Xyr*	J1420	7.87	583.134	587.888	9.387	18.34	0.01	0.1	0.05	0.05	25	PERVIOUS	9.007	11.8	0.017	22.2
CC-J127_6	2084549.357	13822095.11	WDT	SCS_24h_Type_II_Xyr*	J127	4.27	501.784	370.68	0.909	7.46	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-7	2077129.796	13822123.65	WDT	SCS_24h_Type_II_Xyr*	J7	2.72	171.29	691.711	7.817	15.35	0.01	0.1	0.05	0.05	25	PERVIOUS	0	12.2	0.013	21.6
CC-J82	2085255.896	13821458.96	WDT	SCS_24h_Type_II_Xyr*	J82	10.72	1292.931	361.166	1.058	4.18	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-1385_1	2076430.491	13822220.77	WDT	SCS_24h_Type_II_Xyr*	J1385	5.49	741.827	322.372	2.813	12.23	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3	0.01	21.1
UT-13042417_1	2089202.85	13821700.13	WDT	SCS_24h_Type_II_Xyr*	M13042417	11.21	620.788	786.593	2.019	4.88	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.9	0.01	21
UT-11042417_2	2088746.096	13822003.11	WDT	SCS_24h_Type_II_Xyr*	M11042417	2.91	175.755	721.229	1.884	2.84	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-1354_2	2078307.202	13822192.71	WDT	SCS_24h_Type_II_Xyr*	J1354	6.2	1097.481	246.084	9.798	14.13	0.01	0.1	0.05	0.05	25	PERVIOUS	5.027	11.6	0.018	22.5
PO-2722	2082632.03	13822117.16	WDT	SCS_24h_Type_II_Xyr*	J2722	7.98	413.585	840.477	3.807	4.28	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.2	0.02	22.7
BC-1309	2075194.001	13822163.25	WDT	SCS_24h_Type_II_Xyr*	J1309	3.97	269.808	640.949	3.57	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.8	0.011	21.3
PO-1371	2083264.479	13821889.15	WDT	SCS_24h_Type_II_Xyr*	J1371	9.26	593.208	679.973	9.223	4.03	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.9	0.017	22.3
UT-1398_1	2086984.986	13822136.06	WDT	SCS_24h_Type_II_Xyr*	J1398	3.37	450.032	326.193	3.932	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.8	0.01	21
CC-J1426_1	2080633.984	13822117.79	WDT	SCS_24h_Type_II_Xyr*	J1426	5.88	292.44	875.847	2.624	28.11	0.01	0.1	0.05	0.05	25	PERVIOUS	12.316	11.4	0.02	22.8
CC-J1362	2080365.19	13821958.94	WDT	SCS_24h_Type_II_Xyr*	J1362	4.06	197.61	894.963	3.015	20.24	0.01	0.1	0.05	0.05	25	PERVIOUS	6.33	11.4	0.02	22.8
UT-11042417_3	2088743.289	13821866.09	WDT	SCS_24h_Type_II_Xyr*	M11042417	3.46	130.341	1156.333	2.028	19.66	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.6	0.01	21
BC-5	2078839.212	13821965.83	WDT	SCS_24h_Type_II_Xyr*	J5	3.67	598.803	266.975	13.678	6	0.01	0.1	0.05	0.05	25	PERVIOUS	6	11.3	0.022	23.2
CC-J1435	2081639.138	13821653.47	WDT	SCS_24h_Type_II_Xyr*	J1435	8.47	423.585	871.025	7.874	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
BC-1377_2	2079381.142	13821912.97	WDT	SCS_24h_Type_II_Xyr*	J1377	4.08	263.688	673.997	23.935	1.89	0.01	0.1	0.05	0.05	25	PERVIOUS	1.885	11.1	0.028	24.1
BC-1428_1	2080013.044	13821825.61	WDT	SCS_24h_Type_II_Xyr*	J1428	4.07	181.994	974.149	3.281	12.53	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
BC-2934	2078089.012	13821849.9	WDT	SCS_24h_Type_II_Xyr*	J2934	4.15	383.87	470.925	12.777	12.35	0.01	0.1	0.05	0.05	25	PERVIOUS	4.552	11.4	0.02	22.8
BC-1430	2079713.972	13821845.8	WDT	SCS_24h_Type_II_Xyr*	J1430	3.28	298.254	479.044	17.161	12.4	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.3	0.022	23.1
UT-1369_1	2086405.35	13821935.89	WDT	SCS_24h_Type_II_Xyr*	J1369	3.32	182.462	792.599	1.534	5.54	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1369_2	2086118.61	13821823.95	WDT	SCS_24h_Type_II_Xyr*	J1369	3.02	285.505	460.767	1.69	11.06	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-1398_2	2086790.725	13821743.93	WDT	SCS_24h_Type_II_Xyr*	J1398	9.3	275.633	1469.737	2.212	8.85	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J127_7	2084332.347	13821617.16	WDT	SCS_24h_Type_II_Xyr*	J127	13.49	414.424	1417.93	0.957	9.69	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-21	2082398.19	13821887.68	WDT	SCS_24h_Type_II_Xyr*	J21	2.54	244.791	451.987	3.348	10.46	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
BC-1390	2075618.363	13821989.11	WDT	SCS_24h_Type_II_Xyr*	J1390	3.44	230.15	651.081	2.698	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-1480_1	2082179.081	13821522.42	WDT	SCS_24h_Type_II_Xyr*	J1480	5.79	387.372	651.086	2.355	7.47	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
UT-13042417_2	2088587.423	13821390.94	WDT	SCS_24h_Type_II_Xyr*	M13042417	3.18	330.343	419.324	3.302	5.26	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.9	0.01	21
BC-1392_2	2076570.033	13821878.13	WDT	SCS_24h_Type_II_Xyr*	J1392	1.21	308.418	170.897	3.618	24.67	0.01	0.1	0.05	0.05	25	PERVIOUS	22.905	3.7	0.011	21.2
UT-11042417_4	2088577.875	13821579.75	WDT	SCS_24h_Type_II_Xyr*	M11042417	3.66	538.405	296.115	2.577	7.19	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5	0.01	21
BC-3024_1	2078908.191	13821802.32	WDT	SCS_24h_Type_II_Xyr*	J3024	2.08	384.355	235.732	22.635	0.29	0.01	0.1	0.05	0.05	25	PERVIOUS	0.286	10.8	0.036	25.4

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
PO-1480_2	2082549.05	13821417.51	WDT	SCS_24h_Type_II_Xyr*	J1480	9.11	786.118	504.799	7.434	6.48	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
BC-2795	2076913.465	13821591.57	WDT	SCS_24h_Type_II_Xyr*	J2795	6.32	668.379	411.891	3.636	13.69	0.01	0.1	0.05	0.05	25	PERVIOUS	1.361	11.4	0.02	22.8
CC-J80_4	2085810.363	13821689.14	WDT	SCS_24h_Type_II_Xyr*	J80	4.36	788.982	240.717	1.092	14.24	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-1482	2078366.916	13821773.29	WDT	SCS_24h_Type_II_Xyr*	J1482	3.23	385.235	365.228	4.586	0.57	0.01	0.1	0.05	0.05	25	PERVIOUS	0.571	11.4	0.02	22.8
BC-1475_1	2077278.465	13821515.56	WDT	SCS_24h_Type_II_Xyr*	J1475	3.97	532.68	324.647	4.938	21.19	0.01	0.1	0.05	0.05	25	PERVIOUS	15.605	11.4	0.02	22.8
BC-1392_3	2076094.035	13821733.33	WDT	SCS_24h_Type_II_Xyr*	J1392	5.18	217.18	1038.958	6.588	14.81	0.01	0.1	0.05	0.05	25	PERVIOUS	10.875	7.1	0.015	21.9
PO-1446_1	2083522.484	13821481.54	WDT	SCS_24h_Type_II_Xyr*	J1446	9.52	448.228	925.179	2.985	12.09	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.9	0.015	21.9
UT-84_1	2089311.816	13821338.23	WDT	SCS_24h_Type_II_Xyr*	J84	2.59	202.275	557.758	1.966	0.93	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.5	0.01	21
BC-1463	2080603.611	13821126.59	WDT	SCS_24h_Type_II_Xyr*	J1463	8.93	356.233	1091.956	5.741	16.9	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
UT-41042417_1	2088046.14	13821320.67	WDT	SCS_24h_Type_II_Xyr*	M41042417	2.93	627.132	203.515	3.902	14.36	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.3	0.01	21
BC-1428_2	2080195.217	13821467.47	WDT	SCS_24h_Type_II_Xyr*	J1428	2.84	250.831	493.202	4.089	25.15	0.01	0.1	0.05	0.05	25	PERVIOUS	10.506	11.4	0.02	22.8
CC-J1426_2	2080700.801	13821687.54	WDT	SCS_24h_Type_II_Xyr*	J1426	2.43	341.404	310.046	2.825	22.82	0.01	0.1	0.05	0.05	25	PERVIOUS	9.192	11.4	0.02	22.8
CC-MASJ1365_2	2077987.234	13826404.04	WDT	SCS_24h_Type_II_Xyr*	MASJ1365	2.69	257.544	454.976	3.86	3.117	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-2706	2079326.803	13821470.34	WDT	SCS_24h_Type_II_Xyr*	J2706	4.51	491.956	399.336	5.929	0.35	0.01	0.1	0.05	0.05	25	PERVIOUS	0.35	11	0.025	23.8
BC-1432	2076516.346	13821633.95	WDT	SCS_24h_Type_II_Xyr*	J1432	3.82	388.492	428.321	2.892	11.12	0.01	0.1	0.05	0.05	25	PERVIOUS	0.035	8.5	0.017	22.2
BC-3024_2	2078985.95	13821536.97	WDT	SCS_24h_Type_II_Xyr*	J3024	3.8	243.837	678.847	10.132	0.56	0.01	0.1	0.05	0.05	25	PERVIOUS	0.556	10.1	0.03	25
UT-123	2087429.121	13821502.66	WDT	SCS_24h_Type_II_Xyr*	J123	4.32	401.706	468.45	3.908	9.04	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.2	0.01	21
CC-J1422	2081249.098	13821679.3	WDT	SCS_24h_Type_II_Xyr*	J1422	1.17	200.661	253.987	8.633	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
PO-1480_3	2082978.363	13821227.63	WDT	SCS_24h_Type_II_Xyr*	J1480	4.04	356.758	493.282	4.713	4.67	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
BC-1478_1	2078428.317	13821211.14	WDT	SCS_24h_Type_II_Xyr*	J1478	4.25	298.541	620.116	9.727	0.9	0.01	0.1	0.05	0.05	25	PERVIOUS	0.9	10.9	0.031	24.7
BC-1469_1	2078154.473	13821281.6	WDT	SCS_24h_Type_II_Xyr*	J1469	5.92	307.602	838.34	5.221	1.08	0.01	0.1	0.05	0.05	25	PERVIOUS	1.077	11.4	0.02	22.8
BC-1478_2	2078749.684	13821124.94	WDT	SCS_24h_Type_II_Xyr*	J1478	7.16	444.347	701.905	5.349	1	0.01	0.1	0.05	0.05	25	PERVIOUS	1	8.7	0.04	27.4
CC-J1426_3	2081055.112	13821445.66	WDT	SCS_24h_Type_II_Xyr*	J1426	4.44	256.204	754.892	11.256	1.84	0.01	0.1	0.05	0.05	25	PERVIOUS	0.181	11.4	0.02	22.8
BC-1475_2	2077507.291	13821349.55	WDT	SCS_24h_Type_II_Xyr*	J1475	2.88	338.693	370.403	11.234	8.21	0.01	0.1	0.05	0.05	25	PERVIOUS	8.214	11.4	0.02	22.8
UT-131	2087318.152	13821311.74	WDT	SCS_24h_Type_II_Xyr*	J131	9.26	499.115	808.162	2.202	6.23	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.7	0.01	21
BC-1465_1	2076381.06	13821062.17	WDT	SCS_24h_Type_II_Xyr*	J1465	7.15	421.089	739.639	6.503	6.29	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
BC-2732_1	2079894.302	13821260.63	WDT	SCS_24h_Type_II_Xyr*	J2732	2.78	398.243	304.078	23.45	13.67	0.01	0.1	0.05	0.05	25	PERVIOUS	13.651	11.2	0.026	23.8
BC-1504	2080445.72	13821103.46	WDT	SCS_24h_Type_II_Xyr*	J1504	3.02	229.072	574.279	4.055	4.8	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
BC-2732_2	2080248.707	13821154.43	WDT	SCS_24h_Type_II_Xyr*	J2732	3.51	533.156	286.775	8.143	8.61	0.01	0.1	0.05	0.05	25	PERVIOUS	2.396	11.4	0.02	22.8
CC-J124_1	2084737.339	13820995.01	WDT	SCS_24h_Type_II_Xyr*	J124	13.47	1165.884	503.269	1.529	4.68	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J80_5	2085724.727	13821598.72	WDT	SCS_24h_Type_II_Xyr*	J80	4.01	321.319	543.621	0.963	2.91	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-1480_4	2082146.899	13821160.98	WDT	SCS_24h_Type_II_Xyr*	J1480	5.16	498.012	451.334	1.387	6.85	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
UT-2740_1	2086872.515	13821094.47	WDT	SCS_24h_Type_II_Xyr*	J2740	5.59	244.345	996.543	1.084	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
PO-1510_1	2082289.7	13820548.4	WDT	SCS_24h_Type_II_Xyr*	J1510	11.85	401.308	1286.259	2.211	3.27	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
UT-1484_1	2086812.226	13820874.38	WDT	SCS_24h_Type_II_Xyr*	J1484	4.63	644.355	313	1.532	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-30	2079603.544	13821349.3	WDT	SCS_24h_Type_II_Xyr*	J30	3.1	256.099	527.28	14.217	6	0.01	0.1	0.05	0.05	25	PERVIOUS	5.999	11.2	0.024	23.5
UT-1484_2	2086284.144	13821187.69	WDT	SCS_24h_Type_II_Xyr*	J1484	2.8	232.972	523.531	0.975	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-1475_3	2076850.63	13821147.41	WDT	SCS_24h_Type_II_Xyr*	J1475	5.33	387.03	599.888	4.757	14.88	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
BC-1469_2	2077705.05	13821239	WDT	SCS_24h_Type_II_Xyr*	J1469	2.53	273.127	403.5	8.445	1	0.01	0.1	0.05	0.05	25	PERVIOUS	1	11.4	0.02	22.8
CC-J3025_1	2081279.288	13820715.79	WDT	SCS_24h_Type_II_Xyr*	J3025	7.93	474.737	727.626	10.2	0.53	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
UT-84_2	2089580.432	13821071.66	WDT	SCS_24h_Type_II_Xyr*	J84	10.39	664.105	681.501	2.137	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11	0.01	21
CC-J1452	2081538.766	13821024.85	WDT	SCS_24h_Type_II_Xyr*	J1452	4.77	445.317	466.592	5.151	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
UT-41042417_2	2087758.146	13820639.72	WDT	SCS_24h_Type_II_Xyr*	M41042417	6.59	305.86	938.535	2.333	5.22	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.9	0.01	21
PO-1446_2	2083481.219	13821024.86	WDT	SCS_24h_Type_II_Xyr*	J1446	4.02	647.237	270.552	4.307	9.67	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
UT-12042417	2088288.82	13820932.54	WDT	SCS_24h_Type_II_Xyr*	M12042417	6.52	672.941	422.045	3.97	6.72	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.5	0.01	21
BC-2732_3	2079748.786	13820998.1	WDT	SCS_24h_Type_II_Xyr*	J2732	2.93	406.723	313.803	5.611	0.62	0.01	0.1	0.05	0.05	25	PERVIOUS	0.615	11.1	0.028	24.1
BC-1469_3	2077811.52	13821032.14	WDT	SCS_24h_Type_II_Xyr*	J1469	3.04	547.185	242.007	3.288	1	0.01	0.1	0.05	0.05	25	PERVIOUS	1	11.4	0.02	22.8
PO-1500	2083860.15	13820877.87	WDT	SCS_24h_Type_II_Xyr*	J1500	5.9	571.77	449.488	7.581	10.21	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.4	0.012	21.4
PO-1454	2083103.382	13820695.97	WDT	SCS_24h_Type_II_Xyr*	J1454	9.15	636.872	625.831	8.519	2.46	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
UT-18042417	2088719.587	13821023.88	WDT	SCS_24h_Type_II_Xyr*	M18042417	2.45	167.284	637.969	5.82	8.65	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.3	0.01	21
CC-J124_2	2084317.936	13820951.69	WDT	SCS_24h_Type_II_Xyr*	J124	3.64	298.123	531.856	1.541	13.19	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
BC-31	2079512.401	13820742.56	WDT	SCS_24h_Type_II_Xyr*	J31	10.77	560.342	837.241	4.285	15.51	0.01	0.1	0.05	0.05	25	PERVIOUS	15.51	9.9	0.03	25.1
UT-19042417_1	2089045.468	13820759.8	WDT	SCS_24h_Type_II_Xyr*	M19042417	5.37	402.529	581.119	3.562	8.18	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.1	0.01	21
BC-1465_2	2076331.048	13820797.33	WDT	SCS_24h_Type_II_Xyr*	J1465	3.4	266.857	554.994	1.796	16.21	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
UT-2740_2	2087430.853	13820772.01	WDT	SCS_24h_Type_II_Xyr*	J2740	6.73	547.919	535.04	2.073	0.39	0.01	0.1	0.05	0.05	25	PERVIOUS	0.387	2.5	0.01	21
BC-2723_1	2077177.635	13820855.99	WDT	SCS_24h_Type_II_Xyr*	J2723	4.77	436.704	475.794	3.779	1	0.01	0.1	0.05	0.05	25	PERVIOUS	1	11.4	0.02	22.8
CC-J2907	2085673.514	13820855.95	WDT	SCS_24h_Type_II_Xyr*	J2907	5.26	407.723	561.964	1.031	0.08	0.01	0.1	0.05	0.05	25	PERVIOUS	0.083	2.5	0.01	21
UT-1484_3	2086388.424	13820932.82	WDT	SCS_24h_Type_II_Xyr*	J1484	3.05	378.173	351.315	1.288	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-19042417_2	2088402.689	13820453.93	WDT	SCS_24h_Type_II_Xyr*	M19042417	13.16	765.195	749.155	3.605	2.87	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.2	0.01	21
BC-2781	2078721.81	13820646.26	WDT	SCS_24h_Type_II_Xyr*	J2781	7.44	812.815	398.721	7.238	2.23	0.01	0.1	0.05	0.05	25	PERVIOUS	1.376	9.7	0.034	25.8
BC-2732_4	2080069.397	13820819.04	WDT	SCS_24h_Type_II_Xyr*	J2732	0.9	193.169	202.952	7.144	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.021	23
CC-J124_3	2084731.437	13820742.36	WDT	SCS_24h_Type_II_Xyr*	J124	4.17	588.213	308.809	1.811	9.99	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-2723_2	2077612.303	13820738.84	WDT	SCS_24h_Type_II_Xyr*	J2723	3.43	427.701	349.335	5.016	1	0.01	0.1	0.05	0.05	25	PERVIOUS	1	11.4	0.02	22.8
CC-J1544_1	2086094.48	13820445.47	WDT	SCS_24h_Type_II_Xyr*	J1544	5.25	258.177	885.788	3.18	3.25	0.01	0.1	0.05	0.05	25	PERVIOUS	3.215	2.5	0.01	21
CC-J1544_2	2085939	13820650.8	WDT	SCS_24h_Type_II_Xyr*	J1544	2.96	240.702	535.673	3.432	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-2937	2080777.899	13820510.6	WDT	SCS_24h_Type_II_Xyr*	J2937	6.04	478.275	550.107	4.144	9.72	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
BC-3023	2080438.343	13820451.16	WDT	SCS_24h_Type_II_Xyr*	J3023	5.4	550.276	427.465	7.401	0.54	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.3	0.023	23.4
BC-1538_1	2078017.911	13820677.77	WDT	SCS_24h_Type_II_Xyr*	J1538	2.94	447.441	286.22	5.678	1	0.01	0.1	0.05	0.05	25	PERVIOUS	1	11.4	0.02	22.8
PO-3004_1	2083725.168	13820407.14	WDT	SCS_24h_Type_II_Xyr*	J3004	6.54	534.802	532.688	13.91	1.67	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.5	0.016	22
CC-J1536_1	2081573.802	13820607.91	WDT	SCS_24h_Type_II_Xyr*	J1536	3.43	362.002	412.735	3.405	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
PO-1553	2082853.728	13820470.75	WDT	SCS_24h_Type_II_Xyr*	J1553	7.33	558.395	571.808	1.947	3.37	0.01	0.1	0.05	0.05	25	PERVIOUS	1.571	11.4	0.02	22.8
CC-J1527	2085625.015	13820419.76	WDT	SCS_24h_Type_II_Xyr*	J1527	3.58	462.292	337.33	1.795	8.93	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1584_1	2086420.512	13820335.81	WDT	SCS_24h_Type_II_Xyr*	J1584	3.81	369.108	449.634	2.487	19.05	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-1525	2077035.413	13820516.07	WDT	SCS_24h_Type_II_Xyr*	J1525	6.55	353.346	807.475	3.86	0.83	0.01	0.1	0.05	0.05	25	PERVIOUS	0.833	11.4	0.02	22.8
CC-J2699_1	2084302.296	13820486.58	WDT	SCS_24h_Type_II_Xyr*	J2699	5.68	485.845	509.259	1.846	1.17	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-1590_1	2079185.871	13820308.21	WDT	SCS_24h_Type_II_Xyr*	J1590	6.45	410.988	683.626	4.258	7	0.01	0.1	0.05	0.05	25	PERVIOUS	3.203	5.5	0.026	24.5
CC-J1536_2	2081740.689	13820419.4	WDT	SCS_24h_Type_II_Xyr*	J1536	2.83	307.535	400.848	2.475	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
UT-2740_3	2086785.982	13820581.2	WDT	SCS_24h_Type_II_Xyr*	J2740	2.88	296.665	422.877	3.784	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-20042417_1	2089663.493	13820318.23	WDT	SCS_24h_Type_II_Xyr*	M20042417	10.58	570.155	808.315	1.596	3.43	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.8	0.01	21
UT-19042417_3	2089172.854	13820548.52	WDT	SCS_24h_Type_II_Xyr*	M19042417	2.47	192.077	560.157	4.05	10.9	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.6	0.01	21
CC-J3025_2	2081163.508	13820094.34	WDT	SCS_24h_Type_II_Xyr*	J3025	4.99	277.978	781.948	11.975	7.34	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.8	0.044	23.6
BC-1538_2	2077965.647	13820339.07	WDT	SCS_24h_Type_II_Xyr*	J1538	9	533.083	735.42	4.758	1.05	0.01	0.1	0.05	0.05	25	PERVIOUS	1.049	11.4	0.02	22.8
CC-J1584_2	2086667.226	13820252.91	WDT	SCS_24h_Type_II_Xyr*	J1584	2.74	328.4	363.442	2.423	3.33	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT-20042417_2	2089078.463	13820291.05	WDT	SCS_24h_Type_II_Xyr*	M20042417	3.35	444.806	328.067	4.857	3.13	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8	0.01	21
BC-1560	2079691.949	13820150.47	WDT	SCS_24h_Type_II_Xyr*	J1560	4.25	382.261	484.303	3.892	7.24	0.01	0.1	0.05	0.05	25	PERVIOUS	7.238	7.2	0.016	22.1
PO-1510_2	2082347.157	13820053.52	WDT	SCS_24h_Type_II_Xyr*	J1510	8.9	523.818	740.112	1.389	8.77	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
CC-J2699_2	2084770.715	13820356.22	WDT	SCS_24h_Type_II_Xyr*	J2699	4.34	454.598	415.863	2.285	15.94	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1584_3	2086716.783	13819976.01	WDT	SCS_24h_Type_II_Xyr*	J1584	4.58	231.674	861.145	2.536	20.48	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1601	2087050.69	13820077.76	WDT	SCS_24h_Type_II_Xyr*	J1601	5.3	388.246	594.644	2.677	6.58	0.01	0.1	0.05	0.05	25	PERVIOUS	1.243	2.5	0.01	21
BC-1571_1	2080054.698	13820074.8	WDT	SCS_24h_Type_II_Xyr*	J1571	3.57	513.694	302.727	3.09	1.33	0.01	0.1	0.05	0.05	25	PERVIOUS	1.333	10.7	0.022	23.1
BC-1567_1	2078533.756	13820089.7	WDT	SCS_24h_Type_II_Xyr*	J1567	4.57	523.23	380.462	6.45	4.86	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.9	0.021	22.9
BC-1567_2	2078757.837	13819992.75	WDT	SCS_24h_Type_II_Xyr*	J1567	3.47	241.001	627.189	9.387	10.47	0.01	0.1	0.05	0.05	25	PERVIOUS	6.531	5.9	0.021	23.1
BC-1593_1	2077401.954	13820028.16	WDT	SCS_24h_Type_II_Xyr*	J1593	4.01	331.14	527.498	4.413	1	0.01	0.1	0.05	0.05	25	PERVIOUS	1	11.4	0.02	22.8
BC-2973_1	2076383.862	13820206.62	WDT	SCS_24h_Type_II_Xyr*	J2973	7.41	321.356	1004.43	11.029	4.66	0.01	0.1	0.05	0.05	25	PERVIOUS	4.249	9.9	0.106	26
BC-1542	2080871.238	13820084.67	WDT	SCS_24h_Type_II_Xyr*	J1542	3.22	405.931	345.535	6.532	14.6	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
CC-J1588_1	2085744.508	13819743.66	WDT	SCS_24h_Type_II_Xyr*	J1588	6.62	246.768	1168.576	1.597	6.39	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.8	0.014	21.7
BC-1571_2	2079733.624	13820074.99	WDT	SCS_24h_Type_II_Xyr*	J1571	3.14	404.61	338.05	5.164	4.57	0.01	0.1	0.05	0.05	25	PERVIOUS	4.571	6.6	0.015	21.8
BC-2973_2	2077071.563	13820144.1	WDT	SCS_24h_Type_II_Xyr*	J2973	3.67	336.429	475.183	5.41	0.29	0.01	0.1	0.05	0.05	25	PERVIOUS	0.294	11.4	0.02	22.8
CC-J2699_3	2084300.208	13820139.09	WDT	SCS_24h_Type_II_Xyr*	J2699	3.21	481.431	290.442	3.237	15.22	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1619	2087318.275	13820036.48	WDT	SCS_24h_Type_II_Xyr*	J1619	2.8	236.585	515.536	2.393	0.46	0.01	0.1	0.05	0.05	25	PERVIOUS	0.19	2.5	0.01	21
BC-1615	2076789.331	13820108.27	WDT	SCS_24h_Type_II_Xyr*	J1615	0.61	165.664	160.395	10.875	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.2	0.025	23.5
CC-J1597_1	2085994.798	13820066.55	WDT	SCS_24h_Type_II_Xyr*	J1597	3.16	203.86	675.216	2.22	26.51	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
CC-J1647	2084831.666	13819779.19	WDT	SCS_24h_Type_II_Xyr*	J1647	11.67	677.37	750.469	5.355	3.38	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.2	0.012	21.3
PO-2900_1	2083125.407	13819654.13	WDT	SCS_24h_Type_II_Xyr*	J2900	6.69	587.741	495.825	1.011	4.1	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
PO-3004_2	2083435.093	13820070.6	WDT	SCS_24h_Type_II_Xyr*	J3004	2.64	313.034	367.367	7.888	20.43	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.3	0.02	22.8
UT-20042417_3	2088311.451	13820089.47	WDT	SCS_24h_Type_II_Xyr*	M20042417	3.55	211.645	730.648	3.11	4.98	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.2	0.01	21
CC-J3025_3	2081614.507	13819911.1	WDT	SCS_24h_Type_II_Xyr*	J3025	7.15	450.615	691.175	5.364	1.04	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
PO-1613_1	2083932.016	13819782.92	WDT	SCS_24h_Type_II_Xyr*	J1613	5.19	291.831	774.683	7.251	6.35	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.1	0.016	22.1
BC-33	2080454.17	13819959.65	WDT	SCS_24h_Type_II_Xyr*	J33	3.46	321.344	469.023	8.146	0.79	0.01	0.1	0.05	0.05	25	PERVIOUS	0.786	11	0.032	24.7
UT-21042417_1	2088198.746	13819873.63	WDT	SCS_24h_Type_II_Xyr*	M21042417	4.15	204.874	882.367	3.175	6.66	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.9	0.01	21
CC-J74_1	2087526.773	13819300.16	WDT	SCS_24h_Type_II_Xyr*	J74	7.11	271.263	1141.739	2.781	3.24	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.3	0.017	22.2
BC-1590_2	2078995.835	13819892.69	WDT	SCS_24h_Type_II_Xyr*	J1590	2.9	285.523	442.43	3.297	20.81	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3	0.01	21
CC-J1653_1	2087335.192	13819459.06	WDT	SCS_24h_Type_II_Xyr*	J1653	7.1	317.571	973.88	2.523	15.45	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.5	0.014	21.8
BC-11_1	2076187.297	13819996.85	WDT	SCS_24h_Type_II_Xyr*	J11	2.5	222.355	489.757	6.411	1.82	0.01	0.1	0.05	0.05	25	PERVIOUS	1.818	9.3	0.125	28.1
BC-1609	2077905.573	13819909.51	WDT	SCS_24h_Type_II_Xyr*	J1609	6.66	360.417	804.928	4.759	0.69	0.01	0.1	0.05	0.05	25	PERVIOUS	0.688	11.4	0.02	22.8
PO-1633_1	2082075.461	13819766.24	WDT	SCS_24h_Type_II_Xyr*	J1633	1.81	215.307	366.192	3.411	4.65	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
BC-1629	2079213.338	13819739.65	WDT	SCS_24h_Type_II_Xyr*	J1629	4.35	818.128	231.609	4.487	12.14	0.01	0.1	0.05	0.05	25	PERVIOUS	12.143	3.6	0.01	21
CC-J1627_1	2084457.914	13819535.03	WDT	SCS_24h_Type_II_Xyr*	J1627	5.72	294.186	846.958	3.417	2.12	0.01	0.1	0.05	0.05	25	PERVIOUS	1.837	8.4	0.017	22.2
UT-28042417	2090008.742	13819293.32	WDT	SCS_24h_Type_II_Xyr*	M28042417	6.86	258.544	1155.786	2.416	2.77	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.6	0.012	21.3
UT-29042417	2090262.532	13819317.49	WDT	SCS_24h_Type_II_Xyr*	M29042417	9.43	208.155	1973.389	2.47	3.22	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11	0.011	21.2
CC-J1597_2	2086537.019	13819483.26	WDT	SCS_24h_Type_II_Xyr*	J1597	9.19	524.72	762.914	3.894	8.84	0.01	0.1	0.05	0.05	25	PERVIOUS	2.309	6.5	0.014	21.8
CC-J76_1	2087890.83	13819415.87	WDT	SCS_24h_Type_II_Xyr*	J76	5.42	283.213	833.631	3.445	13.9	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.8	0.015	21.9
UT-27042417_1	2089926.008	13819545.59	WDT	SCS_24h_Type_II_Xyr*	M27042417	7.72	294.843	1140.55	3.14	5.89	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.7	0.011	21.1
BC-11_2	2076012.624	13819225.15	WDT	SCS_24h_Type_II_Xyr*	J11	14.65	672.38	949.097	1.689	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.2	0.015	22
BC-11_3	2076416.174	13819682.23	WDT	SCS_24h_Type_II_Xyr*	J11	3.13	217.984	625.472	2.62	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.4	0.021	23
UT-21042417_2	2089205.195	13819943.61	WDT	SCS_24h_Type_II_Xyr*	M21042417	3.61	234.393	670.889	4.287	5.19	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.8	0.01	21
PO-36	2083445.262	13819694.44	WDT	SCS_24h_Type_II_Xyr*	J36	5	272.023	800.668	5.108	2	0.01	0.1	0.05	0.05	25	PERVIOUS	1.186	11.4	0.02	22.8
UT-21042417_3	2088456.021	13819949.8	WDT	SCS_24h_Type_II_Xyr*	M21042417	1.93	187.076	449.394	4.141	0.54	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.7	0.01	21
CC-J1588_2	2086117.221	13819576.98	WDT	SCS_24h_Type_II_Xyr*	J1588	3.99	210.827	824.393	2.739	4.22	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.5	0.014	21.8
PO-1613_2	2084189.145	13819369.72	WDT	SCS_24h_Type_II_Xyr*	J1613	2.75	185.827	644.632	3.36	2.6	0.01	0.1	0.05	0.05	25	PERVIOUS	2.6	10.9	0.019	22.7
CC-J1623	2085474.38	13819559.74	WDT	SCS_24h_Type_II_Xyr*	J1623	5.64	307.625	798.63	2.969	5.53	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.8	0.014	21.7
BC-1593_2	2077055.609	13819777.85	WDT	SCS_24h_Type_II_Xyr*	J1593	3.42	580.854	256.476	8.662	0.06	0.01	0.1	0.05	0.05	25	PERVIOUS	0.062	11.1	0.028	24.2
BC-32	2079783.827	13819716.79	WDT	SCS_24h_Type_II_Xyr*	J32	2.5	219.468	496.2	7.289	10.83	0.01	0.1	0.05	0.05	25	PERVIOUS	7.282	3.2	0.011	21.1
PO-1633_2	2082491.812	13819551.82	WDT	SCS_24h_Type_II_Xyr*	J1633	6.18	264.333	1018.415	1.566	13.84	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
UT-23042417_1	2089202.156	13819556.52	WDT	SCS_24h_Type_II_Xyr*	M23042417	3.93	326.504	524.315	4.037	3.64	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.8	0.016	22.1
UT-27042417_2	2089503.324	13819181.72	WDT	SCS_24h_Type_II_Xyr*	M27042417	3.99	160.386	1083.663	3.373	2.1	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.8	0.012	21.4
CC-J1660	2084996.998	13819441.98	WDT	SCS_24h_Type_II_Xyr*	J1660	3.47	796.339	189.81	2.324	2	0.01	0.1	0.05	0.05	25	PERVIOUS	1.897	7.7	0.016	22
CC-J1653_2	2087087.784	13819504.41	WDT	SCS_24h_Type_II_Xyr*	J1653	4.63	256.018	787.768	3.31	5.87	0.01	0.1	0.05	0.05	25	PERVIOUS	0.355	4.5	0.012	21.4
BC-1625	2076631.364	13819620.33	WDT	SCS_24h_Type_II_Xyr*	J1625	4.35	249.141	760.557	2.025	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.7	0.02	22.8
CC-J74_2	2087736.906	13819196.92	WDT	SCS_24h_Type_II_Xyr*	J74	3.18	204.108	678.664	2.419	1.78	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.2	0.017	22.3
UT-25042417	2089355.312	13819277.28	WDT	SCS_24h_Type_II_Xyr*	M25042417	3.42	161.683	921.403	3.239	1.69	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.8	0.014	21.8
BC-1662_1	2080771.897	13819419.56	WDT	SCS_24h_Type_II_Xyr*	J1662	8.82	446.117	861.207	8.763	0.55	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.3	0.147	27.8
UT-26042417	2089439.969	13819210.73	WDT	SCS_24h_Type_II_Xyr*	M26042417	2.85	186.484	665.719	4.018	2.69	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.3	0.012	21.4
BC-1635	2078372.355	13819604.98	WDT	SCS_24h_Type_II_Xyr*	J1635	4.95	407.57	529.043	7.341	10.01	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5	0.017	22.2
CC-J9	2085582.038	13819122.41	WDT	SCS_24h_Type_II_Xyr*	J9	5.91	321.337	801.151	2.104	7.26	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.5	0.018	22.4
UT-22042417	2089000.917	13819688.62	WDT	SCS_24h_Type_II_Xyr*	M22042417	2.7	300.315	391.629	5.155	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.1	0.013	21.5
UT-24042417	2089111.897	13819269.53	WDT	SCS_24h_Type_II_Xyr*	M24042417	5.99	471.415	553.492	3.149	7.81	0.01	0.1	0.05	0.05	25	PERVIOUS	5.511	10.3	0.016	22.1
BC-1683	2080182.699	13819476.09	WDT	SCS_24h_Type_II_Xyr*	J1683	10.51	585.122	782.428	5.835	6.11	0.01	0.1	0.05	0.05	25	PERVIOUS	2.312	7	0.016	22
CC-J76_2	2088100.002	13819097.81	WDT	SCS_24h_Type_II_Xyr*	J76	3.65	189.219	840.264	6.344	17.4	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.6	0.013	21.6
PO-1637	2082081.376	13819415.45	WDT	SCS_24h_Type_II_Xyr*	J1637	5.85	277.162	919.412	2.82	17.07	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.8	0.055	24
PO-1673	2083723.284	13819351.18	WDT	SCS_24h_Type_II_Xyr*	J1673	5.98	651.816	399.635	3.46	0.25	0.01	0.1	0.05	0.05	25	PERVIOUS	0.25	11.4	0.02	22.8
UT-21042417_4	2088445.793	13819632.35	WDT	SCS_24h_Type_II_Xyr*	M21042417	3.93	214.48	798.167	2.907	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.8	0.01	21
BC-2968	2078010.109	13819482.77	WDT	SCS_24h_Type_II_Xyr*	J2968	5.12	340.15	655.673	10.557	9.4	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.5	0.021	22.9

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
CC-J1627_2	2085284.225	13819511.62	WDT	SCS_24h_Type_II_Xyr*	J1627	4.45	206.642	938.057	4.279	3.5	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.9	0.013	21.5
BC-1645_1	2079115.806	13819419.44	WDT	SCS_24h_Type_II_Xyr*	J1645	5.03	370.951	590.662	2.965	7.81	0.01	0.1	0.05	0.05	25	PERVIOUS	1.636	10.6	0.01	21
PO-2726	2082911.606	13819383.62	WDT	SCS_24h_Type_II_Xyr*	J2726	2.78	581.971	208.08	0.771	0.95	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
BC-1643	2076666.836	13819363.71	WDT	SCS_24h_Type_II_Xyr*	J1643	2.71	205.466	574.536	1.996	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.5	0.017	22.2
CC-J2869	2081437.534	13819527.28	WDT	SCS_24h_Type_II_Xyr*	J2869	1.87	202.056	403.142	7.328	13.73	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.9	0.048	23.8
CC-J1649	2085758.914	13818974.94	WDT	SCS_24h_Type_II_Xyr*	J1649	4.55	266.117	744.778	1.903	13.55	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.9	0.019	22.7
CC-J2864_1	2081071.066	13818734.64	WDT	SCS_24h_Type_II_Xyr*	J2864	18.99	621.805	1330.328	5.617	0.74	0.01	0.1	0.05	0.05	25	PERVIOUS	0.627	4.1	0.477	34.5
BC-2924	2077299.087	13819516.43	WDT	SCS_24h_Type_II_Xyr*	J2924	2.64	391.064	294.065	10.247	0.23	0.01	0.1	0.05	0.05	25	PERVIOUS	0.231	10.8	0.027	23.9
CC-J1627_3	2084600.505	13819033.56	WDT	SCS_24h_Type_II_Xyr*	J1627	6.51	547.401	518.04	1.243	2.52	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
BC-1729_1	2077968.619	13819227.09	WDT	SCS_24h_Type_II_Xyr*	J1729	6.95	493.15	613.894	2.807	13.74	0.01	0.1	0.05	0.05	25	PERVIOUS	4.174	4.7	0.011	21.2
BC-2797	2076844.937	13819265.59	WDT	SCS_24h_Type_II_Xyr*	J2797	2.94	331.764	386.017	2.126	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.3	0.016	22.1
CC-J1669_1	2081636.348	13819078.73	WDT	SCS_24h_Type_II_Xyr*	J1669	5.7	325.614	762.535	2.958	3.85	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.4	0.428	36.7
UT-23042417_2	2088674.957	13819398.48	WDT	SCS_24h_Type_II_Xyr*	M23042417	3.4	178.998	827.406	3.82	0.31	0.01	0.1	0.05	0.05	25	PERVIOUS	0.312	7.1	0.015	21.9
BC-87	2079597.087	13819096.7	WDT	SCS_24h_Type_II_Xyr*	J87	4.56	569.124	349.016	6.361	16.6	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-2750	2077350.901	13819143.87	WDT	SCS_24h_Type_II_Xyr*	J2750	4.4	608.938	314.751	6.028	0.52	0.01	0.1	0.05	0.05	25	PERVIOUS	0.524	9.5	0.01	21.1
CC-J76_3	2088229.437	13819058.68	WDT	SCS_24h_Type_II_Xyr*	J76	2.54	295.928	373.883	3.476	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.3	0.019	22.6
CC-J76_4	2088467.706	13819109.3	WDT	SCS_24h_Type_II_Xyr*	J76	3.48	424.247	357.313	2.494	4.33	0.01	0.1	0.05	0.05	25	PERVIOUS	4.333	10.6	0.019	22.6
BC-1662_2	2080377.315	13819123.88	WDT	SCS_24h_Type_II_Xyr*	J1662	4.93	470.951	455.994	9.577	0.77	0.01	0.1	0.05	0.05	25	PERVIOUS	0.773	8.4	0.017	22.2
PO-1677_1	2082204.613	13819105.56	WDT	SCS_24h_Type_II_Xyr*	J1677	4.52	283.037	695.638	1.133	3.81	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.3	0.203	29
CC-J1588_3	2086348.745	13819007.57	WDT	SCS_24h_Type_II_Xyr*	J1588	4.83	526.717	399.446	0.949	1.91	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
PO-1677_2	2082745.082	13819097.52	WDT	SCS_24h_Type_II_Xyr*	J1677	3.31	373.52	386.013	0.866	0.23	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.6	0.069	24.5
BC-1704	2077134.743	13819068.94	WDT	SCS_24h_Type_II_Xyr*	J1704	0.91	141.603	279.935	4.637	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	12.3	0.01	21.1
BC-1111	2079036.427	13818993.46	WDT	SCS_24h_Type_II_Xyr*	MASJ1111	4.74	438.566	470.794	2.7	10.08	0.01	0.1	0.05	0.05	25	PERVIOUS	0	12.2	0.01	21
CC-J2898	2086901.613	13818940.67	WDT	SCS_24h_Type_II_Xyr*	J2898	3.93	715.216	239.355	1.488	7.72	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
PO-2900_2	2082959.363	13818913.61	WDT	SCS_24h_Type_II_Xyr*	J2900	3.76	439.958	372.276	0.799	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.1	0.209	29.3
BC-1645_2	2078707.791	13819181.44	WDT	SCS_24h_Type_II_Xyr*	J1645	4.27	273.799	679.335	1.864	2.91	0.01	0.1	0.05	0.05	25	PERVIOUS	2.909	12.4	0.01	21
BC-2885	2080037.425	13818954.94	WDT	SCS_24h_Type_II_Xyr*	J2885	4.44	319.221	605.87	7.279	12.25	0.01	0.1	0.05	0.05	25	PERVIOUS	1.115	2.5	0.01	21
BC-1691_1	2077792.818	13818706.8	WDT	SCS_24h_Type_II_Xyr*	J1691	2.59	231.875	486.557	1.867	15.85	0.01	0.1	0.05	0.05	25	PERVIOUS	8.068	12.6	0.01	21
BC-1679_1	2076830.134	13818403.25	WDT	SCS_24h_Type_II_Xyr*	J1679	8.85	522.755	737.451	1.669	0.03	0.01	0.1	0.05	0.05	25	PERVIOUS	0.026	8.4	0.016	22.1
BC-1707_1	2078125.809	13818931.26	WDT	SCS_24h_Type_II_Xyr*	J1707	3.28	320.583	445.678	2.513	17.46	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.6	0.01	21
CC-J1669_2	2081894.746	13818878.8	WDT	SCS_24h_Type_II_Xyr*	J1669	2.59	455.691	247.581	2.625	8.2	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.3	0.43	36.8
BC-1729_2	2078132.111	13818400.44	WDT	SCS_24h_Type_II_Xyr*	J1729	5.03	254.006	862.605	5.469	8.46	0.01	0.1	0.05	0.05	25	PERVIOUS	0.68	7.9	0.01	21
BC-1679_2	2076449.324	13818883.08	WDT	SCS_24h_Type_II_Xyr*	J1679	5.35	424.416	549.098	1.125	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.9	0.016	22.1
BC-1691_2	2077532.286	13818721.31	WDT	SCS_24h_Type_II_Xyr*	J1691	5.01	286.287	762.297	2.634	15.26	0.01	0.1	0.05	0.05	25	PERVIOUS	3.951	12.6	0.01	21
PO-1687	2083916.229	13819021.8	WDT	SCS_24h_Type_II_Xyr*	J1687	2.28	282.666	351.357	3.866	0.14	0.01	0.1	0.05	0.05	25	PERVIOUS	0.143	10.4	0.081	24.9
BC-1679_3	2076680.421	13818733.22	WDT	SCS_24h_Type_II_Xyr*	J1679	4.45	432.896	447.78	1.421	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.6	0.018	22.4
UT-30042417_1	2089913.465	13818744.04	WDT	SCS_24h_Type_II_Xyr*	M30042417	4.46	441.163	440.376	4.471	4.48	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.1	0.017	22.4
UT-30042417_2	2090093.726	13818507.14	WDT	SCS_24h_Type_II_Xyr*	M30042417	4.87	598.628	354.372	5.694	2.54	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.3	0.081	25.4
PO-2963_1	2083031.68	13818457.92	WDT	SCS_24h_Type_II_Xyr*	J2963	11.64	462.843	1095.487	3.778	1.26	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.3	0.43	36.8
PO-1675	2083336.619	13818840.51	WDT	SCS_24h_Type_II_Xyr*	J1675	6.35	440.583	627.818	0.865	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.9	0.283	31.8
CC-J2994	2086106.167	13818566.49	WDT	SCS_24h_Type_II_Xyr*	J2994	5.29	441.72	521.671	4.372	0.15	0.01	0.1	0.05	0.05	25	PERVIOUS	0.154	9.1	0.263	26.2
CC-J2864_2	2080551.81	13818485.51	WDT	SCS_24h_Type_II_Xyr*	J2864	7.51	627.529	521.308	12.168	5.52	0.01	0.1	0.05	0.05	25	PERVIOUS	3.769	2.9	0.429	28.5
PO-2963_2	2084145.169	13818527.91	WDT	SCS_24h_Type_II_Xyr*	J2963	12.9	1137.969	493.796	4.032	3.32	0.01	0.1	0.05	0.05	25	PERVIOUS	0.908	8.6	0.185	28.5
CC-J1693	2085809.067	13818477.89	WDT	SCS_24h_Type_II_Xyr*	J1693	3.97	593.192	291.53	2.897	0.13	0.01	0.1	0.05	0.05	25	PERVIOUS	0.125	8.6	0.316	26.9
PO-2960	2083755.854	13818722.37	WDT	SCS_24h_Type_II_Xyr*	J2960	4.16	287.23	630.887	1.645	0.05	0.01	0.1	0.05	0.05	25	PERVIOUS	0.053	5.5	0.36	34.4
BC-1770_1	2077021.108	13818006.12	WDT	SCS_24h_Type_II_Xyr*	J1770	11.58	429.381	1174.772	2.302	0.21	0.01	0.1	0.05	0.05	25	PERVIOUS	0.212	6.6	0.013	21.6
BC-1681	2078961.325	13818556.8	WDT	SCS_24h_Type_II_Xyr*	J1681	3.11	214.549	631.425	2.601	10.05	0.01	0.1	0.05	0.05	25	PERVIOUS	0	12.3	0.01	21
BC-1721_1	2079365.65	13818615.59	WDT	SCS_24h_Type_II_Xyr*	J1721	7.06	719.609	427.362	5.517	10.4	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.1	0.01	21
BC-1707_2	2078490.898	13818571.59	WDT	SCS_24h_Type_II_Xyr*	J1707	7.74	490.57	687.271	2.596	16.31	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.2	0.01	21
BC-1713_1	2079889.33	13818606.95	WDT	SCS_24h_Type_II_Xyr*	J1713	3.5	243.644	625.749	4.574	25.85	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1699	2085150.565	13818779.83	WDT	SCS_24h_Type_II_Xyr*	J1699	5.07	310.457	711.368	1.164	13.16	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
CC-J46_1	2088282.582	13818544.24	WDT	SCS_24h_Type_II_Xyr*	J46	2.89	291.692	431.58	4.097	0.08	0.01	0.1	0.05	0.05	25	PERVIOUS	0.077	12.4	0.012	21.4
CC-J1719	2081788.528	13818550.82	WDT	SCS_24h_Type_II_Xyr*	J1719	8.83	612.033	628.454	1.583	25.17	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.3	0.43	36.8
CC-J112	2087991.661	13818576.5	WDT	SCS_24h_Type_II_Xyr*	J112	1.82	161.297	491.511	7.914	26.07	0.01	0.1	0.05	0.05	25	PERVIOUS	0	12.4	0.012	21.3
CC-MASJ3041_1	2088743.399	13818507.16	WDT	SCS_24h_Type_II_Xyr*	MASJ3041	4.19	300.753	606.865	5.344	6.72	0.01	0.1	0.05	0.05	25	PERVIOUS	6.722	11.9	0.064	22
CC-J46_2	2088575.028	13818573.01	WDT	SCS_24h_Type_II_Xyr*	J46	2.69	202.755	577.921	3.4	3	0.01	0.1	0.05	0.05	25	PERVIOUS	3	12.3	0.013	21.5
CC-J3002_1	2086913.642	13818554.08	WDT	SCS_24h_Type_II_Xyr*	J3002	11.51	425.163	1179.255	6.289	0.25	0.01	0.1	0.05	0.05	25	PERVIOUS	0.245	7.4	0.458	28.8
CC-J3002_2	2087683.207	13818534.43	WDT	SCS_24h_Type_II_Xyr*	J3002	3.28	341.066	418.912	5.035	0.13	0.01	0.1	0.05	0.05	25	PERVIOUS	0.133	10.5	0.194	24.1
CC-MASJ140_1	2087938.322	13818308.05	WDT	SCS_24h_Type_II_Xyr*	MASJ140	1.99	58.769	1475.002	4.786	18.25	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.7	0.163	23.8
CC-M31042417_1	2089112.89	13818459.01	WDT	SCS_24h_Type_II_Xyr*	M31042417	5.27	401.144	572.266	8.572	0.46	0.01	0.1	0.05	0.05	25	PERVIOUS	0.462	10.7	0.194	23.8
CC-J3001_1	2084945.692	13818329.87	WDT	SCS_24h_Type_II_Xyr*	J3001	8.55	523.715	711.146	3.381	1.53	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
BC-1713_2	2079605.174	13818062.75	WDT	SCS_24h_Type_II_Xyr*	J1713	7.1	291.003	1062.793	4.823	8.03	0.01	0.1	0.05	0.05	25	PERVIOUS	3.319	5	0.01	21
CC-J46_3	2088373.664	13818173.38	WDT	SCS_24h_Type_II_Xyr*	J46	2.85	618.188	200.822	5.622	0.13	0.01	0.1	0.05	0.05	25	PERVIOUS	0.133	11.3	0.097	22.9
CC-J3001_2	2085633.296	13818083.88	WDT	SCS_24h_Type_II_Xyr*	J3001	3.92	364.352	468.654	5.963	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.7	0.84	34.2
CC-M31042417_2	2089519.345	13818119.21	WDT	SCS_24h_Type_II_Xyr*	M31042417	7.26	1116.578	283.228	7.256	0.03	0.01	0.1	0.05	0.05	25	PERVIOUS	0.032	6.9	0.386	29.6
CC-J2864_3	2080128.553	13818214.79	WDT	SCS_24h_Type_II_Xyr*	J2864	5.85	488.868	521.257	7.326	21.44	0.01	0.1	0.05	0.05	25	PERVIOUS	6.628	3.2	0.03	21.3
CC-J2923_1	2082568.337	13818258.72	WDT	SCS_24h_Type_II_Xyr*	J2923	5.42	348.619	677.23	2.047	22	0.01	0.1	0.05	0.05	25	PERVIOUS	1.67	4.3	0.43	36.8
BC-1707_3	2078595.231	13818003.28	WDT	SCS_24h_Type_II_Xyr*	J1707	6.92	198.509	1518.496	7.637	9.35	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.6	0.01	21
CC-J1763_1	2084755.331	13818000.06	WDT	SCS_24h_Type_II_Xyr*	J1763	12.44	548.711	987.562	8.463	0.11	0.01	0.1	0.05	0.05	25	PERVIOUS	0.109	10.4	0.101	24.6
BC-1721_2	2079021.401	13818259.04	WDT	SCS_24h_Type_II_Xyr*	J1721	2.56	190.993	583.862	4.133	14.33	0.01	0.1	0.05	0.05	25	PERVIOUS	0.759	11.1	0.01	21
BC-1735	2078014.349	13818042.91	WDT	SCS_24h_Type_II_Xyr*	J1735	7.48	496.339	656.464	6.14	6.37	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.8	0.01	21
BC-1780	2077616.422	13817965.07	WDT	SCS_24h_Type_II_Xyr*	J1780	4.95	544.475	396.018	3.854	12.92	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.8	0.01	21
CC-J2949	2086182.787	13818017.62	WDT	SCS_24h_Type_II_Xyr*	J2949	4.11	651.037	274.995	6.694	0.93	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.4	0.521	29.4
CC-J2923_2	2082140.798	13817774.05	WDT	SCS_24h_Type_II_Xyr*	J2923	7.75	463.131	728.93	3.593	7.39	0.01	0.1	0.05	0.05	25	PERVIOUS	5.399	4.3	0.43	36.8
BC-1745	2077833.515	13817902.08	WDT	SCS_24h_Type_II_Xyr*	J1745	3.14	218.661	625.527	4.734	10.04	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.4	0.01	21
CC-J2832_1	2081759.564	13818103.18	WDT	SCS_24h_Type_II_Xyr*	J2832	4.66	352.835	575.31	1.636	25.31	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.3	0.43	36.8
CC-J1776_1	2081331.56	13817892.32	WDT	SCS_24h_Type_II_Xyr*	J1776	3.75	239.032	683.381	4.76	32.41	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.8	0.528	37.1
CC-J39_1	2086448.708	13817948.74	WDT	SCS_24h_Type_II_Xyr*	J39	3.34	446.729	325.679	6.479	1.03	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.7	0.317	26.2
CC-J3002_3	2087240.447	13818094.68	WDT	SCS_24h_Type_II_Xyr*	J3002	4.21	499.778	366.938	3.819	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.6	0.531	29.9
CC-J2846_1	2083042.247	13817732.82	WDT	SCS_24h_Type_II_Xyr*	J2846	10.03	523.493	834.599	3.961	10.27	0.01	0.1	0.05	0.05	25	PERVIOUS	1.115	4.3	0.43	36.8
CC-MASJ140_2	2087684.565	13818152.61	WDT	SCS_24h_Type_II_Xyr*	MASJ140	3.22	382.643	366.564	3.86	0.21	0.01	0.1	0.05	0.05	25	PERVIOUS	0.214	4.7	0.739	32.8
CC-J2923_3	2082431.604	13818041.48	WDT	SCS_24h_Type_II_Xyr*	J2923	3.27	341.464	417.149	2.31	17.22	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.3	0.43	36.8
BC-1758_1	2079175.34	13817792.34	WDT	SCS_24h_Type_II_Xyr*	J1758	3.19	166.42	834.974	6.597	7.35	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.2	0.01	21
BC-1758_2	2079363.939	13817805.79	WDT	SCS_24h_Type_II_Xyr*	J1758	4.08	321.319	553.11	6.867	18.65	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.7	0.01	21
CC-J39_2	2086641.204	13817925.12	WDT	SCS_24h_Type_II_Xyr*	J39	3.88	185.217	912.512	7.464	3	0.01	0.1	0.05	0.05	25	PERVIOUS	3	4.8	0.324	26.4
CC-J41	2086896.756	13817923.96	WDT	SCS_24h_Type_II_Xyr*	J41	6.57	211.004	1356.321	6.123	0.2	0.01	0.1	0.05	0.05	25	PERVIOUS	0.2	6.3	0.297	26.2
BC-1721_3	2078878.021	13817714.01	WDT	SCS_24h_Type_II_Xyr*	J1721	2.89	198.802	633.235	6.309	15.8	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.6	0.01	21
BC-1758_3	2078990.04	13817643.3	WDT	SCS_24h_Type_II_Xyr*	J1758	3.12	256.893	529.042	6.673	14.83	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.9	0.01	21
CC-M31042417_3	2089068.841	13818045.01	WDT	SCS_24h_Type_II_Xyr*	M31042417	6.28	420.636	650.341	9.224	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.1	0.575	32.4
CC-J47_1	2090239.374	13817851.29	WDT	SCS_24h_Type_II_Xyr*	J47	6.15	408.375	656	7.778	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.5	0.386	31.1
CC-J1819	2086997.682	13817301.68	WDT	SCS_24h_Type_II_Xyr*	J1819	12.13	660.177	800.365	4.28	2.17	0.01	0.1	0.05	0.05	25	PERVIOUS	2.151	4.1	0.018	21.4
UT-32042417	2089772.348	13817662.67	WDT	SCS_24h_Type_II_Xyr*	M32042417	11.01	590.644	811.988	7.926	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.3	0.626	33.5
CC-J2864_4	2080010.776	13817785.88	WDT	SCS_24h_Type_II_Xyr*	J2864	8.57	424.396	879.625	8.818	16.84	0.01	0.1	0.05	0.05	25	PERVIOUS	3.601	2.7	0.01	21
CC-MASJ140_3	2087750.343	13817836.13	WDT	SCS_24h_Type_II_Xyr*	MASJ140	3.85	515.101	325.579	3.636	0.63	0.01	0.1	0.05	0.05	25	PERVIOUS	0.625	11	0.046	23.1
BC-2901	2077387.088	13817995.86	WDT	SCS_24h_Type_II_Xyr*	J2901	1.27	126.229	438.261	3.409	10.5	0.01	0.1	0.05	0.05	25	PERVIOUS	0	12.6	0.01	21
PO-2963_3	2083857.067	13817931.34	WDT	SCS_24h_Type_II_Xyr*	J2963	4.7	534.241	383.22	3.123	8.38	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.3	0.43	36.8
CC-J2846_2	2083481.67	13817638.88	WDT	SCS_24h_Type_II_Xyr*	J2846	9.95	562.133	771.031	2.683	13.04	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.3	0.43	36.8
CC-J46_4	2088165.823	13817904.48	WDT	SCS_24h_Type_II_Xyr*	J46	4.09	180.575	986.628	4.383	4.63	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.5	0.235	25.6
CC-J2999	2085971.333	13817755.33	WDT	SCS_24h_Type_II_Xyr*	J2999	5.01	352.418	619.252	8.07	3.61	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.6	0.147	23.6
CC-MASJ3041_2	2088397.819	13817671.19	WDT	SCS_24h_Type_II_Xyr*	MASJ3041	5.2	319.671	708.579	4.619	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.2	0.141	24.4
CC-J1776_2	2081089.452	13817805.63	WDT	SCS_24h_Type_II_Xyr*	J1776	4.96	349.653	617.92	6.348	1.21	0.01	0.1	0.05	0.05	25	PERVIOUS	0.629	2.9	0.703	37.6
CC-MASJ3041_3	2088462.789	13817350.93	WDT	SCS_24h_Type_II_Xyr*	MASJ3041	6.02	292.808	895.574	2.919	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.9	0.028	23.1

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
CC-J2832_2	2081686.577	13817740.14	WDT	SCS_24h_Type_II_Xyr*	J2832	3.48	454.588	333.464	3.56	9.53	0.01	0.1	0.05	0.05	25	PERVIOUS	9.526	4.3	0.43	36.8
CC-J1763_2	2085131.263	13817788.75	WDT	SCS_24h_Type_II_Xyr*	J1763	2.69	274.664	426.617	8.731	0.58	0.01	0.1	0.05	0.05	25	PERVIOUS	0.583	5.1	0.697	32.3
BC-1824_1	2077641.365	13817273.99	WDT	SCS_24h_Type_II_Xyr*	J1824	5.88	245.542	1043.132	4.993	12.22	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.4	0.01	21
CC-J2832_3	2081471.167	13817659.97	WDT	SCS_24h_Type_II_Xyr*	J2832	2.55	289.008	384.342	2.103	15.4	0.01	0.1	0.05	0.05	25	PERVIOUS	4.162	4.3	0.43	36.8
CC-J3001_3	2085406.866	13817507.51	WDT	SCS_24h_Type_II_Xyr*	J3001	7.71	684.233	490.838	9.004	6.29	0.01	0.1	0.05	0.05	25	PERVIOUS	1.169	2.8	0.383	26.9
CC-J2923_4	2082173.402	13817420.08	WDT	SCS_24h_Type_II_Xyr*	J2923	5.26	230.327	994.784	2.536	10.08	0.01	0.1	0.05	0.05	25	PERVIOUS	0.523	4.3	0.43	36.8
CC-J2923_5	2082668.248	13817444.31	WDT	SCS_24h_Type_II_Xyr*	J2923	7.36	506.241	633.298	4.163	4.53	0.01	0.1	0.05	0.05	25	PERVIOUS	0.382	4.3	0.43	36.8
CC-J3001_4	2085810.93	13817289.01	WDT	SCS_24h_Type_II_Xyr*	J3001	4.45	330.06	587.293	5.346	12.5	0.01	0.1	0.05	0.05	25	PERVIOUS	1.321	8.1	0.012	21.1
CC-J60_1	2087975.748	13817148.11	WDT	SCS_24h_Type_II_Xyr*	J60	6.19	258.994	1041.091	3.479	21.69	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.7	0.014	21.6
CC-J2978_1	2084734.708	13817537.69	WDT	SCS_24h_Type_II_Xyr*	J2978	3.11	361.329	374.926	6.484	0.71	0.01	0.1	0.05	0.05	25	PERVIOUS	0.714	5.7	0.601	30.9
CC-J2991	2080470.527	13817624.88	WDT	SCS_24h_Type_II_Xyr*	J2991	7.05	281.369	1091.442	10.505	9.85	0.01	0.1	0.05	0.05	25	PERVIOUS	3.113	2.2	0.186	23.7
CC-J2971_1	2084294.073	13817477.75	WDT	SCS_24h_Type_II_Xyr*	J2971	3.75	215.645	757.495	3.716	0.12	0.01	0.1	0.05	0.05	25	PERVIOUS	0.118	3.1	0.721	37.2
CC-MASJ2948	2087449.823	13817154.06	WDT	SCS_24h_Type_II_Xyr*	MASJ2948	10.83	908.05	519.525	4.44	10.11	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3	0.011	21.1
CC-J45	2087749.072	13817205.62	WDT	SCS_24h_Type_II_Xyr*	J45	3.49	250.178	607.665	3.372	28.99	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.4	0.012	21.4
BC-1793_1	2078154.274	13817493.75	WDT	SCS_24h_Type_II_Xyr*	J1793	5.21	315.143	720.142	5.121	13.28	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.4	0.01	21
CC-J2971_2	2083991.726	13817526.67	WDT	SCS_24h_Type_II_Xyr*	J2971	2.53	339.747	324.379	2.368	3.67	0.01	0.1	0.05	0.05	25	PERVIOUS	3.667	4.3	0.435	36.8
BC-1797_1	2077521.689	13817163.32	WDT	SCS_24h_Type_II_Xyr*	J1797	4.75	171.99	1203.035	4.413	5.45	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.4	0.01	21
CC-J47_2	2090420.717	13817477.73	WDT	SCS_24h_Type_II_Xyr*	J47	2.98	313.552	413.994	3.644	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.8	0.077	28.1
CC-J68	2086263.246	13817213.5	WDT	SCS_24h_Type_II_Xyr*	J68	9.77	512.663	830.138	4.167	10.45	0.01	0.1	0.05	0.05	25	PERVIOUS	6.737	6.8	0.01	21
BC-1770_2	2077227.061	13816873.69	WDT	SCS_24h_Type_II_Xyr*	J1770	5.01	217.301	1004.301	5.27	4.05	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.8	0.01	21
BC-1795	2077274.427	13816996.17	WDT	SCS_24h_Type_II_Xyr*	J1795	5.06	236.765	930.938	4.524	7.11	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.1	0.01	21
CC-J2832_4	2081698.442	13817202.99	WDT	SCS_24h_Type_II_Xyr*	J2832	3.61	297.645	528.319	5.151	0.27	0.01	0.1	0.05	0.05	25	PERVIOUS	0.047	2.8	0.723	37.6
CC-J1776_3	2080567.903	13817318.44	WDT	SCS_24h_Type_II_Xyr*	J1776	8.82	420.164	914.403	8.614	6.62	0.01	0.1	0.05	0.05	25	PERVIOUS	3.416	2.4	0.071	21.9
CC-J1842_1	2085267.179	13816984.05	WDT	SCS_24h_Type_II_Xyr*	J1842	12.22	832.661	639.28	6.377	8.2	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.5	0.095	22.3
CC-J2832_5	2081336.958	13817235.29	WDT	SCS_24h_Type_II_Xyr*	J2832	2.96	681.033	189.327	10.853	7.54	0.01	0.1	0.05	0.05	25	PERVIOUS	0.84	2	0.688	33.8
CC-MASJ1803	2080360.032	13817099.99	WDT	SCS_24h_Type_II_Xyr*	MASJ1803	5.08	222.801	993.195	3.581	15.91	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-1793_2	2078199.104	13817277.58	WDT	SCS_24h_Type_II_Xyr*	J1793	4.49	336.411	581.385	5.874	7.61	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.1	0.01	21
CC-J2971_3	2083806.391	13817217.68	WDT	SCS_24h_Type_II_Xyr*	J2971	3.32	312.018	463.496	8.797	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.9	0.712	37.6
CC-M33042417	2090339.496	13817284.05	WDT	SCS_24h_Type_II_Xyr*	M33042417	2.7	379.869	309.612	5.621	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.4	0.487	32.1
BC-1797_2	2077533.424	13816924.29	WDT	SCS_24h_Type_II_Xyr*	J1797	4.99	202.77	1071.975	6.698	7.4	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.3	0.01	21
BC-1817_1	2078184.872	13817038.06	WDT	SCS_24h_Type_II_Xyr*	J1817	3.88	458.806	368.375	5.699	18.29	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.5	0.01	21
CC-MASJ108	2079745.649	13817202.24	WDT	SCS_24h_Type_II_Xyr*	MASJ108	3.33	173.329	836.876	5.902	6.2	0.01	0.1	0.05	0.05	25	PERVIOUS	2.151	2.5	0.01	21
CC-J1815	2084769.561	13816946.43	WDT	SCS_24h_Type_II_Xyr*	J1815	6.1	857.53	309.862	7.313	19.67	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.053	21.7
CC-MASJ110	2079313.736	13817099.97	WDT	SCS_24h_Type_II_Xyr*	MASJ110	5.03	238.38	919.149	6.697	20.41	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2978_2	2084404.716	13817156.4	WDT	SCS_24h_Type_II_Xyr*	J2978	1.64	195.03	366.294	11.554	0.29	0.01	0.1	0.05	0.05	25	PERVIOUS	0.286	1.6	0.557	29.4
CC-J2971_4	2084021.511	13816842.99	WDT	SCS_24h_Type_II_Xyr*	J2971	5	609.704	357.223	9.649	7.41	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.1	0.232	24.4
BC-1817_2	2078549.243	13816909.08	WDT	SCS_24h_Type_II_Xyr*	J1817	4.15	445.975	405.346	4.246	16.99	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1846_1	2079288.998	13816626.23	WDT	SCS_24h_Type_II_Xyr*	J1846	6.58	331.018	865.889	6.148	9.18	0.01	0.1	0.05	0.05	25	PERVIOUS	0.934	2.5	0.01	21
CC-J1846_2	2079047.87	13816423.09	WDT	SCS_24h_Type_II_Xyr*	J1846	10.81	665.845	707.197	6.313	11.04	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2971_5	2084279.769	13816196.3	WDT	SCS_24h_Type_II_Xyr*	J2971	17.51	844.714	902.951	11.881	5.54	0.01	0.1	0.05	0.05	25	PERVIOUS	2.754	2.5	0.015	21.1
CC-J2846_3	2082968.743	13817067.71	WDT	SCS_24h_Type_II_Xyr*	J2846	2.77	174.603	691.06	13.795	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.803	37.9
CC-J2832_6	2081057.651	13816884.23	WDT	SCS_24h_Type_II_Xyr*	J2832	4.44	418.968	461.626	8.955	17.01	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.022	21.2
CC-J2832_7	2082007.406	13816983.7	WDT	SCS_24h_Type_II_Xyr*	J2832	3.14	277.259	493.324	7.642	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.1	1.067	38.7
BC-3524	2076968.996	13816825.23	WDT	SCS_24h_Type_II_Xyr*	j51	3.4	335.178	441.867	4.442	0.43	0.01	0.1	0.05	0.05	25	PERVIOUS	0.166	5.3	0.01	21
CC-MASJ1801	2079640.458	13816912.96	WDT	SCS_24h_Type_II_Xyr*	MASJ1801	2.97	358.66	360.713	5.586	18.17	0.01	0.1	0.05	0.05	25	PERVIOUS	8.92	2.5	0.01	21
CC-J2923_6	2082952.673	13816823.59	WDT	SCS_24h_Type_II_Xyr*	J2923	5.99	382.688	681.82	11.173	0.04	0.01	0.1	0.05	0.05	25	PERVIOUS	0.037	1.9	0.398	27.1
CC-J2832_8	2081483.717	13816745.53	WDT	SCS_24h_Type_II_Xyr*	J2832	4.01	616.183	283.48	12.772	12.38	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.061	21.8
CC-J2846_4	2083828.45	13816714	WDT	SCS_24h_Type_II_Xyr*	J2846	2.46	186.374	574.96	10.217	6.04	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.3	0.112	22.6
CC-J1844_1	2083483.785	13816544.93	WDT	SCS_24h_Type_II_Xyr*	J1844	3.67	534.776	298.939	10.981	9.58	0.01	0.1	0.05	0.05	25	PERVIOUS	9.401	2.5	0.012	21
CC-J2846_5	2083661.286	13816667.34	WDT	SCS_24h_Type_II_Xyr*	J2846	4.58	212.041	940.878	8.794	19.14	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.3	0.157	23.3
CC-J1831_1	2086418.551	13816641.23	WDT	SCS_24h_Type_II_Xyr*	J1831	2.75	720.499	166.26	2.535	9.68	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.7	0.01	21

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
BC-1817_3	2078420.502	13816501.19	WDT	SCS_24h_Type_II_Xyr*	J1817	2.78	293.787	412.193	4.158	13.28	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1848_1	2080669.63	13816702.95	WDT	SCS_24h_Type_II_Xyr*	J1848	2.86	152.838	815.122	5.248	8.07	0.01	0.1	0.05	0.05	25	PERVIOUS	6.755	2.5	0.01	21
CC-J1848_2	2080199.874	13816754.24	WDT	SCS_24h_Type_II_Xyr*	J1848	5.25	325.602	702.361	4.673	11.79	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2832_9	2082039.305	13816697.91	WDT	SCS_24h_Type_II_Xyr*	J2832	4.13	351.755	511.443	16.084	3.65	0.01	0.1	0.05	0.05	25	PERVIOUS	0.436	1.8	0.424	27.4
BC-1824_2	2078171.132	13816529.41	WDT	SCS_24h_Type_II_Xyr*	J1824	3.09	305.304	440.873	6.326	6.83	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-1824_3	2077993.582	13816434.4	WDT	SCS_24h_Type_II_Xyr*	J1824	2.67	203.578	571.305	7.269	6.26	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2835	2086865.17	13816594.7	WDT	SCS_24h_Type_II_Xyr*	J2835	2.69	263.804	444.18	2.695	6.92	0.01	0.1	0.05	0.05	25	PERVIOUS	2.648	4.3	0.01	21
CC-J60_2	2087951.371	13816334.65	WDT	SCS_24h_Type_II_Xyr*	J60	4.84	178.929	1178.291	3.406	22.2	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1838	2084759.208	13816621.39	WDT	SCS_24h_Type_II_Xyr*	J1838	3.01	229.495	571.322	8.048	13.25	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2923_7	2082527.43	13816581.78	WDT	SCS_24h_Type_II_Xyr*	J2923	8.11	756.083	467.239	13.017	1.34	0.01	0.1	0.05	0.05	25	PERVIOUS	1.343	2.3	0.196	24.1
BC-3557	2077344.971	13816388.93	WDT	SCS_24h_Type_II_Xyr*	j51	4.78	208.92	996.634	7.139	4.5	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.5	0.01	21
CC-J1829_1	2087692.657	13816411.39	WDT	SCS_24h_Type_II_Xyr*	J1829	2.61	216.001	526.348	3.088	10.81	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2832_10	2081816.805	13816513.69	WDT	SCS_24h_Type_II_Xyr*	J2832	2.72	314.601	376.614	10.681	15.75	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1829_2	2087140.278	13816533.64	WDT	SCS_24h_Type_II_Xyr*	J1829	4.06	213.877	826.894	2.819	15.15	0.01	0.1	0.05	0.05	25	PERVIOUS	1.573	4.7	0.01	21
BC-3561	2077201.281	13816212.67	WDT	SCS_24h_Type_II_Xyr*	j51	3.59	43.954	3557.82	4.007	4.01	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.1	0.01	21
BC-3564	2077111.568	13816408.33	WDT	SCS_24h_Type_II_Xyr*	j51	3.16	199.161	691.147	6.068	3.58	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.6	0.01	21
CC-MASJ114	2080140.945	13816540.38	WDT	SCS_24h_Type_II_Xyr*	MASJ114	5.83	360.548	704.358	5.345	25.35	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1842_2	2085905.361	13816508.93	WDT	SCS_24h_Type_II_Xyr*	J1842	2.82	236.796	518.755	1.826	11.57	0.01	0.1	0.05	0.05	25	PERVIOUS	0	12.6	0.01	21
CC-J1891_1	2086631.955	13816311.05	WDT	SCS_24h_Type_II_Xyr*	J1891	4.31	403.488	465.302	3.474	11.67	0.01	0.1	0.05	0.05	25	PERVIOUS	7.643	9.5	0.01	21
CC-J1831_2	2086174.893	13816457.97	WDT	SCS_24h_Type_II_Xyr*	J1831	6.99	219.162	1389.312	2.223	7.2	0.01	0.1	0.05	0.05	25	PERVIOUS	0.744	10.7	0.01	21
CC-J1894	2086246.125	13815912.2	WDT	SCS_24h_Type_II_Xyr*	J1894	5.15	235.268	953.525	3.06	12.64	0.01	0.1	0.05	0.05	25	PERVIOUS	4.004	11.3	0.01	21
CC-J1850	2081019.895	13816492.74	WDT	SCS_24h_Type_II_Xyr*	J1850	2.98	491.311	264.209	6.919	5.19	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1846_3	2079830.112	13816031.57	WDT	SCS_24h_Type_II_Xyr*	J1846	6.19	451.86	596.726	6.378	9.47	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1842_3	2085563.234	13816292.16	WDT	SCS_24h_Type_II_Xyr*	J1842	6.55	430.934	662.092	3.106	3.93	0.01	0.1	0.05	0.05	25	PERVIOUS	3.181	12.2	0.01	21
CC-J1885_1	2083107.97	13816301.43	WDT	SCS_24h_Type_II_Xyr*	J1885	3.96	355.338	485.447	7.113	10.69	0.01	0.1	0.05	0.05	25	PERVIOUS	4.638	2.5	0.01	21
CC-J1852	2085154.183	13816469.19	WDT	SCS_24h_Type_II_Xyr*	J1852	2.01	263.938	331.728	4.437	7.78	0.01	0.1	0.05	0.05	25	PERVIOUS	7.778	2.5	0.01	21
CC-J1844_2	2083505.027	13816213.63	WDT	SCS_24h_Type_II_Xyr*	J1844	5.81	303.878	832.846	8.25	12.2	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1881_1	2080255.412	13816188.75	WDT	SCS_24h_Type_II_Xyr*	J1881	5.56	306.555	790.049	6.627	12.24	0.01	0.1	0.05	0.05	25	PERVIOUS	4.607	2.5	0.01	21
CC-J1829_3	2087639.972	13816085.4	WDT	SCS_24h_Type_II_Xyr*	J1829	6.58	427.982	669.712	3.341	17.34	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1871	2080795.092	13816255.65	WDT	SCS_24h_Type_II_Xyr*	J1871	4.54	366.797	539.16	7.36	7.05	0.01	0.1	0.05	0.05	25	PERVIOUS	5.091	2.5	0.01	21
CC-J1866_1	2081422.091	13816456.85	WDT	SCS_24h_Type_II_Xyr*	J1866	1.41	135.527	453.191	13.096	8.8	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1881_2	2081152.039	13815932.73	WDT	SCS_24h_Type_II_Xyr*	J1881	6.56	478.277	597.465	8.993	2.22	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1866_2	2081501.207	13815819.88	WDT	SCS_24h_Type_II_Xyr*	J1866	6.99	337.659	901.751	9.558	20.86	0.01	0.1	0.05	0.05	25	PERVIOUS	9.72	2.5	0.01	21
CC-J1866_3	2081781.591	13816016.38	WDT	SCS_24h_Type_II_Xyr*	J1866	6.05	415.207	634.715	9.675	24.74	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1883	2085018.938	13816297.62	WDT	SCS_24h_Type_II_Xyr*	J1883	2.94	259.592	493.337	4.986	18.5	0.01	0.1	0.05	0.05	25	PERVIOUS	18.5	2.8	0.01	21
CC-J1855	2087100.085	13816241.42	WDT	SCS_24h_Type_II_Xyr*	J1855	2.99	262.4	496.358	2.561	25.08	0.01	0.1	0.05	0.05	25	PERVIOUS	5.6	7.1	0.01	21
CC-J1858	2082153.154	13816035.96	WDT	SCS_24h_Type_II_Xyr*	J1858	6.15	358.488	747.289	8.365	16.86	0.01	0.1	0.05	0.05	25	PERVIOUS	5.226	2.5	0.01	21
BC-3605	2076557.5	13816133.28	WDT	SCS_24h_Type_II_Xyr*	j52	3.35	492.56	296.26	5.569	0.21	0.01	0.1	0.05	0.05	25	PERVIOUS	0.214	2.6	0.01	21
BC-3606	2076963.281	13816178.68	WDT	SCS_24h_Type_II_Xyr*	j52	3.13	173.412	786.236	6.134	1.77	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.8	0.01	21
CC-J1889	2085870.673	13815948.62	WDT	SCS_24h_Type_II_Xyr*	J1889	3.69	208.585	770.604	3.014	20.85	0.01	0.1	0.05	0.05	25	PERVIOUS	0	12.6	0.01	21
CC-J2851_1	2078800.454	13816001.5	WDT	SCS_24h_Type_II_Xyr*	J2851	9.77	554.046	768.133	7.035	6.04	0.01	0.1	0.05	0.05	25	PERVIOUS	0.796	2.5	0.01	21
CC-J1860	2084732.518	13815994.78	WDT	SCS_24h_Type_II_Xyr*	J1860	4.93	345.549	621.477	4.34	7.73	0.01	0.1	0.05	0.05	25	PERVIOUS	7.727	2.5	0.01	21
CC-J1873_1	2082636.252	13816070.93	WDT	SCS_24h_Type_II_Xyr*	J1873	3.47	706.641	213.904	8.908	32.9	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1900_1	2079313.454	13815926.25	WDT	SCS_24h_Type_II_Xyr*	J1900	2.65	176.818	652.841	5.981	8.8	0.01	0.1	0.05	0.05	25	PERVIOUS	2.014	2.5	0.01	21
CC-J1879_1	2087445.316	13815968.87	WDT	SCS_24h_Type_II_Xyr*	J1879	2.17	216.411	436.786	2.932	14	0.01	0.1	0.05	0.05	25	PERVIOUS	10.338	2.7	0.01	21
CC-J1907	2085107.987	13815885.67	WDT	SCS_24h_Type_II_Xyr*	J1907	5.32	478.099	484.71	3.799	3.47	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.9	0.01	21
CC-J1896	2082777.839	13815656.79	WDT	SCS_24h_Type_II_Xyr*	J1896	7.81	805.883	422.15	11.237	14.11	0.01	0.1	0.05	0.05	25	PERVIOUS	11.96	2.5	0.01	21
BC-3627	2077114.163	13815844.24	WDT	SCS_24h_Type_II_Xyr*	j52	8.37	428.593	850.684	7.027	7.47	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1873_2	2082412.126	13815792.33	WDT	SCS_24h_Type_II_Xyr*	J1873	5.29	449.359	512.802	10.342	10.68	0.01	0.1	0.05	0.05	25	PERVIOUS	3.593	2.5	0.01	21
CC-J1885_2	2083438.155	13815717.86	WDT	SCS_24h_Type_II_Xyr*	J1885	5.24	482.284	473.278	4.547	9.25	0.01	0.1	0.05	0.05	25	PERVIOUS	3.851	2.5	0.01	21
CC-J1885_3	2083184.828	13815682.08	WDT	SCS_24h_Type_II_Xyr*	J1885	2.85	267.649	463.839	4.389	11.35	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
CC-J1909_1	2085601.204	13815486.42	WDT	SCS_24h_Type_II_Xyr*	J1909	7.96	378.809	915.336	4.498	10.49	0.01	0.1	0.05	0.05	25	PERVIOUS	3.466	10.6	0.016	22.2
CC-J1905_1	2078283.322	13815691.81	WDT	SCS_24h_Type_II_Xyr*	J1905	9.59	629.399	663.713	7.48	10.23	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1879_2	2087145.926	13815826.41	WDT	SCS_24h_Type_II_Xyr*	J1879	6.62	1049.841	274.677	3.689	7.03	0.01	0.1	0.05	0.05	25	PERVIOUS	1.954	9.9	0.01	21
CC-J2851_2	2078537.678	13815869.49	WDT	SCS_24h_Type_II_Xyr*	J2851	2.83	139.701	882.419	6.614	1.34	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-3638	2076622.539	13815745.1	WDT	SCS_24h_Type_II_Xyr*	j53	7.55	269.152	1221.904	5.484	1.44	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.2	0.011	21.1
CC-J1887	2080514.422	13815683.63	WDT	SCS_24h_Type_II_Xyr*	J1887	3.19	403.558	344.328	8.181	6.71	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1891_2	2086374.45	13815725.12	WDT	SCS_24h_Type_II_Xyr*	J1891	2.52	382.922	286.667	3.661	15.55	0.01	0.1	0.05	0.05	25	PERVIOUS	6.536	12.6	0.01	21
CC-J1891_3	2086669.028	13815546.35	WDT	SCS_24h_Type_II_Xyr*	J1891	6.77	422.208	698.474	5.253	8.37	0.01	0.1	0.05	0.05	25	PERVIOUS	5.691	11.8	0.012	21.5
CC-J2959	2080978.676	13815605.99	WDT	SCS_24h_Type_II_Xyr*	J2959	4.01	487.135	358.577	7.911	0.89	0.01	0.1	0.05	0.05	25	PERVIOUS	0.895	2.5	0.01	21
CC-J2860	2080115.061	13815812.05	WDT	SCS_24h_Type_II_Xyr*	J2860	5.49	581.342	411.366	7.376	9.45	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2851_3	2079456.961	13815356.67	WDT	SCS_24h_Type_II_Xyr*	J2851	3.67	701.8	227.793	7.869	7.21	0.01	0.1	0.05	0.05	25	PERVIOUS	3.569	2.5	0.01	21
CC-J1947_1	2087025.842	13815401.76	WDT	SCS_24h_Type_II_Xyr*	J1947	3.17	297.061	464.838	4.505	4.21	0.01	0.1	0.05	0.05	25	PERVIOUS	1.014	12.1	0.011	21.2
CC-J2774	2087588.311	13815429.75	WDT	SCS_24h_Type_II_Xyr*	J2774	7	1032.607	295.291	3.61	24.72	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.4	0.01	21
CC-J1900_2	2079745.004	13815424.82	WDT	SCS_24h_Type_II_Xyr*	J1900	5.57	648.922	373.896	7.653	4.42	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1905_2	2079015.571	13815150.77	WDT	SCS_24h_Type_II_Xyr*	J1905	7.46	1088.852	298.441	7.05	6.47	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1905_3	2078654.473	13815184.61	WDT	SCS_24h_Type_II_Xyr*	J1905	2.67	713.961	162.901	8.001	9.9	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1928_1	2085090.694	13815544.65	WDT	SCS_24h_Type_II_Xyr*	J1928	2.68	204.484	570.904	3.358	15.07	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.5	0.01	21
CC-J1926	2079177.34	13815414.42	WDT	SCS_24h_Type_II_Xyr*	J1926	3.04	712.327	185.901	7.797	10.09	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-3668	2077022.743	13815321.31	WDT	SCS_24h_Type_II_Xyr*	j54	8.14	680.842	520.794	6.156	6.65	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J3019	2083935.735	13815571.28	WDT	SCS_24h_Type_II_Xyr*	J3019	4.16	235.633	769.033	4.545	28.1	0.01	0.1	0.05	0.05	25	PERVIOUS	7.454	2.5	0.01	21
CC-J1928_2	2085254.009	13815212.87	WDT	SCS_24h_Type_II_Xyr*	J1928	5.05	287.828	764.269	5.177	9.65	0.01	0.1	0.05	0.05	25	PERVIOUS	4.227	9.7	0.018	22.7
CC-J1939	2078130.433	13815142.52	WDT	SCS_24h_Type_II_Xyr*	J1939	7.98	1113.916	312.06	6.672	7.99	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1909_2	2085816.992	13815265.18	WDT	SCS_24h_Type_II_Xyr*	J1909	3.32	228.428	633.106	6.797	4.5	0.01	0.1	0.05	0.05	25	PERVIOUS	3.316	8.6	0.021	23.5
CC-J1962_1	2077942.493	13815144.57	WDT	SCS_24h_Type_II_Xyr*	J1962	2.82	405.815	302.698	6.169	14	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2829	2084386.531	13815124.95	WDT	SCS_24h_Type_II_Xyr*	J2829	7.64	332.551	1000.744	4.515	15.28	0.01	0.1	0.05	0.05	25	PERVIOUS	4.558	5.4	0.01	21
CC-J3018	2083365.682	13815240.81	WDT	SCS_24h_Type_II_Xyr*	J3018	3.68	160	1001.88	4.272	30.79	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.6	0.011	21.2
CC-J1917	2086253.199	13815064.2	WDT	SCS_24h_Type_II_Xyr*	J1917	7.59	400.637	825.237	10.692	10.62	0.01	0.1	0.05	0.05	25	PERVIOUS	2.082	4.3	0.033	26.2
CC-J2696	2078469.606	13815014.53	WDT	SCS_24h_Type_II_Xyr*	J2696	5.63	1031.837	237.676	7.46	5.87	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1971	2080417.006	13815266.84	WDT	SCS_24h_Type_II_Xyr*	J1971	8.56	895.877	416.211	7.802	14.75	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1911	2082181.438	13815220.35	WDT	SCS_24h_Type_II_Xyr*	J1911	6.49	528.731	534.685	5.14	3.8	0.01	0.1	0.05	0.05	25	PERVIOUS	3.8	2.5	0.01	21
CC-J17_1	2087797.428	13815091.39	WDT	SCS_24h_Type_II_Xyr*	J17	5.61	277.494	880.637	4.022	17.12	0.01	0.1	0.05	0.05	25	PERVIOUS	0.445	6	0.01	21
CC-J1922_1	2082875.305	13815154.67	WDT	SCS_24h_Type_II_Xyr*	J1922	3.13	141.711	962.119	5.675	0.94	0.01	0.1	0.05	0.05	25	PERVIOUS	0.938	2.5	0.01	21
CC-GR7_1	2083918.651	13815082.63	WDT	SCS_24h_Type_II_Xyr*	GR7	6.5	661.256	428.185	5.729	15.45	0.01	0.1	0.05	0.05	25	PERVIOUS	9.09	3.2	0.011	21.1
CC-J1920	2081285.595	13815309.42	WDT	SCS_24h_Type_II_Xyr*	J1920	4.08	251.026	707.994	7.277	12.2	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1922_2	2082323.982	13814777.04	WDT	SCS_24h_Type_II_Xyr*	J1922	7.13	497.375	624.444	5.054	4.58	0.01	0.1	0.05	0.05	25	PERVIOUS	4.576	2.5	0.01	21
CC-J1922_3	2082631.657	13814831.05	WDT	SCS_24h_Type_II_Xyr*	J1922	6.55	456.368	625.193	5.657	2.48	0.01	0.1	0.05	0.05	25	PERVIOUS	2.483	2.5	0.01	21
CC-J1949_1	2084932.884	13815093.15	WDT	SCS_24h_Type_II_Xyr*	J1949	4.17	651.913	278.634	5.312	6.33	0.01	0.1	0.05	0.05	25	PERVIOUS	0.935	12.3	0.01	21
CC-J1962_2	2077756.893	13814904.56	WDT	SCS_24h_Type_II_Xyr*	J1962	5.19	383.251	589.891	4.407	10.75	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1909_3	2085985.673	13814737.35	WDT	SCS_24h_Type_II_Xyr*	J1909	5.81	205.738	1230.126	11.67	13.02	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.039	27.4
CC-J1941	2084658.633	13815000.87	WDT	SCS_24h_Type_II_Xyr*	J1941	3.86	229.488	732.681	6.052	4.72	0.01	0.1	0.05	0.05	25	PERVIOUS	4.08	11.7	0.01	21
CC-J17_2	2087628.967	13815017.48	WDT	SCS_24h_Type_II_Xyr*	J17	3.18	199.879	693.023	3.778	9.46	0.01	0.1	0.05	0.05	25	PERVIOUS	3.012	7.4	0.01	21
CC-GR7_2	2083380.224	13815072.81	WDT	SCS_24h_Type_II_Xyr*	GR7	4.01	186.979	934.199	3.983	37.95	0.01	0.1	0.05	0.05	25	PERVIOUS	32.848	6.3	0.014	21.8
CC-J1985_1	2083589.038	13814863	WDT	SCS_24h_Type_II_Xyr*	J1985	2.59	321.859	350.527	3.697	12	0.01	0.1	0.05	0.05	25	PERVIOUS	7.697	8.8	0.017	22.3
CC-J2779	2080802.247	13815020.53	WDT	SCS_24h_Type_II_Xyr*	J2779	2.56	507.654	219.665	8.245	18.27	0.01	0.1	0.05	0.05	25	PERVIOUS	7.913	2.5	0.01	21
CC-J1932_1	2081624.881	13815046.06	WDT	SCS_24h_Type_II_Xyr*	J1932	6.78	333.173	886.437	7.609	15.19	0.01	0.1	0.05	0.05	25	PERVIOUS	0.629	2.5	0.01	21
CC-J1935	2087113.19	13814813.51	WDT	SCS_24h_Type_II_Xyr*	J1935	4.93	425.849	504.289	7.332	18	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.9	0.023	23.9
BC-3722	2077236.372	13815078.29	WDT	SCS_24h_Type_II_Xyr*	j56	5.93	184.323	1401.403	4.583	9.81	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1964	2080011.822	13815013.3	WDT	SCS_24h_Type_II_Xyr*	J1964	2.94	411.46	311.249	6.775	5.63	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-gr21_1	2080532.586	13814614.28	WDT	SCS_24h_Type_II_Xyr*	gr21	7.24	532.666	592.068	9.115	8.29	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1947_2	2086543.743	13814768.16	WDT	SCS_24h_Type_II_Xyr*	J1947	6.44	403.149	695.838	13.237	15.43	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.038	27.3
CC-J1947_3	2086874.704	13814840.81	WDT	SCS_24h_Type_II_Xyr*	J1947	3.51	300.676	508.506	13.02	14.71	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.6	0.035	26.6

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
BC-3734	2077225.123	13814853.3	WDT	SCS_24h_Type_II_Xyr*	j56	2.3	180.334	555.569	3.358	10.19	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1945	2078531.744	13814585.32	WDT	SCS_24h_Type_II_Xyr*	J1945	3.79	124.421	1326.885	4.219	13.12	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1932_2	2081477.492	13814745.82	WDT	SCS_24h_Type_II_Xyr*	J1932	7.32	472.51	674.82	8.943	29.5	0.01	0.1	0.05	0.05	25	PERVIOUS	13.094	2.5	0.01	21
CC-J1991_1	2085355.153	13814828.27	WDT	SCS_24h_Type_II_Xyr*	J1991	3.33	443.675	326.939	7.727	2.81	0.01	0.1	0.05	0.05	25	PERVIOUS	2.408	7.4	0.025	24.3
CC-J1966_1	2084309.682	13814648.57	WDT	SCS_24h_Type_II_Xyr*	J1966	2.57	276.111	405.45	5.375	0.93	0.01	0.1	0.05	0.05	25	PERVIOUS	0.929	4.5	0.01	21
CC-J1966_2	2084440.601	13814507.14	WDT	SCS_24h_Type_II_Xyr*	J1966	3.73	262.518	618.924	5.983	2.38	0.01	0.1	0.05	0.05	25	PERVIOUS	1.52	4.5	0.01	21
CC-J1989	2080923.222	13814696.9	WDT	SCS_24h_Type_II_Xyr*	J1989	3.73	360.737	450.408	7.604	11.73	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1949_2	2084600.135	13814250.32	WDT	SCS_24h_Type_II_Xyr*	J1949	5.25	326.737	699.921	7.796	22.06	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.7	0.016	22.4
CC-gr21_2	2079801.318	13814810.24	WDT	SCS_24h_Type_II_Xyr*	gr21	5.39	367.491	638.896	7.623	7.71	0.01	0.1	0.05	0.05	25	PERVIOUS	3.079	2.5	0.01	21
CC-J1956	2077990.934	13814547.87	WDT	SCS_24h_Type_II_Xyr*	J1956	5	416.936	522.382	5.032	14.68	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1985_2	2083378.951	13814504.43	WDT	SCS_24h_Type_II_Xyr*	J1985	3.82	142.945	1164.078	4.452	10.11	0.01	0.1	0.05	0.05	25	PERVIOUS	2.864	9.2	0.018	22.4
CC-J24	2087314.326	13814621.49	WDT	SCS_24h_Type_II_Xyr*	J24	6.45	262.205	1071.536	8.145	12.86	0.01	0.1	0.05	0.05	25	PERVIOUS	0.691	5.6	0.023	24
CC-gr16	2080113.789	13814483.36	WDT	SCS_24h_Type_II_Xyr*	gr16	5.36	799.254	292.124	6.964	12.81	0.01	0.1	0.05	0.05	25	PERVIOUS	1.258	2.5	0.01	21
BC-3765	2077283.073	13814638.88	WDT	SCS_24h_Type_II_Xyr*	j2877	5.29	355.808	647.631	4.311	5.57	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1991_2	2084815.895	13814186.62	WDT	SCS_24h_Type_II_Xyr*	J1991	8.22	427.806	836.976	8.22	15.24	0.01	0.1	0.05	0.05	25	PERVIOUS	2.57	3.6	0.016	22.4
CC-J2001_1	2083838.165	13814570.16	WDT	SCS_24h_Type_II_Xyr*	J2001	4.36	306.382	619.885	5.387	12.05	0.01	0.1	0.05	0.05	25	PERVIOUS	4.17	4.1	0.012	21.3
CC-J2694	2079760.009	13814432.5	WDT	SCS_24h_Type_II_Xyr*	J2694	2.88	551.09	227.645	6.682	14.49	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J1987	2083017.738	13814571.51	WDT	SCS_24h_Type_II_Xyr*	J1987	3.9	324.062	524.233	4.537	8.33	0.01	0.1	0.05	0.05	25	PERVIOUS	8.333	5.7	0.014	21.6
CC-J1997_1	2079533.974	13814425.84	WDT	SCS_24h_Type_II_Xyr*	J1997	3.08	467.101	287.229	8.03	6.44	0.01	0.1	0.05	0.05	25	PERVIOUS	2.296	2.5	0.01	21
CC-J20_1	2087383.52	13814504.38	WDT	SCS_24h_Type_II_Xyr*	J20	2.44	151.136	703.25	6.178	14.89	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.3	0.018	22.8
CC-J2011_1	2085180.281	13814355.13	WDT	SCS_24h_Type_II_Xyr*	J2011	4.84	162.076	1300.812	7.479	2.95	0.01	0.1	0.05	0.05	25	PERVIOUS	2.006	4.9	0.018	22.8
CC-J1997_2	2079045.184	13814404.34	WDT	SCS_24h_Type_II_Xyr*	J1997	7.61	665.488	498.118	7.078	10.67	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J20_2	2087959.759	13814411.15	WDT	SCS_24h_Type_II_Xyr*	J20	4.3	177.508	1055.209	5.521	8.02	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.6	0.01	21
CC-J2003	2081130.741	13814411.73	WDT	SCS_24h_Type_II_Xyr*	J2003	4.54	336.409	587.863	10.617	13.39	0.01	0.1	0.05	0.05	25	PERVIOUS	1.282	2.5	0.01	21
CC-J2005	2083226.812	13813970.03	WDT	SCS_24h_Type_II_Xyr*	J2005	5.49	358.797	666.517	6.82	9.92	0.01	0.1	0.05	0.05	25	PERVIOUS	8.379	7.6	0.019	22.7
CC-J2016	2083038.275	13814351.9	WDT	SCS_24h_Type_II_Xyr*	J2016	2.86	196.779	633.104	4.414	33.15	0.01	0.1	0.05	0.05	25	PERVIOUS	33.154	10.7	0.019	22.7
CC-J2022	2081499.315	13814308.14	WDT	SCS_24h_Type_II_Xyr*	J2022	6.26	313.57	869.616	7.49	26	0.01	0.1	0.05	0.05	25	PERVIOUS	14.473	2.5	0.01	21
CC-J2011_2	2085664.916	13814366.09	WDT	SCS_24h_Type_II_Xyr*	J2011	5	248.414	876.762	10.616	16.82	0.01	0.1	0.05	0.05	25	PERVIOUS	6.846	2	0.034	26.3
BC-3801	2077470.777	13814302.8	WDT	SCS_24h_Type_II_Xyr*	J2027	5.5	484.388	494.603	4.011	2.72	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2776	2083727.256	13813979.35	WDT	SCS_24h_Type_II_Xyr*	J2776	8.07	899.421	390.839	7.608	6.17	0.01	0.1	0.05	0.05	25	PERVIOUS	2.748	4.9	0.015	21.9
CC-J2001_2	2084193.37	13813921.46	WDT	SCS_24h_Type_II_Xyr*	J2001	5.56	327.509	739.502	7.59	24.87	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.2	0.026	24.6
CC-J27_1	2086976.094	13814281.45	WDT	SCS_24h_Type_II_Xyr*	J27	3.87	188.278	895.363	11.396	19.33	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.8	0.031	25.6
CC-J2030	2085285.629	13814033.54	WDT	SCS_24h_Type_II_Xyr*	J2030	6.55	731.792	389.889	8.139	4.7	0.01	0.1	0.05	0.05	25	PERVIOUS	0.962	2.4	0.018	22.8
CC-J2043_1	2078601.829	13814138.3	WDT	SCS_24h_Type_II_Xyr*	J2043	2.91	238.371	531.774	4.922	20.31	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2032_1	2082919.632	13813863.65	WDT	SCS_24h_Type_II_Xyr*	J2032	4.97	528.258	409.825	7.556	12.74	0.01	0.1	0.05	0.05	25	PERVIOUS	7.775	7	0.019	22.7
CC-J27_2	2087944.161	13814165.02	WDT	SCS_24h_Type_II_Xyr*	J27	2.95	191.005	672.768	5.998	14.36	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.4	0.01	21
CC-J2018_1	2082015.655	13814202.34	WDT	SCS_24h_Type_II_Xyr*	J2018	3.69	314.621	510.889	5.195	32.53	0.01	0.1	0.05	0.05	25	PERVIOUS	23.313	2.5	0.01	21
CC-J2024_1	2086902.886	13814009.48	WDT	SCS_24h_Type_II_Xyr*	J2024	6.41	245.705	1136.402	10.263	17.61	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.8	0.035	26.5
CC-J2020_1	2080394.992	13814081.08	WDT	SCS_24h_Type_II_Xyr*	J2020	4.49	192.217	1017.519	7.422	22.05	0.01	0.1	0.05	0.05	25	PERVIOUS	9.71	2.5	0.01	21
CC-J2823_1	2087275.643	13814164.81	WDT	SCS_24h_Type_II_Xyr*	J2823	2.79	574.993	211.363	6.956	20.91	0.01	0.1	0.05	0.05	25	PERVIOUS	0.214	8.9	0.02	23.3
CC-J2737_1	2085523.064	13813867.44	WDT	SCS_24h_Type_II_Xyr*	J2737	5.68	1001.151	247.136	8.202	8	0.01	0.1	0.05	0.05	25	PERVIOUS	0.555	2	0.037	27.1
CC-J2737_2	2085873.049	13813911.7	WDT	SCS_24h_Type_II_Xyr*	J2737	3.45	240.622	624.556	10.714	34.72	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.04	27.7
CC-J2043_2	2078461.93	13813988.9	WDT	SCS_24h_Type_II_Xyr*	J2043	4.6	391.702	511.552	5.162	15	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-gr14	2079822.562	13813928.91	WDT	SCS_24h_Type_II_Xyr*	gr14	4.01	417.368	418.517	5.589	11.87	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2034_1	2082590.082	13814034.68	WDT	SCS_24h_Type_II_Xyr*	J2034	3.53	638.931	240.663	5.337	11.82	0.01	0.1	0.05	0.05	25	PERVIOUS	10.965	7.3	0.016	22.1
CC-J2045_1	2079367.363	13814028.73	WDT	SCS_24h_Type_II_Xyr*	J2045	4.34	843.812	224.043	8.262	3.79	0.01	0.1	0.05	0.05	25	PERVIOUS	2.281	2.5	0.01	21
CC-J2020_2	2080419.424	13813338.33	WDT	SCS_24h_Type_II_Xyr*	J2020	13.53	699.481	842.577	6.617	8.31	0.01	0.1	0.05	0.05	25	PERVIOUS	0.761	2.5	0.01	21
CC-J2020_3	2080345.988	13813860.26	WDT	SCS_24h_Type_II_Xyr*	J2020	3.54	307.822	500.947	7.453	25.29	0.01	0.1	0.05	0.05	25	PERVIOUS	2.805	2.5	0.01	21
CC-J14	2085979.214	13813721.38	WDT	SCS_24h_Type_II_Xyr*	J14	5.31	268.5	861.466	9.029	10.43	0.01	0.1	0.05	0.05	25	PERVIOUS	2.076	1.9	0.04	27.7
CC-J2032_2	2082770.29	13813642.3	WDT	SCS_24h_Type_II_Xyr*	J2032	2.86	248.456	501.423	8.946	11	0.01	0.1	0.05	0.05	25	PERVIOUS	2.031	5.4	0.024	23.9
CC-J2753	2079168.446	13813597.94	WDT	SCS_24h_Type_II_Xyr*	J2753	5.81	713.948	354.485	8.587	13.35	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
UT1-2944_1	2074915.443	13813949.63	WDT	SCS_24h_Type_II_Xyr*	J2944	5.96	418.449	620.428	5.37	0.79	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-3839	2077659.875	13813808.88	WDT	SCS_24h_Type_II_Xyr*	J2069	3.45	409.673	366.834	3.371	9.3	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2823_2	2087821.264	13813964.78	WDT	SCS_24h_Type_II_Xyr*	J2823	6.18	239.651	1123.303	5.697	21.25	0.01	0.1	0.05	0.05	25	PERVIOUS	6.957	7.3	0.01	21
CC-J2058	2078180.843	13813742.01	WDT	SCS_24h_Type_II_Xyr*	J2058	8.6	414.842	903.033	4.004	7.86	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2705	2081032.432	13813966.01	WDT	SCS_24h_Type_II_Xyr*	J2705	3.18	297.418	465.745	8.138	24.22	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2050_1	2081954.787	13813976.19	WDT	SCS_24h_Type_II_Xyr*	J2050	3.3	257.007	559.316	5.973	20.69	0.01	0.1	0.05	0.05	25	PERVIOUS	12.842	2.5	0.01	21
CC-J2018_2	2081649.658	13813756.64	WDT	SCS_24h_Type_II_Xyr*	J2018	7.15	477.255	652.595	8.619	21.61	0.01	0.1	0.05	0.05	25	PERVIOUS	11.149	2.5	0.012	21.5
CC-J2024_2	2086882.12	13813685.52	WDT	SCS_24h_Type_II_Xyr*	J2024	4.49	231.961	843.178	8.298	19.4	0.01	0.1	0.05	0.05	25	PERVIOUS	3.394	3.6	0.035	26.6
CC-J2034_2	2082553.332	13813594.62	WDT	SCS_24h_Type_II_Xyr*	J2034	3.86	208.207	807.569	7.507	16.2	0.01	0.1	0.05	0.05	25	PERVIOUS	7.19	3.5	0.018	22.8
CC-J2024_3	2087122.298	13813803.86	WDT	SCS_24h_Type_II_Xyr*	J2024	2.93	195.162	653.974	7.012	10.59	0.01	0.1	0.05	0.05	25	PERVIOUS	2.558	6.4	0.027	24.9
UT1-2944_2	2075288.156	13813635.93	WDT	SCS_24h_Type_II_Xyr*	J2944	4.85	960.413	219.974	5.521	4.9	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2050_2	2082184.248	13813767.28	WDT	SCS_24h_Type_II_Xyr*	J2050	3.43	328.672	454.589	6.412	21.1	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2045_2	2079315.743	13813865.79	WDT	SCS_24h_Type_II_Xyr*	J2045	4.27	638.541	291.291	6.988	7.79	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2050_3	2082323.991	13813360.05	WDT	SCS_24h_Type_II_Xyr*	J2050	5.85	352.519	722.872	9.042	27.04	0.01	0.1	0.05	0.05	25	PERVIOUS	9.767	2.3	0.023	23.8
UT9-1_1	2086209.109	13813450.27	WDT	SCS_24h_Type_II_Xyr*	MAS1	3.09	277.55	484.959	7.083	15.45	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.9	0.034	26.4
CC-J2071	2081043.42	13813674.92	WDT	SCS_24h_Type_II_Xyr*	J2071	3.97	249.969	691.819	7.794	24.37	0.01	0.1	0.05	0.05	25	PERVIOUS	4.335	2.5	0.01	21
UT9-1_2	2086291.665	13813275.48	WDT	SCS_24h_Type_II_Xyr*	MAS1	5.65	917.118	268.356	6.717	7.22	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.7	0.032	25.9
UT9-104_1	2087518.436	13813326.33	WDT	SCS_24h_Type_II_Xyr*	J104	8.52	272.04	1364.252	4.962	13.91	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.8	0.018	22.8
CC-J2803	2078753.697	13813466.75	WDT	SCS_24h_Type_II_Xyr*	J2803	4.35	944.378	200.646	6.68	5.96	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT9-106_1	2088162.096	13813221.65	WDT	SCS_24h_Type_II_Xyr*	J106	6.96	252.656	1199.962	5.749	16.51	0.01	0.1	0.05	0.05	25	PERVIOUS	6.109	5.6	0.01	21
UT9-106_2	2088649.867	13813416.36	WDT	SCS_24h_Type_II_Xyr*	J106	10.74	591.944	790.336	3.701	7.39	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.3	0.01	21
UT9-106_3	2088286.135	13813129.03	WDT	SCS_24h_Type_II_Xyr*	J106	2.57	138.663	807.347	4.035	5.78	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.3	0.01	21
CC-J2087	2083938.737	13813473.66	WDT	SCS_24h_Type_II_Xyr*	J2087	9.09	762.238	519.471	8.776	14.95	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.1	0.03	25.5
CC-J2024_4	2087791.147	13813654.74	WDT	SCS_24h_Type_II_Xyr*	J2024	2.64	343.268	335.011	5.338	40.89	0.01	0.1	0.05	0.05	25	PERVIOUS	21.444	7.7	0.01	21
CC-J2060	2085128.88	13813390.65	WDT	SCS_24h_Type_II_Xyr*	J2060	10.23	325.719	1368.108	8.74	6.88	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.04	27.7
UT1-2802	2074695.27	13813617.9	WDT	SCS_24h_Type_II_Xyr*	J2802	2.79	233.411	520.68	6.037	44.59	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT9-1_3	2085847.439	13813271.01	WDT	SCS_24h_Type_II_Xyr*	MAS1	4.77	262.255	792.287	5.014	8.58	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.038	27.4
CC-J2692	2081560.93	13813286.82	WDT	SCS_24h_Type_II_Xyr*	J2692	6.71	996.115	293.428	7.623	24.71	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.011	21.1
CC-J2096	2083713.982	13813076.61	WDT	SCS_24h_Type_II_Xyr*	J2096	3.45	149.96	1002.147	7.136	26.78	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.1	0.03	25.5
CC-J2112_1	2079269.305	13813061.89	WDT	SCS_24h_Type_II_Xyr*	J2112	8.99	851.065	460.135	6.087	3.49	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT1-2098_1	2075131.234	13813389.9	WDT	SCS_24h_Type_II_Xyr*	J2098	5.64	583.369	421.137	5.191	6.82	0.01	0.1	0.05	0.05	25	PERVIOUS	0.653	2.5	0.01	21
UT2-2107_1	2076031.597	13813288.55	WDT	SCS_24h_Type_II_Xyr*	J2107	4.03	289.666	606.032	4.75	4.89	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
BC-3906	2077357.772	13813302.26	WDT	SCS_24h_Type_II_Xyr*	j2069	5.43	161.497	1464.614	4.163	10.23	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J3020	2081026.272	13813238.16	WDT	SCS_24h_Type_II_Xyr*	J3020	7.14	393.19	791.013	6.023	15.99	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT9-109_1	2089235.338	13813120.17	WDT	SCS_24h_Type_II_Xyr*	J109	11.4	645.109	769.768	4.094	1.36	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.2	0.014	21.7
CC-J1	2083218.135	13813360.86	WDT	SCS_24h_Type_II_Xyr*	J1	4.12	169.656	1057.83	9.698	21.44	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2	0.034	26.4
CC-J2076_1	2077668.013	13813179.05	WDT	SCS_24h_Type_II_Xyr*	J2076	6.51	334.882	846.793	3.605	12.11	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2997	2080052.487	13813219.76	WDT	SCS_24h_Type_II_Xyr*	J2997	4.25	362.251	511.054	5.533	7.04	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT2-2107_2	2076603.78	13813421.47	WDT	SCS_24h_Type_II_Xyr*	J2107	3.43	161.535	924.944	4.523	12.47	0.01	0.1	0.05	0.05	25	PERVIOUS	5.109	2.5	0.01	21
UT9-9	2086565.613	13812769.6	WDT	SCS_24h_Type_II_Xyr*	MAS9	5.2	511.875	442.514	6.497	0.9	0.01	0.1	0.05	0.05	25	PERVIOUS	0.905	8.2	0.019	23
UT9-6_1	2086776.654	13812982.83	WDT	SCS_24h_Type_II_Xyr*	MAS6	2.66	447.361	259.007	4.958	0.88	0.01	0.1	0.05	0.05	25	PERVIOUS	0.875	8.8	0.021	23.4
CC-J2995_1	2079831.835	13813065.92	WDT	SCS_24h_Type_II_Xyr*	J2995	7.05	587.378	522.829	6.807	4.24	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT9-104_2	2087196.188	13813197.33	WDT	SCS_24h_Type_II_Xyr*	J104	2.57	180.995	618.521	3.953	12.54	0.01	0.1	0.05	0.05	25	PERVIOUS	7.705	7.2	0.025	24.4
UT9-104_3	2087392.345	13813292.09	WDT	SCS_24h_Type_II_Xyr*	J104	3.95	249.02	690.957	3.924	10.57	0.01	0.1	0.05	0.05	25	PERVIOUS	0.714	8.8	0.021	23.4
UT9-5_1	2086968.44	13812854.12	WDT	SCS_24h_Type_II_Xyr*	MAS5	4.83	317.21	663.267	5.474	29.48	0.01	0.1	0.05	0.05	25	PERVIOUS	19.3	10.2	0.016	22.3
CC-J2076_2	2078094.819	13813184.29	WDT	SCS_24h_Type_II_Xyr*	J2076	2.87	508.934	245.645	4.041	10.31	0.01	0.1	0.05	0.05	25	PERVIOUS	1.676	2.5	0.01	21
CC-J2101_1	2078214.994	13812991.5	WDT	SCS_24h_Type_II_Xyr*	J2101	8.17	205.887	1728.546	3.764	6.68	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT9-90_1	2087816.402	13812552.94	WDT	SCS_24h_Type_II_Xyr*	J90	7.2	506.238	619.535	2.549	20	0.01	0.1	0.05	0.05	25	PERVIOUS	10.647	12.4	0.01	21
UT1-2089_1	2074715.105	13813305.51	WDT	SCS_24h_Type_II_Xyr*	J2089	2.9	287.413	439.521	5.207	0.93	0.01	0.1	0.05	0.05	25	PERVIOUS	0.933	2.5	0.01	21
UT9-106_4	2088505.282	13812818.17	WDT	SCS_24h_Type_II_Xyr*	J106	3.42	242.683	613.867	4.251	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.7	0.01	21
UT9-3	2086321.03	13812851.81	WDT	SCS_24h_Type_II_Xyr*	MAS3	3.84	580.418	288.19	4.723	5.59	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.6	0.016	22.3

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
UT1-2089_2	2074711.448	13813038.09	WDT	SCS_24h_Type_II_Xyr*	J2089	8.49	566.041	653.353	4.18	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2116_1	2084246.163	13813043.05	WDT	SCS_24h_Type_II_Xyr*	J2116	7.92	479.889	718.906	8.12	10.62	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.04	27.7
UT2-2125	2076697.733	13813051.23	WDT	SCS_24h_Type_II_Xyr*	J2125	7.27	882.168	358.981	4.829	2.03	0.01	0.1	0.05	0.05	25	PERVIOUS	2.029	2.5	0.01	21
UT2-2107_3	2076189.28	13812752.63	WDT	SCS_24h_Type_II_Xyr*	J2107	3.94	691.169	248.313	5.417	0.06	0.01	0.1	0.05	0.05	25	PERVIOUS	0.062	2.5	0.01	21
UT2-2107_4	2076347.357	13812743.17	WDT	SCS_24h_Type_II_Xyr*	J2107	3.19	232.423	597.86	5.29	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2103_1	2083246.111	13813080.57	WDT	SCS_24h_Type_II_Xyr*	J2103	5.11	315.2	706.192	9.46	11.09	0.01	0.1	0.05	0.05	25	PERVIOUS	6.212	1.9	0.04	27.7
CC-J2094_1	2081867.735	13813103.18	WDT	SCS_24h_Type_II_Xyr*	J2094	4.39	145.834	1311.274	9.503	30.21	0.01	0.1	0.05	0.05	25	PERVIOUS	7.144	2.5	0.013	21.7
CC-J2094_2	2081346.031	13813072.68	WDT	SCS_24h_Type_II_Xyr*	J2094	2.07	345.304	261.13	7.266	9.78	0.01	0.1	0.05	0.05	25	PERVIOUS	0.707	2.5	0.01	21
UT9-92_1	2088905.534	13812427.1	WDT	SCS_24h_Type_II_Xyr*	J92	9.51	911.918	454.268	4.36	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.9	0.01	21
CC-J2101_2	2077699.844	13812908.31	WDT	SCS_24h_Type_II_Xyr*	J2101	3.81	363.302	456.82	3.818	3.88	0.01	0.1	0.05	0.05	25	PERVIOUS	0.081	2.5	0.01	21
UT9-151	2087366.922	13812716.46	WDT	SCS_24h_Type_II_Xyr*	J151	3.41	167.279	887.975	4.63	23.01	0.01	0.1	0.05	0.05	25	PERVIOUS	0	12.3	0.011	21.2
UT9-5_2	2087200.211	13812759.45	WDT	SCS_24h_Type_II_Xyr*	MAS5	3.27	271.706	524.248	4.816	22.93	0.01	0.1	0.05	0.05	25	PERVIOUS	17.215	12.3	0.011	21.2
CC-J2101_3	2077786.368	13812777.06	WDT	SCS_24h_Type_II_Xyr*	J2101	2.67	218.763	531.649	3.775	5.64	0.01	0.1	0.05	0.05	25	PERVIOUS	5.643	2.5	0.01	21
UT1-2098_2	2075492.911	13813009.39	WDT	SCS_24h_Type_II_Xyr*	J2098	3.44	217.742	688.183	4.384	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT9-109_2	2089381.442	13812796.95	WDT	SCS_24h_Type_II_Xyr*	J109	2.34	172.164	592.054	4.748	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.8	0.01	21
UT9-114	2085321.336	13812804.74	WDT	SCS_24h_Type_II_Xyr*	MAS114	9.69	390.152	1081.877	6.813	2.44	0.01	0.1	0.05	0.05	25	PERVIOUS	1.594	3.6	0.035	26.6
CC-J2103_2	2083249.933	13812973.9	WDT	SCS_24h_Type_II_Xyr*	J2103	2.48	240.41	449.352	10.717	7.08	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.04	27.7
UT9-2_1	2085905.485	13812746.28	WDT	SCS_24h_Type_II_Xyr*	MAS2	4.59	329.245	607.269	6.234	8.26	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.8	0.026	24.7
UT2-2107_5	2076016.346	13812674.83	WDT	SCS_24h_Type_II_Xyr*	J2107	4.27	186.809	995.676	4.436	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2116_2	2084034.141	13812596.77	WDT	SCS_24h_Type_II_Xyr*	J2116	2.82	239.684	512.505	7.929	3.46	0.01	0.1	0.05	0.05	25	PERVIOUS	2.76	1.9	0.04	27.7
CC-J2116_3	2084294.622	13812725.27	WDT	SCS_24h_Type_II_Xyr*	J2116	3.02	292.053	450.436	6.454	16.93	0.01	0.1	0.05	0.05	25	PERVIOUS	3.701	1.9	0.04	27.7
CC-J2112_2	2078771.598	13812905.02	WDT	SCS_24h_Type_II_Xyr*	J2112	2.52	133.914	819.714	3.501	10.08	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT1-2121	2075574.254	13812727.37	WDT	SCS_24h_Type_II_Xyr*	J2121	4.39	292.216	654.408	4.587	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2114_1	2081211.412	13812595.95	WDT	SCS_24h_Type_II_Xyr*	J2114	3.06	185.854	717.195	7.401	16.75	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2140	2083599.706	13812678.23	WDT	SCS_24h_Type_II_Xyr*	J2140	3.05	314.455	422.502	9.693	17.93	0.01	0.1	0.05	0.05	25	PERVIOUS	13.046	1.9	0.04	27.7
UT9-109_3	2088442.033	13812480.15	WDT	SCS_24h_Type_II_Xyr*	J109	5.08	599.924	368.855	3.934	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.5	0.01	21
CC-MASJ2149	2081720.428	13812779.19	WDT	SCS_24h_Type_II_Xyr*	MASJ2149	4.4	243.681	786.536	9.288	13.49	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.016	22.3
CC-J2123	2082069.566	13812876.64	WDT	SCS_24h_Type_II_Xyr*	J2123	2.87	173.083	722.296	11.284	25	0.01	0.1	0.05	0.05	25	PERVIOUS	12.624	2.3	0.02	23.2
UT1-2878_1	2074986.756	13812818.22	WDT	SCS_24h_Type_II_Xyr*	J2878	1.94	223.991	377.276	4.532	16.98	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2136_1	2083462.916	13812525.84	WDT	SCS_24h_Type_II_Xyr*	J2136	3.56	316.378	490.153	8.57	9.59	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.04	27.7
UT9-4_1	2084930.498	13812704.37	WDT	SCS_24h_Type_II_Xyr*	MAS4	3.52	251.463	609.757	8.457	5.7	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.1	0.039	27.6
UT2-2134	2076786.448	13812720.1	WDT	SCS_24h_Type_II_Xyr*	J2134	3.89	267.434	633.608	4.479	0.77	0.01	0.1	0.05	0.05	25	PERVIOUS	0.769	2.5	0.01	21
CC-J2160_1	2079018.881	13812729.63	WDT	SCS_24h_Type_II_Xyr*	J2160	5.1	214.019	1038.02	4.077	15.36	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2114_2	2080999.867	13812597.1	WDT	SCS_24h_Type_II_Xyr*	J2114	3.82	163.348	1018.679	5.858	2.61	0.01	0.1	0.05	0.05	25	PERVIOUS	2.572	2.5	0.01	21
CC-J2995_2	2079791.849	13812762.73	WDT	SCS_24h_Type_II_Xyr*	J2995	3.04	164.894	803.076	5.24	6.89	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2136_2	2082962.549	13812692.18	WDT	SCS_24h_Type_II_Xyr*	J2136	3.27	429.305	331.795	10.225	14	0.01	0.1	0.05	0.05	25	PERVIOUS	13.102	1.9	0.04	27.7
UT1-2183	2074918.594	13812279.08	WDT	SCS_24h_Type_II_Xyr*	J2183	9.78	1183.647	359.919	5.373	7.88	0.01	0.1	0.05	0.05	25	PERVIOUS	0.145	2.4	0.014	22
CC-J2136_3	2083191.71	13812479.17	WDT	SCS_24h_Type_II_Xyr*	J2136	2.8	367.624	331.774	10.319	4.15	0.01	0.1	0.05	0.05	25	PERVIOUS	2.453	1.9	0.04	27.7
UT2-2153	2076736.734	13812520.08	WDT	SCS_24h_Type_II_Xyr*	J2153	3.31	219.382	657.226	5.769	0.17	0.01	0.1	0.05	0.05	25	PERVIOUS	0.167	2.5	0.01	21
CC-J2158	2080169.595	13812654.1	WDT	SCS_24h_Type_II_Xyr*	J2158	3.53	263.517	583.518	5.531	10.95	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-MASJ2814	2077739.628	13826874.74	WDT	SCS_24h_Type_II_Xyr*	MASJ2814	1.01	280.892	156.628	2.323	13.117	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT6-11_1	2083033.122	13812312.71	WDT	SCS_24h_Type_II_Xyr*	MAS11	3.59	217.826	717.914	3.444	38.65	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.04	27.7
CC-MASJ2187	2081997.422	13812637.41	WDT	SCS_24h_Type_II_Xyr*	MASJ2187	7.47	396.108	821.476	10.318	9.34	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.3	0.019	23
UT9-12	2084888.276	13812171	WDT	SCS_24h_Type_II_Xyr*	MAS12	13.3	1322.493	438.073	8.083	8.03	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.6	0.038	27.3
CC-J2160_2	2078653.51	13812650.43	WDT	SCS_24h_Type_II_Xyr*	J2160	3.01	149.039	879.74	2.618	7.13	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT1-2878_2	2075317.075	13812248.72	WDT	SCS_24h_Type_II_Xyr*	J2878	4.81	717.369	292.072	5.41	12.36	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT1-2878_3	2075761.19	13812377.24	WDT	SCS_24h_Type_II_Xyr*	J2878	4.05	147.852	1193.207	4.857	0.02	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2170_1	2078902.767	13812299.44	WDT	SCS_24h_Type_II_Xyr*	J2170	5.75	385.025	650.529	3.516	12.24	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2170_2	2077952.303	13812507.87	WDT	SCS_24h_Type_II_Xyr*	J2170	2.62	209.321	545.226	4.467	1.07	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT2-2162_1	2077220.527	13812450.42	WDT	SCS_24h_Type_II_Xyr*	J2162	4.08	258.788	686.758	4.078	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2174	2079595.408	13812266.43	WDT	SCS_24h_Type_II_Xyr*	J2174	2.57	164.845	679.118	4.373	10.79	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
UT9-92_2	2088143.058	13812148.59	WDT	SCS_24h_Type_II_Xyr*	J92	3.08	235.097	570.678	3.162	12.59	0.01	0.1	0.05	0.05	25	PERVIOUS	0	12.6	0.01	21
UT9-18_1	2085347.365	13812170.61	WDT	SCS_24h_Type_II_Xyr*	MAS18	4.87	1032.078	205.544	6.804	1.98	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6	0.029	25.1
UT9-101_1	2084406.077	13812199.41	WDT	SCS_24h_Type_II_Xyr*	MAS101	4.56	205.724	965.534	6.628	30.94	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.04	27.7
UT9-6_2	2086617.174	13812199.45	WDT	SCS_24h_Type_II_Xyr*	MAS6	5.56	301.121	804.307	11.803	3.09	0.01	0.1	0.05	0.05	25	PERVIOUS	3.087	4.2	0.025	24.3
CC-J2185_1	2080098.98	13812426.87	WDT	SCS_24h_Type_II_Xyr*	J2185	3.97	231.803	746.035	5.272	7.61	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2729	2079144.032	13812352.48	WDT	SCS_24h_Type_II_Xyr*	J2729	3.52	406.69	377.022	4.168	11.76	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-MASJ2703_1	2082103.592	13812440.95	WDT	SCS_24h_Type_II_Xyr*	MASJ2703	3.9	601.364	282.498	10.753	12.01	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.3	0.021	23.4
UT9-7	2086256.391	13812280.01	WDT	SCS_24h_Type_II_Xyr*	MAS7	3.86	225.574	745.394	11.102	7.65	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.9	0.026	24.6
UT2-2162_2	2077148.821	13812224.04	WDT	SCS_24h_Type_II_Xyr*	J2162	3.56	396.213	391.389	5.188	0.07	0.01	0.1	0.05	0.05	25	PERVIOUS	0.067	2.5	0.01	21
UT1-2197	2074729.924	13812065.55	WDT	SCS_24h_Type_II_Xyr*	J2197	6.2	885.272	305.072	5.813	2.47	0.01	0.1	0.05	0.05	25	PERVIOUS	2.467	2.5	0.013	21.7
UT2-2220	2076846.516	13812059.88	WDT	SCS_24h_Type_II_Xyr*	J2220	9.22	933.176	430.383	5.598	0.63	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2170_3	2078037.203	13812388.06	WDT	SCS_24h_Type_II_Xyr*	J2170	2.98	228.872	567.168	4.002	2.6	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT6-19_1	2082538.235	13812166.46	WDT	SCS_24h_Type_II_Xyr*	MAS19	4.7	298.42	686.053	8.964	12.82	0.01	0.1	0.05	0.05	25	PERVIOUS	12.082	1.9	0.04	27.7
CC-MASJ2703_2	2081492.476	13812258.16	WDT	SCS_24h_Type_II_Xyr*	MASJ2703	2.62	290.559	392.785	7.178	11.8	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT9-92_3	2088556.84	13812069.83	WDT	SCS_24h_Type_II_Xyr*	J92	4.23	442.727	416.191	3.856	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10	0.01	21
UT9-8	2086862.565	13812115.63	WDT	SCS_24h_Type_II_Xyr*	MAS8	3.31	208.287	692.235	11.617	12.13	0.01	0.1	0.05	0.05	25	PERVIOUS	6.414	4.2	0.021	23.5
UT1-2243_1	2074468.201	13812145.7	WDT	SCS_24h_Type_II_Xyr*	J2243	4.21	224.967	815.176	4.534	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21.1
CC-MASJ2191	2082116.094	13812161.15	WDT	SCS_24h_Type_II_Xyr*	MASJ2191	6.1	436.699	608.465	7.114	22.17	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.3	0.021	23.5
UT9-2_2	2085943.504	13812321.24	WDT	SCS_24h_Type_II_Xyr*	MAS2	4.14	275.281	655.107	8.783	5.05	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.4	0.027	24.9
CC-J2227_1	2080279.337	13812057.24	WDT	SCS_24h_Type_II_Xyr*	J2227	6.64	936.68	308.791	5.706	8.18	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2185_2	2079845.212	13811886.52	WDT	SCS_24h_Type_II_Xyr*	J2185	7.45	429.895	754.887	4.782	9.36	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2216_1	2078104.411	13812204.9	WDT	SCS_24h_Type_II_Xyr*	J2216	4.55	180.128	1100.318	3.965	10.27	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2227_2	2080707.01	13812169.33	WDT	SCS_24h_Type_II_Xyr*	J2227	2.92	278.954	455.972	5.54	11.68	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT9-4_2	2085658.225	13812070.29	WDT	SCS_24h_Type_II_Xyr*	MAS4	8.61	800.528	468.505	7.636	6.25	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.4	0.03	25.5
UT9-10	2087098.858	13812054.09	WDT	SCS_24h_Type_II_Xyr*	MAS10	6.58	242.659	1181.183	10.475	9.82	0.01	0.1	0.05	0.05	25	PERVIOUS	3.986	5.4	0.02	23.3
CC-J2214	2079951.95	13811511.14	WDT	SCS_24h_Type_II_Xyr*	J2214	5.94	318.761	811.725	4.745	4.31	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2237_1	2081579.123	13811971.28	WDT	SCS_24h_Type_II_Xyr*	J2237	4.83	803.441	261.867	5.518	22.79	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.012	21.3
UT9-13_1	2084301.671	13812059.68	WDT	SCS_24h_Type_II_Xyr*	MAS13	4.58	140.413	1420.843	8.676	4.18	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.04	27.7
UT1-2207	2075348.02	13811936.26	WDT	SCS_24h_Type_II_Xyr*	J2207	5.56	341.999	708.17	6.509	7.64	0.01	0.1	0.05	0.05	25	PERVIOUS	0.882	2.5	0.012	21.4
CC-J2223_1	2078897.985	13811938.53	WDT	SCS_24h_Type_II_Xyr*	J2223	2.52	211.373	519.325	3.828	7.02	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT6-11_2	2083554.58	13811588.23	WDT	SCS_24h_Type_II_Xyr*	MAS11	16.21	846.976	833.681	7.47	9.72	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.2	0.036	26.9
CC-J2807	2079281.726	13811827.5	WDT	SCS_24h_Type_II_Xyr*	J2807	4.66	743.993	272.838	3.972	0.47	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT9-13_2	2084154.589	13811870.39	WDT	SCS_24h_Type_II_Xyr*	MAS13	5.12	296.227	752.893	7.48	12.24	0.01	0.1	0.05	0.05	25	PERVIOUS	2.605	1.9	0.04	27.7
UT9-90_2	2087141.666	13811864.56	WDT	SCS_24h_Type_II_Xyr*	J90	4	252.475	690.128	12.047	0.61	0.01	0.1	0.05	0.05	25	PERVIOUS	0.611	4.7	0.025	24.4
UT6-19_2	2082376.757	13811538.93	WDT	SCS_24h_Type_II_Xyr*	MAS19	4.49	220.15	888.414	7.438	27.92	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.2	0.025	24.4
UT6-19_3	2081997.172	13811708.7	WDT	SCS_24h_Type_II_Xyr*	MAS19	3.56	357.622	433.624	5.001	8.57	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.2	0.037	27
UT6-109	2082967.243	13811762.76	WDT	SCS_24h_Type_II_Xyr*	MAS109	5.08	271.992	813.571	8.506	6.94	0.01	0.1	0.05	0.05	25	PERVIOUS	5.963	3.5	0.036	26.7
UT1-2243_2	2074350.585	13811707.43	WDT	SCS_24h_Type_II_Xyr*	J2243	4.56	466.057	426.2	5.075	20.62	0.01	0.1	0.05	0.05	25	PERVIOUS	20.619	2.5	0.011	21.2
UT1-2243_3	2074631.093	13811561.72	WDT	SCS_24h_Type_II_Xyr*	J2243	4.3	318.585	587.937	6.536	17.85	0.01	0.1	0.05	0.05	25	PERVIOUS	17.85	2.2	0.024	24.1
CC-J2246	2080463.444	13811873.9	WDT	SCS_24h_Type_II_Xyr*	J2246	3.88	881.781	191.672	5.903	7.51	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT6-11_3	2083300.6	13811935.93	WDT	SCS_24h_Type_II_Xyr*	MAS11	3.16	413.539	332.858	9.414	8.33	0.01	0.1	0.05	0.05	25	PERVIOUS	6.19	1.9	0.04	27.7
UT9-18_2	2085262.77	13811303.78	WDT	SCS_24h_Type_II_Xyr*	MAS18	2.92	184.209	690.494	7.227	1.25	0.01	0.1	0.05	0.05	25	PERVIOUS	0.001	2.1	0.039	27.6
CC-J2290_1	2080818.419	13811838.09	WDT	SCS_24h_Type_II_Xyr*	J2290	5.17	406.464	554.059	5.223	6.11	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT9-18_3	2085192.256	13811644.95	WDT	SCS_24h_Type_II_Xyr*	MAS18	3.6	293.827	533.702	6.715	4.84	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.8	0.038	27.2
UT1-2250_1	2075558.263	13811732.5	WDT	SCS_24h_Type_II_Xyr*	J2250	10.95	1049.967	454.283	7.233	15.41	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.014	21.8
CC-J2223_2	2078636.88	13811890.55	WDT	SCS_24h_Type_II_Xyr*	J2223	4.65	366.226	553.085	2.386	2.1	0.01	0.1	0.05	0.05	25	PERVIOUS	0.177	2.5	0.01	21
UT9-90_3	2087482.67	13811967.28	WDT	SCS_24h_Type_II_Xyr*	J90	2.66	327.276	354.042	7.698	1.92	0.01	0.1	0.05	0.05	25	PERVIOUS	1.917	6.4	0.012	21.4
UT6-19_4	2082243.15	13811631.23	WDT	SCS_24h_Type_II_Xyr*	MAS19	5.96	244.828	1060.408	8.395	9	0.01	0.1	0.05	0.05	25	PERVIOUS	3.736	4.8	0.032	25.9
CC-J2216_2	2077719.253	13811939.17	WDT	SCS_24h_Type_II_Xyr*	J2216	5.06	232.688	947.25	7.884	3.13	0.01	0.1	0.05	0.05	25	PERVIOUS	2.262	2.5	0.01	21
UT4-170	2078164.721	13811698.38	WDT	SCS_24h_Type_II_Xyr*	MAS170	10.33	573.355	784.81	7.011	11.1	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J3_1	2081154.914	13811565.93	WDT	SCS_24h_Type_II_Xyr*	J3	3.94	524.795	327.035	3.678	29.15	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.013	21.6

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
UT9-92_4	2088719.636	13811722.95	WDT	SCS_24h_Type_II_Xyr*	J92	3.97	467.237	370.119	4.051	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.2	0.01	21
UT2-2252_1	2076955.762	13811765.29	WDT	SCS_24h_Type_II_Xyr*	J2252	3.32	163.394	885.095	6.149	0.19	0.01	0.1	0.05	0.05	25	PERVIOUS	0.188	2.5	0.01	21
CC-J2272	2079058.517	13811495.67	WDT	SCS_24h_Type_II_Xyr*	J2272	3.43	248.499	601.253	3.702	9.06	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2269	2079390.436	13811372.72	WDT	SCS_24h_Type_II_Xyr*	J2269	7.23	456.062	690.561	4.639	8.38	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J2237_2	2081474.752	13811673.75	WDT	SCS_24h_Type_II_Xyr*	J2237	4.18	504.685	360.781	5.044	9.58	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.018	22.7
UT9-90_4	2087372.862	13811730.27	WDT	SCS_24h_Type_II_Xyr*	J90	4.73	187.804	1097.095	9.326	0.24	0.01	0.1	0.05	0.05	25	PERVIOUS	0.238	4.4	0.021	23.5
UT9-92_5	2087845.134	13811703.48	WDT	SCS_24h_Type_II_Xyr*	J92	6.86	510.125	585.781	6.693	4.98	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.9	0.012	21.4
UT2-2252_2	2076554.669	13811620.62	WDT	SCS_24h_Type_II_Xyr*	J2252	5.13	638.758	349.84	4.708	1.7	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT2-2252_3	2076916.65	13811462.38	WDT	SCS_24h_Type_II_Xyr*	J2252	5.02	370.215	590.66	4.835	0.91	0.01	0.1	0.05	0.05	25	PERVIOUS	0.909	2.5	0.01	21
UT6-152	2082661.019	13811376.34	WDT	SCS_24h_Type_II_Xyr*	MAS152	6.89	523.311	573.518	6.259	8.15	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.9	0.023	23.9
UT1-2250_2	2075734.512	13811544.84	WDT	SCS_24h_Type_II_Xyr*	J2250	5.01	187.966	1161.038	5.89	22.06	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.014	21.9
UT9-86_1	2088515.583	13811074.73	WDT	SCS_24h_Type_II_Xyr*	J86	7.57	939.282	351.065	4.344	2.51	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.2	0.01	21
CC-J2274	2080319.924	13811413.9	WDT	SCS_24h_Type_II_Xyr*	J2274	3.78	349.953	470.511	5.326	11.98	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT9-92_6	2087336.118	13811410.37	WDT	SCS_24h_Type_II_Xyr*	J92	7.57	333.461	988.869	10.7	3.94	0.01	0.1	0.05	0.05	25	PERVIOUS	1.006	4.8	0.028	25.1
UT9-101_2	2084495.707	13811319.24	WDT	SCS_24h_Type_II_Xyr*	MAS101	3.75	365.414	447.027	7.404	9.89	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.04	27.7
UT9-101_3	2084863.798	13811097.87	WDT	SCS_24h_Type_II_Xyr*	MAS101	8.16	576.633	616.423	6.036	7.86	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.04	27.7
UT9-24	2085970.9	13811608.85	WDT	SCS_24h_Type_II_Xyr*	MAS24	4.49	247.153	791.349	9.131	15.49	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.04	27.7
CC-J2290_2	2080525.649	13811255.59	WDT	SCS_24h_Type_II_Xyr*	J2290	6.46	474.11	593.528	4.491	15.23	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT3-20_1	2075874.997	13811246.82	WDT	SCS_24h_Type_II_Xyr*	MAS20	13.54	1021.06	577.637	7.171	17.57	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.015	22.1
UT9-17_1	2086236.723	13811466.58	WDT	SCS_24h_Type_II_Xyr*	MAS17	3.8	264.506	625.801	11.366	15.36	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.04	27.7
UT9-17_2	2085765.141	13811116.13	WDT	SCS_24h_Type_II_Xyr*	MAS17	9.33	533.838	761.307	8.355	8.02	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.04	27.7
UT9-17_3	2086142.698	13811134.52	WDT	SCS_24h_Type_II_Xyr*	MAS17	5.84	288.542	881.641	9.477	8.33	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.04	27.7
UT9-13_3	2084167.373	13811388.29	WDT	SCS_24h_Type_II_Xyr*	MAS13	6.71	335.004	872.49	6.917	9.3	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.04	27.7
UT9-88_1	2088178.964	13811271.66	WDT	SCS_24h_Type_II_Xyr*	J88	4.36	423.675	448.272	5.273	3.34	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.4	0.013	21.7
UT4-15	2077956.809	13811448.87	WDT	SCS_24h_Type_II_Xyr*	J15	3.2	185.598	751.043	9.705	8.6	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT4-23_1	2078353.361	13811171.06	WDT	SCS_24h_Type_II_Xyr*	MAS23	6.41	858.947	325.072	9.563	3.03	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT4-14	2078752.826	13811348.49	WDT	SCS_24h_Type_II_Xyr*	MAS14	2.65	203.569	567.051	7.073	23.79	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT9-88_2	2088086.646	13811404.03	WDT	SCS_24h_Type_II_Xyr*	J88	7.08	270.05	1142.029	6.024	2.49	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.6	0.014	21.9
UT4-23_2	2078147.724	13810906.63	WDT	SCS_24h_Type_II_Xyr*	MAS23	3.45	417.599	359.872	8.246	1.79	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J3_2	2081142.626	13811293.33	WDT	SCS_24h_Type_II_Xyr*	J3	5.14	618.613	361.936	4.534	3.22	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.015	22.1
UT4-35_1	2077592.437	13811059.62	WDT	SCS_24h_Type_II_Xyr*	MAS35	2.95	252.557	508.804	8.084	5.92	0.01	0.1	0.05	0.05	25	PERVIOUS	1.977	2.5	0.01	21
UT4-35_2	2077461.253	13810953.85	WDT	SCS_24h_Type_II_Xyr*	MAS35	4.78	203.433	1023.515	7.212	4.76	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT4-23_3	2077941.76	13811119.55	WDT	SCS_24h_Type_II_Xyr*	MAS23	5.62	245.386	997.641	7.847	8.53	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J3_3	2080897.392	13811090.83	WDT	SCS_24h_Type_II_Xyr*	J3	3.18	195.317	709.21	3.956	3.1	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.013	21.7
UT9-86_2	2088760.018	13810799.88	WDT	SCS_24h_Type_II_Xyr*	J86	3.97	353.85	488.719	3.913	1.02	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.2	0.01	21
UT3-30_1	2076930.921	13810832.4	WDT	SCS_24h_Type_II_Xyr*	MAS30	6.92	322.726	934.028	4.296	4.16	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT9-22	2084502.558	13810903.53	WDT	SCS_24h_Type_II_Xyr*	MAS22	5.59	295.822	823.131	6.358	4.39	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.04	27.7
UT9-88_3	2087570.479	13811084.02	WDT	SCS_24h_Type_II_Xyr*	J88	5.92	377.436	683.229	9.04	2.86	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.7	0.023	24
UT4-35_3	2077369.877	13810594.9	WDT	SCS_24h_Type_II_Xyr*	MAS35	8.14	588.149	602.872	5.73	6.68	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT3-31	2076127.404	13810768.21	WDT	SCS_24h_Type_II_Xyr*	MAS31	8.6	1367.564	273.929	7.354	6.63	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.011	21.3
UT6-150	2082032.797	13811099.67	WDT	SCS_24h_Type_II_Xyr*	MAS150	3.67	234.015	683.141	8.316	4.77	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.9	0.032	25.8
UT6-34_1	2080965.386	13810862.67	WDT	SCS_24h_Type_II_Xyr*	MAS34	6.47	936.3	301.007	3.617	3.47	0.01	0.1	0.05	0.05	25	PERVIOUS	0.528	4.3	0.012	21.6
UT4-40_1	2079254.409	13810709.13	WDT	SCS_24h_Type_II_Xyr*	MAS40	8.17	465.918	763.837	6.429	8.9	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT8-102_1	2087063.054	13810470.13	WDT	SCS_24h_Type_II_Xyr*	J102	13.74	731.414	818.298	10.279	0.35	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.6	0.026	24.6
UT6-27	2083287.15	13810933.5	WDT	SCS_24h_Type_II_Xyr*	MAS27	7.41	660.798	488.469	7.62	3.09	0.01	0.1	0.05	0.05	25	PERVIOUS	0.123	4.7	0.032	25.9
UT6-2_Rev_1	2082180.14	13810724.81	WDT	SCS_24h_Type_II_Xyr*	S_MAS2_Rev	6.75	470.238	625.279	7.632	5.98	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.2	0.022	23.7
UT6-26_1	2083872.101	13810817.49	WDT	SCS_24h_Type_II_Xyr*	MAS26	4.09	239.593	743.596	6.236	13.59	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.04	27.7
UT6-34_2	2081315.135	13810827.31	WDT	SCS_24h_Type_II_Xyr*	MAS34	2.93	203.314	627.752	6.788	6.02	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.1	0.021	23.4
UT6-143	2081393.291	13810607.52	WDT	SCS_24h_Type_II_Xyr*	MAS143	3.17	210.685	655.411	6.44	4.21	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.3	0.019	23.1
UT6-110_1	2081680.032	13810270.09	WDT	SCS_24h_Type_II_Xyr*	MAS110	5.13	535.699	417.142	7.893	4.89	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.5	0.021	23.5
UT3-20_2	2075943.868	13810977.45	WDT	SCS_24h_Type_II_Xyr*	MAS20	4.37	213.348	892.238	8.163	14.66	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.016	22.4

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
UT4-32	2079013.203	13810506.22	WDT	SCS_24h_Type_II_Xyr*	MAS32	4.29	200.664	931.27	6.463	16.99	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT6-33_1	2085584.348	13810663.22	WDT	SCS_24h_Type_II_Xyr*	MAS33	5.43	500.083	472.983	10.877	0.24	0.01	0.1	0.05	0.05	25	PERVIOUS	0.238	2	0.035	26.6
UT8-94	2086446.218	13810822.91	WDT	SCS_24h_Type_II_Xyr*	J94	5.75	609.575	410.893	9.865	5.48	0.01	0.1	0.05	0.05	25	PERVIOUS	2.134	1.9	0.04	27.6
UT8-98_1	2087413.41	13810904.45	WDT	SCS_24h_Type_II_Xyr*	J98	3.28	204.55	698.493	10.295	1.27	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.03	25.4
UT4-42	2079505.301	13810544.36	WDT	SCS_24h_Type_II_Xyr*	MAS42	2.71	190.084	621.029	6.944	3.27	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT3-13	2075249.391	13810103.32	WDT	SCS_24h_Type_II_Xyr*	J13	5.56	339.849	712.651	7.075	3.21	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.015	22.2
UT3-39	2076395.474	13810598.42	WDT	SCS_24h_Type_II_Xyr*	MAS39	2.6	201.904	560.94	6.507	11.8	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT3-180_1	2075406.679	13810108.98	WDT	SCS_24h_Type_II_Xyr*	MAS180	4	175.857	990.805	7.123	5.37	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.016	22.4
UT3-162	2075595.772	13810539.54	WDT	SCS_24h_Type_II_Xyr*	J162	5.98	427.725	609.01	8.85	9.32	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.3	0.019	23.1
UT6-2_Rev_2	2082080.14	13810477.08	WDT	SCS_24h_Type_II_Xyr*	S_MAS2_Rev	2.66	204.638	566.217	7.218	1.91	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.3	0.019	23.1
UT4-38	2079915.101	13810607.83	WDT	SCS_24h_Type_II_Xyr*	MAS38	9.65	335.331	1253.549	6.007	5.97	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT6-33_2	2085255.2	13810613.12	WDT	SCS_24h_Type_II_Xyr*	MAS33	4.77	416.742	498.585	10.55	2.48	0.01	0.1	0.05	0.05	25	PERVIOUS	2.476	2	0.035	26.6
UT6-34_3	2080601.277	13810518.28	WDT	SCS_24h_Type_II_Xyr*	MAS34	5.59	301.242	808.322	4.62	8.55	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.6	0.02	23.1
UT6-135	2081486.171	13810331.36	WDT	SCS_24h_Type_II_Xyr*	MAS135	2.51	439.415	248.821	5.17	12.95	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.5	0.013	21.7
UT8-98_2	2087559.569	13810730.96	WDT	SCS_24h_Type_II_Xyr*	J98	5.01	156.346	1395.85	7.941	2.09	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.024	24.2
UT3-5_Rev_1	2076482.8	13810477.26	WDT	SCS_24h_Type_II_Xyr*	S_MAS5_Rev	2.76	237.228	506.793	6.174	19.75	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT6-184	2081980.767	13809897.29	WDT	SCS_24h_Type_II_Xyr*	MAS184	11.83	1163.396	442.94	9.595	6.15	0.01	0.1	0.05	0.05	25	PERVIOUS	0	9.2	0.019	23.1
UT6-26_2	2083646.54	13810701.51	WDT	SCS_24h_Type_II_Xyr*	MAS26	3.86	336.608	499.518	6.783	10.99	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.04	27.7
UT4-107_1	2078508.77	13810592.82	WDT	SCS_24h_Type_II_Xyr*	MAS107	6.28	990.482	276.186	8.765	1.86	0.01	0.1	0.05	0.05	25	PERVIOUS	0.76	2.5	0.01	21
UT9-86_3	2088484.514	13810892.85	WDT	SCS_24h_Type_II_Xyr*	J86	5.87	128.752	1985.967	4.285	3.48	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.9	0.012	21.3
UT4-35_4	2078126.064	13810429.24	WDT	SCS_24h_Type_II_Xyr*	MAS35	3.73	367.559	442.048	5.92	7.22	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT6-37_1	2084197.287	13810272.64	WDT	SCS_24h_Type_II_Xyr*	MAS37	10.84	676.627	697.859	10.624	2.64	0.01	0.1	0.05	0.05	25	PERVIOUS	1.695	1.9	0.039	27.5
UT4-107_2	2078676.712	13810223.32	WDT	SCS_24h_Type_II_Xyr*	MAS107	6.89	1029.297	291.586	6.245	1.32	0.01	0.1	0.05	0.05	25	PERVIOUS	1.223	2.5	0.01	21
UT3-5_Rev_2	2075905.732	13810257.46	WDT	SCS_24h_Type_II_Xyr*	S_MAS5_Rev	5.87	270.562	945.06	7.518	7.71	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.013	21.6
UT3-49	2075047.769	13810043.35	WDT	SCS_24h_Type_II_Xyr*	MAS49	3.19	211.938	655.646	7.147	19.38	0.01	0.1	0.05	0.05	25	PERVIOUS	19.375	2.4	0.016	22.4
UT6-37_2	2084465.22	13809925.27	WDT	SCS_24h_Type_II_Xyr*	MAS37	3.96	200.154	861.824	9.241	1.58	0.01	0.1	0.05	0.05	25	PERVIOUS	1.579	2.1	0.03	25.4
UT3-47	2074794.25	13810040.99	WDT	SCS_24h_Type_II_Xyr*	MAS47	7.08	485.102	635.752	5.265	25.64	0.01	0.1	0.05	0.05	25	PERVIOUS	25.636	2.4	0.013	21.8
UT6-43_1	2085782.335	13810351.81	WDT	SCS_24h_Type_II_Xyr*	MAS43	3.26	265.832	534.193	10.559	0.4	0.01	0.1	0.05	0.05	25	PERVIOUS	0.4	2	0.037	27
UT6-8_Rev_1	2084516.616	13809262.78	WDT	SCS_24h_Type_II_Xyr*	S_MAS8_Rev	5.79	157.192	1604.486	6.878	4.34	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.8	0.014	21.9
UT6-45	2085083.816	13810259.08	WDT	SCS_24h_Type_II_Xyr*	MAS45	3.67	210.605	759.076	9.825	1.63	0.01	0.1	0.05	0.05	25	PERVIOUS	1.632	2	0.034	26.3
UT6-43_2	2086001.435	13810316.97	WDT	SCS_24h_Type_II_Xyr*	MAS43	2.7	188.182	624.991	10.091	6.16	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.039	27.6
UT6-175	2082833.272	13810479.2	WDT	SCS_24h_Type_II_Xyr*	MAS175	3.01	406.878	322.248	8.855	6	0.01	0.1	0.05	0.05	25	PERVIOUS	1.296	7	0.026	24.5
UT6-183	2085061.859	13809902.6	WDT	SCS_24h_Type_II_Xyr*	MAS183	5.39	718.592	326.734	9.182	4.42	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.3	0.028	24.9
UT6-149_Rev	2085420.617	13809893.89	WDT	SCS_24h_Type_II_Xyr*	MAS149_Rev	3.82	603.219	275.852	8.441	0.76	0.01	0.1	0.05	0.05	25	PERVIOUS	0.679	2.2	0.024	24.1
UT6-8_Rev_2	2084594.762	13809238.27	WDT	SCS_24h_Type_II_Xyr*	S_MAS8_Rev	4.95	151.168	1426.373	7.533	2.96	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4	0.018	22.8
UT4-36	2079962.826	13810148.71	WDT	SCS_24h_Type_II_Xyr*	MAS36	10.31	341.465	1315.226	6.333	11.03	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.2	0.024	24
UT6-134_1	2080967.981	13810294.62	WDT	SCS_24h_Type_II_Xyr*	MAS134	3.94	450.002	381.39	5.411	7.19	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.9	0.019	23
UT6-43_3	2085500.12	13810194.44	WDT	SCS_24h_Type_II_Xyr*	MAS43	4.76	500.776	414.049	10.624	0.61	0.01	0.1	0.05	0.05	25	PERVIOUS	0.603	2	0.034	26.4
UT6-73_1	2083797.169	13809770.97	WDT	SCS_24h_Type_II_Xyr*	MAS73	2.85	166.853	744.044	9.55	4.05	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.2	0.028	25
UT6-56_1	2085004.978	13809659.17	WDT	SCS_24h_Type_II_Xyr*	MAS56	5	148.97	1462.039	7.916	5.88	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.8	0.021	23.5
UT6-2_Rev_3	2082595.186	13810248.59	WDT	SCS_24h_Type_II_Xyr*	S_MAS2_Rev	4.92	920.138	232.916	7.588	23.85	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10	0.017	22.6
UT6-1_Rev_1	2082890.996	13810083.66	WDT	SCS_24h_Type_II_Xyr*	S_MAS1_Rev	3.49	135.066	1125.556	8.389	15.57	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.9	0.023	23.9
UT8-102_2	2086894.234	13810000.11	WDT	SCS_24h_Type_II_Xyr*	J102	8.14	411.435	861.809	8.524	2.44	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.1	0.028	25.1
UT4-41_1	2077668.595	13810245.55	WDT	SCS_24h_Type_II_Xyr*	MAS41	4.14	241.018	748.236	5.515	30.6	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT6-73_2	2083919.241	13809253.5	WDT	SCS_24h_Type_II_Xyr*	MAS73	9.02	1018.481	385.782	7.105	5.64	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.3	0.016	22.3
UT8-102_3	2087221.028	13810086.42	WDT	SCS_24h_Type_II_Xyr*	J102	5.57	702.579	345.341	7.733	0.79	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.019	23
UT6-7_Rev_1	2083285.241	13809541.93	WDT	SCS_24h_Type_II_Xyr*	S_MAS7_Rev	5.54	822.402	293.436	9.351	2.5	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.7	0.019	23
UT3-5_Rev_3	2076326.691	13810019.44	WDT	SCS_24h_Type_II_Xyr*	S_MAS5_Rev	3.75	520.99	313.538	7.163	5.71	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT6-6_Rev_1	2083151.064	13809772.47	WDT	SCS_24h_Type_II_Xyr*	S_MAS6_Rev	3.83	162.163	1028.809	9.077	5.04	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.3	0.022	23.6
UT6-1_Rev_2	2083014.962	13809850.68	WDT	SCS_24h_Type_II_Xyr*	S_MAS1_Rev	3.8	221.306	747.96	8.504	10.23	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.4	0.021	23.5
UT6-7_Rev_2	2083610.086	13809481.02	WDT	SCS_24h_Type_II_Xyr*	S_MAS7_Rev	7.04	193.456	1585.179	7.8	11.67	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.9	0.019	23.1

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
UT6-56_2	2085975.141	13809814.28	WDT	SCS_24h_Type_II_Xyr*	MAS56	7.98	325.387	1068.293	9.125	14.69	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2	0.035	26.6
UT3-30_2	2076908.698	13810258.52	WDT	SCS_24h_Type_II_Xyr*	MAS30	3.75	221.797	736.484	4.311	15.41	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT6-1_Rev_3	2082761.461	13809757.37	WDT	SCS_24h_Type_II_Xyr*	S_MAS1_Rev	3.47	620.42	243.63	8.031	6.24	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10	0.017	22.6
UT6-1_Rev_4	2082475.805	13809973.09	WDT	SCS_24h_Type_II_Xyr*	S_MAS1_Rev	3.57	771.328	201.612	5.868	16.54	0.01	0.1	0.05	0.05	25	PERVIOUS	0	12	0.012	21.4
UT6-7_Rev_3	2083460.604	13809680.11	WDT	SCS_24h_Type_II_Xyr*	S_MAS7_Rev	5	177.618	1226.227	9.352	3.49	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.6	0.025	24.3
UT4-41_2	2077743.698	13810051.05	WDT	SCS_24h_Type_II_Xyr*	MAS41	5.64	539.289	455.56	5.851	12.63	0.01	0.1	0.05	0.05	25	PERVIOUS	10.386	2.5	0.01	21
UT4-40_2	2079329.476	13809888.37	WDT	SCS_24h_Type_II_Xyr*	MAS40	3.36	494.374	296.054	7.774	8.37	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT6-134_2	2080898.187	13810011.33	WDT	SCS_24h_Type_II_Xyr*	MAS134	4.97	380.815	568.5	5.975	11.56	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.6	0.024	24
UT4-125	2079026.456	13809738.29	WDT	SCS_24h_Type_II_Xyr*	MAS125	4.28	901.448	206.819	6.005	3.8	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT6-37_3	2084146.981	13809582.1	WDT	SCS_24h_Type_II_Xyr*	MAS37	3.08	205.063	654.261	8.485	7.95	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.3	0.023	23.9
UT3-176	2076745.914	13810114.64	WDT	SCS_24h_Type_II_Xyr*	MAS176	3.19	249.054	557.937	5.955	8.67	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT3-180_2	2075734.958	13809511.08	WDT	SCS_24h_Type_II_Xyr*	MAS180	5.97	738.239	352.262	7.259	12.67	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT4-59_1	2077449.235	13809594.26	WDT	SCS_24h_Type_II_Xyr*	MAS59	3.33	163.303	888.256	7.017	23	0.01	0.1	0.05	0.05	25	PERVIOUS	0.795	2.4	0.014	21.9
UT3-57_1	2076301.64	13809785.8	WDT	SCS_24h_Type_II_Xyr*	MAS57	4.11	686.903	260.636	7.964	0.66	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT4-59_2	2077172.981	13809642.01	WDT	SCS_24h_Type_II_Xyr*	MAS59	5.71	522.01	476.481	4.803	24.64	0.01	0.1	0.05	0.05	25	PERVIOUS	9.503	2.5	0.01	21
UT6-110_2	2081207.407	13809865.81	WDT	SCS_24h_Type_II_Xyr*	MAS110	3.54	239.12	644.875	4.964	15.57	0.01	0.1	0.05	0.05	25	PERVIOUS	2.719	9.9	0.011	21.2
UT3-57_2	2076014.689	13809751.19	WDT	SCS_24h_Type_II_Xyr*	MAS57	3.08	316.577	423.798	6.814	5.93	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT4-113_1	2078160.911	13809892.73	WDT	SCS_24h_Type_II_Xyr*	MAS113	2.75	315.483	379.704	6.007	16.73	0.01	0.1	0.05	0.05	25	PERVIOUS	4.864	2.5	0.01	21
UT4-55_1	2079967.516	13809684.84	WDT	SCS_24h_Type_II_Xyr*	MAS55	5.18	363.331	621.034	7.152	12.9	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.2	0.023	24
UT8-102_4	2086751.824	13809820.07	WDT	SCS_24h_Type_II_Xyr*	J102	2.61	224.416	506.611	7.603	9.04	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.037	27.1
UT4-169_1	2080559.673	13809711.9	WDT	SCS_24h_Type_II_Xyr*	MAS169	3.57	343.857	452.25	8.626	16.09	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.038	27.2
UT6-52_1	2081415.357	13809626.24	WDT	SCS_24h_Type_II_Xyr*	MAS52	5.56	715.532	338.48	8.334	3.92	0.01	0.1	0.05	0.05	25	PERVIOUS	0.761	7.8	0.023	24
UT6-58	2086142.322	13809512.36	WDT	SCS_24h_Type_II_Xyr*	MAS58	6.62	424.193	679.802	6.395	16.79	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2	0.035	26.7
UT4-181	2077938.94	13809329.5	WDT	SCS_24h_Type_II_Xyr*	MAS181	10.78	751.601	624.769	8.591	20.08	0.01	0.1	0.05	0.05	25	PERVIOUS	12.148	2.4	0.014	21.9
UT4-55_2	2079693.088	13809717.59	WDT	SCS_24h_Type_II_Xyr*	MAS55	3.15	314.714	435.996	8.15	11.57	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT6-8_Rev_3	2084792.029	13809191.52	WDT	SCS_24h_Type_II_Xyr*	S_MAS8_Rev	4.55	156.423	1267.064	6.532	11.15	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.1	0.013	21.7
UT4-113_2	2078502.938	13809699.78	WDT	SCS_24h_Type_II_Xyr*	MAS113	5.08	735.5	300.863	6.404	5.71	0.01	0.1	0.05	0.05	25	PERVIOUS	1.198	2.5	0.01	21
UT4-123_1	2078221.16	13809537.5	WDT	SCS_24h_Type_II_Xyr*	MAS123	4.58	265.558	751.266	6.281	28.91	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT4-169_2	2080214.195	13809416.91	WDT	SCS_24h_Type_II_Xyr*	MAS169	4.5	432.87	452.838	8.643	13.72	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.015	22.2
UT8-102_5	2086866.224	13809613.04	WDT	SCS_24h_Type_II_Xyr*	J102	4.31	346.552	541.747	8.315	12.96	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2	0.035	26.6
UT3-51	2074917.134	13809634.16	WDT	SCS_24h_Type_II_Xyr*	MAS51	1.49	338.342	191.831	5.416	30.5	0.01	0.1	0.05	0.05	25	PERVIOUS	24.459	2.5	0.01	21
UT3-57_3	2076415.905	13809555.36	WDT	SCS_24h_Type_II_Xyr*	MAS57	3.52	636.725	240.812	6.395	12.77	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT6-52_2	2081175.484	13809086.67	WDT	SCS_24h_Type_II_Xyr*	MAS52	3.17	194.616	709.526	6.573	15.44	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3	0.021	23.4
UT6-52_3	2081306.479	13809276.95	WDT	SCS_24h_Type_II_Xyr*	MAS52	2.78	313.002	386.888	8.819	12.03	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.6	0.033	26.2
UT3-54	2075084.388	13809572.85	WDT	SCS_24h_Type_II_Xyr*	MAS54	1.75	187.667	406.198	5.749	26.26	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT4-123_2	2079058.074	13809485.82	WDT	SCS_24h_Type_II_Xyr*	MAS123	2.41	246.211	426.381	6.402	4.91	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT4-169_3	2080821.409	13809332.4	WDT	SCS_24h_Type_II_Xyr*	MAS169	6.17	546.007	492.238	8.975	8.74	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2	0.037	27
UT6-69	2085295.996	13809098.97	WDT	SCS_24h_Type_II_Xyr*	MAS69	9.2	1127.134	355.55	5.619	2.51	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4.7	0.013	21.8
UT3-61_1	2076689.638	13809400.53	WDT	SCS_24h_Type_II_Xyr*	MAS61	3.43	399.793	373.72	7.258	22.07	0.01	0.1	0.05	0.05	25	PERVIOUS	15.58	2.5	0.01	21
UT6-8_Rev_4	2084262.966	13808794.35	WDT	SCS_24h_Type_II_Xyr*	S_MAS8_Rev	4.46	474.041	409.833	6.311	1.93	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.5	0.01	21.1
UT4-116_1	2079893.934	13808965.79	WDT	SCS_24h_Type_II_Xyr*	MAS116	6.19	692.493	389.371	8.433	8.46	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.012	21.4
UT6-64_1	2082288.802	13809263.02	WDT	SCS_24h_Type_II_Xyr*	MAS64	9.39	895.275	456.875	12.191	5.93	0.01	0.1	0.05	0.05	25	PERVIOUS	0	8.3	0.022	23.7
UT3-62_1	2075500.409	13808969.47	WDT	SCS_24h_Type_II_Xyr*	MAS62	8.8	874.708	438.235	7.659	7.15	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT3-62_2	2075017.899	13809265.19	WDT	SCS_24h_Type_II_Xyr*	MAS62	5.2	293.475	771.827	6.61	16	0.01	0.1	0.05	0.05	25	PERVIOUS	7.125	2.5	0.01	21
UT4-67_1	2079314.728	13809064.86	WDT	SCS_24h_Type_II_Xyr*	MAS67	2.08	149.63	605.526	6.1	10.66	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT4-123_3	2078948.329	13809236.39	WDT	SCS_24h_Type_II_Xyr*	MAS123	3.27	512.137	278.131	5.786	12.31	0.01	0.1	0.05	0.05	25	PERVIOUS	10.41	2.5	0.01	21
UT4-59_3	2077259.487	13809161.82	WDT	SCS_24h_Type_II_Xyr*	MAS59	6.7	766.466	380.776	6.258	23	0.01	0.1	0.05	0.05	25	PERVIOUS	2.634	2.3	0.022	23.6
UT6-76_1	2085890.505	13809079.56	WDT	SCS_24h_Type_II_Xyr*	MAS76	7.4	313.943	1026.76	6.441	0.63	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.3	0.032	25.8
UT4-67_2	2079156.206	13809148.8	WDT	SCS_24h_Type_II_Xyr*	MAS67	2.98	388.41	334.206	7.696	2.08	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT4-116_2	2080380.563	13809099.53	WDT	SCS_24h_Type_II_Xyr*	MAS116	4.25	297.975	621.294	10.671	11.7	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.3	0.022	23.7
UT6-74_1	2086134.731	13808777.77	WDT	SCS_24h_Type_II_Xyr*	MAS74	8.77	364.482	1048.121	7.583	8.24	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2	0.035	26.5

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
UT3-61_2	2076288.334	13809085	WDT	SCS_24h_Type_II_Xyr*	MAS61	9.59	1267.136	329.673	7.994	12.51	0.01	0.1	0.05	0.05	25	PERVIOUS	4.847	2.5	0.01	21
UT6-6_Rev_2	2082679.039	13809010.54	WDT	SCS_24h_Type_II_Xyr*	S_MAS6_Rev	4.5	242.086	809.712	13.733	12.27	0.01	0.1	0.05	0.05	25	PERVIOUS	0.009	5.6	0.03	25.4
UT6-74_2	2086449.217	13808682.28	WDT	SCS_24h_Type_II_Xyr*	MAS74	8.66	456.255	826.796	7.675	6.42	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2	0.037	27
UT6-77	2084966.132	13808437.05	WDT	SCS_24h_Type_II_Xyr*	MAS77	6.01	565.953	462.575	5.375	10.26	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.9	0.01	21
UT4-66_1	2078336.206	13809005.01	WDT	SCS_24h_Type_II_Xyr*	MAS66	4.86	188.485	1123.175	7.409	17.43	0.01	0.1	0.05	0.05	25	PERVIOUS	10.244	2.5	0.013	21.6
UT6-64_2	2081823.185	13808957.88	WDT	SCS_24h_Type_II_Xyr*	MAS64	8.96	892.5	437.308	12.175	5.25	0.01	0.1	0.05	0.05	25	PERVIOUS	1.435	3.9	0.031	25.7
UT3-80_1	2076983.291	13808829.81	WDT	SCS_24h_Type_II_Xyr*	MAS80	4.99	299.573	725.581	6.323	28.54	0.01	0.1	0.05	0.05	25	PERVIOUS	10.741	2.3	0.019	23.1
UT6-6_Rev_3	2082883.392	13808698.25	WDT	SCS_24h_Type_II_Xyr*	S_MAS6_Rev	10.62	1085.272	426.259	13.32	2.65	0.01	0.1	0.05	0.05	25	PERVIOUS	2.052	5.1	0.031	25.7
UT4-168	2079403.17	13808740.26	WDT	SCS_24h_Type_II_Xyr*	MAS168	4.64	426.179	474.257	6.055	6.63	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.012	21.5
UT4-137	2080819.666	13808835.03	WDT	SCS_24h_Type_II_Xyr*	MAS137	5.17	352.933	638.096	10.45	3.91	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.3	0.023	23.9
UT3-119	2076181.008	13808607.22	WDT	SCS_24h_Type_II_Xyr*	MAS119	5.88	981.648	260.921	8.764	13.48	0.01	0.1	0.05	0.05	25	PERVIOUS	6.161	2.5	0.01	21
UT3-80_2	2076504.932	13808419.96	WDT	SCS_24h_Type_II_Xyr*	MAS80	5.9	1054.562	243.707	7.835	13.8	0.01	0.1	0.05	0.05	25	PERVIOUS	0.248	2.5	0.01	21
UT6-76_2	2085460.935	13808401.59	WDT	SCS_24h_Type_II_Xyr*	MAS76	6.33	649.003	424.859	5.443	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.6	0.013	21.8
UT6-76_3	2085576.654	13808738.64	WDT	SCS_24h_Type_II_Xyr*	MAS76	2.15	172.363	543.353	5.879	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.5	0.019	23
UT4-116_3	2080079.954	13808995.16	WDT	SCS_24h_Type_II_Xyr*	MAS116	1.67	246.45	295.172	8.592	17.88	0.01	0.1	0.05	0.05	25	PERVIOUS	11.3	2.5	0.01	21
UT7-85_1	2087071.359	13808445.69	WDT	SCS_24h_Type_II_Xyr*	MAS85	5.12	326.625	682.823	7.318	2.86	0.01	0.1	0.05	0.05	25	PERVIOUS	2.857	1.9	0.04	27.7
UT7-85_2	2087302.005	13808433.53	WDT	SCS_24h_Type_II_Xyr*	MAS85	4.99	286.089	759.779	6.386	6.91	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.04	27.7
UT7-85_3	2087566.294	13808596.63	WDT	SCS_24h_Type_II_Xyr*	MAS85	4.39	242.072	789.965	6.757	7.29	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.2	0.036	26.8
UT6-106	2083393.329	13808698.23	WDT	SCS_24h_Type_II_Xyr*	MAS106	2.9	375.359	336.542	15.463	1.46	0.01	0.1	0.05	0.05	25	PERVIOUS	0.312	10	0.017	22.6
UT4-66_2	2078251.626	13808823.61	WDT	SCS_24h_Type_II_Xyr*	MAS66	4.4	177.506	1079.761	8.598	6.33	0.01	0.1	0.05	0.05	25	PERVIOUS	3.253	2.4	0.017	22.5
UT6-73_3	2083590.23	13808611.69	WDT	SCS_24h_Type_II_Xyr*	MAS73	2.49	200.604	540.689	11.947	9.55	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.6	0.014	21.9
UT4-105_1	2079088.445	13808601.5	WDT	SCS_24h_Type_II_Xyr*	MAS105	5.18	704.573	320.252	4.744	15.05	0.01	0.1	0.05	0.05	25	PERVIOUS	9.731	2.5	0.01	21
UT4-79	2080509.154	13808547.08	WDT	SCS_24h_Type_II_Xyr*	MAS79	7.28	904.61	350.556	14.295	1.74	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.1	0.029	25.3
UT4-68	2079737.598	13808880.02	WDT	SCS_24h_Type_II_Xyr*	MAS68	5.08	161.357	1371.399	7.861	21.96	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.014	22
UT6-185	2083568.266	13808299.25	WDT	SCS_24h_Type_II_Xyr*	MAS185	6.89	421.294	712.397	10.345	3.64	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.6	0.023	23.9
UT3-80_3	2075696.944	13808384.65	WDT	SCS_24h_Type_II_Xyr*	MAS80	2.54	260.998	423.92	6.881	20.08	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT6-63	2083684.747	13807962.9	WDT	SCS_24h_Type_II_Xyr*	MAS63	14.47	567.026	1111.613	10.423	2.1	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.3	0.023	23.8
UT4-75	2078153.943	13808634.67	WDT	SCS_24h_Type_II_Xyr*	MAS75	4.71	295.945	693.263	8.675	13.17	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.018	22.7
UT6-104_1	2081516.773	13808454.51	WDT	SCS_24h_Type_II_Xyr*	MAS104	9.31	643.171	630.538	9.359	10.69	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.3	0.02	23.2
UT3-80_4	2076984.255	13808559.62	WDT	SCS_24h_Type_II_Xyr*	MAS80	4.04	357.08	492.837	8.593	25.53	0.01	0.1	0.05	0.05	25	PERVIOUS	25.499	2.3	0.021	23.4
UT3-71	2075809.33	13808741.69	WDT	SCS_24h_Type_II_Xyr*	MAS71	3.86	175.98	955.459	7.263	13.5	0.01	0.1	0.05	0.05	25	PERVIOUS	5.659	2.5	0.01	21
UT6-104_2	2082052.118	13808524.69	WDT	SCS_24h_Type_II_Xyr*	MAS104	3.22	888.008	157.953	10.842	6.08	0.01	0.1	0.05	0.05	25	PERVIOUS	0	1.9	0.038	27.2
UT4-82_1	2077840.947	13808175.71	WDT	SCS_24h_Type_II_Xyr*	MAS82	11.09	708.34	681.989	10.004	17.71	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2	0.035	26.5
UT7-89_1	2086838.816	13808164.08	WDT	SCS_24h_Type_II_Xyr*	MAS89	3.1	238.131	567.066	7.712	2.47	0.01	0.1	0.05	0.05	25	PERVIOUS	2.467	1.9	0.04	27.7
UT7-103_1	2086668.304	13808020.52	WDT	SCS_24h_Type_II_Xyr*	MAS103	4.39	197.852	966.522	7.004	2.24	0.01	0.1	0.05	0.05	25	PERVIOUS	2.235	2	0.033	26.2
UT6-8_Rev_5	2084453.433	13808422.96	WDT	SCS_24h_Type_II_Xyr*	S_MAS8_Rev	1.75	357.634	213.151	6.157	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.1	0.01	21.1
UT7-89_2	2087034.995	13807976.79	WDT	SCS_24h_Type_II_Xyr*	MAS89	3.78	520.616	316.273	6.284	2.44	0.01	0.1	0.05	0.05	25	PERVIOUS	0.137	1.9	0.04	27.7
UT6-90_1	2085879.909	13808006.25	WDT	SCS_24h_Type_II_Xyr*	MAS90	5.18	578.404	390.109	6.898	2.49	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.2	0.015	22.1
UT4-83	2078404.504	13808401.42	WDT	SCS_24h_Type_II_Xyr*	MAS83	3.03	406.771	324.474	7.248	18.09	0.01	0.1	0.05	0.05	25	PERVIOUS	2.798	2.5	0.01	21
UT6-8_Rev_6	2084532.37	13808349.28	WDT	SCS_24h_Type_II_Xyr*	S_MAS8_Rev	2.15	206.103	454.404	5.689	4.92	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.8	0.01	21
UT4-84_1	2080841.103	13808215.71	WDT	SCS_24h_Type_II_Xyr*	MAS84	6.97	1102.361	275.421	12.362	2.96	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.2	0.026	24.6
UT4-105_2	2079295.44	13808427.61	WDT	SCS_24h_Type_II_Xyr*	MAS105	2.59	393.629	286.616	6.262	4.92	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT6-81_1	2081821.815	13808127.04	WDT	SCS_24h_Type_II_Xyr*	MAS81	3.94	416.026	412.538	8.44	5.88	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.017	22.6
UT6-81_2	2082086.04	13808133.18	WDT	SCS_24h_Type_II_Xyr*	MAS81	4.17	322.602	563.063	7.559	20.29	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.2	0.023	23.9
UT6-128_1	2085013.648	13807732.2	WDT	SCS_24h_Type_II_Xyr*	MAS128	7.34	931.425	343.27	6.053	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.9	0.015	22.2
UT4-84_2	2081227.304	13808004.18	WDT	SCS_24h_Type_II_Xyr*	MAS84	4.48	469.816	415.373	8.182	7.04	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.013	21.8
UT6-78_Rev_1	2082941.959	13808037.88	WDT	SCS_24h_Type_II_Xyr*	MAS78_Rev	6.94	575.743	525.072	13.097	2.01	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.2	0.027	24.8
UT7-89_3	2086632.207	13807766.85	WDT	SCS_24h_Type_II_Xyr*	MAS89	4.76	172.767	1200.146	6.001	1.46	0.01	0.1	0.05	0.05	25	PERVIOUS	0.627	2.1	0.03	25.4
UT6-90_2	2085716.982	13807675.44	WDT	SCS_24h_Type_II_Xyr*	MAS90	2.97	807.896	160.136	4.95	0.12	0.01	0.1	0.05	0.05	25	PERVIOUS	0.118	5.9	0.015	22
UT6-132	2085934.924	13808209.59	WDT	SCS_24h_Type_II_Xyr*	MAS132	2.34	209.406	486.76	6.271	6.64	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.017	22.5
UT4-167	2080082.376	13808158.72	WDT	SCS_24h_Type_II_Xyr*	MAS167	6.24	313.655	866.603	8.865	10.34	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.2	0.026	24.5

Subcatchments SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Rain Gage	Outlet	Area (ac)	Width (ft)	Flow Length (ft)	Slope (%)	Imperv. (%)	N Imperv	N Perv	Dstore Imperv (in)	Dstore Perv (in)	Zero Imperv (%)	Subarea Routing	Percent Routed (%)	Suction Head (in)	Conductivity (in/hr)	Initial Deficit (frac.)
UT6-78_Rev_2	2082394.206	13808121.12	WDT	SCS_24h_Type_II_Xyr*	MAS78_Rev	4.61	221.545	906.414	10.768	11.05	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.2	0.026	24.5
UT6-78_Rev_3	2082637.019	13807992.05	WDT	SCS_24h_Type_II_Xyr*	MAS78_Rev	3.12	270.617	502.212	11.789	3.79	0.01	0.1	0.05	0.05	25	PERVIOUS	0.809	2.3	0.02	23.3
UT4-120	2078957.723	13808291.81	WDT	SCS_24h_Type_II_Xyr*	MAS120	1.69	186.246	395.264	4.73	28.6	0.01	0.1	0.05	0.05	25	PERVIOUS	25.696	2.5	0.01	21
UT6-122	2084417.136	13807936.24	WDT	SCS_24h_Type_II_Xyr*	MAS122	13.32	590.364	982.816	8.374	1.84	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.9	0.023	23.9
UT4-58	2079628.221	13808153.61	WDT	SCS_24h_Type_II_Xyr*	J58	2.71	184.891	638.471	9.609	12.5	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.014	21.8
UT4-86_1	2078681.554	13808048.65	WDT	SCS_24h_Type_II_Xyr*	MAS86	6.01	335.77	779.687	7.965	26	0.01	0.1	0.05	0.05	25	PERVIOUS	18.443	2.4	0.014	22
UT6-90_3	2086028.933	13807898.95	WDT	SCS_24h_Type_II_Xyr*	MAS90	1.84	165.312	484.843	6.075	1.2	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.7	0.019	23
UT7-117	2087207.141	13807319.54	WDT	SCS_24h_Type_II_Xyr*	MAS117	20.21	408.854	2153.208	5.408	9.67	0.01	0.1	0.05	0.05	25	PERVIOUS	0	3.9	0.035	26.5
UT4-82_2	2078245.247	13808069.9	WDT	SCS_24h_Type_II_Xyr*	MAS82	3.53	228.902	671.758	10.3	8.99	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.3	0.02	23.2
UT6-92_1	2086086.405	13807695.15	WDT	SCS_24h_Type_II_Xyr*	MAS92	3.19	308.742	450.073	5.445	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	4	0.015	22.1
UT4-86_2	2079143.822	13808093.45	WDT	SCS_24h_Type_II_Xyr*	MAS86	1.95	199.445	425.892	7.949	0.9	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
UT4-88_1	2079951.07	13807804.26	WDT	SCS_24h_Type_II_Xyr*	MAS88	12.49	547.449	993.818	15.452	5.89	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.1	0.029	25.3
UT7-103_2	2086510.228	13807076.82	WDT	SCS_24h_Type_II_Xyr*	MAS103	11.58	613.581	822.1	4.974	2.73	0.01	0.1	0.05	0.05	25	PERVIOUS	0	6.2	0.016	22.4
UT6-128_2	2085004.724	13807818.78	WDT	SCS_24h_Type_II_Xyr*	MAS128	2.68	462.98	252.151	5.838	0.88	0.01	0.1	0.05	0.05	25	PERVIOUS	0.875	8.8	0.013	21.6
UT4-84_3	2080921.285	13807757.54	WDT	SCS_24h_Type_II_Xyr*	MAS84	4.36	555.341	341.991	8.602	13.32	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.4	0.014	21.9
UT4-88_2	2079082.763	13807828.69	WDT	SCS_24h_Type_II_Xyr*	MAS88	0.74	232.749	138.494	7.036	13.75	0.01	0.1	0.05	0.05	25	PERVIOUS	12.685	2.5	0.01	21
UT4-87	2078594.093	13807751.48	WDT	SCS_24h_Type_II_Xyr*	MAS87	4.68	210.803	967.068	10.465	10.5	0.01	0.1	0.05	0.05	25	PERVIOUS	5.961	2.2	0.023	23.9
UT6-92_2	2086036.939	13807334.07	WDT	SCS_24h_Type_II_Xyr*	MAS92	4.51	542.655	362.027	5.56	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.8	0.01	21
UT4-91_1	2079066.358	13807652.65	WDT	SCS_24h_Type_II_Xyr*	MAS91	4.23	149.906	1229.162	10.655	11.53	0.01	0.1	0.05	0.05	25	PERVIOUS	6.924	2.3	0.018	22.9
UT4-91_2	2078987.412	13807523.77	WDT	SCS_24h_Type_II_Xyr*	MAS91	4.25	379.381	487.979	12.256	18.11	0.01	0.1	0.05	0.05	25	PERVIOUS	14.988	2.3	0.021	23.5
UT4-91_3	2079136.356	13807420.41	WDT	SCS_24h_Type_II_Xyr*	MAS91	4.51	826.612	237.664	12.522	17.35	0.01	0.1	0.05	0.05	25	PERVIOUS	14.777	2.3	0.022	23.7
UT4-95_1	2079584.436	13807331.03	WDT	SCS_24h_Type_II_Xyr*	MAS95	3.52	308.539	496.959	13.019	0.93	0.01	0.1	0.05	0.05	25	PERVIOUS	0.933	2.2	0.026	24.5
UT6-93_1	2084756.895	13807424.04	WDT	SCS_24h_Type_II_Xyr*	MAS93	8.23	345.406	1037.906	6.886	0.03	0.01	0.1	0.05	0.05	25	PERVIOUS	0.029	2.8	0.019	23.1
UT6-93_2	2085550.64	13807175	WDT	SCS_24h_Type_II_Xyr*	MAS93	4.51	543.827	361.246	4.736	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	7.4	0.01	21
UT6-3	2084509.097	13807159.38	WDT	SCS_24h_Type_II_Xyr*	3	3.52	203.499	753.474	6.713	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.3	0.02	23.3
UT6-96	2084836.333	13807244.62	WDT	SCS_24h_Type_II_Xyr*	MAS96	2.45	101.58	1050.62	5.714	1	0.01	0.1	0.05	0.05	25	PERVIOUS	1	2.4	0.017	22.5
UT6-127_1	2086175.013	13807004.45	WDT	SCS_24h_Type_II_Xyr*	MAS127	3.24	197.758	713.672	6.06	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	5.3	0.01	21
UT6-127_2	2085893.594	13806822.33	WDT	SCS_24h_Type_II_Xyr*	MAS127	3.06	436.771	305.18	5.116	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.3	0.01	21
UT6-97	2084150.337	13807139.92	WDT	SCS_24h_Type_II_Xyr*	MAS97	3.62	123.636	1275.415	9.949	0.61	0.01	0.1	0.05	0.05	25	PERVIOUS	0.611	2	0.035	26.6
UT5-99_1	2084570.253	13806863.15	WDT	SCS_24h_Type_II_Xyr*	MAS99	7.64	408.032	815.618	6.905	0.45	0.01	0.1	0.05	0.05	25	PERVIOUS	0.455	2.2	0.025	24.4
UT4-100_1	2078663.907	13806988.07	WDT	SCS_24h_Type_II_Xyr*	MAS100	8.46	620.425	593.976	10.694	2.86	0.01	0.1	0.05	0.05	25	PERVIOUS	2.865	2.8	0.023	23.8
UT4-95_2	2079212.408	13807164.08	WDT	SCS_24h_Type_II_Xyr*	MAS95	4.92	200.259	1070.19	13.564	7.88	0.01	0.1	0.05	0.05	25	PERVIOUS	6.658	2.1	0.03	25.4
UT4-100_2	2079309.508	13806940.32	WDT	SCS_24h_Type_II_Xyr*	MAS100	5.92	432.823	595.798	8.29	3.6	0.01	0.1	0.05	0.05	25	PERVIOUS	3.6	4.5	0.011	21.3
UT5-99_2	2085125.692	13807003.27	WDT	SCS_24h_Type_II_Xyr*	MAS99	3.48	224.484	675.277	4.12	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-MAS1359	2078145.564	13827086.55	WDT	SCS_24h_Type_II_Xyr*	MAS1359	1.87	172.862	471.227	2.714	5.94	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-MASJ127	2078481.143	13826977.23	WDT	SCS_24h_Type_II_Xyr*	MASJ127	3.65	298.754	532.19	6.654	2.388	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J810	2078081.396	13827541.5	WDT	SCS_24h_Type_II_Xyr*	J810	5.86	439.97	580.18	4.747	18.331	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21
CC-J97	2078631.741	13826428.12	WDT	SCS_24h_Type_II_Xyr*	J97	1.69	156.466	470.495	2.575	15.333	0.01	0.1	0.05	0.05	25	PERVIOUS	0.087	2.5	0.01	21
UT-_1	2088322.887	13834052.92	WDT	SCS_24h_Type_II_Xyr*	AmmanLWCUS	223.894044	5550.865	1756.992	2.218	1.81	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.1	0.021	23.1
UT-_2	2087901.058	13831679.13	WDT	SCS_24h_Type_II_Xyr*	AmmanLWCUS	32.35	5716.9	246.491	5.943	0.3	0.01	0.1	0.05	0.05	25	PERVIOUS	0	11.4	0.02	22.8
UT-816_2	2085561.453	13832801.61	WDT	SCS_24h_Type_II_Xyr*	J816	859.215956	5550.865	6742.633	2.218	1.81	0.01	0.1	0.05	0.05	25	PERVIOUS	0	10.1	0.021	23.1
BC-1385_2	2075851.458	13821992.62	WDT	SCS_24h_Type_II_Xyr*	J1385	5.41	250	942.638	2.698	0	0.01	0.1	0.05	0.05	25	PERVIOUS	0	2.5	0.01	21

* - X represents the return interval modeled

Junctions SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Inflows	Invert Elev. (ft)	Rim Elev. (ft)	Depth (ft)	Time Series
AmmanLWCDS	2086894.503	13832162.16		NO	1361.45	1386.45	25	
AmmanLWCUS	2086946.68	13832167.7		NO	1362	1371	9	
BalcIntoCity	2075832.389	13819980.29	WDT	YES	1280	1315	35	BalcIntoCity_Xyr*
CibIntoCity	2077143.389	13825326.29	WDT	YES	1276	1318	42	CibIntoCity_Xyr*
F1	2079270.389	13812666.29		NO	1339.94	1353.94	14	
f14	2078578.078	13812265.16		NO	1366	1375	9	
f15	2078600.292	13812247.37		NO	1365.77	1374.77	9	
F3	2079202.805	13812384.41		NO	1347	1360	13	
F4	2079182.883	13812427.59		NO	1345.83	1354.83	9	
f5	2078760.43	13812206.76		NO	1360.54	1369.54	9	
f6	2078784.308	13812208.49		NO	1359.32	1370.32	11	
f7	2078884.305	13812234.53		NO	1356	1367	11	
f8	2078917.427	13812235.83		NO	1355.44	1365.44	10	
f9	2079085.008	13812370.57		NO	1347.18	1357.18	10	
GR1	2083710.081	13813520.38		NO	1373	1392	19	
GR10	2080167.664	13815687.25		NO	1284.18	1303.18	19	
GR11	2078385.093	13815067.22		NO	1339	1366	27	
GR12	2080526.477	13815351.98		NO	1277	1299	22	
GR13	2080463.377	13815333.09		NO	1278	1298	20	
gr14	2079872.486	13814265.82		NO	1297	1321	24	
gr15	2079896.393	13814262.84		NO	1295.37	1312.37	17	
gr16	2080020.834	13814448.93		NO	1293	1318	25	
gr17	2080031.656	13814499.32		NO	1292	1317	25	
gr18	2080039.321	13814529.2		NO	1291	1315	24	
gr19	2080157.668	13814668.32		NO	1289.2	1313.2	24	
gr20	2080182.232	13814693.44		NO	1288.3	1312.3	24	
gr21	2080275.828	13814771.3		NO	1287.4	1313.4	26	
GR4	2083707.37	13814287.4		NO	1344	1382	38	
GR5	2083683.577	13814330.45		NO	1342.09	1355.09	13	
GR7	2083971.293	13815258.97		NO	1313.04	1330.04	17	
GR8	2083973.495	13815203.25		NO	1314	1329	15	
GR9	2083913.805	13815008.19		NO	1318.42	1333.42	15	
J_0406_3	2086851.112	13819404.52		NO	1260.94	1285.94	25	
J1	2083611.45	13813519.58		NO	1369.83	1405.83	36	
J10	2086701.367	13816519.23		NO	1281.11	1292.11	11	
J100	2088416.471	13810360.11		NO	1291.89	1358.89	67	
J1000	2085369.389	13825134.29	WDT	NO	1293.77	1303.77	10	
J1004	2086578.389	13825728.29	WDT	NO	1305.08	1325.08	20	
J101	2078435.167	13825468.98		NO	1318	1328	10	
J1012	2077578.389	13825452.29	WDT	NO	1295.41	1335.41	40	
J1016	2086113.389	13825686.29	WDT	NO	1304	1323	19	
J102	2087959.738	13809947.64		NO	1309	1374	65	
J1023	2083443.389	13825539.29	WDT	NO	1300.36	1310.36	10	
J1027	2078863.127	13825592.91	WDT	NO	1321	1333	12	
J1031	2081805.389	13825374.29	WDT	NO	1308.59	1332.59	24	
J1033	2086689.389	13825089.29	WDT	NO	1298	1313	15	
J1037	2083611.389	13825317.29	WDT	NO	1299.19	1310.19	11	
J104	2087813.126	13812861.36		NO	1307.85	1335.85	28	
J1043	2080152.125	13824951.74	WDT	NO	1336.77	1355.77	19	
J1045	2083845.389	13825146.29	WDT	NO	1297.34	1310.34	13	

Junctions SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Inflows	Invert Elev. (ft)	Rim Elev. (ft)	Depth (ft)	Time Series
J1047	2084523.389	13825317.29	WDT	NO	1290	1305	15	
J1049	2081589.389	13825227.29	WDT	NO	1321.18	1345.18	24	
J1053	2086056.389	13825173.29	WDT	NO	1298.81	1311.81	13	
J106	2088418.402	13812684.2		NO	1311.39	1339.39	28	
J1060	2078392.389	13824977.92	WDT	NO	1311.6	1356.6	45	
J1069	2086401.389	13824909.29	WDT	NO	1295.8	1308.8	13	
J107	2079294.668	13826043.89		NO	1329	1354	25	
J1074	2085408.389	13824687.29	WDT	NO	1289.34	1302.34	13	
J108	2079330.068	13826187.52		NO	1333.36	1343.36	10	
J1083	2080014.389	13824642.29	WDT	NO	1319.1	1342.1	23	
J1085	2079159.389	13824714.29	WDT	NO	1308	1324	16	
J109	2088619.387	13812439.91		NO	1311.26	1342.26	31	
J1093	2079480.389	13824432.29	WDT	NO	1307.02	1323.02	16	
J1095	2086872.389	13824552.29	WDT	NO	1291.4	1305.4	14	
J11	2076438.488	13820119.98		NO	1277	1313	36	
J110	2079340.815	13826072.08		NO	1331	1341	10	
J1100	2086344.389	13824630.29	WDT	NO	1293	1306	13	
J1102	2085084.389	13824438.29	WDT	NO	1285.61	1297.61	12	
J1104	2082888.389	13823949.29	WDT	NO	1279.15	1326.15	47	
J1106	2084358.389	13824594.29	WDT	NO	1284.15	1305.15	21	
J1110	2082825.389	13824531.29	WDT	NO	1281	1328	47	
J1112	2080011.389	13824417.29	WDT	NO	1313	1336	23	
J1117	2085375.389	13824501.29	WDT	NO	1286	1300	14	
J112	2088049.121	13818257.08		NO	1233.8	1263.8	30	
J1121	2081721.389	13824339.29	WDT	NO	1319.05	1337.05	18	
J113	2080573.255	13823911.72		NO	1320.94	1329.94	9	
J1133	2086377.389	13824456.29	WDT	NO	1292.24	1305.24	13	
J1138	2078400.389	13824042.29	WDT	NO	1273.46	1321.46	48	
J1140	2085300.389	13824321.29	WDT	NO	1282.11	1295.11	13	
J1143	2078214.389	13824348.29	WDT	NO	1274.25	1318.25	44	
J1149	2084679.389	13824318.29	WDT	NO	1282.09	1303.09	21	
J115	2080841.723	13823590.5		NO	1318.75	1339.75	21	
J1151	2079771.389	13824045.29	WDT	NO	1292	1318	26	
J1153	2083179.389	13823832.29	WDT	NO	1289	1305	16	
J1155	2085012.389	13824075.29	WDT	NO	1280.01	1297.01	17	
J1157	2076813.389	13823982.29	WDT	NO	1316.01	1329.01	13	
J116	2087072.802	13817415.48		NO	1259	1283	24	
J1161	2087352.389	13824003.29	WDT	NO	1286.25	1306.25	20	
J1163	2080044.389	13823754.29	WDT	NO	1294.06	1316.06	22	
J1168	2077452.389	13824360.29	WDT	NO	1314	1350	36	
J117	2087083.354	13817443.8		NO	1257.12	1283.12	26	
J1170	2081927.121	13823895.05	WDT	NO	1310	1333	23	
J1178	2084859.389	13824246.29	WDT	NO	1281	1298	17	
J1182	2076681.389	13823913.29	WDT	NO	1316.58	1329.58	13	
J1185	2085801.389	13823904.29	WDT	NO	1275	1302	27	
J1190	2078670.389	13823748.29	WDT	NO	1269	1318	49	
J1192	2081910.389	13823937.29	WDT	NO	1309.89	1327.89	18	
J1197	2086380.389	13823676.29	WDT	NO	1285.06	1299.06	14	
J1199	2085924.389	13823730.29	WDT	NO	1274.32	1305.32	31	
J12	2086673.486	13816453.38		NO	1283	1295	12	

Junctions SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Inflows	Invert Elev. (ft)	Rim Elev. (ft)	Depth (ft)	Time Series
J120	2087632.708	13822709.73		NO	1272	1284	12	
J1203	2074889.204	13823550.29	WDT	NO	1340.72	1359.72	19	
J121	2087613.83	13822682.66		NO	1272.22	1284.22	12	
J1212	2084568.389	13823673.29	WDT	NO	1289.12	1300.12	11	
J122	2088281.505	13822135.69		NO	1271	1286	15	
J1223	2083131.389	13823220.29	WDT	NO	1277.25	1305.25	28	
J1227	2084616.389	13823253.29	WDT	NO	1288.94	1301.94	13	
J123	2087989.523	13821526.65		NO	1257.07	1277.07	20	
J1232	2085765.389	13823436.29	WDT	NO	1277.99	1288.99	11	
J1234	2082069.389	13823166.29	WDT	NO	1293.84	1316.84	23	
J1236	2083215.389	13823079.29	WDT	NO	1276	1304	28	
J1238	2075313.389	13823331.29	WDT	NO	1330	1349	19	
J1240	2086773.389	13823229.29	WDT	NO	1278.63	1294.63	16	
J1242	2077971.389	13823133.29	WDT	NO	1310.54	1318.54	8	
J1245	2075877.389	13823355.29	WDT	NO	1323	1337	14	
J1249	2076348.389	13822887.29	WDT	NO	1311.12	1328.12	17	
J125	2087957.617	13821246.08		NO	1267.74	1278.74	11	
J1255	2078883.389	13823331.29	WDT	NO	1267.12	1319.12	52	
J1259	2077236.389	13823181.29	WDT	NO	1314.5	1324.5	10	
J1269	2085525.389	13823424.29	WDT	NO	1281.61	1292.61	11	
J1271	2081049.389	13823052.29	WDT	NO	1264	1319	55	
J1279	2086284.389	13823169.29	WDT	NO	1270	1296	26	
J1283	2086353.389	13822989.29	WDT	NO	1269.54	1302.54	33	
J1285	2082207.389	13823073.29	WDT	NO	1291.88	1310.88	19	
J1287	2079207.389	13823097.29	WDT	NO	1266.21	1328.21	62	
J1289	2077842.389	13823235.29	WDT	NO	1311.02	1321.02	10	
J1291	2081153.788	13822988.97	WDT	NO	1263.5	1318.5	55	
J1293	2077374.389	13823106.29	WDT	NO	1314	1324	10	
J1295	2082462.439	13823141.35	WDT	NO	1289.68	1308.68	19	
J1297	2083344.389	13822737.29	WDT	NO	1274	1292	18	
J1299	2082687.389	13822728.29	WDT	NO	1283	1308	25	
J13	2075475.388	13809612.9		NO	1376.08	1393.08	17	
J1301	2087055.389	13822881.29	WDT	NO	1265.06	1290.06	25	
J1305	2078118.389	13822809.29	WDT	NO	1298	1316	18	
J1307	2078232.389	13822605.29	WDT	NO	1294.81	1320.81	26	
J1309	2075727.389	13822224.29	WDT	NO	1313.62	1334.62	21	
J131	2087955.063	13821308.36		NO	1265.85	1288.85	23	
J1316	2083419.389	13822461.29	WDT	NO	1273.03	1293.03	20	
J1318	2075592.389	13822281.29	WDT	NO	1317.51	1338.51	21	
J1324	2076450.389	13822194.29	WDT	NO	1300.02	1319.02	19	
J133	2086759.183	13824948.25		NO	1296.7	1320.7	24	
J1330	2076438.389	13822299.29	WDT	NO	1301	1319	18	
J1332	2078298.389	13822410.29	WDT	NO	1289.62	1323.62	34	
J1334	2078331.389	13822344.29	WDT	NO	1287.11	1321.11	34	
J1336	2075274.389	13822374.29	WDT	NO	1326.39	1344.39	18	
J1344	2081394.389	13822311.29	WDT	NO	1262.04	1306.04	44	
J1346	2082156.389	13822209.29	WDT	NO	1289.63	1306.63	17	
J135	2086887.367	13824870.08		NO	1295.49	1325.49	30	
J1350	2081336.556	13822389.99	WDT	NO	1262.73	1309.73	47	
J1354	2078385.389	13822197.29	WDT	NO	1285	1319	34	

Junctions SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Inflows	Invert Elev. (ft)	Rim Elev. (ft)	Depth (ft)	Time Series
J1358	2075799.389	13822209.29	WDT	NO	1312	1334	22	
J1362	2080725.389	13821834.29	WDT	NO	1285.83	1303.83	18	
J1364	2082743.042	13822245.01	WDT	NO	1277	1302	25	
J1369	2086476.389	13822110.29	WDT	NO	1282	1295	13	
J137	2084211.228	13826825.74		NO	1303	1314	11	
J1371	2083389.389	13822095.29	WDT	NO	1267	1289	22	
J1377	2079333.389	13822059.29	WDT	NO	1292	1319	27	
J1379	2078367.389	13822101.29	WDT	NO	1283	1319	36	
J138	2085049.764	13817079.45		NO	1265.24	1299.24	34	
J1385	2076359.72	13822073.64	WDT	NO	1301.75	1315.75	14	
J1388	2087088.389	13822179.29	WDT	NO	1269.92	1286.92	17	
J139	2085085.466	13817057.98		NO	1268.79	1282.79	14	
J1390	2075859.389	13822092.29	WDT	NO	1310	1332	22	
J1392	2076669.389	13821930.29	WDT	NO	1294.53	1311.53	17	
J1394	2075901.389	13822044.29	WDT	NO	1309.5	1323.5	14	
J1396	2077152.389	13821924.29	WDT	NO	1301	1318	17	
J1398	2086902.389	13822104.29	WDT	NO	1275.32	1292.32	17	
J14	2085710.239	13813816.62		NO	1348.47	1361.47	13	
J1403	2087352.389	13822200.29	WDT	NO	1265.42	1281.42	16	
J1406	2081385.389	13821819.29	WDT	NO	1261.99	1304.99	43	
J141	2079960.405	13824360.39		NO	1311.74	1328.74	17	
J1410	2087145.389	13822206.29	WDT	NO	1268	1284	16	
J1415	2083047.389	13821843.29	WDT	NO	1266	1288	22	
J1420	2077845.389	13821552.29	WDT	NO	1282	1331	49	
J1422	2081424.389	13821747.29	WDT	NO	1261	1290	29	
J1426	2080968.389	13821741.29	WDT	NO	1280	1304	24	
J1428	2080020.389	13821444.29	WDT	NO	1284.09	1307.09	23	
J143	2078895.6	13824911.57		NO	1314	1323	9	
J1430	2079687.389	13821543.29	WDT	NO	1262.29	1293.29	31	
J1432	2076603.389	13821663.29	WDT	NO	1297.62	1318.62	21	
J1435	2081358.389	13821516.29	WDT	NO	1260	1302	42	
J1446	2083365.389	13821060.29	WDT	NO	1269.08	1302.08	33	
J145	2078958.677	13824879.07		NO	1312	1321	9	
J1452	2081316.389	13821366.29	WDT	NO	1258.71	1300.71	42	
J1454	2082930.389	13820844.29	WDT	NO	1260.93	1293.93	33	
J1463	2080119.389	13820616.29	WDT	NO	1257.04	1289.04	32	
J1465	2076684.389	13820712.29	WDT	NO	1292	1316	24	
J1467	2081235.389	13821132.29	WDT	NO	1257.67	1289.67	32	
J1469	2077998.389	13821246.29	WDT	NO	1280	1297	17	
J147	2078994.82	13825155.7		NO	1317	1331	14	
J1475	2077284.389	13821180.29	WDT	NO	1284	1304	20	
J1478	2078676.389	13821576.29	WDT	NO	1264	1293	29	
J148	2078970.358	13825094.33		NO	1315	1324	9	
J1480	2082606.389	13821003.29	WDT	NO	1271.04	1285.04	14	
J1482	2078292.389	13821648.29	WDT	NO	1278	1292	14	
J1484	2086824.389	13820859.29	WDT	NO	1283.08	1295.08	12	
J15	2078378.844	13811240.59		NO	1355	1398	43	
J1500	2083677.389	13820811.29	WDT	NO	1264	1299	35	
J1504	2080068.389	13820739.29	WDT	NO	1259	1291	32	
J151	2087381.066	13812410.76		NO	1306	1344	38	

Junctions SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Inflows	Invert Elev. (ft)	Rim Elev. (ft)	Depth (ft)	Time Series
J1510	2082918.389	13819758.29	WDT	NO	1265.09	1278.09	13	
J152	2082537.34	13810177.48		NO	1347	1428	81	
J1525	2077248.389	13820730.29	WDT	NO	1281.64	1295.64	14	
J1527	2085717.389	13820598.29	WDT	NO	1283.04	1296.04	13	
J1536	2081466.389	13820340.29	WDT	NO	1264.02	1294.02	30	
J1538	2078289.389	13820628.29	WDT	NO	1281	1303	22	
J1542	2080770.389	13819926.29	WDT	NO	1255	1287	32	
J1544	2086059.389	13820274.29	WDT	NO	1279	1293	14	
J1551	2085876.389	13820400.29	WDT	NO	1281.49	1295.49	14	
J1553	2083182.389	13820280.29	WDT	NO	1267.42	1277.42	10	
J1560	2079552.389	13820265.29	WDT	NO	1276	1299	23	
J1563	2083266.389	13820208.29	WDT	NO	1266.37	1283.37	17	
J1567	2078754.389	13820430.29	WDT	NO	1268	1302	34	
J157	2078672.752	13808361.59		NO	1306.71	1316.71	10	
J1571	2079963.389	13820133.29	WDT	NO	1272	1291	19	
J1573	2086647.389	13819749.29	WDT	NO	1267.16	1282.16	15	
J158	2078200.726	13810451.69		NO	1354	1386	32	
J1584	2086575.389	13819875.29	WDT	NO	1269.47	1282.47	13	
J1586	2076981.389	13820007.29	WDT	NO	1275.02	1299.02	24	
J1588	2086338.389	13819083.29	WDT	NO	1260	1269	9	
J159	2078247.967	13810426.66		NO	1351.2	1364.2	13	
J1590	2079393.389	13820130.29	WDT	NO	1279.36	1302.36	23	
J1593	2077242.389	13819620.29	WDT	NO	1272	1296	24	
J1597	2086287.389	13819854.29	WDT	NO	1271.62	1295.62	24	
J16	2084729.97	13817035.09		NO	1263	1278	15	
J1601	2086761.389	13819653.29	WDT	NO	1265.02	1280.02	15	
J1609	2078427.389	13819914.29	WDT	NO	1270.5	1311.5	41	
J161	2076105.642	13808733.51		NO	1337.5	1354.5	17	
J1613	2084154.389	13819182.29	WDT	NO	1254.09	1289.09	35	
J1615	2076777.389	13819974.29	WDT	NO	1285	1306	21	
J1617	2080335.389	13819581.29	WDT	NO	1268	1299	31	
J1619	2086812.389	13819593.29	WDT	NO	1264	1286	22	
J162	2076126.266	13810346.24		NO	1375	1397	22	
J1623	2085189.389	13818900.29	WDT	NO	1255.1	1270.1	15	
J1625	2076897.389	13819683.29	WDT	NO	1286	1299	13	
J1627	2085090.389	13818891.29	WDT	NO	1255.25	1273.25	18	
J1629	2079153.389	13819737.29	WDT	NO	1291.52	1312.52	21	
J1633	2082385.196	13819467.93	WDT	NO	1269.57	1281.57	12	
J1635	2078079.389	13819767.29	WDT	NO	1270.94	1311.94	41	
J1637	2082537.389	13819056.29	WDT	NO	1265.33	1277.33	12	
J1643	2076969.389	13819530.29	WDT	NO	1288	1298	10	
J1645	2078976.389	13819260.29	WDT	NO	1306	1322	16	
J1647	2084792.035	13819665.88	WDT	NO	1260.3	1287.3	27	
J1649	2085628.559	13818683.08	WDT	NO	1253.68	1268.68	15	
J1653	2087187.389	13818978.29	WDT	NO	1253	1285	32	
J1660	2085081.389	13819221.29	WDT	NO	1256.5	1283.5	27	
J1662	2080748.992	13819074.95	WDT	NO	1252	1279	27	
J1664	2077584.389	13819227.29	WDT	NO	1289.08	1300.08	11	
J1669	2081844.389	13818924.29	WDT	NO	1265.02	1383.02	118	
J1673	2084022.389	13819167.29	WDT	NO	1251	1275	24	

Junctions SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Inflows	Invert Elev. (ft)	Rim Elev. (ft)	Depth (ft)	Time Series
J1675	2083704.389	13818972.29	WDT	NO	1259.7	1274.7	15	
J1677	2082894.389	13819086.29	WDT	NO	1263.64	1274.64	11	
J1679	2077095.389	13819182.29	WDT	NO	1289	1299	10	
J1681	2079333.389	13818945.29	WDT	NO	1296.36	1315.36	19	
J1683	2080035.389	13819203.29	WDT	NO	1276	1307	31	
J1687	2083803.389	13818993.29	WDT	NO	1258.09	1279.09	21	
J1691	2077533.389	13819125.29	WDT	NO	1289.63	1299.63	10	
J1693	2085684.389	13818558.29	WDT	NO	1251	1277	26	
J1697	2084169.389	13818957.29	WDT	NO	1248	1275	27	
J1699	2085354.389	13818780.29	WDT	NO	1255	1270	15	
J17	2087500.892	13815466.41		NO	1295.55	1310.55	15	
J1701	2077527.389	13819206.29	WDT	NO	1288.18	1299.18	11	
J1704	2077191.389	13818954.29	WDT	NO	1294.31	1309.31	15	
J1707	2078124.389	13818738.29	WDT	NO	1300	1323	23	
J1711	2084208.389	13818588.29	WDT	NO	1247	1276	29	
J1713	2079759.389	13818678.29	WDT	NO	1295.46	1313.46	18	
J1719	2082198.437	13818790.91	WDT	NO	1263	1290	27	
J1721	2079318.389	13818399.29	WDT	NO	1307	1326	19	
J1729	2077620.389	13819197.29	WDT	NO	1289.76	1312.76	23	
J1735	2077821.389	13818366.29	WDT	NO	1303	1315	12	
J1745	2077629.907	13818388.82	WDT	NO	1302	1315	13	
J1758	2079333.389	13818330.29	WDT	NO	1309	1326	17	
J1763	2085243.878	13817931.73	WDT	NO	1237.5	1272.5	35	
J1770	2077086.389	13817598.29	WDT	NO	1309.03	1324.03	15	
J1776	2080953.389	13817520.29	WDT	NO	1249.91	1305.91	56	
J1780	2077542.961	13817799.8	WDT	NO	1312	1328	16	
J1786	2077197.389	13817748.29	WDT	NO	1307.29	1323.29	16	
J1793	2077659.389	13817394.29	WDT	NO	1322	1343	21	
J1795	2077104.389	13817394.29	WDT	NO	1313.53	1328.53	15	
J1797	2077302.389	13817439.29	WDT	NO	1314.63	1330.63	16	
J18	2084721.435	13817085.99		NO	1256.99	1286.99	30	
J1806	2080884.389	13816920.29	WDT	NO	1292.34	1323.34	31	
J1815	2084853.389	13816929.29	WDT	NO	1264.19	1286.19	22	
J1817	2078118.389	13816989.29	WDT	NO	1343.53	1364.53	21	
J1819	2086944.389	13816926.29	WDT	NO	1270.78	1294.78	24	
J1824	2078052.389	13816926.29	WDT	NO	1344	1367	23	
J1829	2087421.389	13816827.29	WDT	NO	1266.3	1281.3	15	
J1831	2086530.389	13816713.29	WDT	NO	1280.69	1291.69	11	
J1838	2084822.464	13816655.43	WDT	NO	1277	1296	19	
J1840	2084834.277	13816689.85	WDT	NO	1273.44	1295.44	22	
J1842	2085564.389	13816686.31	WDT	NO	1280	1295	15	
J1844	2083287.389	13816617.29	WDT	NO	1260.34	1294.34	34	
J1846	2079693.389	13815909.29	WDT	NO	1299.39	1314.39	15	
J1848	2080683.389	13816524.29	WDT	NO	1287.83	1307.83	20	
J1850	2080869.389	13816461.29	WDT	NO	1278.03	1298.03	20	
J1852	2084922.389	13816476.29	WDT	NO	1276	1295	19	
J1855	2087310.389	13816440.29	WDT	NO	1276.01	1289.01	13	
J1858	2082657.144	13816232.4	WDT	NO	1266.65	1298.65	32	
J1860	2084994.389	13816245.31	WDT	NO	1283.18	1325.18	42	
J1866	2081292.359	13816497.92	WDT	NO	1258	1324	66	

Junctions SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Inflows	Invert Elev. (ft)	Rim Elev. (ft)	Depth (ft)	Time Series
J1871	2081231.449	13816438.4	WDT	NO	1262	1296	34	
J1873	2082702.389	13816152.29	WDT	NO	1281.98	1313.98	32	
J1879	2087259.389	13816122.29	WDT	NO	1281.67	1295.67	14	
J1881	2080860.389	13815993.29	WDT	NO	1270.02	1304.02	34	
J1883	2084898.389	13816344.29	WDT	NO	1283.2	1325.2	42	
J1885	2083230.389	13816125.29	WDT	NO	1298.13	1329.13	31	
J1887	2080395.389	13815807.29	WDT	NO	1274	1300	26	
J1889	2085696.389	13816116.29	WDT	NO	1294	1309	15	
J1891	2086587.389	13816026.29	WDT	NO	1290.13	1305.13	15	
J1894	2086689.389	13816710.29	WDT	NO	1278.02	1289.02	11	
J1896	2082795.389	13815738.29	WDT	NO	1288.03	1322.03	34	
J1898	2084013.389	13815726.29	WDT	NO	1301	1356	55	
J19	2082143.107	13818808.98		NO	1264	1279	15	
J1900	2079708.389	13815615.29	WDT	NO	1292.5	1313.5	21	
J1905	2078895.389	13815273.29	WDT	NO	1316.02	1344.02	28	
J1907	2084928.389	13815771.29	WDT	NO	1292.11	1309.11	17	
J1909	2085829.809	13815585.79	WDT	NO	1304	1317	13	
J1911	2082660.389	13815498.29	WDT	NO	1303.16	1337.16	34	
J1913	2086317.389	13815492.29	WDT	NO	1306	1325	19	
J1915	2084822.995	13815523.54	WDT	NO	1295.99	1311.99	16	
J1917	2086320.389	13815438.29	WDT	NO	1307.52	1326.52	19	
J1920	2080788.389	13815312.29	WDT	NO	1278	1303	25	
J1922	2082660.389	13815432.29	WDT	NO	1310.23	1333.23	23	
J1926	2079222.389	13815420.29	WDT	NO	1306.39	1331.39	25	
J1928	2084910.389	13815681.29	WDT	NO	1294	1311	17	
J1932	2081181.389	13815093.29	WDT	NO	1297.2	1326.2	29	
J1935	2087334.389	13815183.29	WDT	NO	1298	1312	14	
J1939	2078431.409	13815075.23	WDT	NO	1337	1362	25	
J1941	2084820.389	13815333.29	WDT	NO	1299.5	1326.5	27	
J1945	2078658.389	13815078.29	WDT	NO	1331.25	1353.25	22	
J1947	2087016.389	13815171.29	WDT	NO	1303.32	1326.32	23	
J1949	2084955.389	13815063.29	WDT	NO	1306.28	1322.28	16	
J1953	2083649.316	13815003.54	WDT	NO	1324.37	1345.37	21	
J1956	2078182.642	13814925.26	WDT	NO	1347.3	1374.3	27	
J1962	2078131.617	13814896.24	WDT	NO	1350	1371	21	
J1964	2080356.389	13814982.29	WDT	NO	1282.58	1312.58	30	
J1966	2084586.389	13815030.29	WDT	NO	1314.44	1327.44	13	
J1971	2080301.601	13815221.11	WDT	NO	1280.28	1310.28	30	
J1974	2080971.389	13815021.29	WDT	NO	1286.56	1315.56	29	
J1983	2085141.389	13814658.29	WDT	NO	1319	1366	47	
J1985	2083542.389	13814937.29	WDT	NO	1326.49	1347.49	21	
J1987	2083317.389	13814679.29	WDT	NO	1335.71	1358.71	23	
J1989	2081069.896	13814653.84	WDT	NO	1295.55	1317.55	22	
J1991	2085123.389	13814841.29	WDT	NO	1313.26	1360.26	47	
J1993	2083305.389	13814604.29	WDT	NO	1337	1360	23	
J1997	2079594.389	13814217.29	WDT	NO	1299.02	1337.02	38	
J1999	2085264.389	13814412.29	WDT	NO	1328	1350	22	
J2	2077848.991	13824519.28		NO	1287.6	1323.6	36	
J20	2087532.084	13814732.91		NO	1303.75	1315.75	12	
J2001	2083695.389	13814553.29	WDT	NO	1335	1350	15	

Junctions SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Inflows	Invert Elev. (ft)	Rim Elev. (ft)	Depth (ft)	Time Series
J2003	2081157.389	13814370.29	WDT	NO	1302.26	1335.26	33	
J2005	2083323.389	13814376.29	WDT	NO	1344.07	1359.07	15	
J2011	2085201.389	13814508.29	WDT	NO	1324.12	1346.12	22	
J2016	2083062.389	13814259.29	WDT	NO	1351.48	1380.48	29	
J2018	2081556.389	13814085.29	WDT	NO	1331.54	1351.54	20	
J2020	2080050.389	13814232.29	WDT	NO	1296.45	1310.45	14	
J2022	2081208.389	13814172.29	WDT	NO	1308.01	1340.01	32	
J2024	2087447.224	13813980.36	WDT	NO	1316.97	1327.97	11	
J2030	2085534.389	13814094.29	WDT	NO	1337.57	1445.57	108	
J2032	2082903.389	13814211.29	WDT	NO	1355.07	1380.07	25	
J2034	2082573.389	13814016.29	WDT	NO	1369.22	1394.22	25	
J2036	2083638.389	13813986.29	WDT	NO	1350.88	1390.88	40	
J2043	2078937.389	13813725.29	WDT	NO	1333.14	1357.14	24	
J2045	2079510.389	13813971.29	WDT	NO	1303.08	1341.08	38	
J2047	2081241.389	13813887.29	WDT	NO	1322.5	1357.5	35	
J2050	2081784.389	13813896.29	WDT	NO	1347.04	1367.04	20	
J2053	2085676.028	13813833.88	WDT	NO	1347.04	1364.04	17	
J2058	2078682.389	13813554.29	WDT	NO	1342.12	1360.12	18	
J2060	2085675.389	13813608.29	WDT	NO	1353.13	1366.13	13	
J2071	2081288.267	13813570.74	WDT	NO	1331.86	1361.86	30	
J2076	2078472.389	13813509.29	WDT	NO	1348.23	1367.23	19	
J2078	2083617.389	13813710.29	WDT	NO	1360	1384	24	
J2080	2083604.644	13813573.59	WDT	NO	1368.34	1391.34	23	
J2087	2083989.389	13813317.29	WDT	NO	1382.51	1401.51	19	
J2089	2075208.389	13813386.29	WDT	NO	1360.97	1383.97	23	
J2094	2081523.389	13813197.29	WDT	NO	1340	1368	28	
J2096	2083578.389	13813299.29	WDT	NO	1379	1415	36	
J2098	2075319.389	13813176.29	WDT	NO	1361.15	1383.15	22	
J21	2082678.484	13821773.18		NO	1276.35	1306.35	30	
J2101	2078242.71	13813268.75	WDT	NO	1365.09	1383.09	18	
J2103	2083506.389	13813116.29	WDT	NO	1388	1410	22	
J2110	2083479.389	13813008.29	WDT	NO	1392.42	1414.42	22	
J2112	2079366.389	13812951.29	WDT	NO	1329.73	1350.73	21	
J2114	2081319.389	13812942.29	WDT	NO	1358.59	1382.59	24	
J2116	2084100.389	13813035.29	WDT	NO	1398.14	1414.14	16	
J2121	2075310.389	13812981.29	WDT	NO	1365	1392	27	
J2123	2081589.389	13812963.29	WDT	NO	1346	1373	27	
J2125	2076660.389	13812915.29	WDT	NO	1375	1401	26	
J2131	2078841.389	13813575.29	WDT	NO	1331.57	1356.57	25	
J2134	2076714.389	13812816.29	WDT	NO	1377.8	1403.8	26	
J2136	2083332.389	13812816.29	WDT	NO	1404.74	1422.74	18	
J2140	2083452.389	13812954.29	WDT	NO	1395.37	1413.37	18	
J2153	2076987.389	13812666.29	WDT	NO	1388.01	1414.01	26	
J2158	2079669.56	13812602.39	WDT	NO	1339.85	1356.85	17	
J2160	2079222.845	13812642.1	WDT	NO	1342	1360	18	
J2162	2076969.389	13812591.29	WDT	NO	1389.06	1415.06	26	
J2170	2078509.642	13812345.79	WDT	NO	1366.94	1375.94	9	
J2174	2079681.548	13812537.55	WDT	NO	1344	1360	16	
J2176	2075073.389	13812579.29	WDT	NO	1378.01	1398.01	20	
J2183	2074896.389	13812477.29	WDT	NO	1384.01	1405.01	21	

Junctions SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Inflows	Invert Elev. (ft)	Rim Elev. (ft)	Depth (ft)	Time Series
J2185	2079759.389	13812447.29	WDT	NO	1345	1367	22	
J2197	2074734.389	13812348.29	WDT	NO	1390.72	1411.72	21	
J22	2082685.329	13821725.08		NO	1272.89	1287.89	15	
J2205	2078523.389	13812210.29	WDT	NO	1366.26	1378.26	12	
J2207	2075433.389	13812282.29	WDT	NO	1383.02	1405.02	22	
J2214	2080065.389	13812114.29	WDT	NO	1355.51	1377.51	22	
J2216	2078379.389	13812159.67	WDT	NO	1367.94	1378.94	11	
J2218	2075523.389	13812156.29	WDT	NO	1387.51	1416.51	29	
J2220	2076810.389	13812096.29	WDT	NO	1398.17	1421.17	23	
J2223	2078856.389	13812159.29	WDT	NO	1357.62	1374.62	17	
J2227	2080200.389	13811976.29	WDT	NO	1359.6	1380.6	21	
J2229	2075631.389	13811982.29	WDT	NO	1394.45	1426.45	32	
J2235	2080245.389	13811937.29	WDT	NO	1361	1382	21	
J2237	2081717.194	13811982.48	WDT	NO	1382.61	1393.61	11	
J2243	2074542.389	13812213.29	WDT	NO	1399.78	1414.78	15	
J2246	2080356.389	13811802.29	WDT	NO	1365.01	1391.01	26	
J2250	2075712.389	13811841.29	WDT	NO	1399.81	1431.81	32	
J2252	2076768.389	13812006.29	WDT	NO	1401.19	1420.19	19	
J2269	2079198.389	13811625.29	WDT	NO	1371.65	1393.65	22	
J2272	2079087.389	13812042.29	WDT	NO	1356.57	1378.57	22	
J2274	2080449.389	13811709.29	WDT	NO	1368.07	1394.07	26	
J2290	2080530.389	13811658.29	WDT	NO	1372	1396	24	
J23	2082426.55	13823188.84		NO	1291	1310	19	
J24	2087460.763	13814906.01		NO	1301.85	1314.85	13	
J25	2087219.073	13824165.99		NO	1288.34	1318.34	30	
J26	2084877.78	13826880.66		NO	1302.68	1312.68	10	
J2692	2081433.389	13813275.29	WDT	NO	1337.17	1370.17	33	
J2693	2076009.389	13823427.29	WDT	NO	1322.56	1334.56	12	
J2694	2080059.389	13814382.29	WDT	NO	1294	1314	20	
J2696	2078688.389	13815162.29	WDT	NO	1324	1352	28	
J2698	2084982.389	13823337.29	WDT	NO	1287	1298	11	
J2699	2084592.389	13820076.29	WDT	NO	1272	1296	24	
J27	2087550.603	13814482.22		NO	1306.97	1319.97	13	
J2705	2081282.283	13814085.99	WDT	NO	1312.49	1337.49	25	
J2706	2079549.389	13821690.29	WDT	NO	1262.3	1304.3	42	
J2707	2086752.389	13822935.29	WDT	NO	1268.4	1296.4	28	
J2712	2082708.389	13821015.29	WDT	NO	1262	1295	33	
J2714	2077245.389	13817904.29	WDT	NO	1305.3	1318.3	13	
J2718	2084137.42	13824940.04	WDT	NO	1294	1308	14	
J2720	2077998.389	13823067.29	WDT	NO	1309	1321	12	
J2722	2082678.389	13822086.29	WDT	NO	1275	1305	30	
J2723	2077539.389	13820919.29	WDT	NO	1281	1303	22	
J2724	2084844.389	13825980.29	WDT	NO	1293	1313	20	
J2726	2083272.389	13819131.29	WDT	NO	1262.34	1274.34	12	
J2729	2079153.389	13812480.29	WDT	NO	1344.18	1362.18	18	
J2732	2080035.389	13820946.29	WDT	NO	1260	1288	28	
J2734	2083722.389	13827255.29	WDT	NO	1306.65	1318.65	12	
J2736	2075511.389	13823397.29	WDT	NO	1326	1345	19	
J2737	2085630.389	13813875.29	WDT	NO	1344	1452	108	
J2739	2084523.389	13825596.29	WDT	NO	1291.38	1309.38	18	

Junctions SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Inflows	Invert Elev. (ft)	Rim Elev. (ft)	Depth (ft)	Time Series
J2740	2087322.389	13820460.29	WDT	NO	1274.76	1286.76	12	
J2746	2083305.389	13814442.29	WDT	NO	1342	1371	29	
J2748	2085102.389	13827135.29	WDT	NO	1306.54	1322.54	16	
J2750	2077509.389	13819257.29	WDT	NO	1287.08	1307.08	20	
J2751	2087171.275	13824166.36	WDT	NO	1288.89	1296.89	8	
J2753	2079018.389	13813647.29	WDT	NO	1321.05	1346.05	25	
J2754	2079498.389	13818921.29	WDT	NO	1288	1314	26	
J2756	2082960.389	13823682.29	WDT	NO	1279	1296	17	
J2772	2084928.389	13827018.29	WDT	NO	1303.79	1316.79	13	
J2774	2087256.389	13815864.29	WDT	NO	1286	1309	23	
J2776	2083641.389	13813809.29	WDT	NO	1356	1396	40	
J2778	2077350.389	13818423.29	WDT	NO	1298	1314	16	
J2779	2080899.389	13815021.29	WDT	NO	1284.45	1309.45	25	
J2781	2078529.389	13820760.29	WDT	NO	1267	1294	27	
J2789	2079957.389	13823382.29	WDT	NO	1271.02	1322.02	51	
J2790	2080377.389	13823340.29	WDT	NO	1263	1318	55	
J2793	2082045.389	13825464.29	WDT	NO	1289.02	1341.02	52	
J2795	2076810.389	13821660.29	WDT	NO	1292.09	1308.09	16	
J2796	2086308.389	13824363.29	WDT	NO	1291.64	1302.64	11	
J2797	2077068.389	13819308.29	WDT	NO	1288.78	1300.78	12	
J2798	2079389.288	13824331.23	WDT	NO	1302.41	1327.41	25	
J28	2078799.79	13825853.14		NO	1322	1335	13	
J2802	2075287.561	13813564.72	WDT	NO	1357.97	1381.97	24	
J2803	2078790.389	13813569.29	WDT	NO	1338.49	1356.49	18	
J2807	2079075.389	13812288.29	WDT	NO	1348.13	1365.13	17	
J2812	2086809.389	13824645.29	WDT	NO	1292.54	1306.54	14	
J2817	2080998.389	13827960.29	WDT	NO	1315	1334	19	
J2820	2084139.389	13826943.29	WDT	NO	1304	1315	11	
J2823	2087505.389	13814283.29	WDT	NO	1310	1323	13	
J2829	2084792.636	13815467.48	WDT	NO	1299	1326	27	
J2831	2076984.389	13821354.29	WDT	NO	1289	1306	17	
J2835	2086788.389	13816776.29	WDT	NO	1276.09	1290.09	14	
J2842	2082230.683	13826870.77	WDT	NO	1296	1322	26	
J2846	2083440.389	13817007.29	WDT	NO	1242.25	1293.25	51	
J2851	2079417.389	13815549.29	WDT	NO	1299	1320	21	
J2857	2083746.389	13827210.29	WDT	NO	1306.25	1318.25	12	
J2860	2080209.691	13815729.99	WDT	NO	1279.78	1304.78	25	
J2861	2083434.389	13827801.29	WDT	NO	1311.52	1323.52	12	
J2864	2080767.389	13818066.29	WDT	NO	1250.99	1316.99	66	
J2869	2081211.389	13819587.29	WDT	NO	1254.85	1372.85	118	
J2870	2084886.389	13826754.29	WDT	NO	1301.01	1312.01	11	
J2878	2075301.389	13812855.29	WDT	NO	1368	1395	27	
J2882	2084400.389	13824798.29	WDT	NO	1285.22	1305.22	20	
J2885	2079858.389	13819065.29	WDT	NO	1279.4	1304.4	25	
J2886	2081772.389	13826583.29	WDT	NO	1303	1328	25	
J2887	2081379.389	13821567.29	WDT	NO	1260.5	1289.5	29	
J2891	2080015.856	13814407.28	WDT	NO	1293.18	1310.18	17	
J2893	2077995.389	13824567.29	WDT	NO	1274.75	1309.75	35	
J2894	2079489.389	13813758.29	WDT	NO	1306.13	1342.13	36	
J2898	2086956.389	13818966.29	WDT	NO	1254.03	1286.03	32	

Junctions SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Inflows	Invert Elev. (ft)	Rim Elev. (ft)	Depth (ft)	Time Series
J2899	2082573.389	13824768.29	WDT	NO	1284.12	1336.12	52	
J2900	2083449.389	13819104.29	WDT	NO	1261	1275	14	
J2901	2077305.577	13818145.21	WDT	NO	1302	1315	13	
J2902	2087481.389	13822164.29	WDT	NO	1262.85	1287.85	25	
J2905	2079675.389	13823937.29	WDT	NO	1285	1312	27	
J2907	2085498.603	13820653.37	WDT	NO	1284	1295	11	
J2913	2077491.389	13825116.29	WDT	NO	1275.5	1322.5	47	
J2915	2083537.317	13820022.43	WDT	NO	1255	1285	30	
J2917	2076508.097	13822009.13	WDT	NO	1300.3	1317.3	17	
J2919	2086011.389	13823517.29	WDT	NO	1272	1303	31	
J2923	2082552.389	13816884.29	WDT	NO	1243	1294	51	
J2924	2077260.389	13819440.29	WDT	NO	1278	1299	21	
J2934	2078376.389	13821960.29	WDT	NO	1277.5	1326.5	49	
J2936	2077899.389	13824795.29	WDT	NO	1275	1321	46	
J2937	2080668.389	13819998.29	WDT	NO	1255.1	1287.1	32	
J2942	2078454.389	13821948.29	WDT	NO	1277	1316	39	
J2945	2084952.389	13817555.17	WDT	NO	1240	1275	35	
J2949	2086044.389	13818165.29	WDT	NO	1235	1264	29	
J2952	2084879.425	13826823.24	WDT	NO	1302	1313	11	
J2954	2085495.389	13824246.29	WDT	NO	1276.38	1303.38	27	
J2956	2078088.389	13824474.29	WDT	NO	1274.5	1318.5	44	
J2959	2080707.389	13815837.29	WDT	NO	1271.64	1299.64	28	
J2960	2084169.389	13819047.29	WDT	NO	1248.93	1274.93	26	
J2962	2078634.389	13821897.29	WDT	NO	1276	1318	42	
J2963	2084364.389	13818138.29	WDT	NO	1244	1275	31	
J2965	2080146.389	13823274.29	WDT	NO	1264.8	1326.8	62	
J2966	2087475.389	13823844.29	WDT	NO	1286	1296	10	
J2967	2082776.019	13821600.3	WDT	NO	1263.95	1284.95	21	
J2968	2077527.389	13819554.29	WDT	NO	1271.04	1305.04	34	
J2971	2084178.389	13817184.29	WDT	NO	1242.5	1289.5	47	
J2972	2077797.389	13824897.29	WDT	NO	1275.25	1322.25	47	
J2973	2076828.389	13820091.29	WDT	NO	1276	1312	36	
J2976	2080623.389	13815525.29	WDT	NO	1272	1300	28	
J2977	2086173.389	13823319.29	WDT	NO	1271	1297	26	
J2978	2084661.389	13817385.29	WDT	NO	1241.09	1278.09	37	
J2982	2084571.389	13825158.29	WDT	NO	1287	1303	16	
J2984	2079384.389	13821801.29	WDT	NO	1262.52	1304.52	42	
J2989	2082042.389	13825656.29	WDT	NO	1289.62	1339.62	50	
J2990	2087481.389	13822443.29	WDT	NO	1264	1289	25	
J2991	2080902.389	13817736.29	WDT	NO	1250	1316	66	
J2994	2086134.389	13818234.29	WDT	NO	1234.8	1275.8	41	
J2995	2079514.849	13813180.64		NO	1318.08	1343.08	25	
J29951	2079481.731	13813692.15		NO	1307	1329	22	
J2996	2079517.556	13813572.52		NO	1312.79	1334.79	22	
J2997	2079522.752	13813513.9		NO	1315.66	1340.66	25	
J2999	2085966.201	13818105.1		NO	1236	1265	29	
J3	2080641.111	13811362.23		NO	1380.5	1394.5	14	
J30	2079739.156	13821473.63		NO	1263	1294	31	
J3001	2085685.672	13817898.61		NO	1236.25	1288.25	52	
J3002	2087471.881	13818339.72		NO	1234.9	1273.9	39	

Junctions SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Inflows	Invert Elev. (ft)	Rim Elev. (ft)	Depth (ft)	Time Series
J3003	2084129.221	13819129.35		NO	1250	1285	35	
J3004	2083547.876	13820107.49		NO	1253.94	1287.94	34	
J3006	2082822.573	13821631.1		NO	1264.04	1286.04	22	
J3007	2082239.59	13826922.93		NO	1296.2	1316.2	20	
J3018	2083952.284	13815477.6		NO	1305	1322	17	
J3019	2083989.252	13815667.98		NO	1305.47	1322.47	17	
J3020	2081318.799	13813502.07		NO	1338.8	1371.8	33	
J3022	2080761.389	13818693.29		NO	1251	1278	27	
J3023	2080486.321	13820138.27		NO	1255	1287	32	
J3024	2079189.389	13821829.42		NO	1263.99	1302.99	39	
J3025	2081256.389	13820139.29		NO	1255	1285	30	
J3026	2080015.673	13823219.47		NO	1261.99	1323.99	62	
J3027	2079827.891	13823691.93		NO	1271	1298	27	
J3044	2082260.011	13827002.92		NO	1295	1320	25	
J3049	2080907.823	13818886.11		NO	1251.5	1278.5	27	
J31	2080163.576	13820483.38		NO	1256	1288	32	
J32	2080212.389	13819951.44		NO	1269.44	1295.44	26	
J33	2080847.459	13819846.83		NO	1254.82	1286.82	32	
J35	2080827.023	13827936.39		NO	1320	1339	19	
J36	2083663.959	13819383.3		NO	1254	1276	22	
J37	2081475.69	13827216.96		NO	1311	1330	19	
J38	2081518.114	13827156.34		NO	1310	1327	17	
J39	2086711.906	13818358.76		NO	1234.6	1275.6	41	
J4	2080630.375	13811400.15		NO	1380.25	1394.25	14	
J40	2078267.076	13826183.24		NO	1318.75	1327.75	9	
J41	2087055.867	13818355.39		NO	1234.5	1275.5	41	
J42	2088043.539	13811835.1		NO	1289	1355	66	
J43	2077970.09	13827546.83		NO	1337	1354	17	
J44	2082396.538	13827524.11		NO	1296	1317	21	
J45	2087662.012	13817767.99		NO	1247	1265	18	
J46	2088428.592	13818177.13		NO	1225.25	1276.25	51	
J47	2090007.009	13817446.43		NO	1219.54	1254.54	35	
J48	2075672.793	13823356.5		NO	1325	1339	14	
J49	2075980.213	13822804.72		NO	1319.68	1329.68	10	
J5	2078998.267	13821930.16		NO	1270.01	1312.01	42	
J55	2077731.51	13817181.38		NO	1328.71	1351.71	23	
J57	2077686.997	13817234.19		NO	1325.91	1337.91	12	
J58	2079291.824	13807925.9		NO	1315.23	1337.23	22	
J59	2077736.34	13817262.23		NO	1326.55	1347.55	21	
J6	2080626.957	13811413.11		NO	1380	1394	14	
J60	2087910.407	13818041.48		NO	1240.67	1266.67	26	
J61	2077773.042	13817208.9		NO	1329	1350	21	
J62	2077532.623	13817564.29		NO	1316.92	1328.92	12	
J63	2077513.271	13817622.7		NO	1315.1	1327.1	12	
J65	2077534.595	13817875.21		NO	1309.39	1321.39	12	
J66	2076340.374	13823126.64		NO	1313	1330	17	
J68	2086434.307	13817685.82		NO	1271.12	1305.12	34	
J69	2077493.121	13826848.95		NO	1324.31	1335.31	11	
J7	2076975.303	13821608.9		NO	1293.09	1310.09	17	
J70	2086430.284	13818308.29		NO	1234.7	1275.7	41	

Junctions SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Inflows	Invert Elev. (ft)	Rim Elev. (ft)	Depth (ft)	Time Series
J71	2087990.957	13809892.65		NO	1299	1364	65	
J725	2082105.389	13828227.29	WDT	NO	1300.01	1326.01	26	
J74	2087450.374	13818673.16		NO	1248	1267	19	
J75	2077548.526	13826644.93		NO	1321.5	1328.5	7	
J76	2088112.282	13818674.58		NO	1253.82	1278.82	25	
J763	2080773.389	13828536.29	WDT	NO	1320.49	1343.49	23	
J77	2076465.448	13822074.75		NO	1300	1319	19	
J779	2078325.389	13827990.29	WDT	NO	1354.04	1392.04	38	
J78	2078412.676	13825055.19		NO	1314	1324	10	
J785	2080911.389	13828233.29	WDT	NO	1316.52	1339.52	23	
J79	2076913.804	13821380.43		NO	1292	1308	16	
J797	2078196.389	13827828.29	WDT	NO	1344.4	1382.4	38	
J8	2080618.899	13811453.04		NO	1377.28	1394.28	17	
J801	2077644.389	13827981.29	WDT	NO	1345.87	1368.87	23	
J805	2083071.389	13827528.29	WDT	NO	1314.3	1322.3	8	
J81	2077378.082	13826113.61		NO	1318	1326	8	
J810	2078029.101	13827599.01	WDT	NO	1339	1365	26	
J814	2080920.389	13828176.29	WDT	NO	1316	1335	19	
J816	2084616.389	13827801.29	WDT	NO	1305	1330	25	
J819	2080470.389	13828008.29	WDT	NO	1332.32	1351.32	19	
J828	2078115.389	13827705.29	WDT	NO	1341	1367	26	
J83	2078812.915	13825544.41		NO	1319	1330	11	
J830	2080368.389	13827990.29	WDT	NO	1336.72	1355.72	19	
J832	2085528.389	13827696.29	WDT	NO	1317	1333	16	
J835	2081065.424	13827860.69	WDT	NO	1314	1332	18	
J837	2080857.389	13827969.29	WDT	NO	1317.19	1336.19	19	
J839	2082360.389	13827051.29	WDT	NO	1300.91	1325.91	25	
J84	2088950.378	13820911.84		NO	1268.38	1280.38	12	
J842	2081060.315	13827801.37	WDT	NO	1313.67	1335.67	22	
J844	2083725.389	13827522.29	WDT	NO	1308.84	1320.84	12	
J848	2084499.389	13827372.29	WDT	NO	1304.9	1320.9	16	
J85	2079339.54	13824400.48		NO	1305	1321	16	
J854	2083257.389	13827432.29	WDT	NO	1312.48	1322.48	10	
J856	2082168.389	13826943.29	WDT	NO	1300.97	1308.97	8	
J860	2084889.389	13827111.29	WDT	NO	1304.08	1314.08	10	
J862	2077490.172	13825961.92	WDT	NO	1317	1327	10	
J867	2077506.389	13827528.29	WDT	NO	1332.15	1355.15	23	
J87	2079677.414	13818986.85		NO	1285	1311	26	
J870	2081220.389	13827585.29	WDT	NO	1312	1334	22	
J873	2085240.389	13827177.29	WDT	NO	1308.23	1321.23	13	
J875	2078378.572	13827309.57	WDT	NO	1345.88	1359.88	14	
J877	2086590.389	13826772.29	WDT	NO	1334	1361	27	
J879	2079059.87	13826564.89	WDT	NO	1338.17	1358.17	20	
J88	2088712.709	13811192.92		NO	1277.97	1347.97	70	
J882	2077575.389	13827264.29	WDT	NO	1328	1345	17	
J896	2083833.389	13827147.29	WDT	NO	1306	1318	12	
J9	2085630.521	13818708.38		NO	1254.27	1269.27	15	
J90	2087810.295	13811942.51		NO	1298.93	1361.93	63	
J900	2081745.389	13826847.29	WDT	NO	1307.69	1323.69	16	
J906	2082144.389	13826718.29	WDT	NO	1295.63	1316.63	21	

Junctions SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Inflows	Invert Elev. (ft)	Rim Elev. (ft)	Depth (ft)	Time Series
J910	2085069.389	13826907.29	WDT	NO	1304	1318	14	
J92	2088616.709	13811488.19		NO	1281.3	1351.3	70	
J921	2086761.389	13826502.29	WDT	NO	1330.07	1350.07	20	
J925	2081064.389	13826760.29	WDT	NO	1326.12	1344.12	18	
J927	2084871.389	13826589.29	WDT	NO	1299.39	1317.39	18	
J93	2079735.038	13819019.38		NO	1282.61	1305.61	23	
J931	2080881.389	13826694.29	WDT	NO	1330.05	1354.05	24	
J935	2077017.389	13826583.29	WDT	NO	1321	1334	13	
J937	2084205.389	13826544.29	WDT	NO	1300.85	1312.85	12	
J94	2086646.491	13810656.36		NO	1386.03	1451.03	65	
J946	2082180.389	13826430.29	WDT	NO	1294.02	1314.02	20	
J950	2081322.389	13826658.29	WDT	NO	1318.25	1340.25	22	
J953	2077254.389	13826397.29	WDT	NO	1320.02	1333.02	13	
J955	2079078.389	13826388.29	WDT	NO	1333	1353	20	
J959	2086377.389	13826319.29	WDT	NO	1317	1344	27	
J96	2081047.52	13814598.7		NO	1297	1330	33	
J964	2080599.389	13826373.29	WDT	NO	1348.09	1372.09	24	
J968	2085042.389	13826238.29	WDT	NO	1298	1311	13	
J97	2078553.131	13826339.96		NO	1325	1335	10	
J971	2085324.389	13825740.29	WDT	NO	1299	1309	10	
J973	2084271.389	13826337.29	WDT	NO	1298	1312	14	
J975	2082600.389	13825179.29	WDT	NO	1298	1312	14	
J978	2081826.389	13826106.29	WDT	NO	1300	1353	53	
J98	2088069.664	13810491.45		NO	1311.17	1335.17	24	
J980	2084352.389	13826151.29	WDT	NO	1295.15	1313.15	18	
J982	2077626.434	13825640.95	WDT	NO	1309.56	1330.56	21	
J986	2079000.389	13825953.29	WDT	NO	1325	1339	14	
J988	2086893.389	13825392.29	WDT	NO	1302	1315	13	
J99	2075265.751	13813495.18		NO	1359	1382	23	
J990	2086602.389	13825617.29	WDT	NO	1303	1322	19	
J992	2079159.389	13825908.29	WDT	NO	1325	1350	25	
J994	2079156.389	13825314.29	WDT	NO	1319	1333	14	
J996	2084811.389	13825710.29	WDT	NO	1292.23	1312.23	20	
J998	2085207.389	13825455.29	WDT	NO	1297	1308	11	
M10042417	2088494.972	13822350.8		NO	1277	1285	8	
M1042417	2087312.972	13824156.8		NO	1288	1311	23	
M11042417	2088257.972	13821471.8		NO	1258	1267	9	
M12042417	2088443.972	13821219.8		NO	1253	1276	23	
M13042417	2088695.972	13821318.8		NO	1266.53	1276.53	10	
M14042417	2086199.972	13822143.8		NO	1283	1294	11	
M15042417	2086346.972	13826454.8		NO	1320.09	1335.09	15	
M16042417	2085458.972	13825323.8		NO	1296.11	1311.11	15	
M18042417	2088671.7	13820788.48		NO	1251	1270	19	
M19042417	2088755.222	13820460.8		NO	1249.82	1269.82	20	
M20042417	2088866.972	13820007.8		NO	1248.51	1270.51	22	
M2042417	2087687.972	13823622.8		NO	1282.17	1310.17	28	
M21042417	2088875.972	13819857.8		NO	1246.78	1273.78	27	
M22042417	2088893.784	13819614.8		NO	1243.88	1270.88	27	
M23042417	2088968.972	13819410.8		NO	1243	1261	18	
M24042417	2089073.972	13819260.8		NO	1242.25	1256.25	14	

Junctions SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Inflows	Invert Elev. (ft)	Rim Elev. (ft)	Depth (ft)	Time Series
M25042417	2089154.972	13819140.8		NO	1242	1256	14	
M26042417	2089238.972	13818975.8		NO	1241.71	1256.71	15	
M27042417	2089391.972	13818801.8		NO	1240	1255	15	
M28042417	2089535.972	13818779.87		NO	1239.98	1257.98	18	
M29042417	2089748.972	13818621.8		NO	1239.69	1257.69	18	
M30042417	2089940.972	13818513.8		NO	1236	1268	32	
M3042417	2087747.972	13823523.8		NO	1281.36	1309.36	28	
M31042417	2089490.972	13818249.8		NO	1223	1271	48	
M32042417	2089828.472	13818161.3		NO	1221	1256	35	
M40042417	2087577.86	13823781.85		NO	1284	1292	8	
M4042417	2087795.972	13823328.8		NO	1279	1294	15	
M41042417	2088250.066	13821350.55		NO	1255	1274	19	
M5042417	2087732.972	13823181.8		NO	1278	1290	12	
M6042417	2088413.972	13822881.8		NO	1278.28	1299.28	21	
M7042417	2088230.972	13822635.8		NO	1278	1299	21	
M8042417	2088331.145	13822190.06		NO	1273	1284	11	
M9042417	2088061.191	13821507.2		NO	1257.95	1277.95	20	
MAS1	2086302.389	13813080.31	WDT	NO	1337	1353	16	
MAS10	2087502.389	13812288.31	WDT	NO	1304.01	1367.01	63	
MAS100	2079165.389	13806663.31	WDT	NO	1281.02	1337.02	56	
MAS101	2084736.389	13811826.31	WDT	NO	1376.26	1426.26	50	
MAS102	2078433.389	13810686.31	WDT	NO	1346.69	1382.69	36	
MAS103	2086695.389	13807344.31	WDT	NO	1284	1298	14	
MAS104	2081967.389	13808709.31	WDT	NO	1374.78	1426.78	52	
MAS105	2078898.389	13808448.31	WDT	NO	1302.8	1331.8	29	
MAS106	2083674.389	13808907.31	WDT	NO	1311	1331	20	
MAS107	2078565.389	13810212.31	WDT	NO	1335	1363	28	
MAS108	2084958.389	13812039.31	WDT	NO	1364	1403	39	
MAS109	2082960.389	13811172.31	WDT	NO	1378.26	1397.26	19	
MAS11	2083143.389	13811559.31	WDT	NO	1396.1	1412.1	16	
MAS110	2081766.389	13809954.31	WDT	NO	1354.78	1379.78	25	
MAS111	2086740.389	13812642.31	WDT	NO	1319	1356	37	
MAS112	2085230.559	13809434.25	WDT	NO	1329.76	1352.76	23	
MAS113	2078670.389	13809837.31	WDT	NO	1325.12	1348.12	23	
MAS114	2085813.389	13812357.31	WDT	NO	1339.52	1371.52	32	
MAS115	2076246.389	13809303.31	WDT	NO	1344	1371	27	
MAS116	2079885.389	13808970.31	WDT	NO	1339	1363	24	
MAS118	2076339.389	13809882.31	WDT	NO	1360	1385	25	
MAS119	2076186.389	13808709.31	WDT	NO	1332	1358	26	
MAS12	2084844.389	13811952.31	WDT	NO	1369	1379	10	
MAS120	2078898.389	13808277.31	WDT	NO	1301	1334	33	
MAS122	2085216.389	13807983.31	WDT	NO	1285	1308	23	
MAS123	2078844.389	13809282.31	WDT	NO	1311	1336	25	
MAS124	2082479.63	13810530.71	WDT	NO	1354	1363	9	
MAS125	2078748.389	13809450.31	WDT	NO	1316.05	1339.05	23	
MAS126	2078949.389	13808697.31	WDT	NO	1305	1331	26	
MAS128	2085489.389	13807875.31	WDT	NO	1281	1307	26	
MAS129	2087421.391	13812393.95	WDT	NO	1304.12	1316.12	12	
MAS13	2084675.727	13811795.91	WDT	NO	1378.9	1392.9	14	
MAS132	2085559.139	13807806.31		NO	1279	1313	34	

Junctions SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Inflows	Invert Elev. (ft)	Rim Elev. (ft)	Depth (ft)	Time Series
MAS133	2084288.584	13809343.05		NO	1337	1358	21	
MAS134	2081334.406	13810154.18		NO	1367.71	1393.71	26	
MAS135	2081506.176	13810190.99		NO	1365	1377	12	
MAS1359	2077948.235	13826865		NO	1325	1334	9	
MAS136	2081516.342	13810152		NO	1364.68	1376.68	12	
MAS137	2080088.925	13808858.61		NO	1349	1379	30	
MAS138	2080038.007	13808868.07		NO	1344.98	1369.98	25	
MAS14	2078379.389	13811322.31	WDT	NO	1356	1399	43	
MAS141	2086319.676	13812493.96		NO	1327.31	1386.31	59	
MAS142	2085752.136	13811669.73		NO	1367	1378	11	
MAS143	2081382.302	13810172.2		NO	1366.13	1378.13	12	
MAS144	2078687.184	13809232.17		NO	1313.8	1327.8	14	
MAS145	2078650.095	13809219.47		NO	1316	1329	13	
MAS147	2082480.13	13809633.05		NO	1333.9	1368.9	35	
MAS148	2085768.524	13812055.37		NO	1350	1396	46	
MAS150	2082396.486	13810935.89		NO	1368.05	1435.05	67	
MAS151	2082400.837	13810796.33		NO	1364.66	1395.66	31	
MAS152	2082456.866	13811017.03		NO	1369.68	1384.68	15	
MAS153	2082448.77	13810961.54		NO	1368	1383	15	
MAS157	2082773.375	13811109.8		NO	1374.08	1389.08	15	
MAS159	2082869.73	13811090.71		NO	1375.83	1386.83	11	
MAS166	2083086.337	13811430.76		NO	1389.73	1408.73	19	
MAS167	2079750.246	13808513.44		NO	1352.74	1365.74	13	
MAS168	2079546.446	13808854.92		NO	1328.81	1350.81	22	
MAS169	2080340.448	13809361.26		NO	1366.54	1396.54	30	
MAS17	2085837.389	13811661.31	WDT	NO	1369.63	1380.63	11	
MAS170	2078379.004	13811430.6		NO	1359.5	1384.5	25	
MAS171	2082414.11	13810462.58		NO	1350.3	1381.3	31	
MAS175	2082481.135	13810517.48		NO	1354	1435	81	
MAS176	2076604.042	13810022.98		NO	1375.71	1400.71	25	
MAS177	2075523.389	13809071.95		NO	1371	1389	18	
MAS178	2075566.927	13809029.21		NO	1368.2	1386.2	18	
MAS179	2075846.762	13809421.05		NO	1359.91	1376.91	17	
MAS18	2085381.389	13812183.31	WDT	NO	1350.04	1389.04	39	
MAS180	2075798.368	13809433.49		NO	1364	1381	17	
MAS181	2078036.112	13809299.64		NO	1341.83	1390.83	49	
MAS182	2080102.452	13809150.41		NO	1351.28	1381.28	30	
MAS183	2085250.872	13809668.52		NO	1341	1360	19	
MAS184	2082099.389	13809856.44		NO	1345	1380	35	
MAS185	2084028.493	13808853.49		NO	1307	1330	23	
MAS19	2082291.389	13811256.31	WDT	NO	1375	1442	67	
MAS2	2086121.866	13812443.13	WDT	NO	1334	1366	32	
MAS20	2076087.389	13810791.31	WDT	NO	1386.4	1408.4	22	
MAS21	2082681.214	13811036.34	WDT	NO	1371.69	1386.69	15	
MAS22	2084683.673	13811275.3	WDT	NO	1401.66	1472.66	71	
MAS23	2078406.389	13810920.31	WDT	NO	1350.04	1387.04	37	
MAS24	2085762.23	13811729.85	WDT	NO	1363.52	1409.52	46	
MAS26	2083554.389	13810854.31	WDT	NO	1408.22	1420.22	12	
MAS27	2083338.389	13810875.31	WDT	NO	1396.66	1408.66	12	
MAS29	2079201.42	13810085.47	WDT	NO	1345.56	1355.56	10	

Junctions SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Inflows	Invert Elev. (ft)	Rim Elev. (ft)	Depth (ft)	Time Series
MAS3	2086518.389	13812849.31	WDT	NO	1326.54	1351.54	25	
MAS30	2076822.389	13810251.31	WDT	NO	1391.21	1402.21	11	
MAS31	2076129.389	13810551.31	WDT	NO	1379	1401	22	
MAS32	2078964.389	13809762.31	WDT	NO	1329.31	1354.31	25	
MAS33	2085468.389	13810206.31	WDT	NO	1361	1386	25	
MAS34	2081091.389	13810497.31	WDT	NO	1374	1400	26	
MAS35	2077992.389	13810599.31	WDT	NO	1362.1	1394.1	32	
MAS36	2079882.298	13810284.9	WDT	NO	1374.97	1385.97	11	
MAS37	2084292.389	13809411.31	WDT	NO	1339.56	1360.56	21	
MAS38	2079508.201	13810172.46	WDT	NO	1357.72	1373.72	16	
MAS39	2076149.728	13810242.68	WDT	NO	1370.93	1399.93	29	
MAS4	2085654.389	13812315.31	WDT	NO	1343	1374	31	
MAS40	2079048.389	13809927.31	WDT	NO	1336.39	1361.39	25	
MAS41	2078271.389	13810038.31	WDT	NO	1345.67	1357.67	12	
MAS43	2085462.389	13810047.31	WDT	NO	1353.06	1384.06	31	
MAS44	2076720.389	13810137.31	WDT	NO	1382.41	1397.41	15	
MAS45	2085402.389	13809942.31	WDT	NO	1346.02	1377.02	31	
MAS46	2082464.432	13810055.67	WDT	NO	1340.85	1354.85	14	
MAS47	2075037.389	13809855.31	WDT	NO	1402.38	1422.38	20	
MAS49	2075109.389	13809753.31	WDT	NO	1396	1420	24	
MAS5	2087064.389	13812522.31	WDT	NO	1309	1351	42	
MAS51	2075288.411	13809744.53	WDT	NO	1390.56	1414.56	24	
MAS52	2081301.389	13809744.31	WDT	NO	1377.04	1389.04	12	
MAS54	2075337.001	13809667.58	WDT	NO	1386.96	1402.96	16	
MAS55	2079270.389	13809453.31	WDT	NO	1340.61	1351.61	11	
MAS56	2085229.579	13809476.41	WDT	NO	1331	1350	19	
MAS57	2076195.389	13809444.31	WDT	NO	1346.04	1370.04	24	
MAS58	2085264.389	13809186.31	WDT	NO	1318.16	1341.16	23	
MAS59	2077641.389	13809405.31	WDT	NO	1358.11	1407.11	49	
MAS6	2086920.389	13812558.31	WDT	NO	1311.37	1353.37	42	
MAS61	2076258.389	13809225.31	WDT	NO	1342.02	1369.02	27	
MAS62	2075361.389	13809111.31	WDT	NO	1378.44	1396.44	18	
MAS63	2084166.389	13809123.31	WDT	NO	1323.49	1335.49	12	
MAS64	2082177.389	13809165.31	WDT	NO	1350.45	1399.45	49	
MAS66	2078733.389	13808805.31	WDT	NO	1308.06	1329.06	21	
MAS67	2078991.389	13808877.31	WDT	NO	1307.08	1332.08	25	
MAS68	2079580.554	13808879.08	WDT	NO	1331	1355	24	
MAS69	2085258.389	13808859.31	WDT	NO	1307.13	1327.13	20	
MAS7	2086167.044	13812448.36	WDT	NO	1332.87	1391.87	59	
MAS71	2076041.07	13808758.43	WDT	NO	1340	1358	18	
MAS73	2083770.389	13808901.31	WDT	NO	1310	1333	23	
MAS74	2085738.389	13808268.31	WDT	NO	1304.06	1320.06	16	
MAS75	2078731.944	13808351.99	WDT	NO	1302.73	1313.73	11	
MAS76	2085273.389	13808427.31	WDT	NO	1295	1321	26	
MAS77	2084868.807	13808493.04	WDT	NO	1293.14	1308.14	15	
MAS79	2080611.389	13808316.31	WDT	NO	1383	1416	33	
MAS8	2087244.389	13812489.31	WDT	NO	1307	1347	40	
MAS81	2082063.389	13808505.31	WDT	NO	1386	1438	52	
MAS82	2078169.389	13808289.31	WDT	NO	1332	1359	27	
MAS83	2078457.389	13808247.31	WDT	NO	1314.04	1341.04	27	

Junctions SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Inflows	Invert Elev. (ft)	Rim Elev. (ft)	Depth (ft)	Time Series
MAS84	2080857.389	13808106.31	WDT	NO	1397	1430	33	
MAS85	2087265.389	13807935.31	WDT	NO	1309	1323	14	
MAS86	2078904.389	13807983.31	WDT	NO	1298.01	1340.01	42	
MAS87	2078988.389	13807920.31	WDT	NO	1297.38	1339.38	42	
MAS88	2078948.495	13807704.04	WDT	NO	1295.33	1333.33	38	
MAS89	2086932.389	13807563.31	WDT	NO	1293	1307	14	
MAS9	2086386.389	13812576.31	WDT	NO	1324	1356	32	
MAS90	2085678.389	13807503.31	WDT	NO	1277.09	1311.09	34	
MAS91	2078949.389	13807389.31	WDT	NO	1291.14	1332.14	41	
MAS92	2085759.389	13807275.31	WDT	NO	1274	1302	28	
MAS93	2085468.389	13807317.31	WDT	NO	1282.88	1295.88	13	
MAS95	2078940.389	13807170.31	WDT	NO	1288.21	1329.21	41	
MAS96	2084973.389	13807158.31	WDT	NO	1301.18	1312.18	11	
MAS97	2084667.389	13807086.31	WDT	NO	1314.56	1325.56	11	
MAS99	2085651.389	13806954.31	WDT	NO	1277.47	1289.47	12	
MASJ1021	2078247.796	13825627.23	WDT	NO	1318	1329	11	
MASJ108	2080105.546	13817024.83		NO	1313.48	1321.48	8	
MASJ1090	2081765.797	13812246.15		NO	1372.48	1395.48	23	
MASJ110	2079613.846	13817212.28		NO	1341.27	1363.27	22	
MASJ1111	2079181.235	13819145.08		NO	1302	1313	11	
MASJ1119	2078060.293	13825439.09		NO	1315.42	1326.42	11	
MASJ112	2079723.624	13816972.65		NO	1330.39	1338.39	8	
MASJ114	2079952.697	13816667.07		NO	1317.64	1336.64	19	
MASJ1141	2078104.715	13825390.44		NO	1316	1326	10	
MASJ116	2080228.398	13816355.62		NO	1300.61	1313.61	13	
MASJ1161	2077859.536	13826952.67		NO	1324.35	1338.35	14	
MASJ117	2078513.46	13826554.2		NO	1328.74	1337.74	9	
MASJ1171	2077851.553	13826913.65		NO	1325.98	1333.98	8	
MASJ119	2077557.451	13827022.61		NO	1323.8	1332.8	9	
MASJ121	2077556.095	13826971.65		NO	1323.75	1331.75	8	
MASJ122	2077704.111	13825812.1		NO	1316	1326	10	
MASJ124	2077665.052	13825776.01		NO	1314.02	1327.02	13	
MASJ126	2078396.221	13826603.13		NO	1327	1336	9	
MASJ127	2078204.522	13826683.08		NO	1326	1335	9	
MASJ128	2078051.831	13826766.61		NO	1325.7	1334.7	9	
MASJ129	2078027.634	13826786.3		NO	1325.54	1334.54	9	
MASJ130	2077833.648	13826974.05		NO	1324.3	1333.3	9	
MASJ132	2077754.703	13827013.08		NO	1324.05	1333.05	9	
MASJ133	2077721.498	13827014.74		NO	1324	1333	9	
MASJ135	2078380.623	13826561.24		NO	1326.83	1336.83	10	
MASJ1351	2078180.651	13826645.81		NO	1325.66	1337.66	12	
MASJ1352	2078026.596	13826724.35		NO	1324.92	1334.92	10	
MASJ136	2077915.879	13826830.16		NO	1325.63	1334.63	9	
MASJ1361	2077476.827	13826355.31		NO	1319	1327	8	
MASJ1362	2077716.965	13826977.69		NO	1325.46	1332.46	7	
MASJ137	2077577.568	13825952		NO	1316.63	1324.63	8	
MASJ140	2087991.398	13818271.27		NO	1234	1263	29	
MASJ1801	2079712.947	13816958.72	WDT	NO	1330.71	1352.71	22	
MASJ1803	2080428.389	13816974.29	WDT	NO	1302.65	1312.65	10	
MASJ1848	2080683.389	13816524.29	WDT	NO	1287.83	1308.83	21	

Junctions SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Inflows	Invert Elev. (ft)	Rim Elev. (ft)	Depth (ft)	Time Series
MASJ2123	2081589.389	13812963.29	WDT	NO	1346	1378	32	
MASJ2149	2081591.285	13812775.72	WDT	NO	1353.63	1385.63	32	
MASJ2187	2081722.83	13812757.6	WDT	NO	1362.55	1383.55	21	
MASJ2191	2081952.836	13812294.5	WDT	NO	1382.66	1391.66	9	
MASJ2703	2081799.354	13812307.58	WDT	NO	1371.47	1394.47	23	
MASJ2769	2078181.389	13826241.29	WDT	NO	1318.87	1331.87	13	
MASJ2814	2077734.389	13826730.29	WDT	NO	1323	1333	10	
MASJ2948	2087496.389	13817373.29	WDT	NO	1253	1268	15	
MASJ3041	2088725.439	13818133.46		NO	1223.5	1274.5	51	
MASJ888	2077800.389	13826613.29	WDT	NO	1321.88	1331.88	10	
MASJ916	2077776.389	13826853.29	WDT	NO	1324	1333	9	
MASJ929	2078181.389	13826307.29	WDT	NO	1318.93	1331.93	13	
MASJ95	2081737.911	13812029.27		NO	1380.55	1401.55	21	
PostOakIntoCity	2081748.389	13828383.29	WDT	YES	1308	1334	26	PostOakIntoCity_Xyr*
J908	2079723.389	13826454.29	WDT	NO	1346.02	1370.02	24	
J149	2079299.584	13826240.93		NO	1335	1359	24	
MAS78_DS	2082877.732	13808452.24		NO	1349	1399	50	
J73	2076427.02	13822552.98		NO	1304	1318	14	
1	2084736.389	13807071.7		NO	1311.59	1322.59	11	
3	2084873.777	13807117.42		NO	1305.67	1316.67	11	
J72	2076394.873	13822605.95		NO	1307	1323	16	
J2828	2081209.54	13817203.24	WDT	NO	1249.32	1303.32	54	
J2780	2081282.082	13817202.75	WDT	NO	1248.5	1277.5	29	
MAS42	2079265.656	13810103.74	WDT	NO	1348	1359	11	

* - X represents the return interval modeled

Conduits SWMM Inputs

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Elev. (ft)	Outlet Elev. (ft)	Entry Loss Coeff.	Exit Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3	Geom4	Barrels	Transect	Shape Curve	Culvert Code	Slope (ft/ft)
3	J2832	J2923		50	0.01	1248	1247.9	0	0	IRREGULAR	0	0	0	0	1	OJ2832			0.002
4	J2869	J1669		50	0.01	1270	1269.9	0	0	IRREGULAR	0	0	0	0	1	OJ2832			0.002
5	J2846	J2963		50	0.01	1259	1258.5	0	0	IRREGULAR	0	0	0	0	1	OJ2963			0.01
6	J1719	J2832		50	0.01	1263.5	1263	0	0	IRREGULAR	0	0	0	0	1	OJ2832B			0.01
C_1	J725	J44	n	838.77	0.01	1300.01	1296	0	0	IRREGULAR	0	0	0	0	1	C_120			0.00478
C_100	J2995	J2997	N	351.064	0	1318.08	1315.66	0	0	IRREGULAR	0	0	0	0	1	c_100			0.00689
C_101	J2997	J2996	aerial	20.753	0.023	1315.66	1312.79	0.5	1	CIRCULAR	3	0	0	0	5				0.13963
C_102	J2996	J29951	N	125.602	0	1312.79	1307	0	0	IRREGULAR	0	0	0	0	1	C_102			0.04615
C_110	J1613	J3003	n	62.447	0.01	1254.09	1250	0	0	IRREGULAR	0	0	0	0	1	C_110			0.06564
C_117	J1415	J3006	n	330.163	0	1266	1264.04	0	0	IRREGULAR	0	0	0	0	1	C_117			0.00594
C_118	J1371	J1415	n	433.274	0	1267	1266	0	0	IRREGULAR	0	0	0	0	1	C_118			0.00231
C_119	J1110	J1104	n	616.624	0	1281	1279.15	0	0	IRREGULAR	0	0	0	0	1	C_119			0.003
C_122	J3007	J2842	aerial	52.92	0.022	1296.2	1296	0.5	1	CIRCULAR	4	0	0	0	4			4	0.00378
C_123	J856	J3007	n	86.62	0	1300.97	1296.2	0	0	IRREGULAR	0	0	0	0	1	C_123			0.05515
C_124	J839	J3044	n	111.425	0	1300.91	1295	0	0	IRREGULAR	0	0	0	0	1	C_124			0.05311
C_148	J3049	J3022	N	249.292	0	1251.5	1251	0	0	IRREGULAR	0	0	0	0	1	C_148			0.00201
C_156	J1163	J3027	n	268.348	0.01	1294.06	1271	0	0	IRREGULAR	0	0	0	0	1	C_156			0.08625
C_3	J44	J3044	n	545.44	0.01	1296	1295	0	0	IRREGULAR	0	0	0	0	1	C_120			0.00183
C_4	J3044	J3007	n	82.65	0.01	1295	1296.2	0	0	IRREGULAR	0	0	0	0	1	C_120			-0.01452
C_9_91	J127	J124	aerial	58.52	0.022	1280	1278	0.5	1	CIRCULAR	2	0	0	0	2				0.0342
C_GR_001	gr14	gr15	Aerial	24.1	0.022	1297	1295.37	0.5	1	RECT_CLOSED	3	15	0	0	1				0.06779
C_MAS042517	AmmanLWCDS	J816		5829.95	0.01	1361.45	1305	0	0	IRREGULAR	0	0	0	0	1	new43			0.00968
C_MAS100	MAS105	MAS120	n	176.1	0.01	1302.8	1301	0	0	IRREGULAR	0	0	0	0	1	C_MAS100			0.01022
C_MAS101_1	MAS8	J151	n	163.01	0.01	1307	1306	0	0	IRREGULAR	0	0	0	0	1	C_MAS101_1			0.00613
C_MAS101_2	J151	MAS129	field_survey	43.69	0.012	1306	1304.12	0.5	1	RECT_CLOSED	4	15	0	0	1			54	0.04307
C_MAS102	MAS67	MAS126	n	193.76	0.01	1307.08	1305	0	0	IRREGULAR	0	0	0	0	1	C_MAS102			0.01074
C_MAS103	MAS4	MAS114	n	175.18	0.01	1343	1339.52	0	0	IRREGULAR	0	0	0	0	1	C_MAS103			0.01987
C_MAS105	MAS74	MAS132	n	529.38	0.01	1304.06	1279	0	0	IRREGULAR	0	0	0	0	1	C_MAS105			0.04739
C_MAS106	MAS20	MAS31	n	248.35	0.01	1386.4	1379	0	0	IRREGULAR	0	0	0	0	1	C_MAS106			0.02981
C_MAS107	MAS136	MAS110	n	361.18	0.01	1364.68	1354.78	0	0	IRREGULAR	0	0	0	0	1	C_MAS107			0.02742
C_MAS108_3	J158	J159	aerial	54.73	0.022	1354	1351.2	0.5	1	CIRCULAR	3	0	0	0	1				0.05123
C_MAS108_4	J159	MAS107	n	408.79	0.01	1351.2	1335	0	0	IRREGULAR	0	0	0	0	1	C_MAS108_4			0.03966
C_MAS109	MAS2	MAS7	aerial	45.49	0.022	1334	1332.87	0.5	1	CIRCULAR	3	0	0	0	1			1	0.02485
C_MAS11	S_MAS7_Rev	MAS106	aerial	135.91	0.022	1316	1311	0.5	1	CIRCULAR	4	0	0	0	2				0.03681
C_MAS110	MAS7	MAS141	n	164.62	0	1332.87	1327.31	0	0	IRREGULAR	0	0	0	0	1	C_MAS110			0.03379
C_MAS111	MAS141	MAS9	n	118.02	0	1327.31	1324	0	0	IRREGULAR	0	0	0	0	1	C_MAS111			0.02806
C_MAS112	MAS142	MAS24	aerial	60.97	0.022	1367	1363.52	0.5	1	CIRCULAR	5	0	0	0	1				0.05717
C_MAS113	MAS135	MAS136	aerial	40.3	0.022	1365	1364.68	0.5	1	CIRCULAR	5	0	0	0	1				0.00794
C_MAS114	MAS143	MAS135	n	148.07	0.01	1366.13	1365	0	0	IRREGULAR	0	0	0	0	1	C_MAS114			0.00763
C_MAS115	MAS134	MAS143	aerial	51.18	0.022	1367.71	1366.13	0.5	1	CIRCULAR	5	0	0	0	1				0.03089
C_MAS116	MAS138	MAS116	n	320.7	0.01	1344.98	1339	0	0	IRREGULAR	0	0	0	0	1	C_MAS116			0.01865
C_MAS118	MAS144	MAS123	n	180.42	0.01	1313.8	1311	0	0	IRREGULAR	0	0	0	0	1	C_MAS118			0.01552
C_MAS12	MAS87	MAS88	n	240.13	0.01	1297.38	1295.33	0	0	IRREGULAR	0	0	0	0	1	C_MAS12			0.00854
C_MAS121	MAS147	S_MAS1_Rev	n	50	0.4	1333.9	1326	0	0	IRREGULAR	0	0	0	0	1	C_MAS121			0.16001
C_MAS124	MAS56	MAS112	Field_survey	42.18	0.022	1331	1329.76	0.5	1	VERT_ELLIPSE	7	0	0	0	1				0.02941
C_MAS125	MAS128	MAS132	n	100.61	0.01	1281	1279	0	0	IRREGULAR	0	0	0	0	1	C_MAS125			0.01988
C_MAS13	MAS86	MAS87	n	110.73	0.01	1298.01	1297.38	0	0	IRREGULAR	0	0	0	0	1	C_MAS13			0.00569
C_MAS136	MAS159	MAS21	n	196.74	0.01	1375.83	1371.69	0	0	IRREGULAR	0	0	0	0	1	C_MAS136			0.02105
C_MAS14	MAS120	MAS86	n	322.72	0.01	1301	1298.01	0	0	IRREGULAR	0	0	0	0	1	C_MAS14			0.00927
C_MAS140	MAS137	MAS138	field_survey	51.79	0.022	1349	1344.98	0.5	1	HORIZ_ELLIPSE	7	0	0	0	1				0.07786

Conduits SWMM Inputs

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Elev. (ft)	Outlet Elev. (ft)	Entry Loss Coeff.	Exit Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3	Geom4	Barrels	Transect	Shape Curve	Culvert Code	Slope (ft/ft)
C_MAS142	MAS168	MAS126	n	674.73	0.01	1328.81	1305	0	0	IRREGULAR	0	0	0	0	1	C_MAS142			0.03531
C_MAS143	MAS167	MAS168	n	431.49	0.01	1352.74	1328.81	0	0	IRREGULAR	0	0	0	0	1	C_MAS143			0.05554
C_MAS144	MAS170	MAS14	AERIAL	108.22	0.012	1359.5	1356	0.5	1	RECT_CLOSED	4	15	0	0	1				0.03236
C_MAS145	MAS27	MAS159	n	532.3	0.01	1396.66	1375.83	0	0	IRREGULAR	0	0	0	0	1	C_MAS145			0.03916
C_MAS146	MAS151	MAS171	n	295.828	0.01	1364.66	1350.3	0	0	IRREGULAR	0	0	0	0	1	C_MAS146			0.0486
C_MAS147	MAS171	S_MAS2_Rev	n	328.94	0.01	1350.3	1343	0	0	IRREGULAR	0	0	0	0	1	C_MAS147			0.0222
C_MAS148	MAS157	MAS152	n	329.87	0	1374.08	1369.68	0	0	IRREGULAR	0	0	0	0	1	C_MAS148			0.01334
C_MAS15	S_MAS6_Rev	S_MAS7_Rev	n	702.83	0.01	1321	1316	0	0	IRREGULAR	0	0	0	0	1	C_MAS15			0.00711
C_MAS151	MAS21	MAS153	n	247.01	0.01	1371.69	1368	0	0	IRREGULAR	0	0	0	0	1	C_MAS148			0.01494
C_MAS152	MAS109	MAS157	n	199.14	0.01	1378.26	1374.08	0	0	IRREGULAR	0	0	0	0	1	C_MAS152			0.02099
C_MAS155	MAS44	MAS176	n	165.866	0.01	1382.41	1375.71	0	0	IRREGULAR	0	0	0	0	1	C_MAS155			0.04043
C_MAS156	MAS176	MAS118	n	315.624	0.01	1375.71	1360	0	0	IRREGULAR	0	0	0	0	1	C_MAS156			0.04984
C_MAS157	MAS39	S_MAS5_Rev	n	239.32	0.01	1370.93	1364.84	0	0	IRREGULAR	0	0	0	0	1	C_MAS157			0.02546
C_MAS158	MAS62	MAS177	n	184.79	0.01	1378.44	1371	0	0	IRREGULAR	0	0	0	0	1	C_MAS158			0.04029
C_MAS159	MAS177	MAS178	aerial	61.096	0.022	1371	1368.2	0.5	1	CIRCULAR	3	0	0	0	1				0.04588
C_MAS16	S_MAS1_Rev	S_MAS6_Rev	FIELD_SURVEY	50	0.022	1326	1324	0.5	1	CIRCULAR	4	0	0	0	2				0.04003
C_MAS160	MAS178	MAS71	n	562.06	0.01	1368.2	1340	0	0	IRREGULAR	0	0	0	0	1	C_MAS160			0.05024
C_MAS161	MAS179	MAS115	n	428.56	0.01	1359.91	1344	0	0	IRREGULAR	0	0	0	0	1	C_MAS161			0.03715
C_MAS162_1	MAS54	J13	n	141.033	0.01	1386.96	1376.08	0	0	IRREGULAR	0	0	0	0	1	C_MAS162			0.07738
C_MAS162_2	J13	MAS180	n	371.312	0.01	1376.08	1364	0	0	IRREGULAR	0	0	0	0	1	C_MAS162			0.03255
C_MAS163	MAS180	MAS179	aerial	47.165	0.022	1364	1359.91	0.5	1	CIRCULAR	3	0	0	0	1				0.08704
C_MAS164	MAS59	MAS181	n	418.45	0.01	1358.11	1341.83	0	0	IRREGULAR	0	0	0	0	1	C_MAS164			0.03893
C_MAS165	MAS181	MAS145	n	659.12	0.01	1341.83	1316	0	0	IRREGULAR	0	0	0	0	1	C_MAS165			0.03922
C_MAS166	MAS169	MAS182	n	324.86	0.01	1366.54	1351.28	0	0	IRREGULAR	0	0	0	0	1	C_MAS166			0.04703
C_MAS167	MAS182	MAS116	n	300.29	0.01	1351.28	1339	0	0	IRREGULAR	0	0	0	0	1	C_MAS167			0.04093
C_MAS168	MAS183	MAS56	n	206.63	0.01	1341	1331	0	0	IRREGULAR	0	0	0	0	1	C_MAS168			0.04845
C_MAS169	MAS46	S_MAS1_Rev	n	50	0.01	1340.85	1326	0	0	IRREGULAR	0	0	0	0	1	C_MAS169			0.31103
C_MAS17	MAS126	MAS105	n	254.53	0.01	1305	1302.8	0	0	IRREGULAR	0	0	0	0	1	C_MAS17			0.00864
C_MAS170	MAS110	MAS184	n	374.774	0.01	1354.78	1345	0	0	IRREGULAR	0	0	0	0	1	C_MAS170			0.0261
C_MAS171	MAS184	MAS147	n	460.85	0.01	1345	1333.9	0	0	IRREGULAR	0	0	0	0	1	C_MAS171			0.02409
C_MAS174	MAS73	MAS185	n	131.213	0.01	1310	1307	0	0	IRREGULAR	0	0	0	0	1	C_MAS174			0.02287
C_MAS175	MAS185	S_MAS8_Rev	n	873.56	0.01	1307	1297.52	0	0	IRREGULAR	0	0	0	0	1	C_MAS175			0.01085
C_MAS18	MAS5	MAS8	n	187.34	0.01	1309	1307	0	0	IRREGULAR	0	0	0	0	1	C_MAS18			0.01068
C_MAS19	MAS6	MAS5	n	151.89	0.01	1311.37	1309	0	0	IRREGULAR	0	0	0	0	1	C_MAS19			0.01561
C_MAS2	MAS90	MAS92	n	254.28	0.01	1277.09	1274	0	0	IRREGULAR	0	0	0	0	1	C_MAS2			0.01215
C_MAS20	MAS111	MAS6	n	212.12	0.01	1319	1311.37	0	0	IRREGULAR	0	0	0	0	1	C_MAS20			0.03599
C_MAS21	MAS119	MAS80	n	505.41	0.01	1332	1327.56	0	0	IRREGULAR	0	0	0	0	1	C_MAS21			0.00879
C_MAS22	MAS123	MAS67	n	458.91	0.01	1311	1307.08	0	0	IRREGULAR	0	0	0	0	1	C_MAS22			0.00854
C_MAS23	MAS125	MAS123	n	198.47	0.01	1316.05	1311	0	0	IRREGULAR	0	0	0	0	1	C_MAS23			0.02545
C_MAS24	MAS9	MAS111	n	392.33	0.01	1324	1319	0	0	IRREGULAR	0	0	0	0	1	C_MAS24			0.01275
C_MAS25	S_MAS2_Rev	MAS46	AERIAL	88.26	0.022	1343	1340.85	0.5	1	CIRCULAR	3	0	0	0	1				0.02437
C_MAS26	MAS76	MAS128	n	690.64	0.01	1295	1281	0	0	IRREGULAR	0	0	0	0	1	C_MAS26			0.02028
C_MAS27	MAS61	MAS119	n	576.48	0.01	1342.02	1332	0	0	IRREGULAR	0	0	0	0	1	C_MAS27			0.01738
C_MAS28_1	MAS175	J152	n	344.67	0.01	1354	1347	0	0	IRREGULAR	0	0	0	0	1	C_MAS28_1			0.02031
C_MAS28_2	J152	S_MAS2_Rev	aerial	105.24	0.022	1347	1343	0.5	1	CIRCULAR	3	0	0	0	1				0.03804
C_MAS29	MAS113	MAS125	n	416.64	0.01	1325.12	1316.05	0	0	IRREGULAR	0	0	0	0	1	C_MAS29			0.02177
C_MAS3	MAS132	MAS90	n	333.96	0.01	1279	1277.09	0	0	IRREGULAR	0	0	0	0	1	C_MAS3			0.00572
C_MAS30	MAS115	MAS61	n	81.71	0.01	1344	1342.02	0	0	IRREGULAR	0	0	0	0	1	C_MAS30			0.02424
C_MAS31	MAS57	MAS115	n	163.67	0.01	1346.04	1344	0	0	IRREGULAR	0	0	0	0	1	C_MAS31			0.01247
C_MAS32	MAS114	MAS2	n	364.78	0.01	1339.52	1334	0	0	IRREGULAR	0	0	0	0	1	C_MAS32			0.01513

Conduits SWMM Inputs

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Elev. (ft)	Outlet Elev. (ft)	Entry Loss Coeff.	Exit Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3	Geom4	Barrels	Transect	Shape Curve	Culvert Code	Slope (ft/ft)
C_MAS33	MAS99	MAS127_1	n	289.68	0.01	1277.47	1268	0	0	IRREGULAR	0	0	0	0	1	C_MAS33			0.03271
C_MAS34	MAS69	MAS76	n	483.49	0.01	1307.13	1295	0	0	IRREGULAR	0	0	0	0	1	C_MAS34			0.0251
C_MAS35	MAS107	MAS113	n	437.79	0.01	1335	1325.12	0	0	IRREGULAR	0	0	0	0	1	C_MAS35			0.02257
C_MAS36	MAS68	MAS168	field_survey	41.8	0.022	1331	1328.81	0.5	1	ARCH	4	0	0	0	2				0.05246
C_MAS37	MAS18	MAS4	n	321.75	0.01	1350.04	1343	0	0	IRREGULAR	0	0	0	0	1	C_MAS37			0.02189
C_MAS38	MAS118	MAS57	n	562.53	0.01	1360	1346.04	0	0	IRREGULAR	0	0	0	0	1	C_MAS38			0.02482
C_MAS39	MAS58	MAS69	n	349	0.01	1318.16	1307.13	0	0	IRREGULAR	0	0	0	0	1	C_MAS39			0.03162
C_MAS4	MAS122	MAS128	n	336.79	0.01	1285	1281	0	0	IRREGULAR	0	0	0	0	1	C_MAS4			0.01188
C_MAS40	MAS32	MAS125	n	393.92	0.01	1329.31	1316.05	0	0	IRREGULAR	0	0	0	0	1	C_MAS40			0.03368
C_MAS41	MAS116	MAS68	n	347.49	0.01	1339	1331	0	0	IRREGULAR	0	0	0	0	1	C_MAS41			0.02303
C_MAS42	MAS108	MAS18	n	469.74	0.01	1364	1350.04	0	0	IRREGULAR	0	0	0	0	1	C_MAS42			0.02973
C_MAS43	MAS112	MAS58	n	251.58	0.01	1329.76	1318.16	0	0	IRREGULAR	0	0	0	0	1	C_MAS43			0.04616
C_MAS44	MAS40	MAS32	n	195.22	0.01	1336.39	1329.31	0	0	IRREGULAR	0	0	0	0	1	C_MAS44			0.03629
C_MAS45	MAS63	S_MAS8_Rev	n	1047.75	0.01	1323.49	1297.52	0	0	IRREGULAR	0	0	0	0	1	C_MAS45			0.02479
C_MAS46	MAS150	MAS151	n	140.15	0.01	1368.05	1364.66	0	0	IRREGULAR	0	0	0	0	1	C_MAS46			0.0242
C_MAS47	MAS102	MAS107	n	535.3	0.01	1346.69	1335	0	0	IRREGULAR	0	0	0	0	1	C_MAS47			0.02184
C_MAS48	MAS29	MAS40	n	259.41	0.01	1345.56	1336.39	0	0	IRREGULAR	0	0	0	0	1	C_MAS48			0.03537
C_MAS49	MAS64	S_MAS1_Rev	n	839.38	0.01	1350.45	1326	0	0	IRREGULAR	0	0	0	0	1	C_MAS49			0.02914
C_MAS5	MAS100	MAS130	n	448.62	0.01	1281.02	1278	0	0	IRREGULAR	0	0	0	0	1	C_MAS5			0.00673
C_MAS50	MAS75	MAS120	n	233.79	0.01	1302.73	1301	0	0	IRREGULAR	0	0	0	0	1	C_MAS50			0.0074
C_MAS51	MAS19	MAS150	n	338.33	0.01	1375	1368.05	0	0	IRREGULAR	0	0	0	0	1	C_MAS51			0.02055
C_MAS52	MAS133	MAS63	n	266.35	0.01	1337	1323.49	0	0	IRREGULAR	0	0	0	0	1	C_MAS52			0.05079
C_MAS53	MAS23	MAS102	n	250.64	0.01	1350.04	1346.69	0	0	IRREGULAR	0	0	0	0	1	C_MAS53			0.01337
C_MAS54	MAS42	MAS29	FIELD_SURVEY	66.78	0.012	1348	1345.56	0.5	1	HORIZ_ELLIPSE	1	0	0	0	1			30	0.03656
C_MAS56	MAS93	MAS92	n	305.78	0.01	1282.88	1274	0	0	IRREGULAR	0	0	0	0	1	C_MAS56			0.02905
C_MAS57	MAS166	MAS109	n	300.83	0.01	1389.73	1378.26	0	0	IRREGULAR	0	0	0	0	1	C_MAS57			0.03816
C_MAS58	MAS103	MAS117	n	490.7	0.01	1284	1274.03	0	0	IRREGULAR	0	0	0	0	1	C_MAS58			0.02032
C_MAS6	MAS77	MAS122	n	639.95	0.01	1293.14	1285	0	0	IRREGULAR	0	0	0	0	1	C_MAS6			0.01272
C_MAS60	MAS24	MAS148	n	346.17	0.01	1363.52	1350	0	0	IRREGULAR	0	0	0	0	1	C_MAS60			0.03909
C_MAS61_1	MAS31	J162	n	222.39	0.01	1379	1375	0	0	IRREGULAR	0	0	0	0	1	C_MAS61_1			0.01799
C_MAS61_2	J162	MAS39	aerial	106.2	0.022	1375	1370.93	0.5	1	CIRCULAR	3	0	0	0	1				0.03835
C_MAS62	MAS41	MAS113	n	478.78	0.01	1345.67	1325.12	0	0	IRREGULAR	0	0	0	0	1	C_MAS62			0.04296
C_MAS63	MAS3	MAS111	n	375.65	0.01	1326.54	1319	0	0	IRREGULAR	0	0	0	0	1	C_MAS63			0.02008
C_MAS64	MAS38	MAS42	n	270.11	0.01	1357.72	1348	0	0	IRREGULAR	0	0	0	0	1	C_MAS64			0.03601
C_MAS66	MAS55	MAS123	n	580.52	0.01	1340.61	1311	0	0	IRREGULAR	0	0	0	0	1	C_MAS66			0.05107
C_MAS67	MAS45	MAS149_Rev	n	253.68	0.01	1346.02	1336	0	0	IRREGULAR	0	0	0	0	1	C_MAS67			0.03953
C_MAS68_1	MAS14	J15	n	83.26	0.01	1356	1355	0	0	IRREGULAR	0	0	0	0	1	C_MAS68			0.01201
C_MAS68_2	J15	MAS23	n	335.29	0.01	1355	1350.04	0	0	IRREGULAR	0	0	0	0	1	C_MAS68			0.01479
C_MAS69_1	MAS83	J157	n	328.96	0.01	1314.04	1306.71	0	0	IRREGULAR	0	0	0	0	1	C_MAS69_1			0.02229
C_MAS69_2	J157	MAS75	aerial	60	0.022	1306.71	1302.73	0.5	1	CIRCULAR	3	0	0	0	2				0.06648
C_MAS7	S_MAS8_Rev	MAS77	aerial	72.29	0.022	1297.52	1293.14	0.5	1	CIRCULAR	3.5	0	0	0	2				0.0607
C_MAS70	MAS17	MAS142	n	85.91	0.01	1369.63	1367	0	0	IRREGULAR	0	0	0	0	1	C_MAS70			0.03063
C_MAS71	MAS52	MAS110	n	546.24	0.01	1377.04	1354.78	0	0	IRREGULAR	0	0	0	0	1	C_MAS71			0.04079
C_MAS73	MAS89	MAS103	n	325.81	0.01	1293	1284	0	0	IRREGULAR	0	0	0	0	1	C_MAS73			0.02763
C_MAS74	MAS104	MAS64	n	539.47	0.01	1374.78	1350.45	0	0	IRREGULAR	0	0	0	0	1	C_MAS74			0.04515
C_MAS75	MAS43	MAS45	n	123.45	0.01	1353.06	1346.02	0	0	IRREGULAR	0	0	0	0	1	C_MAS75			0.05712
C_MAS76	MAS79	MAS137	n	790.19	0.01	1383	1349	0	0	IRREGULAR	0	0	0	0	1	C_MAS76			0.04307
C_MAS77	MAS12	MAS108	n	145.33	0.01	1369	1364	0	0	IRREGULAR	0	0	0	0	1	C_MAS77			0.03442
C_MAS78	MAS51	MAS54	aerial	177.45	0.022	1390.56	1386.96	0.5	1	CIRCULAR	3	0	0	0	1				0.02029
C_MAS79	MAS30	MAS44	n	154.92	0.01	1391.21	1382.41	0	0	IRREGULAR	0	0	0	0	1	C_MAS79			0.0569

Conduits SWMM Inputs

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Elev. (ft)	Outlet Elev. (ft)	Entry Loss Coeff.	Exit Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3	Geom4	Barrels	Transect	Shape Curve	Culvert Code	Slope (ft/ft)
C_MAS8	MAS91	MAS95	n	250.68	0.01	1291.14	1288.21	0	0	IRREGULAR	0	0	0	0	1	C_MAS8			0.01169
C_MAS80	MAS1	MAS3	n	319.18	0.01	1337	1326.54	0	0	IRREGULAR	0	0	0	0	1	C_MAS80			0.03279
C_MAS81	MAS33	MAS43	n	167.29	0.01	1361	1353.06	0	0	IRREGULAR	0	0	0	0	1	C_MAS81			0.04752
C_MAS83	MAS66	MAS105	n	446.68	0.01	1308.06	1302.8	0	0	IRREGULAR	0	0	0	0	1	C_MAS83			0.01178
C_MAS84	MAS81	MAS104	n	228.21	0.01	1386	1374.78	0	0	IRREGULAR	0	0	0	0	1	C_MAS84			0.04922
C_MAS85	MAS82	MAS83	n	307.34	0.01	1332	1314.04	0	0	IRREGULAR	0	0	0	0	1	C_MAS85			0.05854
C_MAS86	MAS49	MAS51	n	183.85	0.01	1396	1390.56	0	0	IRREGULAR	0	0	0	0	1	C_MAS86			0.0296
C_MAS87	MAS36	MAS38	n	443.57	0.01	1374.97	1357.72	0	0	IRREGULAR	0	0	0	0	1	C_MAS87			0.03892
C_MAS88	MAS84	MAS79	n	332.51	0.01	1397	1383	0	0	IRREGULAR	0	0	0	0	1	C_MAS88			0.04214
C_MAS89	MAS101	MAS12	n	174.52	0.01	1376.26	1369	0	0	IRREGULAR	0	0	0	0	1	C_MAS89			0.04164
C_MAS9	MAS88	MAS91	n	349	0.01	1295.33	1291.14	0	0	IRREGULAR	0	0	0	0	1	C_MAS9			0.01201
C_MAS90	MAS78_DS	S_MAS6_Rev	n	870.78	0.01	1352	1321	0	0	IRREGULAR	0	0	0	0	1	C_MAS90			0.03562
C_MAS92	MAS47	MAS49	n	147.12	0.01	1402.38	1396	0	0	IRREGULAR	0	0	0	0	1	C_MAS92			0.04341
C_MAS93	MAS85	MAS89	n	508.18	0.01	1309	1293	0	0	IRREGULAR	0	0	0	0	1	C_MAS93			0.0315
C_MAS94	MAS13	MAS101	n	68.18	0.01	1378.9	1376.26	0	0	IRREGULAR	0	0	0	0	1	C_MAS94			0.03875
C_MAS96	MAS26	MAS27	n	225.65	0.01	1408.22	1396.66	0	0	IRREGULAR	0	0	0	0	1	C_MAS96			0.0513
C_MAS97	MAS34	MAS134	n	431.02	0.01	1374	1367.71	0	0	IRREGULAR	0	0	0	0	1	C_MAS97			0.01459
C_MAS98	MAS95	MAS100	n	823.77	0.01	1288.21	1281.02	0	0	IRREGULAR	0	0	0	0	1	C_MAS98			0.00873
C_MAS99	MAS106	MAS73	n	102.54	0.01	1311	1310	0	0	IRREGULAR	0	0	0	0	1	C_MAS99			0.00975
C1	J2949	J2994	n	116.99	0.01	1235	1234.8	0	0	IRREGULAR	0	0	0	0	1	C1			0.00171
C100	J1871	J1866	aerial	56.005	0.023	1262	1258	0.5	1	CIRCULAR	5	0	0	0	4				0.07161
C1002	J1885	J1844	n	547.89	0.01	1298.13	1260.34	0	0	IRREGULAR	0	0	0	0	1	C1002			0.06914
C1005	J1238	J2736	n	272.953	0.01	1330	1326	0	0	IRREGULAR	0	0	0	0	1	C1005			0.01466
C1006	J819	J35	n	412.645	0.01	1332.32	1320	0	0	IRREGULAR	0	0	0	0	1	C1006			0.02987
C1008	J844	J2734	n	331.992	0.01	1308.84	1306.65	0	0	IRREGULAR	0	0	0	0	1	C1008			0.0066
C101	J900	J2886	n	276.01	0.01	1307.69	1303	0	0	IRREGULAR	0	0	0	0	1	C101			0.01699
C1013	J1563	J3004	n	228.326	0.01	1266.37	1254.68	0	0	IRREGULAR	0	0	0	0	1	C1013			0.05127
C1018	J1691	J1701	n	88.475	0.01	1289.63	1288.18	0	0	IRREGULAR	0	0	0	0	1	C1018			0.01639
C1019	J921	J1004	n	887.957	0.01	1330.07	1305.08	0	0	IRREGULAR	0	0	0	0	1	C1019			0.02815
C102	J120	J121		47.58	0.015	1273.5	1273.72	0	0	IRREGULAR	0	0	0	0	1	new45			-0.00462
C102_1	M5042417	J120		521.62	0.01	1278	1272	0	0	IRREGULAR	0	0	0	0	1	new2			0.0115
C102_3	J120	J121	aerial	33.06	0.022	1272	1272.22	0.5	1	CIRCULAR	3	0	0	0	1			1	-0.00665
C102_4	J121	J2990		303.2	0.01	1272.22	1264	0	0	IRREGULAR	0	0	0	0	1	new2			0.02712
C1022	J2136	J2140	n	184.258	0.01	1404.74	1395.37	0	0	IRREGULAR	0	0	0	0	1	C1022			0.05092
C1024	J968	J2724	n	360.73	0.01	1298	1293	0	0	IRREGULAR	0	0	0	0	1	C1024			0.01386
C1025	J1525	J2723	n	371.079	0.01	1281.64	1281	0	0	IRREGULAR	0	0	0	0	1	C1025			0.00172
C1026	J1346	J2722	n	616.267	0.01	1289.63	1275	0	0	IRREGULAR	0	0	0	0	1	C1026			0.02375
C1029	J2229	J2218	n	215.256	0.01	1394.45	1387.51	0	0	IRREGULAR	0	0	0	0	1	C1029			0.03226
C103	J1155	J2954	n	585.861	0.01	1280.01	1276.38	0	0	IRREGULAR	0	0	0	0	1	C103			0.0062
C1030	J1735	J1745	n	290.594	0.01	1303	1302	0	0	IRREGULAR	0	0	0	0	1	C1030			0.00344
C1032	J1242	J2720	n	74.745	0.01	1310.54	1309	0	0	IRREGULAR	0	0	0	0	1	C1032			0.02061
C1037	J964	J931	n	457.774	0.01	1348.09	1330.05	0	0	IRREGULAR	0	0	0	0	1	C1037			0.03944
C1038	J801	J867	n	514.732	0.01	1345.87	1332.15	0	0	IRREGULAR	0	0	0	0	1	C1038			0.02666
C104	J135	J25		858.31	0.01	1295.49	1288.34	0	0	IRREGULAR	0	0	0	0	1	Transect2			0.00833
C104_1	J1478	J3024	n	623.33	0.01	1264	1263.99	0	0	IRREGULAR	0	0	0	0	1	C104			2.00E-05
C104_2	J3024	J2984	n	208.39	0.01	1263.99	1262.52	0	0	IRREGULAR	0	0	0	0	1	C104			0.00705
C1042	J2269	J2272	n	447.451	0.01	1371.65	1356.57	0	0	IRREGULAR	0	0	0	0	1	C1042			0.03372
C1044	J2116	J2087	n	322.521	0.01	1398.14	1382.51	0	0	IRREGULAR	0	0	0	0	1	C1044			0.04852
C1045	J2101	J2076	N	535.854	0.01	1365.09	1348.23	0	0	IRREGULAR	0	0	0	0	1	C1045			0.03148
C1047	J1536	J3025	n	346.64	0.01	1264.02	1255.5	0	0	IRREGULAR	0	0	0	0	1	C1047			0.02459

Conduits SWMM Inputs

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Elev. (ft)	Outlet Elev. (ft)	Entry Loss Coeff.	Exit Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3	Geom4	Barrels	Transect	Shape Curve	Culvert Code	Slope (ft/ft)
C1048	J1121	J1192	n	482.397	0.01	1319.05	1309.89	0	0	IRREGULAR	0	0	0	0	1	C1048			0.01899
C104MAS	MASJ122	MASJ124	field_survey	53.18	0.022	1316	1314.02	0.5	1	VERT_ELLIPSE	7	0	0	0	3				0.03726
C105	J1178	J1155	n	236.062	0.01	1281	1280.01	0	0	IRREGULAR	0	0	0	0	1	C105			0.00419
C1050_1	J1824	J55	N	418.39	0.01	1344	1328.71	0	0	IRREGULAR	0	0	0	0	1	C1050_1			0.03657
C1050_2	J57	J62	n	372.228	0.01	1325.91	1316.92	0	0	IRREGULAR	0	0	0	0	1	C1050_2			0.02416
C1050_3	J55	J57	aerial	70.056	0.022	1328.71	1325.91	0.5	1	CIRCULAR	4	0	0	0	1				0.04
C1050_4	J62	J63	aerial	60.443	0.022	1316.92	1315.1	0.5	1	CIRCULAR	2.5	0	0	0	1				0.03012
C1050_6	J63	J2714	n	452.074	0.01	1315.1	1305.3	0	0	IRREGULAR	0	0	0	0	1	C1050_6			0.02168
C1052	J1293	J1289	n	597.132	0.01	1314	1311.02	0	0	IRREGULAR	0	0	0	0	1	C1052			0.00499
C1053	J830	J819	n	105.954	0.01	1336.72	1332.32	0	0	IRREGULAR	0	0	0	0	1	C1053			0.04156
C1056	J1553	J1563	n	111.655	0.01	1267.42	1266.37	0	0	IRREGULAR	0	0	0	0	1	C1056			0.0094
C1058	J1848	J1850	N	203.907	0.01	1287.83	1278.03	0	0	IRREGULAR	0	0	0	0	1	C1058			0.04812
C1058MAS	MASJ1848	J1850	N	203.93	0.01	1287.83	1278.03	0	0	IRREGULAR	0	0	0	0	1	C1058			0.04811
C1059	J1480	J2712	n	116.607	0.01	1271.04	1262	0	0	IRREGULAR	0	0	0	0	1	C1059			0.07776
C106	M2042417	M3042417		119.022	0.01	1282.17	1281.36	0	0	IRREGULAR	0	0	0	0	1	c106_b			0.00681
C1060	J1584	J1573	n	152.098	0.01	1269.47	1267.16	0	0	IRREGULAR	0	0	0	0	1	C1060			0.01519
C1064	J1023	J1037	n	292.439	0.01	1300.36	1299.19	0	0	IRREGULAR	0	0	0	0	1	C1064			0.004
C107	J870	J37	n	460.27	0.01	1312	1311	0	0	IRREGULAR	0	0	0	0	1	C107			0.00217
C1071	J1240	J2707	n	344.096	0.01	1278.63	1268.4	0	0	IRREGULAR	0	0	0	0	1	C1071			0.02974
C1074	J1962	J1956	N	58.7	0.023	1350	1347.3	0	0	IRREGULAR	0	0	0	0	1	C1074			0.04605
C1077	J1913	J1891	n	689.267	0.01	1306	1290.13	0	0	IRREGULAR	0	0	0	0	1	C1077			0.02303
C1078	J1069	J1100	n	293.913	0.01	1295.8	1293	0	0	IRREGULAR	0	0	0	0	1	C1078			0.00953
C108	M8042417	J122	aerial	73.79	0.022	1273	1271	0.5	1	CIRCULAR	2	0	0	0	1				0.02711
C108_1	M8042417	J122		77.53	0.022	1274.5	1272.5	0	0	IRREGULAR	0	0	0	0	1	new46			0.02581
C108_3	J122	J123		688.38	0.01	1271	1257.07	0	0	IRREGULAR	0	0	0	0	1	new8			0.02024
C108_4	J123	M9042417	field_survey	74.27	0.012	1257.07	1257.95	0.5	1	RECT_CLOSED	4	6	0	0	6				-0.01185
C1082	J1645	J1629	n	540.445	0.01	1306	1291.52	0	0	IRREGULAR	0	0	0	0	1	C1082			0.0268
C1083	J1377	J2706	n	462.12	0.01	1292	1262.3	0	0	IRREGULAR	0	0	0	0	1	C1083			0.0644
C1084	J2047	SMS1_Rev	reviewed	152.34	0.01	1322.5	1320.16	0	0	IRREGULAR	0	0	0	0	1	C1084			0.01536
C1085	J1336	J1318	n	347.221	0.01	1326.39	1317.51	0	0	IRREGULAR	0	0	0	0	1	C1085			0.02558
C1086	J2216	J2205	N	390.1	0.01	1367.94	1366.26	0	0	IRREGULAR	0	0	0	0	1	C1086			0.00431
C109_1	J1287	J3026	n	862	0.01	1266.21	1261.99	0	0	IRREGULAR	0	0	0	0	1	C109			0.0049
C109_2	J3026	J2965	n	141.81	0.01	1261.99	1264.8	0	0	IRREGULAR	0	0	0	0	1	C109			-0.01982
C1090_2MAS	MASJ1090	MASJ2703	n	114.86	0.01	1372.48	1371.47	0	0	IRREGULAR	0	0	0	0	1	C1090_2MAS			0.00879
C1090_3MAS	J2237	MASJ95	aerial	64.468	0.022	1382.61	1380.55	0.5	1	CIRCULAR	2.5	0	0	0	1				0.03197
C1090_4MAS	MASJ95	MASJ1090	n	245.467	0.01	1380.55	1372.48	0	0	IRREGULAR	0	0	0	0	1	C1090_4			0.03289
C1094	J2250	J2229	n	165.981	0.01	1399.81	1394.45	0	0	IRREGULAR	0	0	0	0	1	C1094			0.03231
C1098	J1917	J1913	n	54.083	0.01	1307.52	1306	0	0	IRREGULAR	0	0	0	0	1	C1098			0.02812
C110	J37	J38	aerial	73.92	0.022	1311	1310	0.5	1	CIRCULAR	3.5	0	0	0	4				0.01353
C1103	J2034	J2032	n	413.121	0.01	1369.22	1355.07	0	0	IRREGULAR	0	0	0	0	1	C1103			0.03427
C1105	J1945	J2696	N	94.828	0.01	1331.25	1324	0	0	IRREGULAR	0	0	0	0	1	C1105			0.07668
C111	M7042417	M8042417		561.75	0.01	1278	1273	0	0	IRREGULAR	0	0	0	0	1	new7			0.0089
C1111	J1259	J1293	n	160.923	0.01	1314.5	1314	0	0	IRREGULAR	0	0	0	0	1	C1111			0.00311
C1113	J1633	J1637	n	578.949	0.01	1269.57	1265.33	0	0	IRREGULAR	0	0	0	0	1	C1113			0.00732
C1115	J2114	J2692	N	441.873	0.01	1358.59	1337.17	0	0	IRREGULAR	0	0	0	0	1	C1115			0.04853
C1117	J2967	J2712	n	693.062	0.01	1263.95	1262	0	0	IRREGULAR	0	0	0	0	1	C1117			0.00281
C1118	J1236	J1297	n	422.44	0.01	1276	1274	0	0	IRREGULAR	0	0	0	0	1	C1118			0.00473
C1119	J946	J2989	n	816.802	0.01	1294.02	1289.62	0	0	IRREGULAR	0	0	0	0	1	C1119			0.00539
C112	J1255	J1287	n	415.25	0.01	1267.12	1266.21	0	0	IRREGULAR	0	0	0	0	1	C112			0.00219
C1120	PostOakIntoCity	J725	n	427.134	0.01	1308	1300.01	0	0	IRREGULAR	0	0	0	0	1	C1120			0.01871

Conduits SWMM Inputs

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Elev. (ft)	Outlet Elev. (ft)	Entry Loss Coeff.	Exit Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3	Geom4	Barrels	Transect	Shape Curve	Culvert Code	Slope (ft/ft)
C1121	J1406	J1422	n	85.212	0.01	1261.99	1261	0	0	IRREGULAR	0	0	0	0	1	C1121			0.01162
C1122	J1283	J2707	n	415.571	0.01	1269.54	1268.4	0	0	IRREGULAR	0	0	0	0	1	C1122			0.00274
C1123	J1291	J1350	n	666.59	0.01	1263.5	1262.73	0	0	IRREGULAR	0	0	0	0	1	C1123			0.00116
C1124	J1199	J2919	n	248.779	0.01	1274.32	1272	0	0	IRREGULAR	0	0	0	0	1	C1124			0.00933
C1125	J1185	J1199	n	217.203	0.01	1275	1274.32	0	0	IRREGULAR	0	0	0	0	1	C1125			0.00313
C1127	J1149	J1178	n	201.737	0.01	1282.09	1281	0	0	IRREGULAR	0	0	0	0	1	C1127			0.0054
C1129	J1143	J1138	n	383.083	0.01	1274.25	1273.46	0	0	IRREGULAR	0	0	0	0	1	C1129			0.00206
C113	J842	J870	n	284.48	0.01	1313.67	1312	0	0	IRREGULAR	0	0	0	0	1	C113			0.00587
C1130	J1609	J1567	n	676.096	0.01	1270.5	1268	0	0	IRREGULAR	0	0	0	0	1	C1130			0.0037
C1131	J2972	J2936	n	144.25	0.01	1275.25	1275	0	0	IRREGULAR	0	0	0	0	1	C1131			0.00173
C1133	J1866	J2832	N	599.383	0.01	1258	1248	0	0	IRREGULAR	0	0	0	0	1	C1133			0.01669
C1134	J996	J2982	n	646.589	0.01	1292.23	1287	0	0	IRREGULAR	0	0	0	0	1	C1134			0.00809
C1140	J2952	J2870	n	59.268	0.01	1302	1301.01	0	0	IRREGULAR	0	0	0	0	1	C1140			0.01671
C1142	J935	J953	n	319.201	0.01	1321	1320.02	0	0	IRREGULAR	0	0	0	0	1	C1142			0.00307
C1146	J1898	J2971	n	1966.598	0.01	1301	1242.5	0	0	IRREGULAR	0	0	0	0	1	C1146			0.02976
C1148	J2796	J1197	n	749.201	0.01	1291.64	1285.06	0	0	IRREGULAR	0	0	0	0	1	C1148			0.00878
C115	J1106	J1149	n	521.744	0.01	1284.15	1282.09	0	0	IRREGULAR	0	0	0	0	1	C115			0.00395
C1150	J25	J1161	n	211.619	0.01	1288.34	1286.25	0	0	IRREGULAR	0	0	0	0	1	C1150			0.00988
C1153	J1704	J2797	n	391.803	0.01	1294.31	1288.78	0	0	IRREGULAR	0	0	0	0	1	C1153			0.01412
C1155	J2860	J1887	N	251.968	0.01	1279.78	1274	0	0	IRREGULAR	0	0	0	0	1	C1155			0.02295
C1156	J1527	J1551	n	312.841	0.01	1283.04	1281.49	0	0	IRREGULAR	0	0	0	0	1	C1156			0.00495
C116	J835	J842	aerial	59.54	0.022	1314	1313.67	0.5	1	CIRCULAR	4	0	0	0	4			4	0.00554
C1162	J2125	J2107	n	574.53	0.01	1375	1358.09	0	0	IRREGULAR	0	0	0	0	1	C1162			0.02945
C1163	J1983	J1991	n	208.56	0.01	1319	1313.26	0	0	IRREGULAR	0	0	0	0	1	C1163			0.02753
C1169	J2158	J2995	N	625.913	0.01	1339.85	1318.08	0	0	IRREGULAR	0	0	0	0	1	C1169			0.0348
C117	M6042417	M7042417		320.712	0.01	1278.28	1278	0	0	IRREGULAR	0	0	0	0	1	new6			0.00087
C1170	J1664	J2750	n	81.935	0.01	1289.08	1287.08	0	0	IRREGULAR	0	0	0	0	1	C1170			0.02442
C1171	J1627	J1623	n	100.378	0.01	1255.25	1255.1	0	0	IRREGULAR	0	0	0	0	1	C1171			0.00149
C1172	J1117	J2954	n	318.136	0.01	1286	1276.38	0	0	IRREGULAR	0	0	0	0	1	C1172			0.03025
C1174	J1926	J2851	N	245.072	0.01	1306.39	1299	0	0	IRREGULAR	0	0	0	0	1	C1174			0.03017
C1175	J1234	J1285	n	190.52	0.01	1293.84	1291.88	0	0	IRREGULAR	0	0	0	0	1	C1175			0.01029
C1176	F1	J2112	N	441.551	0.01	1339.94	1329.73	0	0	IRREGULAR	0	0	0	0	1	C1176			0.02313
C1178	J1085	J85	n	570.043	0.01	1308	1305	0	0	IRREGULAR	0	0	0	0	1	C1178			0.00526
C118	J2781	J1478	n	885.6	0.01	1267	1264	0	0	IRREGULAR	0	0	0	0	1	C118			0.00339
C1182_1	J1168	J2	n	518.503	0.01	1314	1287.6	0	0	IRREGULAR	0	0	0	0	1	C1182			0.05098
C1182_2	J2	J2893	n	176.535	0.01	1287.6	1274.75	0	0	IRREGULAR	0	0	0	0	1	C1182			0.07298
C1183	J2078	J2776	n	105.667	0.01	1360	1356	0	0	IRREGULAR	0	0	0	0	1	C1183			0.03788
C1185	J2214	J2185	N	486.984	0.01	1355.51	1345	0	0	IRREGULAR	0	0	0	0	1	C1185			0.02159
C1186	J950	J2886	n	488.095	0.01	1318.25	1303	0	0	IRREGULAR	0	0	0	0	1	C1186			0.03126
C1188	J2223	J2807	N	263.689	0.023	1357.62	1348.13	0	0	IRREGULAR	0	0	0	0	1	C1188			0.03601
C1189_1	J1112	J141	aerial	76.41	0.022	1313	1311.74	0.5	1	CIRCULAR	3	0	0	0	2				0.01649
C1189_2	J141	J1151	n	392.84	0.01	1311.74	1292	0	0	IRREGULAR	0	0	0	0	1	C1189_2			0.05031
C119	J2817	J835	n	122.63	0.01	1315	1314	0	0	IRREGULAR	0	0	0	0	1	C119			0.00815
C1190	J2720	J1305	n	310.28	0.01	1309	1298	0	0	IRREGULAR	0	0	0	0	1	C1190			0.03547
C1194	J1358	J1390	n	145.184	0.01	1312	1310	0	0	IRREGULAR	0	0	0	0	1	C1194			0.01378
C1199	J879	J955	n	190.16	0.01	1338.17	1333	0	0	IRREGULAR	0	0	0	0	1	C1199			0.0272
C12	J2712	J1454	n	285.66	0.01	1262	1260.93	0	0	IRREGULAR	0	0	0	0	1	C12			0.00375
C120	J2882	J1106	n	213.25	0.01	1285.22	1284.15	0	0	IRREGULAR	0	0	0	0	1	C120			0.00502
C1200_1	J1396	J7	n	393.699	0.01	1301	1293.09	0	0	IRREGULAR	0	0	0	0	1	C1200			0.0201
C1200_2	J7	J2831	n	289.75	0.01	1293.09	1289	0	0	IRREGULAR	0	0	0	0	1	C1200			0.01412

Conduits SWMM Inputs

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Elev. (ft)	Outlet Elev. (ft)	Entry Loss Coeff.	Exit Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3	Geom4	Barrels	Transect	Shape Curve	Culvert Code	Slope (ft/ft)
C121	M10042417	M8042417		242.01	0.01	1277	1273	0	0	IRREGULAR	0	0	0	0	1	new9			0.01653
C1214	J1157	J1168	n	852.518	0.01	1316.01	1314	0	0	IRREGULAR	0	0	0	0	1	C1214			0.00236
C1216	J1538	J2781	n	317.402	0.01	1281	1267	0	0	IRREGULAR	0	0	0	0	1	C1216			0.04415
C122	J1190	J1255	n	487.42	0.01	1269	1267.12	0	0	IRREGULAR	0	0	0	0	1	C122			0.00386
C1226	J1318	J1309	n	156.577	0.01	1317.51	1313.62	0	0	IRREGULAR	0	0	0	0	1	C1226			0.02485
C1229MAS	MASJ929	MASJ2769	n	70.867	0.01	1318.93	1318.87	0	0	IRREGULAR	0	0	0	0	1	C1229			0.00085
C123	J814	J2817	n	257.48	0.01	1316	1315	0	0	IRREGULAR	0	0	0	0	1	C123			0.00388
C1231	J1049	J1031	n	270.977	0.01	1321.18	1308.59	0	0	IRREGULAR	0	0	0	0	1	C1231			0.04651
C1235	J1932	J1974	N	246.112	0.01	1297.2	1286.56	0	0	IRREGULAR	0	0	0	0	1	C1235			0.04327
C1236	J2053	J2737	n	64.79	0.01	1347.04	1344	0	0	IRREGULAR	0	0	0	0	1	C1236			0.04697
C1237	GR11	J1939	aerial	52.16	0.023	1339	1337	0.5	1	CIRCULAR	3	0	0	0	1			1	0.03837
C124	J785	J814	n	59.09	0.01	1316.52	1316	0	0	IRREGULAR	0	0	0	0	1	C124			0.0088
C1247	J1212	J2698	n	592.307	0.01	1289.12	1287	0	0	IRREGULAR	0	0	0	0	1	C1247			0.00358
C125	J1567	J2781	n	417.47	0.01	1268	1267	0	0	IRREGULAR	0	0	0	0	1	C125			0.0024
C126	MAS145	MAS144	aerial	39.21	0.012	1316	1313.8	0.5	1	CIRCULAR	5	0	0	0	3				0.0562
C126MAS	MASJ1352	MASJ1365	n	271.32	0.01	1324.92	1319.37	0	0	IRREGULAR	0	0	0	0	1	C126MAS			0.02046
C127	J1138	J1190	n	435.901	0.01	1273.46	1269	0	0	IRREGULAR	0	0	0	0	1	C127			0.01023
C128	J2982	J2882	n	416.638	0.01	1287	1285.22	0	0	IRREGULAR	0	0	0	0	1	C128			0.00427
C129	J1047	J2982	n	189.756	0.01	1290	1287	0	0	IRREGULAR	0	0	0	0	1	C129			0.01581
C13	J90	J42		155.15	0.01	1298.93	1289	0	0	IRREGULAR	0	0	0	0	1	Transect4			0.06413
C130	J763	J785	n	370.7	0.01	1320.49	1316.52	0	0	IRREGULAR	0	0	0	0	1	C130			0.01071
C131	J68	J70		624.25	0.01	1271.12	1234.7	0	0	IRREGULAR	0	0	0	0	1	c131_b			0.05844
C131_2	J2823	J27	n	204.38	0.01	1310	1306.97	0	0	IRREGULAR	0	0	0	0	1	C131			0.01483
C131_3	J20	J24	n	189.12	0.01	1303.75	1301.85	0	0	IRREGULAR	0	0	0	0	1	C131			0.01005
C131_4	J24	J1935	n	310.49	0.01	1301.85	1298	0	0	IRREGULAR	0	0	0	0	1	C131			0.0124
C131_5	J27	J20	n	254.26	0.01	1306.97	1303.75	0	0	IRREGULAR	0	0	0	0	1	C131			0.01267
C131MAS	MASJ1351	MASJ1365	n	221	0.01	1325.66	1312	0	0	IRREGULAR	0	0	0	0	1	C131MAS			0.06193
C132	J123	M9042417		97.79	0.015	1258.57	1259.45	0	0	IRREGULAR	0	0	0	0	1	new47			-0.009
C132_1	M11042417	M41042417		144.04	0.01	1258	1255	0	0	IRREGULAR	0	0	0	0	1	new11			0.02083
C133	J2739	J1047	n	298.359	0.01	1291.38	1290	0	0	IRREGULAR	0	0	0	0	1	C133			0.00463
C134	J76	J112		427.45	0.01	1253.82	1233.8	0	0	IRREGULAR	0	0	0	0	1	c134_B			0.04689
C134MAS	MASJ135	MASJ929	n	330.55	0.01	1326.83	1318.93	0	0	IRREGULAR	0	0	0	0	1	C359_2MAS			0.02391
C135	M13042417	M12042417		369.724	0.01	1266.53	1253	0	0	IRREGULAR	0	0	0	0	1	new13			0.03662
C136	J2956	J1143	n	178.21	0.01	1274.5	1274.25	0	0	IRREGULAR	0	0	0	0	1	C136			0.0014
C137MAS	MASJ1362	MASJ916	n	143.34	0.01	1325.46	1324	0	0	IRREGULAR	0	0	0	0	1	C137MAS			0.01019
C138	J84	M18042417		310.05	0.01	1268.38	1251	0	0	IRREGULAR	0	0	0	0	1	c138_b			0.05614
C139	J2893	J2956	n	131.55	0.01	1274.75	1274.5	0	0	IRREGULAR	0	0	0	0	1	C139			0.0019
C13MAS	MASJ1141	J78	n	455.28	0.01	1316	1314	0	0	IRREGULAR	0	0	0	0	1	C13MAS			0.00439
C14	J3019	J1898	n	63.14	0.01	1305.47	1301	0	0	IRREGULAR	0	0	0	0	1	C14			0.07097
C140	M1042417	J1161		166.91	0.01	1288	1286.25	0	0	IRREGULAR	0	0	0	0	1	new44			0.01049
C141	M16042417	J1000		219.82	0.01	1296.11	1293.77	0	0	IRREGULAR	0	0	0	0	1	new42			0.01065
C142	J131	J123		221.62	0.01	1265.85	1257.07	0	0	IRREGULAR	0	0	0	0	1	new49			0.03965
C142_1	J2740	J125		1149.61	0.01	1274.76	1267.74	0	0	IRREGULAR	0	0	0	0	1	new14			0.00611
C142_3	J125	J131	aerial	62.32	0.022	1267.74	1265.85	0.5	1	CIRCULAR	3	0	0	0	1				0.03034
C143	J1635	J1609	n	385.61	0.01	1270.94	1270.5	0	0	IRREGULAR	0	0	0	0	1	C143			0.00114
C144	J2936	J2893	n	269	0.01	1275	1274.75	0	0	IRREGULAR	0	0	0	0	1	C144			0.00093
C145	J2945	J1763		489.12	0.01	1240	1237.5	0	0	IRREGULAR	0	0	0	0	1	c145_b			0.00511
C146	J2990	J2902		326.37	0.01	1264	1262.85	0	0	IRREGULAR	0	0	0	0	1	new4			0.00352
C147	M18042417	M19042417		347.95	0.01	1251	1249.82	0	0	IRREGULAR	0	0	0	0	1	new18			0.00339
C148	MAS129	MAS10		133.15	0.01	1304.12	1304.01	0	0	IRREGULAR	0	0	0	0	1	new16			0.00083

Conduits SWMM Inputs

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Elev. (ft)	Outlet Elev. (ft)	Entry Loss Coeff.	Exit Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3	Geom4	Barrels	Transect	Shape Curve	Culvert Code	Slope (ft/ft)
C148_1	M32042417	J47		791.22	0.01	1221	1219.54	0	0	IRREGULAR	0	0	0	0	1	new39			0.00185
C148_2	J47	M33042417		344.67	0.01	1219.54	1219	0	0	IRREGULAR	0	0	0	0	1	new40			0.00157
C149	J980	J2739	n	664.783	0.01	1295.15	1291.38	0	0	IRREGULAR	0	0	0	0	1	C149			0.00567
C14MAS	MASJ2191	MASJ2703	aerial	154.06	0.022	1382.66	1371.47	0.5	1	CIRCULAR	2.5	0	0	0	1				0.07283
C15	J1316	J1371	n	423.77	0.01	1273.03	1267	0	0	IRREGULAR	0	0	0	0	1	C15			0.01423
C150	M31042417	M32042417		394.99	0.01	1223	1221	0	0	IRREGULAR	0	0	0	0	1	new38			0.00506
C151	M30042417	M32042417		480.31	0.01	1236	1221	0	0	IRREGULAR	0	0	0	0	1	new30			0.03125
C153	MASJ3041	M31042417		801.86	0.01	1223.5	1223	0	0	IRREGULAR	0	0	0	0	1	new37			0.00062
C155	J973	J980	n	221.077	0.01	1298	1295.15	0	0	IRREGULAR	0	0	0	0	1	C155			0.01289
C156	J98	J100		370.89	0.01	1311.17	1291.89	0	0	IRREGULAR	0	0	0	0	1	c156_d			0.05205
C156_1	J102	J71	Estimate_J	80	0.022	1309	1299	0	0	RECT_CLOSED	4	15	0	0	1				0.12599
C156_10	J71	J100		656	0.01	1299	1291.89	0	0	IRREGULAR	0	0	0	0	1	c156_c			0.01084
C156_2	J88	J86		654.74	0.01	1277.97	1279	0	0	IRREGULAR	0	0	0	0	1	c156_b			-0.00157
C156_3	MAS10	J90		468.52	0.01	1304.01	1298.93	0	0	IRREGULAR	0	0	0	0	1	c156_b			0.01084
C156_4	J90	J42	Estimate_J	155.15	0.01	1298.93	1289	0	0	RECT_CLOSED	4	15	0	0	1				0.06413
C156_5	J92	J88		314.1	0.01	1281.3	1277.97	0	0	IRREGULAR	0	0	0	0	1	c156_b			0.0106
C156_6	J100	J86_1		629.66	0.01	1291.89	1279	0	0	IRREGULAR	0	0	0	0	1	c156_c			0.02048
C156_7	J94	J102		1504.86	0.01	1386.03	1309	0	0	IRREGULAR	0	0	0	0	1	c156_c			0.05125
C156_9	J42	J92		677	0.01	1289	1281.3	0	0	IRREGULAR	0	0	0	0	1	c156_b			0.01137
C157	J2913	J2972	n	385.48	0.01	1275.5	1275.25	0	0	IRREGULAR	0	0	0	0	1	C157			0.00065
C158	J125	J131		50	0.015	1269.24	1267.35	0	0	IRREGULAR	0	0	0	0	1	new50			0.03783
C158_1	J104	J106		473.47	0.01	1307.85	1311.39	0	0	IRREGULAR	0	0	0	0	1	c158_b			-0.00748
C158_2	J113	J115		456.53	0.01	1320.94	1318.75	0	0	IRREGULAR	0	0	0	0	1	c158_d			0.0048
C158_3	J106	J109		325.47	0.01	1311.39	1311.26	0	0	IRREGULAR	0	0	0	0	1	c158_b			0.0004
C158_4	J109	J92		966.59	0.01	1311.26	1281.3	0	0	IRREGULAR	0	0	0	0	1	c158_b			0.03101
C158_5	J115	J1271		703.58	0.01	1318.75	1264	0	0	IRREGULAR	0	0	0	0	1	c158_d			0.07805
C159	MASJ140	J112	aerial	59.44	0.012	1234	1233.8	0.5	1	RECT_CLOSED	15	12.5	0	0	20				0.00336
C16	J1297	J1316	n	299.6	0.01	1274	1273.03	0	0	IRREGULAR	0	0	0	0	1	C16			0.00324
C160	J2968	J1635	n	608.77	0.01	1271.04	1270.94	0	0	IRREGULAR	0	0	0	0	1	C160			0.00016
C161	J937	J973	n	236.381	0.01	1300.85	1298	0	0	IRREGULAR	0	0	0	0	1	C161			0.01206
C162	AmmanLWCUS	AmmanLWCDS	aerial	52.47	0.022	1362	1361.45	0.5	1	CIRCULAR	3	0	0	0	1				0.01048
C162_1	J2962	J5	n	386.248	0.01	1276	1270.01	0	0	IRREGULAR	0	0	0	0	1	C162			0.01551
C162_2	J5	J3024	n	242.842	0.01	1270.01	1263.99	0	0	IRREGULAR	0	0	0	0	1	C162			0.0248
C163	AmmanLWCUS	AmmanLWCDS		63.35	0.01	1362	1361.45	0	0	IRREGULAR	0	0	0	0	1	new51			0.00868
C164	J2942	J2962	n	192.3	0.01	1277	1276	0	0	IRREGULAR	0	0	0	0	1	C164			0.0052
C165	J1012	J2913	n	389.84	0.01	1295.41	1275.5	0	0	IRREGULAR	0	0	0	0	1	C165			0.05114
C166	J4	J6		13.38	0.01	1380.25	1380	0	0	IRREGULAR	0	0	0	0	1	new53			0.01869
C167	F4	J2729	N	61.06	0	1345.83	1344.18	0	0	IRREGULAR	0	0	0	0	1	C167			0.02703
C168	J8	J2290		234.83	0.01	1377.28	1372	0	0	IRREGULAR	0	0	0	0	1	new52			0.02249
C169	J101	MASJ1141		373.65	0.01	1318	1316	0	0	IRREGULAR	0	0	0	0	1	C169			0.00535
C171	J1593	J2968	n	304.51	0.01	1272	1271.04	0	0	IRREGULAR	0	0	0	0	1	C171			0.00315
C172	J1881	J1871	N	603.26	0.01	1270.02	1262	0	0	IRREGULAR	0	0	0	0	1	C172			0.0133
C173	J2820	J26	n	758.1	0.01	1304	1302.68	0	0	IRREGULAR	0	0	0	0	1	C184			0.00174
C175	J151	MAS129	n	64.74	0.01	1307.5	1305.62	0	0	IRREGULAR	0	0	0	0	1	new17			0.02905
C178	J982	J1012	n	195.82	0.01	1309.56	1295.41	0	0	IRREGULAR	0	0	0	0	1	C179			0.07245
C179_2	J137	J937	n	333.19	0.01	1303	1300.85	0	0	IRREGULAR	0	0	0	0	1	C179_2			0.00645
C18	J1223	J1236	n	173.22	0.01	1277.25	1276	0	0	IRREGULAR	0	0	0	0	1	C18			0.00722
C181	J143	J145	aerial	70.97	0.022	1314	1312	0.5	1	CIRCULAR	3	0	0	0	2				0.02819
C182	J2959	J1881	N	218.72	0.01	1271.64	1270.02	0	0	IRREGULAR	0	0	0	0	1	C182			0.00741
C187	J2724	J996	n	279.321	0.01	1293	1292.23	0	0	IRREGULAR	0	0	0	0	1	C187			0.00276

Conduits SWMM Inputs

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Elev. (ft)	Outlet Elev. (ft)	Entry Loss Coeff.	Exit Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3	Geom4	Barrels	Transect	Shape Curve	Culvert Code	Slope (ft/ft)
C188	J149	J108	aerial	61.5	0.022	1335	1333.36	0.5	1	CIRCULAR	3	0	0	0	2				0.02668
C19	J2756	J1223	n	516.01	0.01	1279	1277.25	0	0	IRREGULAR	0	0	0	0	1	C19			0.00339
C190	J116	J117	aerial	30.22	0.022	1259	1257.12	0.5	1	CIRCULAR	2	0	0	0	4				0.06233
C191	J896	J2820	n	383.14	0.01	1306	1304	0	0	IRREGULAR	0	0	0	0	1	C191			0.00522
C192	J1586	J1593	n	548.269	0.01	1275.02	1272	0	0	IRREGULAR	0	0	0	0	1	C192			0.00551
C193	J2976	J2959	N	360.468	0.01	1272	1271.64	0	0	IRREGULAR	0	0	0	0	1	C193			0.001
C194	J1420	J2934	n	681.16	0.01	1282	1277.5	0	0	IRREGULAR	0	0	0	0	1	C194			0.00661
C195	J108	J110	n	117.24	0.01	1333.36	1331	0	0	IRREGULAR	0	0	0	0	1	C195			0.02013
C195_1MAS	J862	MASJ124	n	256.98	0.01	1317	1314.02	0	0	IRREGULAR	0	0	0	0	1	C195_1MAS			0.0116
C195_2MAS	MASJ124	J982	n	157.31	0.01	1314.02	1309.56	0	0	IRREGULAR	0	0	0	0	1	C195_2MAS			0.02836
C196	J2857	J896	n	109.052	0.01	1306.25	1306	0	0	IRREGULAR	0	0	0	0	1	C196			0.00229
C198	J2734	J2857	n	52.865	0.01	1306.65	1306.25	0	0	IRREGULAR	0	0	0	0	1	C198			0.00757
C2	M29042417	M30042417		250.073	0.01	1239.69	1236	0	0	IRREGULAR	0	0	0	0	1	new29			0.01476
C20	J1104	J2756	n	280.38	0.01	1279.15	1279	0	0	IRREGULAR	0	0	0	0	1	C20			0.00053
C201	J3019	J1898	aerial	63.14	0.022	1305.47	1301	0.5	1	CIRCULAR	5	0	0	0	3				0.07097
C202	J2973	J1586	n	208.29	0.01	1276	1275.02	0	0	IRREGULAR	0	0	0	0	1	C202			0.00471
C203_1	J1653	J74	n	460.53	0.01	1253	1248	0	0	IRREGULAR	0	0	0	0	1	C203			0.01086
C203_2	J74	J3002	n	347.41	0.01	1248	1234.9	0	0	IRREGULAR	0	0	0	0	1	C203			0.03773
C205	F3	F4	aerial	47.547	0.022	1347	1345.83	0.5	1	CIRCULAR	2	0	0	0	1				0.02461
C206_2	J81	J862	n	192.07	0.01	1318	1317	0	0	IRREGULAR	0	0	0	0	1	C206			0.00521
C208	GR13	GR12	aerial	65.86	0.023	1278	1277	0.5	1	CIRCULAR	5	0	0	0	3				0.01519
C209	J110	J107	aerial	54.08	0.022	1331	1329	0.5	1	CIRCULAR	3	0	0	0	2				0.03701
C21	J1699	J9	n	285.69	0.01	1255	1254.27	0	0	IRREGULAR	0	0	0	0	1	C21			0.00256
C211	J927	J2724	n	661.696	0.01	1299.39	1293	0	0	IRREGULAR	0	0	0	0	1	C211			0.00966
C212	J2898	J1653	n	259.585	0.01	1254.03	1253	0	0	IRREGULAR	0	0	0	0	1	C212			0.00397
C213	J1475	J1420	n	683.098	0.01	1284	1282	0	0	IRREGULAR	0	0	0	0	1	C213			0.00293
C214	J1964	J1971	N	275.738	0.01	1282.58	1280.28	0	0	IRREGULAR	0	0	0	0	1	C214			0.00834
C218	J2870	J927	n	180.848	0.01	1301.01	1299.39	0	0	IRREGULAR	0	0	0	0	1	C218			0.00896
C219	MAS148	MAS114	n	333.9	0.01	1350	1339.52	0	0	IRREGULAR	0	0	0	0	1	C219			0.0314
C22	J2899	J1110	n	378.66	0.01	1284.12	1281	0	0	IRREGULAR	0	0	0	0	1	C22			0.00824
C220	J2861	J2734	n	681.72	0.01	1311.52	1306.65	0	0	IRREGULAR	0	0	0	0	1	C220			0.00714
C221	J124	J82	aerial	52.27	0.022	1280.1	1280	0.5	1	CIRCULAR	2	0	0	0	2				0.00191
C223	J1815	J16	n	165.53	0.01	1264.19	1263	0	0	IRREGULAR	0	0	0	0	1	C223			0.00719
C229	J2831	J1475	n	371.056	0.01	1289	1284	0	0	IRREGULAR	0	0	0	0	1	C229			0.01348
C23	MAS35	J158		256.18	0.01	1362.1	1354	0	0	IRREGULAR	0	0	0	0	1	c23_B			0.03163
C23_1MAS	MASJ1161	MASJ130	aerial	33.58	0.012	1324.35	1324.3	0.5	1	RECT_CLOSED	1	3	0	0	1				0.00149
C23_2MAS	MASJ132	MASJ133	aerial	33.25	0.012	1324.05	1324	0.5	1	RECT_CLOSED	1	3	0	0	1				0.0015
C23_3MAS	MASJ130	MASJ132	problem	89.21	0.01	1324.3	1324.05	0	0	IRREGULAR	0	0	0	0	1	MASC231_5			0.0028
C23_5MAS	MASJ133	MASJ119	n	164.25	0.01	1324	1323.8	0	0	IRREGULAR	0	0	0	0	1	MASC231_5			0.00122
C230	f5	f6	aerial	23.535	0.023	1360.54	1359.32	0.5	1	CIRCULAR	1.5	0	0	0	1				0.05191
C232	MAS124	MAS171	aerial	94.53	0.022	1354	1350.3	0.5	1	CIRCULAR	3	0	0	0	1				0.03917
C233	MAS37	MAS133	n	68.37	0.022	1339.56	1337	0	0	CIRCULAR	2	0	0	0	1	C233			0.03747
C234	J1840	J1815	n	369.601	0.01	1273.44	1264.19	0	0	IRREGULAR	0	0	0	0	1	C234			0.02503
C237	gr17	gr18	aerial	31.58	0.022	1292	1291	0.5	1	RECT_CLOSED	3	15	0	0	1				0.03168
C238	J1197	J2977	n	451.423	0.01	1285.06	1271	0	0	IRREGULAR	0	0	0	0	1	C238			0.03116
C23MAS	MASJ136	MASJ1365	n	371.05	0.01	1325.63	1319.37	0	0	IRREGULAR	0	0	0	0	1	C23MAS			0.01687
C24	J2978	J2945	n	350.12	0.01	1241.09	1240	0	0	IRREGULAR	0	0	0	0	1	C24			0.00311
C240	f7	f8	aerial	33.147	0.023	1356	1355.44	0.5	1	CIRCULAR	1.5	0	0	0	1				0.0169
C241_1	BalcIntoCity	J11	n	683.381	0.01	1280	1277	0	0	IRREGULAR	0	0	0	0	1	C241			0.00439
C241_2	J11	J2973	n	415.089	0.01	1277	1276	0	0	IRREGULAR	0	0	0	0	1	C241			0.00241

Conduits SWMM Inputs

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Elev. (ft)	Outlet Elev. (ft)	Entry Loss Coeff.	Exit Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3	Geom4	Barrels	Transect	Shape Curve	Culvert Code	Slope (ft/ft)
C244	J1838	J1840	aerial	36.39	0.022	1277	1273.44	0.5	1	CIRCULAR	4	0	0	0	3				0.0983
C245	J78	J1060	field_survey	79.9	0.022	1314	1311.6	0.5	1	VERT_ELLIPSE	7	0	0	0	3				0.03005
C245_1	J2795	J79	n	302.781	0.01	1292.09	1292	0	0	IRREGULAR	0	0	0	0	1	C245_1			0.0003
C245_2	J79	J2831	field_survey	80.541	0.012	1292	1289	0.5	1	RECT_CLOSED	3	20	0	0	1				0.03727
C246	f6	f7	N	106.07	0	1359.32	1356	0	0	IRREGULAR	0	0	0	0	1	C246			0.03132
C249	J1920	J2976	N	282.458	0.01	1278	1272	0	0	IRREGULAR	0	0	0	0	1	C249			0.02125
C252	J157	MAS75	GROF	50	0.01	1311.21	1307.23	0	0	IRREGULAR	0	0	0	0	1	GROF_100_15			0.07985
C253	J848	J26	n	736.194	0.01	1304.9	1302.68	0	0	IRREGULAR	0	0	0	0	1	C253			0.00302
C254	J1883	J1852	n	136.494	0.01	1283.2	1276	0	0	IRREGULAR	0	0	0	0	1	C254			0.05282
C256	J1860	J1883	n	138.037	0.01	1283.18	1283.2	0	0	IRREGULAR	0	0	0	0	1	C256			-0.00014
C259	J1392	J2795	n	314.72	0.01	1294.53	1292.09	0	0	IRREGULAR	0	0	0	0	1	C259			0.00775
C26	J2793	J2899	n	902.56	0.01	1289.02	1284.12	0	0	IRREGULAR	0	0	0	0	1	C26			0.00543
C261	MAS68	MAS168	GROF	62.87	0.01	1336.5	1334.31	0	0	IRREGULAR	0	0	0	0	1	GROF_100_14			0.03485
C264	MAS137	MAS138	GROF	50	0.01	1357.5	1353.48	0	0	IRREGULAR	0	0	0	0	1	GROF_100_13			0.08066
C266	J2779	J1920	N	368.471	0.01	1284.45	1278	0	0	IRREGULAR	0	0	0	0	1	C266			0.01751
C267	gr15	J2891	N	384.657	0.01	1295.37	1293.18	0	0	IRREGULAR	0	0	0	0	1	C267			0.00569
C27	J2989	J2793	n	200.37	0.01	1289.62	1289.02	0	0	IRREGULAR	0	0	0	0	1	C27			0.00299
C271	J1615	J2973	n	163.675	0.01	1285	1276	0	0	IRREGULAR	0	0	0	0	1	C271			0.05507
C272_1MAS	MASJ1021	MASJ1119	n	282.35	0.01	1318	1315.42	0	0	IRREGULAR	0	0	0	0	1	C272_1MAS			0.00914
C273	J1597	J2898	n	1175.259	0.01	1271.62	1255	0	0	IRREGULAR	0	0	0	0	1	C273			0.01414
C274	J2917	J1392	n	190.18	0.01	1300.3	1294.53	0	0	IRREGULAR	0	0	0	0	1	C274			0.03035
C275	MAS170	MAS14	GROF	188.99	0.01	1365	1361.5	0	0	IRREGULAR	0	0	0	0	1	Grof_100_10			0.01852
C276	f15	f5	N	167.33	0	1365.77	1360.54	0	0	IRREGULAR	0	0	0	0	1	C276			0.03127
C277	MAS71	J161	n	69.22	0.022	1340	1337.5	0	0	IRREGULAR	0	0	0	0	1	C277			0.03614
C278	J161	MAS119	n	85.24	0.01	1337.5	1332	0	0	IRREGULAR	0	0	0	0	1	C_MAS21			0.06466
C279	J816	J848	n	472.044	0.01	1305	1304.9	0	0	IRREGULAR	0	0	0	0	1	C279			0.00021
C28	J2971	J2978	n	601.52	0.01	1242.5	1241.09	0	0	IRREGULAR	0	0	0	0	1	C28			0.00234
C281_1	J1324	J77	n	107.667	0.01	1300.02	1300	0	0	IRREGULAR	0	0	0	0	1	C281_1			0.00019
C281_2	J77	J2917	aerial	78.44	0.012	1300	1300.3	0.5	1	CIRCULAR	3	0	0	0	3			1	-0.00382
C2812MAS_1	J882	J69	n	441.6	0.01	1328	1324.31	0	0	IRREGULAR	0	0	0	0	1	C281			0.00836
C2812MAS_2	J69	J81	n	754.49	0.01	1324.31	1318	0	0	IRREGULAR	0	0	0	0	1	C281			0.00836
C284	f14	f15	aerial	28.46	0.023	1366	1365.77	0.5	1	CIRCULAR	1.5	0	0	0	1				0.00808
C285	J2045	J1997	N	274.704	0.01	1303.08	1299.02	0	0	IRREGULAR	0	0	0	0	1	C285			0.01478
C287	J2924	J2968	n	328.611	0.01	1278	1271.04	0	0	IRREGULAR	0	0	0	0	1	C287			0.02118
C288	J1907	J1860	n	529.213	0.01	1292.11	1283.18	0	0	IRREGULAR	0	0	0	0	1	C288			0.01688
C29	J2846	J2971	n	789.35	0.01	1242.25	1242.5	0	0	IRREGULAR	0	0	0	0	1	C29			-0.00032
C292	J2722	J21	n	550.571	0.01	1275	1276.35	0	0	IRREGULAR	0	0	0	0	1	C292			-0.00245
C294	J1330	J1324	n	107.808	0.01	1301	1300.02	0	0	IRREGULAR	0	0	0	0	1	C294			0.00909
C295	J1625	J1615	n	319.071	0.01	1286	1285	0	0	IRREGULAR	0	0	0	0	1	C295			0.00313
C298	J1161	J2966	n	203.504	0.01	1286.25	1286	0	0	IRREGULAR	0	0	0	0	1	C298			0.00123
C3	J2060	J14	n	228.74	0.01	1353.13	1348.47	0	0	IRREGULAR	0	0	0	0	1	C3			0.02038
C302	J1928	J1907	n	93.793	0.01	1294	1292.11	0	0	IRREGULAR	0	0	0	0	1	C302			0.02015
C303	J1989	J2779	N	471.564	0.01	1295.55	1284.45	0	0	IRREGULAR	0	0	0	0	1	C303			0.02355
C304	J2170	f14	N	110.44	0	1366.94	1366	0	0	IRREGULAR	0	0	0	0	1	C304			0.00851
C307	J3	J4	aerial	39.41	0.022	1380.5	1380.25	0.5	1	CIRCULAR	3	0	0	0	1				0.00634
C308	J2894	J2045	N	219.13	0.01	1306.13	1303.08	0	0	IRREGULAR	0	0	0	0	1	C308			0.01392
C309	J1364	J2722	n	188.389	0.01	1277	1275	0	0	IRREGULAR	0	0	0	0	1	C309			0.01062
C31	J906	J946	n	320.62	0.01	1295.63	1294.02	0	0	IRREGULAR	0	0	0	0	1	C31			0.00502
C313	J1643	J1625	n	175.866	0.01	1288	1286	0	0	IRREGULAR	0	0	0	0	1	C313			0.01137
C314	J1915	J1928	n	154.658	0.01	1295.99	1294	0	0	IRREGULAR	0	0	0	0	1	C314			0.01287

Conduits SWMM Inputs

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Elev. (ft)	Outlet Elev. (ft)	Entry Loss Coeff.	Exit Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3	Geom4	Barrels	Transect	Shape Curve	Culvert Code	Slope (ft/ft)
C316	J1544	J1597	n	535.167	0.01	1279	1271.62	0	0	IRREGULAR	0	0	0	0	1	C316			0.01379
C318	J6	J8	aerial	40.73	0.022	1380	1377.28	0.5	1	CIRCULAR	3	0	0	0	1				0.06693
C319	J2789	J3026	n	176.27	0.01	1271.02	1261.99	0	0	IRREGULAR	0	0	0	0	1	C319			0.0513
C32	J2842	J906	n	179.3	0.01	1296	1295.63	0	0	IRREGULAR	0	0	0	0	1	C32			0.00206
C322	J1719	J2963	n	2343.642	0.01	1263	1244	0	0	IRREGULAR	0	0	0	0	1	C322			0.00811
C324	J1482	J2962	n	451.056	0.01	1278	1276	0	0	IRREGULAR	0	0	0	0	1	C324			0.00443
C327	J99	J2802	aerial	72.89	0.022	1359	1357.97	0.5	1	CIRCULAR	3	0	0	0	6				0.01413
C327_1	J2003	J96	N	257.772	0.01	1302.26	1297	0	0	IRREGULAR	0	0	0	0	1	C327_1			0.02041
C327_2	J96	J1989	aerial	56.301	0.022	1297	1295.55	0.5	1	CIRCULAR	4	0	0	0	3				0.02576
C33	J2829	J1915	aerial	63.76	0.022	1299	1295.99	0.5	1	CIRCULAR	3	0	0	0	2				0.04726
C331	J2797	J1643	n	245.358	0.01	1288.78	1288	0	0	IRREGULAR	0	0	0	0	1	C331			0.00318
C332	J1551	J1544	n	225.774	0.01	1281.49	1279	0	0	IRREGULAR	0	0	0	0	1	C332			0.01103
C333	f8	f9	N	215.56	0.01	1355.44	1347.18	0	0	IRREGULAR	0	0	0	0	1	C333			0.03835
C336MAS_1	MASJ2769	J40	n	106.27	0.01	1318.87	1318.75	0	0	IRREGULAR	0	0	0	0	1	C336			0.00113
C336MAS_2	J40	MASJ1021	n	643.44	0.01	1318.75	1318	0	0	IRREGULAR	0	0	0	0	1	C336			0.00117
C337	J1687	J2960	n	429.12	0.01	1258.09	1248.93	0	0	IRREGULAR	0	0	0	0	1	C337			0.02135
C338	J1887	J2959	N	365.846	0.01	1274	1271.64	0	0	IRREGULAR	0	0	0	0	1	C338			0.00645
C34	J2923	J2846	n	923.43	0.01	1243	1242.25	0	0	IRREGULAR	0	0	0	0	1	C34			0.00081
C344	J1780	J65	aerial	75.88	0.022	1312	1309.39	0.5	1	CIRCULAR	3	0	0	0	1				0.03442
C345	J1060	J2956	n	561.212	0.01	1311.6	1274.5	0	0	IRREGULAR	0	0	0	0	1	C345			0.06625
C347	J2022	J2003	N	215.766	0.01	1308.01	1302.26	0	0	IRREGULAR	0	0	0	0	1	C347			0.02666
C349	J1675	J1687	n	105.013	0.01	1259.7	1258.09	0	0	IRREGULAR	0	0	0	0	1	C349			0.01533
C355	J85	J2798	field_survey	85.28	0.022	1305	1302.41	0.5	1	VERT_ELLIPSE	5	0	0	0	4				0.03038
C355_1	J1249	J72	n	302.834	0.01	1311.12	1307	0	0	IRREGULAR	0	0	0	0	1	C355_1			0.01361
C355_3	J72	J73	aerial	62.544	0.022	1307	1304	0.5	1	CIRCULAR	3	0	0	0	2			4	0.04802
C355_4	J73	J1330	n	263.151	0.01	1304	1301	0	0	IRREGULAR	0	0	0	0	1	C355_4			0.0114
C358	f9	J2729	N	133.27	0.01	1347.18	1344.18	0	0	IRREGULAR	0	0	0	0	1	C358			0.02252
C359_2MAS	MASJ1365	MASJ2769	n	50	0.01	1319	1318.87	0	0	IRREGULAR	0	0	0	0	1	C359_2MAS			0.0026
C360	J2705	J2022	N	140.506	0.01	1312.49	1308.01	0	0	IRREGULAR	0	0	0	0	1	C360			0.0319
C362	J2772	J26	n	230.106	0.01	1303.79	1302.68	0	0	IRREGULAR	0	0	0	0	1	C362			0.00482
C364	J1299	J1364	n	601.562	0.01	1283	1277	0	0	IRREGULAR	0	0	0	0	1	C364			0.00997
C365	J2174	J2158	aerial	65.95	0.022	1344	1339.85	0.5	1	CIRCULAR	4	0	0	0	3				0.06305
C367	SMS1_Rev	J2705	reviewed	86.57	0.022	1320.16	1312.49	0.5	1	CIRCULAR	4	0	0	0	5				0.08895
C368	J1949	J1941	n	459.395	0.01	1306.28	1299.5	0	0	IRREGULAR	0	0	0	0	1	C368			0.01476
C369	J1053	J2796	n	919.048	0.01	1298.81	1291.64	0	0	IRREGULAR	0	0	0	0	1	C369			0.0078
C37	J1941	J2829	n	137.53	0	1299.5	1299	0	0	IRREGULAR	0	0	0	0	1	C37			0.00364
C370	J1469	J1482	n	537.048	0.01	1280	1278	0	0	IRREGULAR	0	0	0	0	1	C370			0.00372
C371	J1095	J2751	n	608.538	0.01	1291.4	1288.89	0	0	IRREGULAR	0	0	0	0	1	C371			0.00412
C372	J1617	J1662	n	721.9	0.01	1268	1252	0	0	IRREGULAR	0	0	0	0	1	C372			0.02217
C375	J1140	J2954	n	232.799	0.01	1282.11	1276.38	0	0	IRREGULAR	0	0	0	0	1	C375			0.02462
C376	J2907	J1527	n	248.11	0.01	1284	1283.04	0	0	IRREGULAR	0	0	0	0	1	C376			0.00387
C379	J1693	J2999	n	592.91	0.01	1251	1236	0	0	IRREGULAR	0	0	0	0	1	C379			0.02531
C38	J2780	J2832	N	524.69	0.01	1248.5	1248	0	0	IRREGULAR	0	0	0	0	1	C38			0.00095
C380	J1829	MASJ2948	n	659.01	0.01	1266.3	1253	0	0	IRREGULAR	0	0	0	0	1	C380			0.02019
C381	J2900	J1675	n	302.621	0.01	1261	1259.7	0	0	IRREGULAR	0	0	0	0	1	C381			0.0043
C382	J2812	J1095	n	113.764	0.01	1292.54	1291.4	0	0	IRREGULAR	0	0	0	0	1	C382			0.01002
C383	J9	J1649	field_survey	25.38	0.012	1254.27	1253.68	0.5	1	CIRCULAR	0.75	0	0	0	2				0.02325
C384_1	J2905	J3027	n	306.33	0.01	1285	1271	0	0	IRREGULAR	0	0	0	0	1	C384			0.04575
C384_2	J3027	J2789	n	378.76	0.01	1271	1271.02	0	0	IRREGULAR	0	0	0	0	1	C384			-5.00E-05
C385	J2748	J2772	n	220.362	0.01	1306.54	1303.79	0	0	IRREGULAR	0	0	0	0	1	C385			0.01248

Conduits SWMM Inputs

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Elev. (ft)	Outlet Elev. (ft)	Entry Loss Coeff.	Exit Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3	Geom4	Barrels	Transect	Shape Curve	Culvert Code	Slope (ft/ft)
C390_2	J138	J2945	n	512.19	0.01	1265.24	1240	0	0	IRREGULAR	0	0	0	0	1	C390_2			0.04934
C390_3	J1842	J139	n	760.92	0.01	1280	1268.79	0	0	IRREGULAR	0	0	0	0	1	C390_3			0.01473
C390_4	J139	J138	aerial	41.9	0.022	1268.79	1265.24	0.5	1	CIRCULAR	4	0	0	0	1				0.08503
C3932MAS	MASJ888	MASJ1365	n	258.64	0.01	1321.88	1319.37	0	0	IRREGULAR	0	0	0	0	1	C393			0.00971
C394	J1649	J1693	n	152.9	0.01	1253.68	1251	0	0	IRREGULAR	0	0	0	0	1	C394			0.01753
C395	J2802	J2944	n	284.07	0.01	1357.97	1350	0	0	IRREGULAR	0	0	0	0	1	C395			0.02807
C399	J2934	J2942	n	79.371	0.01	1277.5	1277	0	0	IRREGULAR	0	0	0	0	1	C399			0.0063
C3MAS	MASJ1119	MASJ1141	aerial	65.89	0.02	1315.42	1316	0.5	1	CIRCULAR	2	0	0	0	1				-0.0088
C4	J2963	J1763	n	1394.56	0.01	1244	1237.5	0	0	IRREGULAR	0	0	0	0	1	C4			0.00466
C40	J2828	J2780	field_survey	72.55	0.012	1249.32	1248.5	0.5	1	RECT_CLOSED	3	7	0	0	4				0.0113
C400	J1991	J1949	n	285.471	0.01	1313.26	1306.28	0	0	IRREGULAR	0	0	0	0	1	C400			0.02446
C401	J1891	J12	n	439.36	0.01	1290.13	1283	0	0	IRREGULAR	0	0	0	0	1	C401			0.01623
C402_1	J2001	GR9	n	575.71	0.01	1335	1318.42	0	0	IRREGULAR	0	0	0	0	1	C402			0.02881
C402_2	GR9	GR8	n	220.18	0.01	1318.42	1314	0	0	IRREGULAR	0	0	0	0	1	C402			0.02008
C403	J2778	J2924	n	1096.19	0.01	1298	1278	0	0	IRREGULAR	0	0	0	0	1	C403			0.01825
C405	J12	J10	aerial	71.52	0.022	1283	1281.11	0.5	1	CIRCULAR	3	0	0	0	2				0.02644
C407	J2693	J66	n	577.06	0.01	1322.56	1313	0	0	IRREGULAR	0	0	0	0	1	C407			0.01657
C407_2	J66	J1249	n	244.612	0.01	1313	1311.12	0	0	IRREGULAR	0	0	0	0	1	C407_2			0.00769
C409	J1102	J1140	n	262.383	0.01	1285.61	1282.11	0	0	IRREGULAR	0	0	0	0	1	C409			0.01334
C41	M28042417	M29042417		265.94	0.01	1239.98	1239.69	0	0	IRREGULAR	0	0	0	0	1	new28			0.00109
C410MAS	MASJ2814	MASJ888	n	139.275	0.01	1323	1321.88	0	0	IRREGULAR	0	0	0	0	1	C410			0.00804
C415_1	J1571	J32	n	473.85	0.01	1272	1269.44	0	0	IRREGULAR	0	0	0	0	1	C415			0.0054
C415_2	J32	J3023	n	339.74	0.01	1269.44	1255	0	0	IRREGULAR	0	0	0	0	1	C415			0.04254
C416	J1900	GR10	N	528.74	0.01	1292.5	1284.18	0	0	IRREGULAR	0	0	0	0	1	C416			0.01574
C42	J1776	J2828	N	409.03	0.01	1249.91	1249.32	0	0	IRREGULAR	0	0	0	0	1	C42			0.00144
C420	J10	J2835	n	274.14	0.01	1281.11	1276.09	0	0	IRREGULAR	0	0	0	0	1	C420			0.01831
C422	J1379	J2934	n	156.22	0.01	1283	1277.5	0	0	IRREGULAR	0	0	0	0	1	C422			0.03523
C425	J1295	J1299	n	511.119	0.01	1289.68	1283	0	0	IRREGULAR	0	0	0	0	1	C425			0.01307
C429	GR10	J2860	aerial	59.941	0.023	1284.18	1279.78	0.5	1	CIRCULAR	5	0	0	0	2				0.0736
C43	J2991	J1776	N	238.27	0.01	1250	1249.91	0	0	IRREGULAR	0	0	0	0	1	C43			0.00038
C430	J2071	SMS1_Rev	n	521.39	0.01	1331.86	1320.16	0	0	IRREGULAR	0	0	0	0	1	C430			0.02245
C432	GR12	J2976	N	233.98	0.01	1277	1272	0	0	IRREGULAR	0	0	0	0	1	C432			0.02137
C434	J2723	J1469	n	605.868	0.01	1281	1280	0	0	IRREGULAR	0	0	0	0	1	C434			0.00165
C435	J1354	J1379	n	103.394	0.01	1285	1283	0	0	IRREGULAR	0	0	0	0	1	C435			0.01935
C436	J2901	J2778	n	301.13	0.01	1302	1298	0	0	IRREGULAR	0	0	0	0	1	C436			0.01328
C438	J1683	J1617	n	539.722	0.01	1276	1268	0	0	IRREGULAR	0	0	0	0	1	C438			0.01482
C439_2	J2994	J70	n	305.51	0.01	1234.8	1234.7	0	0	IRREGULAR	0	0	0	0	1	C439			0.00033
C439_3	J39	J41	n	345.25	0.01	1234.6	1234.5	0	0	IRREGULAR	0	0	0	0	1	C439			0.00029
C439_4	J41	J3002	n	416.69	0.01	1234.5	1234.9	0	0	IRREGULAR	0	0	0	0	1	C439			-0.00096
C439_5	J70	J39	n	286.23	0.01	1234.7	1234.6	0	0	IRREGULAR	0	0	0	0	1	C439			0.00035
C44	M27042417	M28042417		151.11	0.01	1240	1239.98	0	0	IRREGULAR	0	0	0	0	1	new27			0.00013
C440MAS	J3002	MASJ140	n	525.59	0.01	1234.9	1234	0	0	IRREGULAR	0	0	0	0	1	new33			0.00171
C441	J14	J2053	aerial	38.32	0.022	1348.47	1347.04	0.5	1	CIRCULAR	2	0	0	0	1			4	0.03734
C442	J1855	J1829	n	421.972	0.01	1276.01	1266.3	0	0	IRREGULAR	0	0	0	0	1	C442			0.02302
C445	J65	J1745	n	527.09	0.01	1309.39	1302	0	0	IRREGULAR	0	0	0	0	1	C445			0.01402
C446	J2798	J2905	n	457.892	0.01	1302.41	1285	0	0	IRREGULAR	0	0	0	0	1	C446			0.03805
C45	J147	J148	aerial	66.07	0.022	1317	1315	0.5	1	CIRCULAR	3	0	0	0	2				0.03028
C450	J2112	J2995	N	290.78	0.01	1329.73	1318.08	0	0	IRREGULAR	0	0	0	0	1	C450			0.0401
C455_2	J1033	J133	n	170.7	0.01	1298	1296.7	0	0	IRREGULAR	0	0	0	0	1	C455_2			0.00762
C457	J2011	J1983	n	164.92	0.01	1324.12	1319	0	0	IRREGULAR	0	0	0	0	1	C457			0.03106

Conduits SWMM Inputs

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Elev. (ft)	Outlet Elev. (ft)	Entry Loss Coeff.	Exit Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3	Geom4	Barrels	Transect	Shape Curve	Culvert Code	Slope (ft/ft)
C458_1	J1819	J116	n	533.58	0.01	1270.78	1259	0	0	IRREGULAR	0	0	0	0	1	C458_1			0.02208
C458_2	J117	J3002	n	977.05	0.01	1257.12	1234.9	0	0	IRREGULAR	0	0	0	0	1	C458_2			0.02275
C459	J1852	J1838	n	205.27	0.01	1276	1277	0	0	IRREGULAR	0	0	0	0	1	C459			-0.00487
C46	M26042417	M27042417		251.154	0.01	1241.71	1240	0	0	IRREGULAR	0	0	0	0	1	new26			0.00681
C462	J2750	J2924	n	318.142	0.01	1287.08	1278	0	0	IRREGULAR	0	0	0	0	1	C462			0.02855
C464	J2096	J1	n	230.29	0.01	1379	1369.83	0	0	IRREGULAR	0	0	0	0	1	C464			0.03985
C464_1	J2098	J99	n	366.817	0.01	1361.15	1359	0	0	IRREGULAR	0	0	0	0	1	C464_1			0.00586
C465	J1971	GR13	N	198.26	0.01	1280.28	1278	0	0	IRREGULAR	0	0	0	0	1	C465			0.0115
C467	J1623	J1699	n	212.453	0.01	1255.1	1255	0	0	IRREGULAR	0	0	0	0	1	C467			0.00047
C469	J1334	J1354	n	174.943	0.01	1287.11	1285	0	0	IRREGULAR	0	0	0	0	1	C469			0.01206
C47	J148	J143	n	198.57	0.01	1315	1314	0	0	IRREGULAR	0	0	0	0	1	C47			0.00504
C473	J1285	J23	n	251.75	0.01	1291.88	1291	0	0	IRREGULAR	0	0	0	0	1	C473			0.0035
C474	J1999	J2011	n	115.254	0.01	1328	1324.12	0	0	IRREGULAR	0	0	0	0	1	C474			0.03368
C475	J1858	J2923	n	653.371	0.01	1266.65	1243	0	0	IRREGULAR	0	0	0	0	1	C475			0.03622
C479	J2885	J1683	n	243.825	0.01	1279.4	1276	0	0	IRREGULAR	0	0	0	0	1	C479			0.01395
C48	M25042417	M26042417		200.185	0.01	1242	1241.71	0	0	IRREGULAR	0	0	0	0	1	new25			0.00145
C480	J1332	J1334	n	77.004	0.01	1289.62	1287.11	0	0	IRREGULAR	0	0	0	0	1	C480			0.03261
C481	J16	J18	aerial	51.62	0.022	1263	1256.99	0.5	1	CIRCULAR	4	0	0	0	3				0.11722
C482	J1806	J2832	N	991.943	0.01	1292.34	1248.25	0	0	IRREGULAR	0	0	0	0	1	C482			0.04449
C483	J832	J2748	n	732.219	0.01	1317	1306.54	0	0	IRREGULAR	0	0	0	0	1	C483			0.01429
C484	J1729	J1664	n	46.861	0.01	1289.76	1289.08	0	0	IRREGULAR	0	0	0	0	1	C484			0.01451
C486	J2851	J1900	N	316.171	0.01	1299	1292.5	0	0	IRREGULAR	0	0	0	0	1	C486			0.02056
C488	J2835	J1819	n	219.145	0.01	1276.09	1270.78	0	0	IRREGULAR	0	0	0	0	1	C488			0.02424
C489	J1232	J2919	n	276.713	0.01	1277.99	1272	0	0	IRREGULAR	0	0	0	0	1	C489			0.02165
C49	M24042417	M25042417		146.764	0.01	1242.25	1242	0	0	IRREGULAR	0	0	0	0	1	new23			0.0017
C493	J2692	J3020	N	347.85	0.01	1337.17	1338.8	0	0	IRREGULAR	0	0	0	0	1	C493			-0.00469
C494	J1385	J2917	n	166.99	0.01	1301.75	1300.3	0	0	IRREGULAR	0	0	0	0	1	C494			0.00868
C497	J18	J2978	n	310.03	0.01	1256.99	1241.09	0	0	IRREGULAR	0	0	0	0	1	C497			0.05135
C498	J2185	J2174	N	102.328	0.01	1345	1344	0	0	IRREGULAR	0	0	0	0	1	C498			0.00977
C499	J2121	J2098	n	219.677	0.01	1365	1361.15	0	0	IRREGULAR	0	0	0	0	1	C499			0.01753
C5	J1711	J2963	n	497.89	0.01	1247	1244	0	0	IRREGULAR	0	0	0	0	1	C5			0.00603
C50	M23042417	M24042417		191.415	0.01	1243	1242.25	0	0	IRREGULAR	0	0	0	0	1	new24			0.00392
C502	J1879	J1855	n	355.543	0.01	1281.67	1276.01	0	0	IRREGULAR	0	0	0	0	1	C502			0.01592
C504_1	J986	J28	n	234.02	0.01	1325	1322	0	0	IRREGULAR	0	0	0	0	1	C504			0.01282
C504_2	J28	J1027	n	300.13	0.01	1322	1321	0	0	IRREGULAR	0	0	0	0	1	C504			0.00333
C505	J1619	J_0406_3	n	195.46	0.01	1264	1260.94	0	0	IRREGULAR	0	0	0	0	1	C505			0.01566
C506	GR5	J2001	n	590.366	0.01	1342.09	1335	0	0	IRREGULAR	0	0	0	0	1	C506			0.01201
C507	CibIntoCity	J2913	n	412.071	0.01	1276	1275.5	0	0	IRREGULAR	0	0	0	0	1	C509			0.00121
C51	M22042417	M23042417		226.81	0.01	1243.88	1243	0	0	IRREGULAR	0	0	0	0	1	new22			0.00388
C510	J1873	J1858	aerial	199.456	0.022	1281.98	1266.65	0.5	1	CIRCULAR	6	0	0	0	1				0.07709
C516	J1956	GR11	N	252.43	0.01	1347.3	1339	0	0	IRREGULAR	0	0	0	0	1	C516			0.0329
C516_1	J1027	J83	aerial	58.882	0.022	1321	1319	0.5	1	CIRCULAR	3	0	0	0	3				0.03399
C516_2	J992	J1027	n	446.315	0.01	1325	1321	0	0	IRREGULAR	0	0	0	0	1	C516_2			0.00896
C516_4	J83	J78	n	623.851	0.01	1319	1314	0	0	IRREGULAR	0	0	0	0	1	C516_4			0.00801
C518	J2094	J2692	N	120.621	0.01	1340	1337.17	0	0	IRREGULAR	0	0	0	0	1	C518			0.02347
C519	J1889	J1842	n	787.057	0.01	1294	1280	0	0	IRREGULAR	0	0	0	0	1	C519			0.01779
C52	M21042417	M22042417		263.97	0.01	1246.78	1243.88	0	0	IRREGULAR	0	0	0	0	1	new21			0.01099
C524	J1985	J1953	n	443.96	0.01	1326.49	1324.37	0	0	IRREGULAR	0	0	0	0	1	C524			0.00478
C53	J2869	J3049	N	838.69	0.01	1254.85	1251.5	0	0	IRREGULAR	0	0	0	0	1	C53			0.00399
C530	J1307	J1332	n	227.439	0.01	1294.81	1289.62	0	0	IRREGULAR	0	0	0	0	1	C530			0.02283

Conduits SWMM Inputs

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Elev. (ft)	Outlet Elev. (ft)	Entry Loss Coeff.	Exit Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3	Geom4	Barrels	Transect	Shape Curve	Culvert Code	Slope (ft/ft)
C532	J2714	J2901	n	329.24	0.01	1305.3	1302	0	0	IRREGULAR	0	0	0	0	1	C532			0.01002
C537	J_0406_3	J2898	n	385.48	0.01	1260.94	1255	0	0	IRREGULAR	0	0	0	0	1	C537			0.01541
C538	J2134	J2125	n	115.137	0.01	1377.8	1375	0	0	IRREGULAR	0	0	0	0	1	C538			0.02433
C540	J2878	J2121	n	129.625	0.01	1368	1365	0	0	IRREGULAR	0	0	0	0	1	C540			0.02315
C543	J1151	J2905	n	154.156	0.01	1292	1285	0	0	IRREGULAR	0	0	0	0	1	C543			0.04546
C546	J2726	J2900	n	185.69	0.01	1262.34	1261	0	0	IRREGULAR	0	0	0	0	1	C546			0.00722
C548	J1074	J1117	n	192.546	0.01	1289.34	1286	0	0	IRREGULAR	0	0	0	0	1	C548			0.01735
C55	M20042417	M21042417		170.981	0.01	1248.51	1246.78	0	0	IRREGULAR	0	0	0	0	1	new20			0.01012
C551	J1669	J19	n	321.07	0.01	1265.02	1264	0	0	IRREGULAR	0	0	0	0	1	C551			0.00318
C555	J1403	J2902	reviewed	139.228	0.01	1265.42	1262.85	0	0	IRREGULAR	0	0	0	0	1	C555			0.01846
C556	J19	J1719	aerial	58.21	0.015	1264	1263	0.5	1	CIRCULAR	4	0	0	0	10				0.01718
C557	J1997	gr14	N	292.54	0.01	1299.02	1297	0	0	IRREGULAR	0	0	0	0	1	C557			0.00691
C558	J1510	J2900	n	1006.942	0.01	1265.09	1261	0	0	IRREGULAR	0	0	0	0	1	C558			0.00406
C56	J2864	J2991	N	393.09	0.01	1250.99	1250	0	0	IRREGULAR	0	0	0	0	1	C56			0.00252
C561	J1269	J1232	n	243.318	0.01	1281.61	1277.99	0	0	IRREGULAR	0	0	0	0	1	C561			0.01488
C562	J3004	J2915	field_survey	85.73	0.012	1253.94	1255	0.5	1	RECT_CLOSED	10	10	0	0	8				-0.01237
C563	J2776	J2036	n	192.4	0.01	1356	1350.88	0	0	IRREGULAR	0	0	0	0	1	C563			0.02662
C565	J1588	J2898	n	449.141	0.01	1260	1254.03	0	0	IRREGULAR	0	0	0	0	1	C565			0.01329
C568	J2030	J1999	n	434.694	0.01	1337.57	1328	0	0	IRREGULAR	0	0	0	0	1	C568			0.02202
C57	M19042417	M20042417		504.79	0.01	1249.82	1248.51	0	0	IRREGULAR	0	0	0	0	1	new19			0.0026
C571	J2729	J2160	N	138.465	0.01	1344.18	1342	0	0	IRREGULAR	0	0	0	0	1	C571			0.01575
C573	J1560	J1571	n	842.624	0.01	1276	1272	0	0	IRREGULAR	0	0	0	0	1	C573			0.00475
C575_1	J2754	J87	N	197.82	0.01	1288	1285	0	0	IRREGULAR	0	0	0	0	1	C575_1			0.01517
C575_3	J87	J93	aerial	69.071	0.022	1285	1282.61	0.5	1	CIRCULAR	3.5	0	0	0	3				0.03462
C575_4	J93	J2885	n	137.77	0.01	1282.61	1279.4	0	0	IRREGULAR	0	0	0	0	1	C575_4			0.02331
C577	J1660	J1627	n	358.179	0.01	1256.5	1255.25	0	0	IRREGULAR	0	0	0	0	1	C577			0.00349
C58	M12042417	M18042417		499.93	0.01	1253	1251	0	0	IRREGULAR	0	0	0	0	1	new15			0.004
C580_1	J2753	J29951	N	497.44	0.01	1321.05	1307	0	0	IRREGULAR	0	0	0	0	1	C580			0.02826
C580_2	J29951	J2894	N	66.59	0.01	1307	1306.13	0	0	IRREGULAR	0	0	0	0	1	C580			0.01307
C581	J2774	J1879	n	293.063	0.01	1286	1281.67	0	0	IRREGULAR	0	0	0	0	1	C581			0.01478
C582	J107	J992	n	198.82	0.01	1329	1325	0	0	IRREGULAR	0	0	0	0	1	C582			0.02012
C587	J2891	gr16	aerial	40	0.022	1293.18	1293	0.5	1	RECT_CLOSED	3	15	0	0	1				0.0045
C588	J2123	J2094	N	255.491	0.01	1346	1340	0	0	IRREGULAR	0	0	0	0	1	C588			0.02349
C588MAS	MASJ2123	J2094	N	255.51	0.01	1346	1340	0	0	IRREGULAR	0	0	0	0	1	C588			0.02349
C59	J49	J73		572.61	0.01	1319.68	1304	0	0	IRREGULAR	0	0	0	0	1	c59_b			0.02739
C59_1	M9042417	M41042417		252.19	0.01	1257.95	1255	0	0	IRREGULAR	0	0	0	0	1	new10			0.0117
C59_2	M41042417	M12042417		242.59	0.01	1255	1253	0	0	IRREGULAR	0	0	0	0	1	new12			0.00824
C590	J1305	J1307	n	245.392	0.01	1298	1294.81	0	0	IRREGULAR	0	0	0	0	1	C590			0.013
C591	J990	J1033	n	607.757	0.01	1303	1298	0	0	IRREGULAR	0	0	0	0	1	C591			0.00823
C592	J1647	J1660	n	65.549	0.01	1260.3	1256.5	0	0	IRREGULAR	0	0	0	0	1	C592			0.05807
C593	J3006	J2967	field_survey	55.85	0.022	1264.04	1263.95	0.5	1	ARCH	7.75	5.25	0	0	4			45	0.00161
C596	J2694	J2891	N	83.259	0.01	1294	1293.18	0	0	IRREGULAR	0	0	0	0	1	C596			0.00985
C6	J1697	J1711	n	380.12	0.01	1248	1247	0	0	IRREGULAR	0	0	0	0	1	C6			0.00263
C60	J3022	J2864	N	673.3	0.01	1251	1250.99	0	0	IRREGULAR	0	0	0	0	1	C60			1.00E-05
C604	J21	J22	aerial	48.59	0.022	1276.35	1272.89	0.5	1	CIRCULAR	4	0	0	0	1				0.07139
C605	J1987	J1985	n	353.512	0.01	1335.71	1326.49	0	0	IRREGULAR	0	0	0	0	1	C605			0.02609
C606	J1410	J1403	reviewed	228.616	0.01	1268	1265.42	0	0	IRREGULAR	0	0	0	0	1	C606			0.01129
C607MAS	MASJ1803	J1806	N	521.86	0.01	1302.65	1292.34	0	0	IRREGULAR	0	0	0	0	1	C607			0.01976
C61	J2902	J123		847.11	0.01	1262.85	1257.07	0	0	IRREGULAR	0	0	0	0	1	new5			0.00682
C611	J1426	J2887	n	480.748	0.01	1280	1260.5	0	0	IRREGULAR	0	0	0	0	1	C611			0.0406

Conduits SWMM Inputs

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Elev. (ft)	Outlet Elev. (ft)	Entry Loss Coeff.	Exit Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3	Geom4	Barrels	Transect	Shape Curve	Culvert Code	Slope (ft/ft)
C613	J2080	J2078	n	92.168	0.01	1368.34	1360	0	0	IRREGULAR	0	0	0	0	1	C613			0.09086
C614	gr16	gr17	N	51.55	0.01	1293	1292	0	0	IRREGULAR	0	0	0	0	1	C614			0.0194
C615	J959	J1016	n	737.118	0.01	1317	1304	0	0	IRREGULAR	0	0	0	0	1	C615			0.01764
C619	J2718	J2882	n	313.488	0.01	1294	1285.22	0	0	IRREGULAR	0	0	0	0	1	C619			0.02802
C62	J133	J135		150.23	0.01	1296.7	1295.49	0	0	IRREGULAR	0	0	0	0	1	Transect1			0.00805
C62_1	J1467	J3025	n	1031.78	0.01	1257.67	1255	0	0	IRREGULAR	0	0	0	0	1	C62			0.00259
C62_2	J3025	J2869	n	566.42	0.01	1255	1254.85	0	0	IRREGULAR	0	0	0	0	1	C62			0.00026
C621	J2153	J2134	n	334.947	0.01	1388.01	1377.8	0	0	IRREGULAR	0	0	0	0	1	C621			0.0305
C622	J1394	J1385	n	490.358	0.01	1309.5	1301.75	0	0	IRREGULAR	0	0	0	0	1	C622			0.01581
C623	J1004	J990	n	133.176	0.01	1305.08	1303	0	0	IRREGULAR	0	0	0	0	1	C623			0.01562
C627	J1245	J2693	n	161.042	0.01	1323	1322.56	0	0	IRREGULAR	0	0	0	0	1	C627			0.00273
C63	J1	J2080	field_survey	54.43	0.012	1369.83	1368.34	0.5	1	HORIZ_ELLIPSE	3.167	5	0	0	3			30	0.02738
C630	J2176	J2878	n	374.89	0.01	1378.01	1368	0	0	IRREGULAR	0	0	0	0	1	C630			0.02671
C631	J1590	J1560	n	221.146	0.01	1279.36	1276	0	0	IRREGULAR	0	0	0	0	1	C631			0.0152
C632	J1388	J1410	reviewed	63.071	0.01	1269.92	1268	0	0	IRREGULAR	0	0	0	0	1	C632			0.03046
C638	J2807	F3	N	250.433	0.01	1348.13	1347	0	0	IRREGULAR	0	0	0	0	1	C638			0.00451
C639	J2131	J2753	N	199.266	0.01	1331.57	1321.05	0	0	IRREGULAR	0	0	0	0	1	C639			0.05287
C64	M4042417	M5042417		172.337	0.01	1279	1278	0	0	IRREGULAR	0	0	0	0	1	new1			0.0058
C640	J2737	J2030	n	254.62	0.01	1344	1337.57	0	0	IRREGULAR	0	0	0	0	1	C640			0.02526
C642	J1993	J1987	n	81.849	0.01	1337	1335.71	0	0	IRREGULAR	0	0	0	0	1	C642			0.01576
C648	J1390	J1394	n	64.281	0.01	1310	1309.5	0	0	IRREGULAR	0	0	0	0	1	C648			0.00778
C65	J1452	J1467	n	273.97	0.01	1258.71	1257.67	0	0	IRREGULAR	0	0	0	0	1	C65			0.0038
C650	J955	J986	n	457.871	0.01	1333	1325	0	0	IRREGULAR	0	0	0	0	1	C650			0.01747
C652	J1896	J1873	n	456.636	0.01	1288.03	1281.98	0	0	IRREGULAR	0	0	0	0	1	C652			0.01325
C653	J43	J882	n	490.28	0.01	1337	1328	0	0	IRREGULAR	0	0	0	0	1	C653			0.01836
C655	J910	J26	n	292.36	0.01	1304	1302.68	0	0	IRREGULAR	0	0	0	0	1	C655			0.00452
C656	J975	J2899	n	504.24	0.01	1298	1284.12	0	0	IRREGULAR	0	0	0	0	1	C656			0.02754
C658	J2020	J2694	N	158.076	0.01	1296.45	1294	0	0	IRREGULAR	0	0	0	0	1	C658			0.0155
C66	M3042417	M4042417		232.102	0.01	1281.36	1279	0	0	IRREGULAR	0	0	0	0	1	c66_b			0.01017
C663	J1894	J2835	n	121.601	0.01	1278.02	1276.09	0	0	IRREGULAR	0	0	0	0	1	C663			0.01587
C664	J2162	J2153	n	83.136	0.01	1389.06	1388.01	0	0	IRREGULAR	0	0	0	0	1	C664			0.01263
C665	J22	J2967	n	156.47	0.01	1272.89	1263.95	0	0	IRREGULAR	0	0	0	0	1	C665			0.05723
C666MAS	MASJ2149	MASJ2123	N	194.19	0.01	1353.63	1346	0	0	IRREGULAR	0	0	0	0	1	C666MAS			0.03932
C667	J2803	J2131	N	52.218	0.01	1338.49	1331.57	0	0	IRREGULAR	0	0	0	0	1	C667			0.1337
C67	J1435	J1452	n	165.26	0.01	1260	1258.71	0	0	IRREGULAR	0	0	0	0	1	C67			0.00781
C670	J1905	J1926	N	395.688	0.01	1316.02	1306.39	0	0	IRREGULAR	0	0	0	0	1	C670			0.02434
C675	gr18	gr19	N	184.26	0.01	1291	1289.2	0	0	IRREGULAR	0	0	0	0	1	C675			0.00977
C677	J1677	J2726	n	440.238	0.01	1263.64	1262.34	0	0	IRREGULAR	0	0	0	0	1	C677			0.00295
C679	J998	J1102	n	1079.686	0.01	1297	1285.61	0	0	IRREGULAR	0	0	0	0	1	C679			0.01055
C68	J2887	J1435	n	55.92	0.01	1260.5	1260	0	0	IRREGULAR	0	0	0	0	1	C68			0.00894
C680	J23	J1295	aerial	59.54	0.022	1291	1289.68	0.5	1	CIRCULAR	3	0	0	0	2				0.02218
C685	J2751	J25	aerial	47.8	0.022	1288.89	1288.34	0.5	1	CIRCULAR	1.5	0	0	0	1				0.01151
C686	J1465	J2723	n	1018.118	0.01	1292	1281	0	0	IRREGULAR	0	0	0	0	1	C686			0.0108
C687	J26	J2952	field_survey	57.46	0.022	1302.68	1302	0.5	1	CIRCULAR	1.25	0	0	0	6				0.01184
C688	J1793	J1780	n	415.104	0.01	1322	1312	0	0	IRREGULAR	0	0	0	0	1	C688			0.0241
C69	J2160	F1	aerial	53.34	0.022	1345	1342.94	0.5	1	CIRCULAR	1.5	0	0	0	1				0.03865
C69_1	J2966	M40042417		121.76	0.01	1286	1284	0	0	IRREGULAR	0	0	0	0	1	c69_1			0.01643
C69_2	M40042417	M2042417		225.53	0.01	1284	1282.17	0	0	IRREGULAR	0	0	0	0	1	c69_2			0.00811
C693	J1909	J1889	n	601.73	0.01	1304	1294	0	0	IRREGULAR	0	0	0	0	1	C693			0.01662
C696	J2227	J2214	N	204.168	0.01	1359.6	1355.51	0	0	IRREGULAR	0	0	0	0	1	C696			0.02004

Conduits SWMM Inputs

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Elev. (ft)	Outlet Elev. (ft)	Entry Loss Coeff.	Exit Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3	Geom4	Barrels	Transect	Shape Curve	Culvert Code	Slope (ft/ft)
C697	J1846	GR10	N	557.165	0.01	1299.39	1284.18	0	0	IRREGULAR	0	0	0	0	1	C697			0.02731
C7	J2960	J1697	n	95.44	0.01	1248.93	1248	0	0	IRREGULAR	0	0	0	0	1	C7			0.00974
C70	J1422	J2887	n	207.24	0.01	1261	1260.5	0	0	IRREGULAR	0	0	0	0	1	C70			0.00241
C701	J854	J2857	n	626.731	0.01	1312.48	1306.25	0	0	IRREGULAR	0	0	0	0	1	C701			0.00994
C705	J1707	J1729	N	788.8	0.01	1300	1289.76	0	0	IRREGULAR	0	0	0	0	1	C705			0.01298
C709	J1000	J1074	n	488.146	0.01	1293.77	1289.34	0	0	IRREGULAR	0	0	0	0	1	C709			0.00908
C71	J58	MAS88		417.88	0.01	1315.23	1295.33	0	0	IRREGULAR	0	0	0	0	1	c71_c			0.04768
C71_1	J1542	J33	N	110.96	0.01	1255	1254.82	0	0	IRREGULAR	0	0	0	0	1	C71			0.00162
C71_2	J33	J1662	N	891.18	0.01	1254.82	1252	0	0	IRREGULAR	0	0	0	0	1	C71			0.00316
C71_5	J1662	J3022	N	392.84	0.01	1252	1251	0	0	IRREGULAR	0	0	0	0	1	C71			0.00255
C712	J145	J1085	n	261.06	0.01	1312	1308	0	0	IRREGULAR	0	0	0	0	1	C47			0.01532
C713	J2183	J2176	n	211.203	0.01	1384.01	1378.01	0	0	IRREGULAR	0	0	0	0	1	C713			0.02842
C715	J2746	J1993	n	168.777	0.01	1342	1337	0	0	IRREGULAR	0	0	0	0	1	C715			0.02964
C716	J1398	J1388	reviewed	209.286	0.01	1275.32	1269.92	0	0	IRREGULAR	0	0	0	0	1	C716			0.02581
C719	J1713	J87	N	234.16	0.01	1295.46	1285	0	0	IRREGULAR	0	0	0	0	1	C719			0.04471
C72	J1301	J2990	n	644.13	0.01	1265.06	1264	0	0	IRREGULAR	0	0	0	0	1	C72			0.00165
C721	J2235	J2227	N	59.851	0.01	1361	1359.6	0	0	IRREGULAR	0	0	0	0	1	C721			0.0234
C722	J1770	J1704	n	1490.838	0.01	1309.03	1294.31	0	0	IRREGULAR	0	0	0	0	1	C722			0.00987
C723	J1362	J1426	n	276.541	0.01	1285.83	1280	0	0	IRREGULAR	0	0	0	0	1	C723			0.02109
C726	J2018	SMS1_Rev	reviewed	262.45	0.01	1331.54	1320.16	0	0	IRREGULAR	0	0	0	0	1	C726			0.0434
C728	J828	J810	n	214.263	0.01	1341	1339	0	0	IRREGULAR	0	0	0	0	1	C728			0.00933
C73	J2937	J1542	n	126.6	0.01	1255.1	1255	0	0	IRREGULAR	0	0	0	0	1	C73			0.00079
C733	J1844	J2846	n	443.685	0.01	1260.34	1242.25	0	0	IRREGULAR	0	0	0	0	1	C733			0.04081
C74	M15042417	M16042417		1781.165	0.01	1320.09	1296.11	0	0	IRREGULAR	0	0	0	0	1	new41			0.01346
C741	J1309	J1358	n	75.583	0.01	1313.62	1312	0	0	IRREGULAR	0	0	0	0	1	C741			0.02144
C746	J35	J837	aerial	44.78	0.022	1320	1317.19	0.5	1	CIRCULAR	3	0	0	0	1			4	0.06288
C75	J2707	J1301	n	317.562	0.01	1268.4	1265.06	0	0	IRREGULAR	0	0	0	0	1	C75			0.01052
C750	J38	J900	n	397.23	0.01	1310	1307.69	0	0	IRREGULAR	0	0	0	0	1	C750			0.00582
C754	J925	J950	n	302.641	0.01	1326.12	1318.25	0	0	IRREGULAR	0	0	0	0	1	C754			0.02601
C758	J1911	J1896	n	282.903	0.01	1303.16	1288.03	0	0	IRREGULAR	0	0	0	0	1	C758			0.05356
C76	J1344	J1406	n	548.49	0.01	1262.04	1261.99	0	0	IRREGULAR	0	0	0	0	1	C76			9.00E-05
C761	J1192	J1170	aerial	45.44	0.022	1309.89	1310	0.5	1	CIRCULAR	3	0	0	0	1				-0.00242
C765	J2696	J1905	N	263.665	0.01	1324	1316.02	0	0	IRREGULAR	0	0	0	0	1	C765			0.03028
C769	J2698	J1269	n	605.932	0.01	1287	1281.61	0	0	IRREGULAR	0	0	0	0	1	C769			0.0089
C77	J1350	J1344	n	100.15	0.01	1262.73	1262.04	0	0	IRREGULAR	0	0	0	0	1	C77			0.00689
C771	J810	J43	aerial	78.78	0.022	1339	1337	0.5	1	CIRCULAR	3	0	0	0	1			1	0.0254
C775MAS	MASJ2187	MASJ2149	N	135.11	0.01	1362.55	1353.63	0	0	IRREGULAR	0	0	0	0	1	C775MAS			0.06616
C776	J1170	J1234	n	877.59	0.01	1310	1293.84	0	0	IRREGULAR	0	0	0	0	1	C776			0.01842
C779	J1289	J2720	n	243.222	0.01	1311.02	1309	0	0	IRREGULAR	0	0	0	0	1	C779			0.00831
C78	GR1	J1	aerial	53.98	0.022	1373	1372	0.5	1	CIRCULAR	1.5	0	0	0	1				0.01853
C781	J2246	J2235	N	176.787	0.01	1365.01	1361	0	0	IRREGULAR	0	0	0	0	1	C781			0.02269
C784	J2024	J2823	n	326.5	0.01	1316.97	1310	0	0	IRREGULAR	0	0	0	0	1	C784			0.02135
C788	J1922	J1911	n	66.715	0.01	1310.23	1303.16	0	0	IRREGULAR	0	0	0	0	1	C788			0.10657
C79	MAS22	MAS101		579.88	0.01	1401.66	1376.26	0	0	IRREGULAR	0	0	0	0	1	c79_b			0.04384
C79_1	J1463	J31	n	143.95	0.01	1257.04	1256	0	0	IRREGULAR	0	0	0	0	1	C79			0.00722
C79_3	J31	J3023	n	476.93	0.01	1256	1255	0	0	IRREGULAR	0	0	0	0	1	C79			0.0021
C79_4	J3023	J2937	n	231.67	0.01	1255	1255.1	0	0	IRREGULAR	0	0	0	0	1	C79			-0.00043
C791	J805	J854	n	216.87	0.01	1314.3	1312.48	0	0	IRREGULAR	0	0	0	0	1	C791			0.00839
C793	J1083	J1112	n	251.599	0.01	1319.1	1313	0	0	IRREGULAR	0	0	0	0	1	C793			0.02425
C794	J1721	J2754	N	582.522	0.01	1307	1288	0	0	IRREGULAR	0	0	0	0	1	C794			0.03263

Conduits SWMM Inputs

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Elev. (ft)	Outlet Elev. (ft)	Entry Loss Coeff.	Exit Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3	Geom4	Barrels	Transect	Shape Curve	Culvert Code	Slope (ft/ft)
C797	J837	J2817	n	147.312	0.01	1317.19	1315	0	0	IRREGULAR	0	0	0	0	1	C797			0.01487
C798	J797	J828	n	154.452	0.01	1344.4	1341	0	0	IRREGULAR	0	0	0	0	1	C798			0.02202
C8	MAS152	MAS153	aerial	56.11	0.022	1369.68	1368	0	0	CIRCULAR	3	0	0	0	1				0.02995
C8_1	J1673	J3003	n	120.93	0.01	1251	1250	0	0	IRREGULAR	0	0	0	0	1	C8			0.00827
C8_2	J3003	J2960	n	104.27	0.01	1250	1248.93	0	0	IRREGULAR	0	0	0	0	1	C8			0.01026
C80	J1504	J1463	n	145.1	0.01	1259	1257.04	0	0	IRREGULAR	0	0	0	0	1	C80			0.01351
C800	J2197	J2183	n	213.114	0.01	1390.72	1384.01	0	0	IRREGULAR	0	0	0	0	1	C800			0.0315
C801	J867	J882	n	282.706	0.01	1332.15	1328	0	0	IRREGULAR	0	0	0	0	1	C801			0.01468
C803_1	J2736	J48	n	172.7	0.01	1326	1325	0	0	IRREGULAR	0	0	0	0	1	C803			0.00579
C803_2	J48	J1245	n	210.44	0.01	1325	1323	0	0	IRREGULAR	0	0	0	0	1	C803			0.0095
C804	gr19	gr20	aerial	35.14	0.022	1289.2	1288.3	0.5	1	CIRCULAR	3	0	0	0	2				0.02562
C805	gr20	gr21	N	122.71	0.01	1288.3	1287.4	0	0	IRREGULAR	0	0	0	0	1	C805			0.00733
C806MAS	MASJ916	MASJ2814	n	138.526	0.01	1324	1323	0	0	IRREGULAR	0	0	0	0	1	C806			0.00722
C81	J1279	J1283	n	206.647	0.01	1270	1269.54	0	0	IRREGULAR	0	0	0	0	1	C81			0.00223
C813_3	J988	J135	n	569.51	0.01	1302	1295.49	0	0	IRREGULAR	0	0	0	0	1	C813_3			0.01143
C814	J1786	J2714	n	169.126	0.01	1307.29	1305.3	0	0	IRREGULAR	0	0	0	0	1	C814			0.01177
C815	gr21	J1964	N	278.32	0.01	1287.4	1282.58	0	0	IRREGULAR	0	0	0	0	1	C815			0.01732
C816	J971	J998	n	346.577	0.01	1299	1297	0	0	IRREGULAR	0	0	0	0	1	C816			0.00577
C818	J2076	J2997	N	1056.63	0.01	1348.23	1315.66	0	0	IRREGULAR	0	0	0	0	1	C818			0.03084
C82	J2977	J1279	n	192.957	0.01	1271	1270	0	0	IRREGULAR	0	0	0	0	1	C82			0.00518
C820	J1045	J2718	n	495.455	0.01	1297.34	1294	0	0	IRREGULAR	0	0	0	0	1	C820			0.00674
C822	J1795	J1770	n	226.787	0.01	1313.53	1309.03	0	0	IRREGULAR	0	0	0	0	1	C822			0.01985
C823	J3020	J2071	field_survey	75.17	0.022	1338.8	1331.86	0.5	1	ARCH	7	0	0	0	3				0.09272
C825	J2272	J2807	N	253.622	0.01	1356.57	1348.13	0	0	IRREGULAR	0	0	0	0	1	C825			0.0333
C828	J2036	GR4	n	308.95	0.01	1350.88	1344	0	0	IRREGULAR	0	0	0	0	1	C828			0.02227
C83	J2732	J1504	n	233.32	0.01	1260	1259	0	0	IRREGULAR	0	0	0	0	1	C83			0.00429
C831	J1629	J1590	n	487.423	0.01	1291.52	1279.36	0	0	IRREGULAR	0	0	0	0	1	C831			0.02496
C836	J2058	J2803	N	111.116	0.01	1342.12	1338.49	0	0	IRREGULAR	0	0	0	0	1	C836			0.03269
C837	J1758	J1721	N	76.571	0.01	1309	1307	0	0	IRREGULAR	0	0	0	0	1	C837			0.02613
C84	J1271	J1291	n	122.15	0.01	1264	1263.5	0	0	IRREGULAR	0	0	0	0	1	C84			0.00409
C842	J2089	J99	n	229.572	0.01	1360.97	1359	0	0	IRREGULAR	0	0	0	0	1	C842			0.00858
C843	J994	J147	n	237.51	0.01	1319	1317	0	0	IRREGULAR	0	0	0	0	1	C843			0.00842
C845	J1601	J1619	n	84.106	0.01	1265.02	1264	0	0	IRREGULAR	0	0	0	0	1	C845			0.01213
C848	J1093	J85	n	303.815	0.01	1307.02	1305	0	0	IRREGULAR	0	0	0	0	1	C848			0.00665
C849	J877	J959	n	540.758	0.01	1334	1317	0	0	IRREGULAR	0	0	0	0	1	C849			0.03145
C850	J1679	J2797	n	150.544	0.01	1289	1288.78	0	0	IRREGULAR	0	0	0	0	1	C850			0.00146
C851	J2274	J2246	n	134.377	0.01	1368.07	1365.01	0	0	IRREGULAR	0	0	0	0	1	C851			0.02278
C852	J1133	J2796	n	117.417	0.01	1292.24	1291.64	0	0	IRREGULAR	0	0	0	0	1	C852			0.00511
C853	J1432	J2795	n	246.385	0.01	1297.62	1292.09	0	0	IRREGULAR	0	0	0	0	1	C853			0.02245
C854	J931	J925	n	205.48	0.01	1330.05	1326.12	0	0	IRREGULAR	0	0	0	0	1	C854			0.01913
C857	J1031	J2793	n	288.867	0.01	1308.59	1289.02	0	0	IRREGULAR	0	0	0	0	1	C857			0.0679
C85MAS	MASJ119	MASJ121	aerial	50.98	0.022	1323.8	1323.75	0.5	1	CIRCULAR	3	0	0	0	3				0.00098
C86	J97	J101		1021.36	0.01	1325	1318	0	0	IRREGULAR	0	0	0	0	1	C86			0.00685
C860	J2207	J2878	n	628.399	0.01	1383.02	1368	0	0	IRREGULAR	0	0	0	0	1	C860			0.02391
C861	J908	J149	n	496.09	0.01	1346.02	1335	0	0	IRREGULAR	0	0	0	0	1	C861			0.02222
C865	J1637	J1677	n	412.435	0.01	1265.33	1263.64	0	0	IRREGULAR	0	0	0	0	1	C865			0.0041
C866	J2103	J2096	n	210.155	0.01	1388	1379	0	0	IRREGULAR	0	0	0	0	1	C866			0.04286
C867	J1446	J1500	n	479.019	0.01	1269.08	1264	0	0	IRREGULAR	0	0	0	0	1	C867			0.01061
C869	J2016	J2746	n	339.769	0.01	1351.48	1342	0	0	IRREGULAR	0	0	0	0	1	C869			0.02791
C87	J2919	J2977	n	258.558	0.01	1272	1271	0	0	IRREGULAR	0	0	0	0	1	C87			0.00387

Conduits SWMM Inputs

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Elev. (ft)	Outlet Elev. (ft)	Entry Loss Coeff.	Exit Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3	Geom4	Barrels	Transect	Shape Curve	Culvert Code	Slope (ft/ft)
C873	J2999	J2949	n	393.762	0.01	1236	1235	0	0	IRREGULAR	0	0	0	0	1	C873			0.00254
C88	GR4	GR5	aerial	49.19	0.022	1345.5	1343.59	0.5	1	CIRCULAR	3	0	0	0	3				0.03886
C883	J1939	J2696	N	287.15	0.01	1337	1324	0	0	IRREGULAR	0	0	0	0	1	C883			0.04532
C886MAS	MASJ2703	MASJ2187	N	567.1	0.01	1371.47	1362.55	0	0	IRREGULAR	0	0	0	0	1	C886MAS			0.01573
C89	J1953	GR9	n	267.43	0	1324.37	1318.42	0	0	IRREGULAR	0	0	0	0	1	C89			0.02225
C890	J1974	J2779	N	72.426	0.01	1286.56	1284.45	0	0	IRREGULAR	0	0	0	0	1	C890			0.02915
C892	J2050	J2018	n	336.594	0.01	1347.04	1331.54	0	0	IRREGULAR	0	0	0	0	1	C892			0.0461
C893	J1745	J2778	n	213.1	0.01	1302	1298	0	0	IRREGULAR	0	0	0	0	1	C893			0.01877
C897	J2290	J2274	n	102.774	0.01	1372	1368.07	0	0	IRREGULAR	0	0	0	0	1	C897			0.03827
C898	J1947	J2774	n	783.801	0.01	1303.32	1286	0	0	IRREGULAR	0	0	0	0	1	C898			0.0221
C899	J779	J797	n	214.578	0.01	1354.04	1344.4	0	0	IRREGULAR	0	0	0	0	1	C899			0.04497
C9	J875	MASJ1161		654.78	0.01	1345.88	1324.35	0	0	IRREGULAR	0	0	0	0	1	c10_gr			0.0329
C9_1	J2915	J36	n	696.03	0.01	1255	1254	0	0	IRREGULAR	0	0	0	0	1	C9			0.00144
C9_2	J36	J1673	n	440.99	0.01	1254	1251	0	0	IRREGULAR	0	0	0	0	1	C9			0.0068
C90	J978	J2989	n	538.04	0.01	1300	1289.62	0	0	IRREGULAR	0	0	0	0	1	C90			0.0193
C903	J2087	GR1	n	704.714	0.01	1382.51	1373	0	0	IRREGULAR	0	0	0	0	1	C903			0.0135
C905	J2220	J2162	n	582.317	0.01	1398.17	1389.06	0	0	IRREGULAR	0	0	0	0	1	C905			0.01565
C907	J1831	J1894	n	166.071	0.01	1280.69	1278.02	0	0	IRREGULAR	0	0	0	0	1	C907			0.01608
C908_1	J1935	J17	n	341.28	0.01	1298	1295.55	0	0	IRREGULAR	0	0	0	0	1	C908			0.00718
C908_2	J17	J2774	n	593.46	0.01	1295.55	1286	0	0	IRREGULAR	0	0	0	0	1	C908			0.01609
C909	J1573	J1601	n	158.105	0.01	1267.16	1265.02	0	0	IRREGULAR	0	0	0	0	1	C909			0.01354
C91_1	J1430	J30	n	87.73	0.01	1262.29	1263	0	0	IRREGULAR	0	0	0	0	1	C91			-0.00809
C91_2	J30	J2732	n	632.04	0.01	1263	1260	0	0	IRREGULAR	0	0	0	0	1	C91			0.00475
C911	J2243	J2197	n	254.754	0.01	1399.78	1390.72	0	0	IRREGULAR	0	0	0	0	1	C911			0.03559
C914	J860	J2772	n	103.554	0.01	1304.08	1303.79	0	0	IRREGULAR	0	0	0	0	1	C914			0.0028
C92	J2790	J1271	n	776.78	0.01	1263	1264	0	0	IRREGULAR	0	0	0	0	1	C92			-0.00129
C920	J2205	J2223	N	364.281	0.01	1366.26	1357.62	0	0	IRREGULAR	0	0	0	0	1	C920			0.02372
C922	J2110	J2103	n	113.92	0.01	1392.42	1388	0	0	IRREGULAR	0	0	0	0	1	C922			0.03883
C929	J1369	J1398	reviewed	446.079	0.01	1282	1275.32	0	0	IRREGULAR	0	0	0	0	1	C929			0.01498
C93	J1016	J1053		646.92	0.01	1304	1298.81	0	0	IRREGULAR	0	0	0	0	1	C93			0.00802
C93_1	GR8	GR7	aerial	20.058	0.022	1314	1313.04	0.5	1	CIRCULAR	5	0	0	0	2				0.04792
C93_2	GR7	J3018	n	76.964	0	1313.04	1305	0	0	IRREGULAR	0	0	0	0	1	C93_2			0.10504
C93_3MAS_1	MASJ121	J75	n	326.87	0.01	1323.75	1321.5	0	0	IRREGULAR	0	0	0	0	1	C93_3MAS			0.00688
C93_3MAS_2	J75	MASJ1361	n	301.12	0.01	1321.5	1319	0	0	IRREGULAR	0	0	0	0	1	C93_3MAS			0.0083
C93_5MAS	MASJ1361	MASJ137	n	470.34	0.01	1319	1316.63	0	0	IRREGULAR	0	0	0	0	1	C93_5MAS			0.00504
C93_6MAS	MASJ137	MASJ122	n	188.67	0.01	1316.63	1316	0	0	IRREGULAR	0	0	0	0	1	C93_6MAS			0.00334
C933	J1100	J1133	n	187.002	0.01	1293	1292.24	0	0	IRREGULAR	0	0	0	0	1	C933			0.00406
C934	J1203	J2736	n	686.93	0.01	1340.72	1326	0	0	IRREGULAR	0	0	0	0	1	C934			0.02143
C939	J2218	J2207	n	179.787	0.01	1387.51	1383.02	0	0	IRREGULAR	0	0	0	0	1	C939			0.02498
C94	J2706	J1430	n	201.99	0.01	1262.3	1262.29	0	0	IRREGULAR	0	0	0	0	1	C94			5.00E-05
C941	J1182	J1157	n	153.717	0.01	1316.58	1316.01	0	0	IRREGULAR	0	0	0	0	1	C941			0.00371
C943	J2032	J2016	n	176.29	0.01	1355.07	1351.48	0	0	IRREGULAR	0	0	0	0	1	C943			0.02037
C944	J1043	J1083	n	376.99	0.01	1336.77	1319.1	0	0	IRREGULAR	0	0	0	0	1	C944			0.04692
C946	J2140	J2110	n	60.513	0.01	1395.37	1392.42	0	0	IRREGULAR	0	0	0	0	1	C946			0.04881
C948	J1037	J1045	n	308.06	0.01	1299.19	1297.34	0	0	IRREGULAR	0	0	0	0	1	Transect			0.00601
C949	J2252	J2220	n	101.742	0.01	1401.19	1398.17	0	0	IRREGULAR	0	0	0	0	1	C949			0.0297
C95	J2984	J2706	n	205.36	0.01	1262.52	1262.3	0	0	IRREGULAR	0	0	0	0	1	C95			0.00107
C950	J1966	J1941	n	423.869	0.01	1314.44	1299.5	0	0	IRREGULAR	0	0	0	0	1	C950			0.03527
C955	J1153	J2756	n	273.078	0.01	1289	1279	0	0	IRREGULAR	0	0	0	0	1	C955			0.03664
C957	J1850	J1871	N	568.938	0.01	1278.03	1262	0	0	IRREGULAR	0	0	0	0	1	C957			0.02819

Conduits SWMM Inputs

Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Elev. (ft)	Outlet Elev. (ft)	Entry Loss Coeff.	Exit Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3	Geom4	Barrels	Transect	Shape Curve	Culvert Code	Slope (ft/ft)
C96	J2886	J978	n	505.05	0.01	1303	1300	0	0	IRREGULAR	0	0	0	0	1	C96			0.00594
C961	J1681	J2754	N	173.34	0.01	1296.36	1288	0	0	IRREGULAR	0	0	0	0	1	C961			0.04829
C962	J2043	J2753	N	117.568	0.01	1333.14	1321.05	0	0	IRREGULAR	0	0	0	0	1	C962			0.10338
C963	J1227	J2698	n	409.819	0.01	1288.94	1287	0	0	IRREGULAR	0	0	0	0	1	C963			0.00473
C968	J1701	J2750	n	55.428	0.01	1288.18	1287.08	0	0	IRREGULAR	0	0	0	0	1	C968			0.01985
C97	J2965	J2790	n	280.92	0.01	1264.8	1263	0	0	IRREGULAR	0	0	0	0	1	C97			0.00641
C972	J873	J2748	n	150.935	0.01	1308.23	1306.54	0	0	IRREGULAR	0	0	0	0	1	C972			0.0112
C973	J1797	J1786	n	375.811	0.01	1314.63	1307.29	0	0	IRREGULAR	0	0	0	0	1	C973			0.01953
C975	J2699	J1647	n	969.259	0.01	1272	1260.3	0	0	IRREGULAR	0	0	0	0	1	C975			0.01207
C977	J2005	J2746	n	70.341	0.01	1344.07	1342	0	0	IRREGULAR	0	0	0	0	1	C977			0.02944
C98	J2954	J1185	n	495.015	0.01	1276.38	1275	0	0	IRREGULAR	0	0	0	0	1	C98			0.00279
C980_2MAS	MASJ1171	MASJ916	n	99.23	0.01	1325.98	1324	0	0	IRREGULAR	0	0	0	0	1	C980_2MAS			0.01996
C981_2	J59	J1793	n	168.602	0.01	1326.55	1322	0	0	IRREGULAR	0	0	0	0	1	C981_3			0.027
C981_3	J1817	J61	N	453.547	0.01	1343.53	1329	0	0	IRREGULAR	0	0	0	0	1	C981_3			0.03205
C981_4	J61	J59	aerial	69.419	0.022	1329	1326.55	0.5	1	CIRCULAR	2.5	0	0	0	1				0.03531
C99	M14042417	J1369		302.26	0.01	1283	1282	0	0	IRREGULAR	0	0	0	0	1	new3			0.00331
C991_2MAS	MASJ108	MASJ1803	N	349.4	0.01	1313.48	1302.65	0	0	IRREGULAR	0	0	0	0	1	C991_2MAS			0.03101
C991MAS	MASJ112	MASJ108	N	453.11	0.01	1330.39	1313.48	0	0	IRREGULAR	0	0	0	0	1	C991MAS			0.03735
C992	J1484	J2740	n	699.13	0.01	1283.08	1274.76	0	0	IRREGULAR	0	0	0	0	1	C992			0.0119
grof_100_11	J158	J159	GROF	50	0.01	1356.5	1353.7	0	0	IRREGULAR	0	0	0	0	1	grof_100_11			0.05609
grof_100_12	MAS42	MAS29	GROF	66.78	0.01	1350.5	1350	0	0	IRREGULAR	0	0	0	0	1	grof_100_12			0.00749
grof_100_3	J99	J2802	GROF	50	0.01	1363.5	1362.47	0	0	IRREGULAR	0	0	0	0	1	grof_100_3			0.0206
grof_100_5	MAS51	MAS54	GROF	50	0.01	1395.06	1391.46	0	0	IRREGULAR	0	0	0	0	1	grof_100_5			0.07219
grof_100_6	MAS180	MAS179	GROF	50	0.01	1368.5	1364.41	0	0	IRREGULAR	0	0	0	0	1	grof_100_6			0.08208
grof_100_7	J162	MAS39	GROF	50	0.01	1379.5	1375.43	0	0	IRREGULAR	0	0	0	0	1	grof_100_7			0.08167
grof_100_8	MAS177	MAS178	GROF	50	0.01	1375.5	1372.7	0	0	IRREGULAR	0	0	0	0	1	grof_100_8			0.05609
grof_100_9	MAS71	J161	GROF	50	0.01	1341.5	1339	0	0	IRREGULAR	0	0	0	0	1	grof_100_9			0.05006
GROF100	MAS2	MAS7	GROF	50	0.01	1337.5	1337	0	0	IRREGULAR	0	0	0	0	1	grof100			0.01
GROF101	MAS142	MAS24	GROF	50	0.01	1369.5	1366.02	0	0	IRREGULAR	0	0	0	0	1	grof101			0.06977
GROF103	MAS152	MAS153	GROF	50	0.01	1374.18	1372.5	0	0	IRREGULAR	0	0	0	0	1	GROF103			0.03362
GROF104	MAS124	MAS171	GROF	50	0.01	1358.5	1354.8	0	0	IRREGULAR	0	0	0	0	1	GROF104			0.0742
GROF105	J152	S_MAS2_Rev	GROF	130.93	0.01	1351.5	1347.5	0	0	IRREGULAR	0	0	0	0	1	GROF105			0.03056
GROF106	MAS134	MAS143	GROF	50	0.01	1374.21	1372.63	0	0	IRREGULAR	0	0	0	0	1	GROF106			0.03162
GROF107	MAS135	MAS136	GROF	50	0.01	1371.5	1371.18	0	0	IRREGULAR	0	0	0	0	1	GROF107			0.0064
GROF108	S_MAS1_Rev	S_MAS6_Rev	GROF	50	0.01	1331	1330.5	0	0	IRREGULAR	0	0	0	0	1	GROF108			0.01
GROF109	S_MAS7_Rev	MAS106	GROF	174.93	0.01	1318.5	1313.5	0	0	IRREGULAR	0	0	0	0	1	GROF109			0.02859
GROF11	J3006	J2967	GROF	55.85	0.015	1273.29	1272.79	0	0	IRREGULAR	0	0	0	0	1	grof11			0.00895
GROF110	S_MAS8_Rev	MAS77	GROF	77.23	0.01	1302.52	1298.14	0	0	IRREGULAR	0	0	0	0	1	grof110			0.05681
GROF112	MAS37	MAS133	GROF	50	0.01	1342.06	1341.56	0	0	IRREGULAR	0	0	0	0	1	GROF112			0.01
GROF113	MAS56	MAS112	GROF	50	0.01	1333.5	1332.26	0	0	IRREGULAR	0	0	0	0	1	GROF113			0.02481
GROF114	MAS145	MAS144	GROF	50	0.01	1322.5	1320.3	0	0	IRREGULAR	0	0	0	0	1	GROF114			0.04404
GROF12	J21	J22	GROF	50	0.015	1281.85	1278.39	0	0	IRREGULAR	0	0	0	0	1	grof12			0.06937
GROF13	J23	J1295	GROF	50	0.01	1295.5	1294.18	0	0	IRREGULAR	0	0	0	0	1	grof13			0.02641
GROF14	J1192	J1170	GROF	87.17	0.01	1314.39	1314.5	0	0	IRREGULAR	0	0	0	0	1	grof14			-0.00126
GROF15	J3004	J2915	GROF	163.3	0.01	1265.44	1266.5	0	0	IRREGULAR	0	0	0	0	1	grof15			-0.00649
GROF16	J19	J1719	GROF	50	0.01	1269.5	1269	0	0	IRREGULAR	0	0	0	0	1	grof16			0.01
GROF17	J9	J1649	GROF	50	0.01	1256.77	1256.18	0	0	IRREGULAR	0	0	0	0	1	grof17			0.0118
GROF200	S_MAS2_Rev	MAS46	GROF	126.98	0.01	1345.5	1343.35	0	0	IRREGULAR	0	0	0	0	1	GROF200			0.01693
GROF21	J2751	J25	GROF	50	0.01	1291.39	1290.84	0	0	IRREGULAR	0	0	0	0	1	grof21			0.011
GROF22	J26	J2952	GROF	50	0.01	1305.43	1304.75	0	0	IRREGULAR	0	0	0	0	1	grof22			0.0136

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Name	Inlet Node	Outlet Node	Tag	Length (ft)	Roughness	Inlet Elev. (ft)	Outlet Elev. (ft)	Entry Loss Coeff.	Exit Loss Coeff.	Cross-Section	Geom1 (ft)	Geom2 (ft)	Geom3	Geom4	Barrels	Transect	Shape Curve	Culvert Code	Slope (ft/ft)
GROF25	J116	J117	GROF	50	0.01	1262.5	1260.62	0	0	IRREGULAR	0	0	0	0	1	grof25			0.03763
GROF26	J12	J10	GROF	50	0.01	1287.5	1285.61	0	0	IRREGULAR	0	0	0	0	1	grof26			0.03783
GROF27	J16	J18	GROF	50	0.01	1268.5	1262.49	0	0	IRREGULAR	0	0	0	0	1	grof27			0.12108
GROF28	J139	J138	GROF	50	0.01	1274.29	1270.74	0	0	IRREGULAR	0	0	0	0	1	grof28			0.07118
GROF29	J2829	J1915	GROF	50	0.01	1303.5	1300.49	0	0	IRREGULAR	0	0	0	0	1	grof29			0.06031
GROF3	J3007	J2842	GROF	97.54	0.01	1301.7	1301.5	0	0	IRREGULAR	0	0	0	0	1	grof3			0.00205
GROF31	J14	J2053	GROF	50	0.01	1351.97	1351.47	0	0	IRREGULAR	0	0	0	0	1	grof31			0.01
GROF32	J3019	J1898	GROF	50	0.01	1306.97	1302.5	0	0	IRREGULAR	0	0	0	0	1	grof32			0.08976
GROF33	J1838	J1840	GROF	50	0.01	1282.5	1278.94	0	0	IRREGULAR	0	0	0	0	1	grof33			0.07138
GROF34	GR8	GR7	GROF	50	0.01	1316.5	1315.54	0	0	IRREGULAR	0	0	0	0	1	grof34			0.0192
GROF37	GR4	GR5	GROF	50	0.01	1346.5	1344.59	0	0	IRREGULAR	0	0	0	0	1	grof37			0.03823
GROF38	J1873	J1858	GROF	50	0.01	1289.48	1274.15	0	0	IRREGULAR	0	0	0	0	1	grof38			0.32211
GROF39	J2828	J2780	GROF	72.55	0.01	1249.5	1249	0	0	IRREGULAR	0	0	0	0	1	grof39			0.00689
GROF4	J37	J38	GROF	93.63	0.01	1316	1315	0	0	IRREGULAR	0	0	0	0	1	grof4			0.01068
GROF40	J1871	J1866	GROF	50	0.01	1268.5	1268	0	0	IRREGULAR	0	0	0	0	1	grof40			0.01
GROF42	J96	J1989	GROF	50	0.01	1302.5	1301.05	0	0	IRREGULAR	0	0	0	0	1	grof42			0.02901
GROF43	SMS1_Rev	J2705	grof	152.9	0.01	1325.66	1317.99	0	0	IRREGULAR	0	0	0	0	1	grof43			0.05023
GROF44	J3020	J2071	GROF	50	0.01	1347.3	1340.36	0	0	IRREGULAR	0	0	0	0	1	grof44			0.14016
GROF45	J2237	MASJ95	GROF	118.92	0.01	1386.61	1384.55	0	0	IRREGULAR	0	0	0	0	1	grof45			0.01733
GROF46	MASJ2191	MASJ2703	GROF	50	0.01	1386.66	1375.47	0	0	IRREGULAR	0	0	0	0	1	grof46			0.22962
GROF47	GR13	GR12	GROF	99.97	0.01	1284.5	1283.5	0	0	IRREGULAR	0	0	0	0	1	grof47			0.01
GROF48	J2997	J2996	GROF	50	0.01	1320.16	1317.29	0	0	IRREGULAR	0	0	0	0	1	grof48			0.05749
GROF49	J2160	F1	GROF	50	0.01	1345	1342.94	0	0	IRREGULAR	0	0	0	0	1	grof49			0.04124
GROF5	J835	J842	GROF	50	0.01	1319.5	1319.17	0	0	IRREGULAR	0	0	0	0	1	grof5			0.0066
GROF50	F3	F4	GROF	50	0.01	1350.5	1349.33	0	0	IRREGULAR	0	0	0	0	1	grof50			0.02341
GROF51	J2174	J2158	GROF	50	0.01	1349.5	1345.35	0	0	IRREGULAR	0	0	0	0	1	grof51			0.08329
GROF52	J3	J4	GROF	50	0.01	1385	1384.75	0	0	IRREGULAR	0	0	0	0	1	grof52			0.005
GROF53	J6	J8	GROF	40.73	0.01	1384.5	1384	0	0	IRREGULAR	0	0	0	0	1	grof53			0.01228
GROF54	f14	f15	GROF	50	0.01	1369	1368.77	0	0	IRREGULAR	0	0	0	0	1	grof54			0.0046
GROF55	f5	f6	GROF	50	0.01	1363.04	1361.82	0	0	IRREGULAR	0	0	0	0	1	grof55			0.02441
GROF56	f7	f8	GROF	50	0.01	1358.5	1357.94	0	0	IRREGULAR	0	0	0	0	1	grof56			0.0112
GROF58	gr14	gr15	GROF	50	0.01	1299.5	1297.87	0	0	IRREGULAR	0	0	0	0	1	grof58			0.03262
GROF59	J2891	gr16	GROF	50	0.01	1295.68	1293	0	0	IRREGULAR	0	0	0	0	1	grof59			0.05368
GROF6	J35	J837	GROF	50	0.01	1324.5	1324	0	0	IRREGULAR	0	0	0	0	1	grof6			0.01
GROF60	gr17	gr18	GROF	50	0.01	1294.5	1293.5	0	0	IRREGULAR	0	0	0	0	1	grof60			0.02
GROF61	gr19	gr20	GROF	50	0.01	1291.7	1290.8	0	0	IRREGULAR	0	0	0	0	1	grof61			0.018
GROF63	GR10	J2860	GROF	50	0.01	1290.68	1286.28	0	0	IRREGULAR	0	0	0	0	1	grof63			0.08834
GROF64	GR11	J1939	GROF	119.78	0.01	1343.5	1343	0	0	IRREGULAR	0	0	0	0	1	grof64			0.00417
GROF65	J1962	J1956	GROF	50	0.01	1351.5	1348.8	0	0	IRREGULAR	0	0	0	0	1	grof65			0.05408
GROF66	J87	J93	GROF	159.59	0.01	1290	1287.61	0	0	IRREGULAR	0	0	0	0	1	grof66			0.01498
GROF67	J1780	J65	GROF	50	0.01	1316.5	1313.89	0	0	IRREGULAR	0	0	0	0	1	grof67			0.05227
GROF68	J62	J63	GROF	50	0.01	1320.92	1319.1	0	0	IRREGULAR	0	0	0	0	1	grof68			0.03642
GROF69	J61	J59	GROF	50	0.01	1333	1330.55	0	0	IRREGULAR	0	0	0	0	1	grof69			0.04906
GROF70	J55	J57	GROF	50	0.01	1334.21	1331.41	0	0	IRREGULAR	0	0	0	0	1	grof70			0.05609
GROF75	J79	J2831	GROF	50	0.01	1296.5	1293.5	0	0	IRREGULAR	0	0	0	0	1	grof75			0.06011
GROF76	J77	J2917	GROF	114.25	0.01	1304.5	1304.8	0	0	IRREGULAR	0	0	0	0	1	grof76			-0.00263
GROF79	J1112	J141	GROF	50	0.01	1317.5	1316.24	0	0	IRREGULAR	0	0	0	0	1	grof79			0.02521
GROF80	J85	J2798	GROF	50	0.01	1309.25	1306.66	0	0	IRREGULAR	0	0	0	0	1	grof80			0.05187
GROF81	J147	J148	GROF	50	0.01	1321.5	1319.5	0	0	IRREGULAR	0	0	0	0	1	grof81			0.04003
GROF82	J143	J145	GROF	50	0.01	1318.5	1316.5	0	0	IRREGULAR	0	0	0	0	1	grof82			0.04003

Conduits SWMM Inputs

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GROF83	J78	J1060	GROF	50	0.01	1318.5	1316.1	0	0	IRREGULAR	0	0	0	0	1	grof83			0.04806
GROF84	J1027	J83	GROF	50	0.01	1325.5	1323.5	0	0	IRREGULAR	0	0	0	0	1	grof84			0.04003
GROF87	J110	J107	GROF	50	0.01	1335.5	1333.5	0	0	IRREGULAR	0	0	0	0	1	grof87			0.04003
GROF88	J149	J108	GROF	50	0.01	1339.5	1337.86	0	0	IRREGULAR	0	0	0	0	1	grof88			0.03282
GROF89	MASJ1119	MASJ1141	GROF	133.03	0.01	1318.92	1319.5	0	0	IRREGULAR	0	0	0	0	1	grof89			-0.00436
GROF90	MASJ119	MASJ121	GROF	50	0.01	1328.3	1328.25	0	0	IRREGULAR	0	0	0	0	1	grof90			0.001
GROF95	MASJ122	MASJ124	GROF	50	0.01	1318.5	1316.52	0	0	IRREGULAR	0	0	0	0	1	grof95			0.03963
GROF96	J810	J43	GROF	50	0.01	1343.5	1343	0	0	IRREGULAR	0	0	0	0	1	grof96			0.01
MASC13	MASJ110	MASJ1801	N	280.59	0.01	1341.27	1330.71	0	0	IRREGULAR	0	0	0	0	1	MASC13			0.03766
MASC14_1	MASJ1801	MASJ114	N	377.79	0.01	1330.71	1317.64	0	0	IRREGULAR	0	0	0	0	1	MASC14_1			0.03462
MASC14_3	MASJ114	MASJ116	N	416.04	0.01	1317.64	1300.61	0	0	IRREGULAR	0	0	0	0	1	MASC14_3			0.04097
MASC14_4	MASJ116	MASJ1848	N	532.97	0.01	1300.61	1287.83	0	0	IRREGULAR	0	0	0	0	1	MASC14_4			0.02399
MASC231_1	MASJ117	MASJ126	problem	127.05	0.01	1328.74	1327	0	0	IRREGULAR	0	0	0	0	1	MASC231_5			0.0137
MASC231_2	MASJ126	MASJ127	problem	207.73	0.01	1327	1326	0	0	IRREGULAR	0	0	0	0	1	MASC231_5			0.00481
MASC231_3	MASJ128	MASJ129	field_survey	31.45	0.012	1325.7	1325.54	0.5	1	RECT_CLOSED	1	3	0	0	1				0.00509
MASC231_4	MASJ127	MASJ128	problem	174.21	0.01	1326	1325.7	0	0	IRREGULAR	0	0	0	0	1	MASC231_5			0.00172
MASC231_5	MASJ129	MAS1359	n	111.81	0.01	1325.54	1325	0	0	IRREGULAR	0	0	0	0	1	MASC231_5			0.00483
MASC231_7	MAS1359	MASJ1161	problem	124.73	0.01	1325	1324.35	0	0	IRREGULAR	0	0	0	0	1	MASC231_5			0.00521
MASC311	MASJ1111	J1681	N	263.15	0.01	1302	1296.36	0	0	IRREGULAR	0	0	0	0	1	MASC311			0.02144
MASC440_2	MASJ140	J112	n	70.27	0.01	1250	1249.5	0	0	IRREGULAR	0	0	0	0	1	MASC440_2			0.00712
MASC440_3	J46	MASJ3041	n	300.08	0.01	1225.25	1223.5	0	0	IRREGULAR	0	0	0	0	1	new36			0.00583
MASC440_4	J112	J46	n	388.53	0.01	1233.8	1225.25	0	0	IRREGULAR	0	0	0	0	1	new35			0.02201
MASC93_1	MASJ2948	J45	n	437.53	0.01	1253	1247	0	0	IRREGULAR	0	0	0	0	1	new32			0.01371
MASC93_3	J45	J60	n	417.81	0.01	1247	1240.67	0	0	IRREGULAR	0	0	0	0	1	new31			0.01515
MASC93_4	J60	MASJ140	n	262.03	0.01	1240.67	1234	0	0	IRREGULAR	0	0	0	0	1	new34			0.02546
MASC931	J3018	J3019	n	193.95	0.01	1305	1305.47	0	0	IRREGULAR	0	0	0	0	1	MASC931			-0.00242
MASC932	J3019	J1898	aerial	63.14	0.022	1305.47	1301	0.5	1	CIRCULAR	5.5	0	0	0	3				0.07097
MAS78_Rev_Weir	MAS78_Rev	MAS78_DS		50	0.01	1352	1351.5	0	0	IRREGULAR	0	0	0	0	1	MAS78_Rev_Weir			0.01
GROF77	J72	J73	GROF	62.54	0.01	1311.5	1311	0	0	IRREGULAR	0	0	0	0	1	grof77			0.008
C_MAS1	MAS92	MAS127	n	348.01	0.01	1274	1268	0	0	IRREGULAR	0	0	0	0	1	C_MAS1			0.01724
C_MAS82	MAS96	MAS93	n	541.83	0.01	1301.18	1282.88	0	0	IRREGULAR	0	0	0	0	1	C_MAS82			0.03379
C_MAS95_1	MAS97	1	n	75.098	0.01	1314.56	1311.59	0	0	IRREGULAR	0	0	0	0	1	C_MAS95			0.03958
C_MAS95_3	1	3	n	149.576	0.01	1311.59	1305.67	0	0	IRREGULAR	0	0	0	0	1	C_MAS95			0.03961
C_MAS95_4	3	MAS96	n	113.466	0.01	1305.67	1301.18	0	0	IRREGULAR	0	0	0	0	1	C_MAS95			0.0396
C_7	GR1	J2080		50	0.01	1374	1373.5	0	0	IRREGULAR	0	0	0	0	1	C_7			0.01
C_8	J1	J2080		50	0.01	1374	1373.5	0	0	IRREGULAR	0	0	0	0	1	C_7			0.01
C661	J1500	J3004	n	815.125	0.01	1264	1253.94	0	0	IRREGULAR	0	0	0	0	1	C661			0.01234
C_MAS55	MAS153	MAS124	n	457.7	0.01	1368	1354	0	0	IRREGULAR	0	0	0	0	1	C_MAS137			0.0306
C11	J1454	J3004	n	1112.01	0.01	1260.93	1253.94	0	0	IRREGULAR	0	0	0	0	1	C11			0.00629
C1116	J1763	J3001	n	405.234	0.01	1237.5	1236.25	0	0	IRREGULAR	0	0	0	0	1	C1116			0.00308
C_108	J3001	J2999	n	1083.49	0.01	1236.25	1236	0	0	IRREGULAR	0	0	0	0	1	C_108			0.00023
C_MAS131	MAS11	MAS166	n	144.26	0.01	1396.1	1389.73	0	0	IRREGULAR	0	0	0	0	1	C_MAS131			0.0442
C1010	J1428	J2732	n	696.24	0.01	1284.09	1260	0	0	IRREGULAR	0	0	0	0	1	C1010			0.03462
C210	J953	J81	n	330.664	0.01	1320.02	1318	0	0	IRREGULAR	0	0	0	0	1	C210			0.00611

Outfalls SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Invert Elev. (ft)	Rim Elev. (ft)	Type
J2027	2077035.389	13814364.29	WDT	1351.98	0	NORMAL
J2069	2077551.389	13813587.29	WDT	1366.03	0	NORMAL
J2107	2076291.389	13813302.29	WDT	1358.09	0	NORMAL
J2877	2076882.389	13814625.29	WDT	1347.64	0	NORMAL
J2944	2075367.389	13813818.29	WDT	1350	0	NORMAL
J51	2076575.958	13816850.83		1307.5	0	NORMAL
J52	2076495.896	13816274.66		1314.55	0	NORMAL
J53	2076260.204	13816057.65		1322	0	NORMAL
J54	2076312.742	13815413.41		1317.44	0	NORMAL
J56	2076577.187	13814918.37		1333.47	0	NORMAL
J86	2089030.935	13810666.89		1279	0	NORMAL
J86_1	2089002.96	13810586.27		1279	0	NORMAL
M33042417	2089978.472	13817111.3		1219	0	NORMAL
MAS117	2086617.389	13806897.31	WDT	1274.03	0	NORMAL
MAS127	2085849.389	13806969.31	WDT	1268	0	NORMAL
MAS127_1	2085829.959	13806964.84		1268	0	NORMAL
MAS130	2079123.389	13806297.31	WDT	1278	0	NORMAL
MAS80	2076270.389	13808307.31	WDT	1327.56	0	NORMAL
2	2085906.975	13806585.81		0	1268	FREE

Storages SWMM Inputs

Name	X-Coordinate	Y-Coordinate	Tag	Invert Elev. (ft)	Rim Elev. (ft)	Depth (ft)	Storage Curve	Curve Name
J2832	2081658.683	13816883.02	WDT	1244	1310	66	TABULAR	J2832
J82	2085113.291	13820942.87		1280	1287	7	TABULAR	J82
MAS149_Rev	2085344.446	13809698.14		1336	1362	26	TABULAR	Curve20
MAS78_Rev	2082873.389	13808427.33	WDT	1349	1397	48	TABULAR	Curve14
MASJ1365	2078058.054	13826336.22		1312	1389	77	TABULAR	MASJ1365
S_MAS1_Rev	2082810.012	13809322.53		1326	1338	12	TABULAR	Curve16
S_MAS2_Rev	2082439.596	13810139.91	WDT	1343	1354	11	TABULAR	Curve15
S_MAS5_Rev	2076278.533	13810058.25		1364.84	1393.84	29	TABULAR	Curve13
S_MAS6_Rev	2082954.389	13809180.19	WDT	1321	1361	40	TABULAR	Curve17
S_MAS7_Rev	2083544.954	13808880.9	WDT	1316	1356	40	TABULAR	Curve18
S_MAS8_Rev	2084806.647	13808530.07	WDT	1297.52	1319.52	22	TABULAR	Curve19
SMS1_Rev	2081314.485	13814006.13	WDT	1320.16	1355.16	35	TABULAR	Curve9
J127	2084805.432	13821141.5		1280	1287	7	TABULAR	J127
J124	2084824.147	13821086.07		1278	1287	9	TABULAR	J124
J80	2085517.573	13821256.49		1279	1287	8	TABULAR	J80

Weirs SWMM Inputs

Name	Inlet Node	Outlet Node	Tag	Type	Height (ft)	Length (ft)	Side Slope (ft/ft)	Inlet Elev. (ft)	Discharge Coeff. (CFS)	Can Surcharge	Road Surface
1	J2797	J2924		TRANSVERSE	3	245	0	1290	3.33	YES	PAVED
2	J1643	J1593		TRANSVERSE	3	176	0	1289	3.33	YES	PAVED
C225_3	J82	J2907	n	TRANSVERSE	3	238	100	1286	3.33	YES	PAVED
C669	S_MAS5_Rev	MAS118	WDT	TRANSVERSE	3	1	0	1371.84	3.33	YES	PAVED
MASW12	MASJ126	MASJ135		TRANSVERSE	3	270	0	1328.5	3.33	YES	PAVED
MASW13	MASJ127	MASJ1351		TRANSVERSE	3	154	0	1327.5	3.33	YES	PAVED
MASW14	MASJ128	MASJ1352		TRANSVERSE	3	191	0	1327.2	3.33	YES	PAVED
MASW15	MAS1359	MASJ136		TRANSVERSE	3	111	0	1326.5	3.33	YES	PAVED
MASW16	MASJ1161	MASJ1171		TRANSVERSE	3	170	0	1325.98	3.33	YES	PAVED
MASW17	MASJ133	MASJ1362		TRANSVERSE	3	213	0	1325.5	3.33	YES	PAVED
W1	MAS124	MAS175		TRAPEZOIDAL	3	25	10	1355	3.33	YES	PAVED
W2	MAS149_Rev	MAS183		TRANSVERSE	3	14	0	1341	3.33	YES	PAVED
W3	MASJ1801	MASJ112		TRANSVERSE	3	20	0	1331.043	3.33	YES	PAVED
GROF19	J127	J124	GROF	TRANSVERSE	3	100	85	1282.1	3.33	YES	PAVED
GROF18	J124	J82	GROF	TRANSVERSE	3	330	130	1282.1	3.33	YES	PAVED
C584_2	J80	J82	n	TRANSVERSE	3	240	185	1283	3.33	YES	PAVED
7	J1625	J1593		TRANSVERSE	3	319	0	1288	3.33	YES	PAVED
8	J1615	J1586		TRANSVERSE	3	163	0	1287.39	3.33	YES	PAVED
9	J2978	J1763		TRANSVERSE	3	350	0	1257	3.33	YES	PAVED
10	J32	J1617		TRANSVERSE	3	339	0	1271	3.33	YES	PAVED

SWMM Outputs

Subcatchment Outputs

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT6-124	4	0	0	3.7	0.3	0.06	6.24	0.075	0	0	0	0	0	0	0	0
PO-763_1	4	0	0	3.76	0.24	2.22	104.23	0.06	0	0	0	0	0	0	0	0
UT-2861	4	0	0	3.46	0.54	1.88	75.73	0.134	0	0	0	0	0	0	0	0
CC-MASJ1365_1	4	0	0	2.64	1.36	0.06	5.44	0.341	0	0	0	0	0	0	0	0
UT-805_1	4	0	0	3.05	0.95	0.14	6.67	0.238	0	0	0	0	0	0	0	0
CC-J779_1	4	0	0	2.85	1.15	0.48	25.3	0.286	0	0	0	0	0	0	0	0
PO-725	4	0	0	2.73	1.27	0.2	21.65	0.319	0	0	0	0	0	0	0	0
CC-J801	4	0	0	2.78	1.22	0.21	16.78	0.304	0	0	0	0	0	0	0	0
CC-J867_1	4	0	0	2.63	1.37	0.19	13.48	0.342	0	0	0	0	0	0	0	0
PO-839	4	0	0	2.9	1.1	0.36	24.45	0.275	0	0	0	0	0	0	0	0
UT-844_1	4	0	0	2.9	1.1	0.08	5.67	0.275	0	0	0	0	0	0	0	0
PO-763_2	4	0	0	2.74	1.26	0.25	15.63	0.314	0	0	0	0	0	0	0	0
CC-J867_2	4	0	0	2.77	1.23	0.16	14.35	0.306	0	0	0	0	0	0	0	0
UT-2820_1	4	0	0	3.01	0.99	0.13	6.3	0.246	0	0	0	0	0	0	0	0
UT-844_2	4	0	0	2.99	1.01	0.11	6.13	0.253	0	0	0	0	0	0	0	0
PO-835	4	0	0	2.6	1.4	0.29	23.81	0.35	0	0	0	0	0	0	0	0
PO-837	4	0	0	2.37	1.62	0.12	10.62	0.406	0	0	0	0	0	0	0	0
UT-805_2	4	0	0	3.05	0.95	0.09	3.96	0.237	0	0	0	0	0	0	0	0
CC-J779_2	4	0	0	2.49	1.5	0.22	16.35	0.376	0	0	0	0	0	0	0	0
UT-844_3	4	0	0	2.89	1.11	0.21	14.78	0.278	0	0	0	0	0	0	0	0
PO-44_1	4	0	0	2.78	1.22	0.09	8.76	0.305	0	0	0	0	0	0	0	0
UT-816_1	4	0	0	3.02	0.98	0.15	10.02	0.246	0	0	0	0	0	0	0	0
CC-J908_1	4	0	0	2.6	1.4	0.49	23.17	0.349	0	0	0	0	0	0	0	0
PO-830_1	4	0	0	2.37	1.62	0.15	11.82	0.405	0	0	0	0	0	0	0	0
PO-830_2	4	0	0	2.69	1.31	0.26	19.26	0.326	0	0	0	0	0	0	0	0
PO-856	4	0	0	2.74	1.26	0.27	14.03	0.315	0	0	0	0	0	0	0	0
UT-988_1	4	0	0	3.82	0.18	0.26	20.53	0.046	0	0	0	0	0	0	0	0
UT-877	4	0	0	3.45	0.55	0.25	20.25	0.137	0	0	0	0	0	0	0	0
UT-860	4	0	0	3.62	0.38	0.08	6.87	0.096	0	0	0	0	0	0	0	0
PO-44_2	4	0	0	2.68	1.31	0.15	10.7	0.328	0	0	0	0	0	0	0	0
UT-832	4	0	0	3.24	0.76	0.09	7.91	0.191	0	0	0	0	0	0	0	0
CC-J75	4	0	0	2.6	1.39	0.04	3.3	0.349	0	0	0	0	0	0	0	0
CC-MASJ888	4	0	0	2.6	1.4	0.07	5.24	0.349	0	0	0	0	0	0	0	0
CC-J69	4	0	0	2.79	1.21	0.19	9.59	0.302	0	0	0	0	0	0	0	0
PO-35_1	4	0	0	2.8	1.2	0.09	7.63	0.301	0	0	0	0	0	0	0	0
CC-J81	4	0	0	3.4	0.6	0.22	15.24	0.15	0	0	0	0	0	0	0	0
CC-MASJ122	4	0	0	3.38	0.61	0.11	7.79	0.154	0	0	0	0	0	0	0	0
CC-J935	4	0	0	3.63	0.36	1.42	65.67	0.091	0	0	0	0	0	0	0	0
CC-J1012	4	0	0	3.3	0.7	0.11	9.58	0.176	0	0	0	0	0	0	0	0
CC-J875_1	4	0	0	2.77	1.23	0.12	9.97	0.307	0	0	0	0	0	0	0	0
UT-2820_2	4	0	0	2.88	1.12	0.1	6	0.28	0	0	0	0	0	0	0	0
PO-37	4	0	0	2.39	1.6	0.35	25.77	0.4	0	0	0	0	0	0	0	0
CC-J879_1	4	0	0	2.81	1.19	0.21	14.48	0.296	0	0	0	0	0	0	0	0
CC-J882	4	0	0	2.58	1.41	0.17	11.28	0.353	0	0	0	0	0	0	0	0
CC-J875_2	4	0	0	2.69	1.31	0.07	6.28	0.328	0	0	0	0	0	0	0	0
UT-848	4	0	0	2.98	1.02	0.17	13.1	0.256	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-873	4	0	0	3.94	0.06	0.02	3.86	0.014	0	0	0	0	0	0	0	0
PO-35_2	4	0	0	2.73	1.27	0.27	16.8	0.317	0	0	0	0	0	0	0	0
UT-16042417_1	4	0	0	3.65	0.35	0.1	6.24	0.087	0	0	0	0	0	0	0	0
PO-3007	4	0	0	2.75	1.25	0.1	9.94	0.312	0	0	0	0	0	0	0	0
CC-MASJ130	4	0	0	2.5	1.49	0.17	10.91	0.373	0	0	0	0	0	0	0	0
UT-2857_1	4	0	0	2.86	1.14	0.14	10.68	0.284	0	0	0	0	0	0	0	0
CC-J879_2	4	0	0	2.63	1.36	0.11	8.78	0.341	0	0	0	0	0	0	0	0
CC-J879_3	4	0	0	2.62	1.38	0.21	15.25	0.345	0	0	0	0	0	0	0	0
CC-J879_4	4	0	0	2.82	1.18	0.12	10.41	0.296	0	0	0	0	0	0	0	0
UT-15042417	4	0	0	2.69	1.31	0.09	7.32	0.328	0	0	0	0	0	0	0	0
UT-2857_2	4	0	0	2.62	1.38	0.26	13.12	0.344	0	0	0	0	0	0	0	0
UT-2748	4	0	0	3.61	0.39	0.01	2.04	0.098	0	0	0	0	0	0	0	0
PO-870	4	0	0	2.85	1.15	0.21	15.85	0.287	0	0	0	0	0	0	0	0
UT-921_1	4	0	0	2.84	1.15	0.19	11.76	0.287	0	0	0	0	0	0	0	0
PO-3044	4	0	0	2.63	1.37	0.11	9.44	0.341	0	0	0	0	0	0	0	0
CC-MASJ133	4	0	0	2.41	1.59	0.05	3.87	0.397	0	0	0	0	0	0	0	0
PO-925_1	4	0	0	2.64	1.35	0.13	11.46	0.339	0	0	0	0	0	0	0	0
CC-MASJ135	4	0	0	2.58	1.41	0.06	5.29	0.354	0	0	0	0	0	0	0	0
CC-MASJ126	4	0	0	2.63	1.36	0.09	7.1	0.341	0	0	0	0	0	0	0	0
CC-MASJ129	4	0	0	2.68	1.31	0.09	6.87	0.329	0	0	0	0	0	0	0	0
PO-900	4	0	0	2.35	1.64	0.2	11.61	0.411	0	0	0	0	0	0	0	0
CC-MASJ117	4	0	0	2.35	1.64	0.09	5.87	0.411	0	0	0	0	0	0	0	0
CC-J40	4	0	0	2.34	1.65	0.07	5.04	0.413	0	0	0	0	0	0	0	0
UT-137	4	0	0	2.69	1.31	0.2	11.51	0.327	0	0	0	0	0	0	0	0
UT-896	4	0	0	2.64	1.35	0.13	7.51	0.338	0	0	0	0	0	0	0	0
UT-910	4	0	0	3.3	0.69	0.15	10.14	0.174	0	0	0	0	0	0	0	0
PO-925_2	4	0	0	2.46	1.53	0.1	7.79	0.383	0	0	0	0	0	0	0	0
PO-2886_1	4	0	0	2.71	1.29	0.1	10.96	0.323	0	0	0	0	0	0	0	0
PO-2842	4	0	0	3.54	0.46	0.05	5.51	0.115	0	0	0	0	0	0	0	0
UT-971_1	4	0	0	2.79	1.21	0.2	10.33	0.302	0	0	0	0	0	0	0	0
UT-927	4	0	0	2.87	1.12	0.15	8.69	0.281	0	0	0	0	0	0	0	0
PO-946	4	0	0	3.41	0.59	0.12	11.89	0.147	0	0	0	0	0	0	0	0
UT-2724	4	0	0	2.79	1.21	0.26	18.14	0.303	0	0	0	0	0	0	0	0
PO-964_1	4	0	0	2.26	1.74	0.22	16.61	0.434	0	0	0	0	0	0	0	0
UT-968_1	4	0	0	2.88	1.12	0.19	12.68	0.28	0	0	0	0	0	0	0	0
UT-996	4	0	0	2.92	1.07	0.25	13.62	0.269	0	0	0	0	0	0	0	0
UT-971_2	4	0	0	2.92	1.08	0.14	7.22	0.27	0	0	0	0	0	0	0	0
PO-931	4	0	0	2.51	1.49	0.12	9.23	0.372	0	0	0	0	0	0	0	0
PO-950_1	4	0	0	2.76	1.24	0.13	12.64	0.31	0	0	0	0	0	0	0	0
UT-937	4	0	0	2.78	1.22	0.17	8.64	0.305	0	0	0	0	0	0	0	0
UT-921_2	4	0	0	2.84	1.16	0.11	8.54	0.289	0	0	0	0	0	0	0	0
UT-980	4	0	0	2.96	1.04	0.16	9.18	0.259	0	0	0	0	0	0	0	0
PO-975_1	4	0	0	3.53	0.47	0.15	10.55	0.117	0	0	0	0	0	0	0	0
CC-J955	4	0	0	2.85	1.15	0.16	11.02	0.287	0	0	0	0	0	0	0	0
UT-1023_1	4	0	0	2.51	1.49	0.22	12.17	0.371	0	0	0	0	0	0	0	0
UT-968_2	4	0	0	2.83	1.17	0.09	6.83	0.293	0	0	0	0	0	0	0	0
CC-J879_5	4	0	0	2.5	1.49	0.2	12.48	0.373	0	0	0	0	0	0	0	0
PO-950_2	4	0	0	2.78	1.22	0.18	16.32	0.306	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-1023_2	4	0	0	2.72	1.28	0.2	10.81	0.319	0	0	0	0	0	0	0	0
CC-J908_2	4	0	0	2.4	1.59	0.22	14.87	0.398	0	0	0	0	0	0	0	0
UT-40042417	4	0	0	3.1	0.89	1.02	39.88	0.224	0	0	0	0	0	0	0	0
UT-973_1	4	0	0	2.92	1.08	0.14	9.09	0.269	0	0	0	0	0	0	0	0
UT-973_2	4	0	0	2.92	1.08	0.1	6.4	0.269	0	0	0	0	0	0	0	0
PO-2886_2	4	0	0	2.7	1.3	0.29	23.44	0.324	0	0	0	0	0	0	0	0
PO-964_2	4	0	0	2.62	1.38	0.28	21.73	0.345	0	0	0	0	0	0	0	0
UT-959	4	0	0	2.96	1.04	0.2	11.68	0.26	0	0	0	0	0	0	0	0
UT-1023_3	4	0	0	2.85	1.15	0.22	14.39	0.289	0	0	0	0	0	0	0	0
PO-2989_1	4	0	0	3.66	0.34	0.05	9.56	0.084	0	0	0	0	0	0	0	0
CC-MASJ1021_1	4	0	0	2.79	1.21	0.08	6.07	0.304	0	0	0	0	0	0	0	0
PO-964_3	4	0	0	2.54	1.46	0.22	14.22	0.364	0	0	0	0	0	0	0	0
UT-2739	4	0	0	2.96	1.04	0.21	12.06	0.259	0	0	0	0	0	0	0	0
CC-J101	4	0	0	2.35	1.65	0.14	8.32	0.412	0	0	0	0	0	0	0	0
CC-J1043_1	4	0	0	2.83	1.17	0.44	27.54	0.292	0	0	0	0	0	0	0	0
CC-J110	4	0	0	2.72	1.28	0.09	8.55	0.319	0	0	0	0	0	0	0	0
UT-1004	4	0	0	2.87	1.13	0.27	20.47	0.284	0	0	0	0	0	0	0	0
PO-978	4	0	0	2.74	1.26	0.11	11.18	0.316	0	0	0	0	0	0	0	0
UT-1069	4	0	0	2.87	1.13	0.15	6.78	0.283	0	0	0	0	0	0	0	0
CC-J986	4	0	0	2.68	1.31	0.17	12.88	0.329	0	0	0	0	0	0	0	0
UT-1045_1	4	0	0	2.84	1.16	0.11	9.13	0.29	0	0	0	0	0	0	0	0
CC-MASJ1141	4	0	0	2.6	1.39	0.36	20.97	0.349	0	0	0	0	0	0	0	0
CC-MASJ1021_2	4	0	0	2.62	1.37	0.22	11.27	0.343	0	0	0	0	0	0	0	0
UT-988_2	4	0	0	2.79	1.21	0.11	10.25	0.304	0	0	0	0	0	0	0	0
CC-CibIntoCity	4	0	0	3.49	0.51	0.07	8.87	0.127	0	0	0	0	0	0	0	0
PO-1049_1	4	0	0	2.77	1.23	0.16	11.35	0.306	0	0	0	0	0	0	0	0
PO-975_2	4	0	0	3.94	0.06	0	0.86	0.015	0	0	0	0	0	0	0	0
CC-J1027_1	4	0	0	2.6	1.4	0.21	12.49	0.349	0	0	0	0	0	0	0	0
UT-1053_1	4	0	0	2.41	1.59	0.08	4.68	0.396	0	0	0	0	0	0	0	0
UT-2882_1	4	0	0	2.87	1.13	0.09	6.89	0.284	0	0	0	0	0	0	0	0
UT-1042417	4	0	0	2.95	1.05	0.31	17.2	0.264	0	0	0	0	0	0	0	0
CC-J1043_2	4	0	0	2.83	1.17	0.17	13.75	0.293	0	0	0	0	0	0	0	0
PO-2899_1	4	0	0	3.94	0.06	0	0.99	0.014	0	0	0	0	0	0	0	0
UT-2982_1	4	0	0	2.76	1.24	0.14	14	0.31	0	0	0	0	0	0	0	0
CC-J2913_1	4	0	0	3.55	0.45	0.06	9.67	0.112	0	0	0	0	0	0	0	0
UT-2751_1	4	0	0	2.77	1.23	0.15	8.39	0.308	0	0	0	0	0	0	0	0
PO-2989_2	4	0	0	2.72	1.28	0.06	6.72	0.32	0	0	0	0	0	0	0	0
UT-1053_2	4	0	0	2.68	1.32	0.15	9.7	0.329	0	0	0	0	0	0	0	0
PO-2793	4	0	0	3.68	0.32	0.04	7.97	0.079	0	0	0	0	0	0	0	0
CC-J994	4	0	0	2.47	1.53	0.26	13.73	0.381	0	0	0	0	0	0	0	0
CC-J1027_2	4	0	0	2.61	1.38	0.3	19.96	0.346	0	0	0	0	0	0	0	0
PO-975_3	4	0	0	3.63	0.37	0.03	4.86	0.091	0	0	0	0	0	0	0	0
UT-1047	4	0	0	2.77	1.23	0.1	9.4	0.307	0	0	0	0	0	0	0	0
UT-1037	4	0	0	3.43	0.57	0.28	14.46	0.142	0	0	0	0	0	0	0	0
UT-2812	4	0	0	2.89	1.11	0.07	4.16	0.278	0	0	0	0	0	0	0	0
UT-1033	4	0	0	2.79	1.21	0.22	13.35	0.303	0	0	0	0	0	0	0	0
UT-2966_1	4	0	0	3.06	0.94	0.11	5.21	0.236	0	0	0	0	0	0	0	0
PO-2899_2	4	0	0	3.66	0.34	0.03	3.66	0.085	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
PO-1049_2	4	0	0	2.42	1.57	0.32	22.75	0.393	0	0	0	0	0	0	0	0
CC-J2913_2	4	0	0	2.79	1.21	0.12	12.12	0.302	0	0	0	0	0	0	0	0
UT-16042417_2	4	0	0	2.66	1.34	0.11	8.54	0.335	0	0	0	0	0	0	0	0
CC-J143	4	0	0	2.47	1.52	0.22	13.3	0.38	0	0	0	0	0	0	0	0
PO-1031	4	0	0	2.56	1.43	0.18	15.71	0.358	0	0	0	0	0	0	0	0
CC-J1085	4	0	0	2.87	1.13	0.14	9.73	0.283	0	0	0	0	0	0	0	0
PO-1049_3	4	0	0	2.45	1.55	0.14	13.28	0.387	0	0	0	0	0	0	0	0
UT-1000	4	0	0	2.88	1.12	0.13	9.73	0.28	0	0	0	0	0	0	0	0
CC-J1093	4	0	0	2.7	1.3	0.25	16	0.324	0	0	0	0	0	0	0	0
UT-2982_2	4	0	0	2.76	1.24	0.07	6.38	0.311	0	0	0	0	0	0	0	0
UT-1102_1	4	0	0	2.87	1.13	0.15	11.16	0.282	0	0	0	0	0	0	0	0
PO-1110_1	4	0	0	3.48	0.52	0.07	8.95	0.13	0	0	0	0	0	0	0	0
CC-J85	4	0	0	2.62	1.38	0.26	22.68	0.344	0	0	0	0	0	0	0	0
CC-J1043_3	4	0	0	2.78	1.22	0.14	12.92	0.306	0	0	0	0	0	0	0	0
CC-J1083	4	0	0	2.59	1.41	0.22	16.33	0.351	0	0	0	0	0	0	0	0
UT-1117	4	0	0	2.81	1.19	0.17	14.88	0.299	0	0	0	0	0	0	0	0
UT-1045_2	4	0	0	2.8	1.2	0.12	10.69	0.301	0	0	0	0	0	0	0	0
PO-1049_4	4	0	0	2.34	1.65	0.16	11.51	0.414	0	0	0	0	0	0	0	0
CC-J2913_3	4	0	0	3.39	0.61	0.04	5.96	0.152	0	0	0	0	0	0	0	0
CC-J2936	4	0	0	2.7	1.3	0.1	11.98	0.325	0	0	0	0	0	0	0	0
UT-1100	4	0	0	3.03	0.97	0.09	4.59	0.243	0	0	0	0	0	0	0	0
UT-1095	4	0	0	2.82	1.18	0.16	11.38	0.294	0	0	0	0	0	0	0	0
UT-1133	4	0	0	2.71	1.29	0.07	5	0.322	0	0	0	0	0	0	0	0
UT-1149	4	0	0	2.94	1.06	0.11	6.63	0.264	0	0	0	0	0	0	0	0
CC-J1138_1	4	0	0	2.61	1.38	0.17	17.26	0.346	0	0	0	0	0	0	0	0
CC-J1190_1	4	0	0	2.58	1.41	0.2	13.9	0.353	0	0	0	0	0	0	0	0
UT-1102_2	4	0	0	2.94	1.06	0.15	9.45	0.265	0	0	0	0	0	0	0	0
CC-J2	4	0	0	3.3	0.7	0.21	21.23	0.175	0	0	0	0	0	0	0	0
PO-2899_3	4	0	0	3.78	0.22	0.01	2.15	0.055	0	0	0	0	0	0	0	0
UT-2882_2	4	0	0	2.9	1.1	0.14	13.8	0.275	0	0	0	0	0	0	0	0
PO-1192_1	4	0	0	2.6	1.4	0.21	18.53	0.349	0	0	0	0	0	0	0	0
PO-1121	4	0	0	2.76	1.23	0.22	17.22	0.309	0	0	0	0	0	0	0	0
PO-1110_2	4	0	0	2.62	1.37	0.25	20.38	0.344	0	0	0	0	0	0	0	0
CC-J113_1	4	0	0	2.51	1.49	0.22	16.45	0.372	0	0	0	0	0	0	0	0
PO-1192_2	4	0	0	2.78	1.22	0.18	9.95	0.304	0	0	0	0	0	0	0	0
PO-1110_3	4	0	0	3.54	0.46	0.14	11.86	0.114	0	0	0	0	0	0	0	0
PO-1192_3	4	0	0	2.75	1.25	0.2	15.23	0.312	0	0	0	0	0	0	0	0
CC-J1143	4	0	0	2.76	1.24	0.2	19.57	0.311	0	0	0	0	0	0	0	0
CC-J1163_1	4	0	0	2.7	1.3	0.21	13.35	0.325	0	0	0	0	0	0	0	0
UT-2954_1	4	0	0	2.8	1.2	0.25	22.32	0.3	0	0	0	0	0	0	0	0
UT-8042417	4	0	0	2.72	1.28	0.28	12.89	0.319	0	0	0	0	0	0	0	0
PO-1110_4	4	0	0	3.87	0.13	0.01	3.23	0.033	0	0	0	0	0	0	0	0
CC-J1151	4	0	0	2.31	1.69	0.17	11.73	0.421	0	0	0	0	0	0	0	0
UT-1197	4	0	0	2.91	1.09	0.26	16.82	0.271	0	0	0	0	0	0	0	0
UT-2751_2	4	0	0	2.39	1.61	0.18	13.61	0.402	0	0	0	0	0	0	0	0
UT-2954_2	4	0	0	2.74	1.26	0.07	6.85	0.314	0	0	0	0	0	0	0	0
UT-1185	4	0	0	2.8	1.2	0.17	15.37	0.299	0	0	0	0	0	0	0	0
PO-1104_1	4	0	0	3.33	0.67	0.07	10.36	0.167	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J141	4	0	0	2.5	1.5	0.13	10.04	0.375	0	0	0	0	0	0	0	0
CC-J113_2	4	0	0	2.65	1.35	0.11	8.69	0.336	0	0	0	0	0	0	0	0
CC-J2798	4	0	0	2.68	1.32	0.2	19.06	0.33	0	0	0	0	0	0	0	0
UT-3042417_1	4	0	0	2.69	1.31	0.15	9.11	0.327	0	0	0	0	0	0	0	0
CC-J1168	4	0	0	3.22	0.77	0.15	6.63	0.193	0	0	0	0	0	0	0	0
BC-1203_1	4	0	0	2.84	1.16	0.2	16.07	0.29	0	0	0	0	0	0	0	0
UT-6042417_1	4	0	0	2.9	1.1	0.25	14.76	0.274	0	0	0	0	0	0	0	0
PO-1153	4	0	0	3.95	0.05	0.01	2.84	0.013	0	0	0	0	0	0	0	0
UT-1178_1	4	0	0	2.73	1.27	0.04	3.97	0.317	0	0	0	0	0	0	0	0
UT-1178_2	4	0	0	2.8	1.2	0.09	8.58	0.3	0	0	0	0	0	0	0	0
CC-J1138_2	4	0	0	3.26	0.73	0.15	13.08	0.183	0	0	0	0	0	0	0	0
UT-1155	4	0	0	2.79	1.21	0.08	7.18	0.303	0	0	0	0	0	0	0	0
CC-J1157_1	4	0	0	2.91	1.09	0.08	5.52	0.274	0	0	0	0	0	0	0	0
UT-1161	4	0	0	2.71	1.29	0.07	4.3	0.322	0	0	0	0	0	0	0	0
UT-1178_3	4	0	0	2.88	1.12	0.14	10.05	0.281	0	0	0	0	0	0	0	0
CC-J1163_2	4	0	0	2.42	1.57	0.24	21.81	0.393	0	0	0	0	0	0	0	0
UT-4042417_1	4	0	0	2.55	1.44	0.13	7.89	0.361	0	0	0	0	0	0	0	0
UT-1227_1	4	0	0	3.23	0.77	0.08	5.73	0.192	0	0	0	0	0	0	0	0
UT-1240_1	4	0	0	2.9	1.1	0.26	20.22	0.275	0	0	0	0	0	0	0	0
UT-4042417_2	4	0	0	2.72	1.28	0.24	12.16	0.319	0	0	0	0	0	0	0	0
UT-1240_2	4	0	0	2.98	1.02	0.12	6.74	0.256	0	0	0	0	0	0	0	0
CC-J1190_2	4	0	0	2.93	1.07	0.21	18.09	0.268	0	0	0	0	0	0	0	0
PO-1192_4	4	0	0	2.45	1.54	0.11	7.9	0.386	0	0	0	0	0	0	0	0
CC-J1182	4	0	0	2.87	1.13	0.11	7.84	0.283	0	0	0	0	0	0	0	0
PO-23	4	0	0	2.38	1.62	0.2	14.24	0.404	0	0	0	0	0	0	0	0
BC-1245_1	4	0	0	2.83	1.17	0.25	16.01	0.292	0	0	0	0	0	0	0	0
CC-J115	4	0	0	2.53	1.47	0.17	10.6	0.366	0	0	0	0	0	0	0	0
PO-1104_2	4	0	0	3.71	0.29	0.04	7.94	0.072	0	0	0	0	0	0	0	0
BC-2736	4	0	0	2.76	1.24	0.18	17.84	0.31	0	0	0	0	0	0	0	0
CC-J1138_3	4	0	0	2.8	1.19	0.13	9.4	0.298	0	0	0	0	0	0	0	0
BC-1289_1	4	0	0	3.43	0.57	0.04	3.58	0.143	0	0	0	0	0	0	0	0
PO-1234_1	4	0	0	2.52	1.48	0.23	18.29	0.369	0	0	0	0	0	0	0	0
UT-2919_1	4	0	0	2.88	1.12	0.2	14.35	0.28	0	0	0	0	0	0	0	0
UT-3042417_2	4	0	0	2.71	1.29	0.09	9.18	0.322	0	0	0	0	0	0	0	0
CC-J2905	4	0	0	2.72	1.28	0.11	11.68	0.321	0	0	0	0	0	0	0	0
CC-J2789_1	4	0	0	2.54	1.46	0.08	7.14	0.366	0	0	0	0	0	0	0	0
UT-6042417_2	4	0	0	2.32	1.67	0.13	7.72	0.418	0	0	0	0	0	0	0	0
UT-1212	4	0	0	2.78	1.22	0.23	16.3	0.305	0	0	0	0	0	0	0	0
CC-J1157_2	4	0	0	2.66	1.33	0.16	7.7	0.334	0	0	0	0	0	0	0	0
CC-J1190_3	4	0	0	3.5	0.5	0.06	8.96	0.126	0	0	0	0	0	0	0	0
CC-J1287_1	4	0	0	2.75	1.25	0.18	15.81	0.313	0	0	0	0	0	0	0	0
BC-1289_2	4	0	0	2.9	1.09	0.08	4.12	0.272	0	0	0	0	0	0	0	0
UT-1227_2	4	0	0	2.58	1.41	0.1	7.93	0.353	0	0	0	0	0	0	0	0
UT-2966_2	4	0	0	2.56	1.43	0.15	8.41	0.358	0	0	0	0	0	0	0	0
BC-1203_2	4	0	0	3.65	0.35	0.11	10.13	0.088	0	0	0	0	0	0	0	0
CC-J1271_1	4	0	0	2.69	1.31	0.2	18.03	0.327	0	0	0	0	0	0	0	0
PO-1223_1	4	0	0	3.88	0.12	0.02	2.72	0.029	0	0	0	0	0	0	0	0
BC-66_1	4	0	0	2.59	1.4	0.22	12.78	0.351	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
PO-1234_2	4	0	0	2.72	1.27	0.12	9.59	0.319	0	0	0	0	0	0	0	0
BC-1289_3	4	0	0	3.35	0.64	0.04	3.15	0.161	0	0	0	0	0	0	0	0
CC-J1271_2	4	0	0	2.77	1.23	0.08	7.57	0.307	0	0	0	0	0	0	0	0
UT-1269_1	4	0	0	2.72	1.28	0.18	14.4	0.321	0	0	0	0	0	0	0	0
UT-1301_1	4	0	0	2.73	1.26	0.17	13.24	0.316	0	0	0	0	0	0	0	0
BC-1245_2	4	0	0	2.61	1.38	0.18	11.58	0.346	0	0	0	0	0	0	0	0
PO-1234_3	4	0	0	2.85	1.15	0.22	13.04	0.286	0	0	0	0	0	0	0	0
BC-1289_4	4	0	0	2.99	1	0.13	7.31	0.25	0	0	0	0	0	0	0	0
UT-7042417_1	4	0	0	2.87	1.13	0.09	5.11	0.283	0	0	0	0	0	0	0	0
UT-1227_3	4	0	0	2.66	1.34	0.31	19.4	0.334	0	0	0	0	0	0	0	0
PO-1297_1	4	0	0	3.59	0.41	0.05	4.82	0.102	0	0	0	0	0	0	0	0
BC-1238	4	0	0	2.9	1.1	0.18	12.39	0.276	0	0	0	0	0	0	0	0
BC-1259	4	0	0	3.3	0.69	0.07	4.14	0.173	0	0	0	0	0	0	0	0
BC-1242	4	0	0	2.79	1.2	0.1	5.9	0.3	0	0	0	0	0	0	0	0
UT-1232	4	0	0	2.91	1.09	0.1	9.88	0.272	0	0	0	0	0	0	0	0
CC-J1350_1	4	0	0	2.97	1.03	0.19	18.36	0.258	0	0	0	0	0	0	0	0
PO-1223_2	4	0	0	3.81	0.19	0.03	5	0.047	0	0	0	0	0	0	0	0
CC-J1287_2	4	0	0	2.8	1.2	0.13	10.23	0.3	0	0	0	0	0	0	0	0
CC-J2789_2	4	0	0	2.85	1.15	0.03	4.49	0.288	0	0	0	0	0	0	0	0
PO-1295	4	0	0	2.95	1.04	0.13	7.17	0.26	0	0	0	0	0	0	0	0
CC-J1255	4	0	0	3.26	0.74	0.13	17.1	0.185	0	0	0	0	0	0	0	0
UT-1269_2	4	0	0	2.74	1.26	0.13	7.82	0.315	0	0	0	0	0	0	0	0
UT-6042417_3	4	0	0	2.64	1.35	0.13	7.14	0.339	0	0	0	0	0	0	0	0
BC-48	4	0	0	2.84	1.16	0.08	6.34	0.289	0	0	0	0	0	0	0	0
BC-66_2	4	0	0	2.12	1.87	0.13	10.21	0.467	0	0	0	0	0	0	0	0
PO-1299_1	4	0	0	3.73	0.27	0.07	3.85	0.068	0	0	0	0	0	0	0	0
UT-2990_1	4	0	0	2.67	1.32	0.35	26.05	0.331	0	0	0	0	0	0	0	0
UT-2919_2	4	0	0	3.37	0.63	0.15	14.71	0.158	0	0	0	0	0	0	0	0
CC-J2790_1	4	0	0	3.1	0.9	0.04	6.26	0.226	0	0	0	0	0	0	0	0
BC-1249	4	0	0	2.6	1.4	0.12	8.54	0.349	0	0	0	0	0	0	0	0
UT-1279	4	0	0	3.42	0.58	0.05	7.42	0.145	0	0	0	0	0	0	0	0
UT-10042417	4	0	0	2.66	1.33	0.46	18.17	0.333	0	0	0	0	0	0	0	0
CC-J2790_2	4	0	0	3.17	0.83	0.12	12.46	0.206	0	0	0	0	0	0	0	0
UT-11042417_1	4	0	0	2.62	1.37	0.46	22.1	0.344	0	0	0	0	0	0	0	0
BC-1289_5	4	0	0	3.2	0.79	0.09	6.65	0.198	0	0	0	0	0	0	0	0
BC-1305_1	4	0	0	2.95	1.04	0.16	12.79	0.26	0	0	0	0	0	0	0	0
CC-J3026	4	0	0	3.37	0.63	0.12	12.56	0.157	0	0	0	0	0	0	0	0
UT-2707_1	4	0	0	3.43	0.57	0.03	4.03	0.142	0	0	0	0	0	0	0	0
BC-1305_2	4	0	0	2.83	1.16	0.12	7.34	0.29	0	0	0	0	0	0	0	0
CC-J1287_3	4	0	0	3.5	0.5	0.08	9.86	0.124	0	0	0	0	0	0	0	0
PO-1297_2	4	0	0	3.78	0.22	0.04	5.94	0.056	0	0	0	0	0	0	0	0
BC-66_3	4	0	0	2.27	1.73	0.1	6.31	0.432	0	0	0	0	0	0	0	0
BC-49	4	0	0	2.82	1.18	0.15	10.37	0.294	0	0	0	0	0	0	0	0
BC-1293	4	0	0	2.91	1.08	0.1	6.71	0.27	0	0	0	0	0	0	0	0
UT-7042417_2	4	0	0	2.65	1.35	0.18	14.2	0.336	0	0	0	0	0	0	0	0
CC-J2965_1	4	0	0	3.42	0.58	0.06	4	0.144	0	0	0	0	0	0	0	0
CC-J2965_2	4	0	0	3.25	0.74	0.12	6.73	0.185	0	0	0	0	0	0	0	0
UT-2707_2	4	0	0	3.41	0.59	0.06	8.23	0.148	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
BC-72	4	0	0	2.44	1.55	0.23	19.83	0.389	0	0	0	0	0	0	0	0
PO-1346_1	4	0	0	3.2	0.8	0.13	11.3	0.201	0	0	0	0	0	0	0	0
CC-J127_1	4	0	0	2.92	1.08	0.15	9.75	0.269	0	0	0	0	0	0	0	0
UT-1283	4	0	0	3.05	0.95	0.09	9.09	0.237	0	0	0	0	0	0	0	0
PO-1285	4	0	0	2.51	1.49	0.19	12.61	0.372	0	0	0	0	0	0	0	0
BC-1358	4	0	0	2.88	1.12	0.15	10.48	0.28	0	0	0	0	0	0	0	0
CC-J127_2	4	0	0	3.03	0.97	0.08	3.78	0.241	0	0	0	0	0	0	0	0
UT-2990_2	4	0	0	2.98	1.02	0.07	7.21	0.255	0	0	0	0	0	0	0	0
BC-73_1	4	0	0	2.7	1.29	0.16	13.23	0.323	0	0	0	0	0	0	0	0
CC-J127_3	4	0	0	2.95	1.05	0.21	12.68	0.263	0	0	0	0	0	0	0	0
CC-J80_1	4	0	0	2.73	1.27	0.11	4.95	0.317	0	0	0	0	0	0	0	0
PO-1299_2	4	0	0	3.77	0.23	0.02	3.18	0.056	0	0	0	0	0	0	0	0
CC-J127_4	4	0	0	2.91	1.09	0.1	5.17	0.273	0	0	0	0	0	0	0	0
CC-J80_2	4	0	0	2.68	1.31	0.27	18.68	0.329	0	0	0	0	0	0	0	0
BC-1318	4	0	0	2.87	1.13	0.07	4.96	0.281	0	0	0	0	0	0	0	0
CC-J80_3	4	0	0	2.63	1.36	0.36	20.43	0.341	0	0	0	0	0	0	0	0
CC-J1291	4	0	0	3.18	0.82	0.09	8.31	0.206	0	0	0	0	0	0	0	0
BC-1354_1	4	0	0	3.39	0.61	0.11	7.19	0.152	0	0	0	0	0	0	0	0
BC-1336	4	0	0	3.29	0.71	0.14	11.47	0.177	0	0	0	0	0	0	0	0
BC-73_2	4	0	0	2.33	1.67	0.19	14.8	0.417	0	0	0	0	0	0	0	0
UT-1301_2	4	0	0	3.35	0.65	0.1	8.52	0.163	0	0	0	0	0	0	0	0
BC-1307	4	0	0	2.84	1.15	0.14	9.68	0.287	0	0	0	0	0	0	0	0
BC-1392_1	4	0	0	3.19	0.81	0.16	11.88	0.202	0	0	0	0	0	0	0	0
UT-2902	4	0	0	3.28	0.72	0.25	22.42	0.179	0	0	0	0	0	0	0	0
PO-1316	4	0	0	3.8	0.2	0.03	4.38	0.049	0	0	0	0	0	0	0	0
CC-J1406	4	0	0	3.78	0.22	0.03	5.22	0.054	0	0	0	0	0	0	0	0
BC-1332	4	0	0	3.11	0.88	0.07	7.04	0.221	0	0	0	0	0	0	0	0
CC-J127_5	4	0	0	2.76	1.24	0.18	9.27	0.309	0	0	0	0	0	0	0	0
UT-14042417_1	4	0	0	2.98	1.02	0.18	10.07	0.256	0	0	0	0	0	0	0	0
BC-1377_1	4	0	0	3.27	0.72	0.24	13.02	0.18	0	0	0	0	0	0	0	0
PO-1346_2	4	0	0	2.92	1.08	0.09	8.15	0.27	0	0	0	0	0	0	0	0
UT-14042417_2	4	0	0	2.78	1.22	0.09	8.46	0.306	0	0	0	0	0	0	0	0
PO-1364	4	0	0	3.7	0.3	0.02	2.36	0.075	0	0	0	0	0	0	0	0
UT-1403	4	0	0	3.46	0.54	0.15	9.17	0.135	0	0	0	0	0	0	0	0
BC-1396	4	0	0	2.95	1.04	0.13	8	0.26	0	0	0	0	0	0	0	0
CC-J1350_2	4	0	0	3.09	0.9	0.12	6.21	0.224	0	0	0	0	0	0	0	0
CC-J1344	4	0	0	3.89	0.11	0.01	2.77	0.028	0	0	0	0	0	0	0	0
BC-1420	4	0	0	3.18	0.81	0.17	12.09	0.203	0	0	0	0	0	0	0	0
CC-J127_6	4	0	0	2.65	1.34	0.16	10.25	0.336	0	0	0	0	0	0	0	0
BC-7	4	0	0	3.17	0.82	0.06	4.39	0.205	0	0	0	0	0	0	0	0
CC-J82	4	0	0	2.74	1.26	0.37	26.04	0.315	0	0	0	0	0	0	0	0
BC-1385_1	4	0	0	2.51	1.49	0.22	17.18	0.372	0	0	0	0	0	0	0	0
UT-13042417_1	4	0	0	3.4	0.59	0.18	14.01	0.148	0	0	0	0	0	0	0	0
UT-11042417_2	4	0	0	2.84	1.16	0.09	5.58	0.289	0	0	0	0	0	0	0	0
BC-1354_2	4	0	0	3.27	0.73	0.12	11.03	0.182	0	0	0	0	0	0	0	0
PO-2722	4	0	0	3.77	0.23	0.05	4.16	0.056	0	0	0	0	0	0	0	0
BC-1309	4	0	0	3.12	0.88	0.1	8.26	0.22	0	0	0	0	0	0	0	0
PO-1371	4	0	0	3.6	0.4	0.1	12.1	0.1	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-1398_1	4	0	0	2.82	1.18	0.11	10.4	0.295	0	0	0	0	0	0	0	0
CC-J1426_1	4	0	0	2.95	1.03	0.17	8.68	0.258	0	0	0	0	0	0	0	0
CC-J1362	4	0	0	3.19	0.8	0.09	4.72	0.2	0	0	0	0	0	0	0	0
UT-11042417_3	4	0	0	2.4	1.59	0.15	7.01	0.397	0	0	0	0	0	0	0	0
BC-5	4	0	0	3.66	0.34	0.03	4.06	0.085	0	0	0	0	0	0	0	0
CC-J1435	4	0	0	3.93	0.07	0.02	3.79	0.017	0	0	0	0	0	0	0	0
BC-1377_2	4	0	0	3.91	0.09	0.01	1.02	0.022	0	0	0	0	0	0	0	0
BC-1428_1	4	0	0	3.46	0.54	0.06	3.29	0.134	0	0	0	0	0	0	0	0
BC-2934	4	0	0	3.41	0.59	0.07	5.27	0.146	0	0	0	0	0	0	0	0
BC-1430	4	0	0	3.42	0.58	0.05	3.74	0.144	0	0	0	0	0	0	0	0
UT-1369_1	4	0	0	2.79	1.2	0.11	5.92	0.301	0	0	0	0	0	0	0	0
UT-1369_2	4	0	0	2.53	1.46	0.12	7.85	0.365	0	0	0	0	0	0	0	0
UT-1398_2	4	0	0	2.77	1.22	0.31	13.72	0.306	0	0	0	0	0	0	0	0
CC-J127_7	4	0	0	2.83	1.17	0.43	16.3	0.292	0	0	0	0	0	0	0	0
PO-21	4	0	0	3.5	0.49	0.03	2.35	0.123	0	0	0	0	0	0	0	0
BC-1390	4	0	0	2.88	1.12	0.1	7.45	0.279	0	0	0	0	0	0	0	0
PO-1480_1	4	0	0	3.65	0.35	0.05	3.63	0.087	0	0	0	0	0	0	0	0
UT-13042417_2	4	0	0	2.96	1.04	0.09	8.11	0.261	0	0	0	0	0	0	0	0
BC-1392_2	4	0	0	2.31	1.68	0.06	4.99	0.421	0	0	0	0	0	0	0	0
UT-11042417_4	4	0	0	2.88	1.12	0.11	10.2	0.28	0	0	0	0	0	0	0	0
BC-3024_1	4	0	0	3.99	0.01	0	0.03	0.003	0	0	0	0	0	0	0	0
PO-1480_2	4	0	0	3.65	0.35	0.09	8.19	0.088	0	0	0	0	0	0	0	0
BC-2795	4	0	0	3.38	0.62	0.11	6.92	0.155	0	0	0	0	0	0	0	0
CC-J80_4	4	0	0	2.39	1.6	0.19	13.48	0.4	0	0	0	0	0	0	0	0
BC-1482	4	0	0	3.88	0.12	0.01	2.34	0.031	0	0	0	0	0	0	0	0
BC-1475_1	4	0	0	3.15	0.84	0.09	6.27	0.211	0	0	0	0	0	0	0	0
BC-1392_3	4	0	0	3.13	0.86	0.12	8.5	0.215	0	0	0	0	0	0	0	0
PO-1446_1	4	0	0	3.22	0.77	0.2	13.05	0.192	0	0	0	0	0	0	0	0
UT-84_1	4	0	0	3.47	0.53	0.04	3.72	0.132	0	0	0	0	0	0	0	0
BC-1463	4	0	0	3.28	0.72	0.17	9.47	0.179	0	0	0	0	0	0	0	0
UT-41042417_1	4	0	0	2.69	1.31	0.1	9.93	0.326	0	0	0	0	0	0	0	0
BC-1428_2	4	0	0	3	0.99	0.08	4.46	0.247	0	0	0	0	0	0	0	0
CC-J1426_2	4	0	0	3.06	0.93	0.06	3.81	0.232	0	0	0	0	0	0	0	0
CC-MASJ1365_2	4	0	0	2.72	1.28	0.09	7.71	0.32	0	0	0	0	0	0	0	0
BC-2706	4	0	0	3.95	0.05	0.01	1.56	0.012	0	0	0	0	0	0	0	0
BC-1432	4	0	0	3.31	0.68	0.07	5.84	0.171	0	0	0	0	0	0	0	0
BC-3024_2	4	0	0	3.97	0.03	0	0.51	0.008	0	0	0	0	0	0	0	0
UT-123	4	0	0	2.65	1.35	0.16	12.35	0.337	0	0	0	0	0	0	0	0
CC-J1422	4	0	0	3.85	0.15	0	1.23	0.038	0	0	0	0	0	0	0	0
PO-1480_3	4	0	0	3.73	0.27	0.03	3	0.067	0	0	0	0	0	0	0	0
BC-1478_1	4	0	0	3.96	0.04	0	0.34	0.01	0	0	0	0	0	0	0	0
BC-1469_1	4	0	0	3.9	0.1	0.02	2.55	0.025	0	0	0	0	0	0	0	0
BC-1478_2	4	0	0	3.96	0.04	0.01	0.37	0.01	0	0	0	0	0	0	0	0
CC-J1426_3	4	0	0	3.84	0.16	0.02	2.86	0.039	0	0	0	0	0	0	0	0
BC-1475_2	4	0	0	3.56	0.43	0.03	3.49	0.108	0	0	0	0	0	0	0	0
UT-131	4	0	0	2.78	1.22	0.31	18.12	0.305	0	0	0	0	0	0	0	0
BC-1465_1	4	0	0	3.68	0.32	0.06	5.06	0.08	0	0	0	0	0	0	0	0
BC-2732_1	4	0	0	3.46	0.53	0.04	2.86	0.133	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
BC-1504	4	0	0	3.74	0.26	0.02	1.99	0.065	0	0	0	0	0	0	0	0
BC-2732_2	4	0	0	3.53	0.47	0.04	4.43	0.117	0	0	0	0	0	0	0	0
CC-J124_1	4	0	0	2.74	1.25	0.46	30.58	0.313	0	0	0	0	0	0	0	0
CC-J80_5	4	0	0	2.85	1.15	0.13	7.45	0.287	0	0	0	0	0	0	0	0
PO-1480_4	4	0	0	3.67	0.33	0.05	3.27	0.082	0	0	0	0	0	0	0	0
UT-2740_1	4	0	0	3.05	0.95	0.14	6.63	0.237	0	0	0	0	0	0	0	0
PO-1510_1	4	0	0	3.84	0.16	0.05	3.64	0.039	0	0	0	0	0	0	0	0
UT-1484_1	4	0	0	2.82	1.18	0.15	12.52	0.295	0	0	0	0	0	0	0	0
BC-30	4	0	0	3.72	0.27	0.02	2.06	0.069	0	0	0	0	0	0	0	0
UT-1484_2	4	0	0	2.93	1.07	0.08	5.08	0.267	0	0	0	0	0	0	0	0
BC-1475_3	4	0	0	3.33	0.66	0.1	5.69	0.165	0	0	0	0	0	0	0	0
BC-1469_2	4	0	0	3.84	0.15	0.01	2.12	0.039	0	0	0	0	0	0	0	0
CC-J3025_1	4	0	0	3.89	0.1	0.02	4.68	0.026	0	0	0	0	0	0	0	0
UT-84_2	4	0	0	3.67	0.33	0.09	10.81	0.084	0	0	0	0	0	0	0	0
CC-J1452	4	0	0	3.91	0.09	0.01	2.94	0.023	0	0	0	0	0	0	0	0
UT-41042417_2	4	0	0	2.86	1.14	0.2	11.65	0.284	0	0	0	0	0	0	0	0
PO-1446_2	4	0	0	3.5	0.5	0.05	4.72	0.125	0	0	0	0	0	0	0	0
UT-12042417	4	0	0	3.03	0.97	0.17	16.01	0.242	0	0	0	0	0	0	0	0
BC-2732_3	4	0	0	3.96	0.04	0	0.61	0.01	0	0	0	0	0	0	0	0
BC-1469_3	4	0	0	3.84	0.16	0.01	2.61	0.039	0	0	0	0	0	0	0	0
PO-1500	4	0	0	2.81	1.19	0.19	16.97	0.298	0	0	0	0	0	0	0	0
PO-1454	4	0	0	3.81	0.18	0.05	6.29	0.046	0	0	0	0	0	0	0	0
UT-18042417	4	0	0	2.8	1.19	0.08	6.33	0.299	0	0	0	0	0	0	0	0
CC-J124_2	4	0	0	2.49	1.5	0.15	8.94	0.375	0	0	0	0	0	0	0	0
BC-31	4	0	0	3.46	0.53	0.15	7.86	0.132	0	0	0	0	0	0	0	0
UT-19042417_1	4	0	0	3.08	0.92	0.13	11.1	0.23	0	0	0	0	0	0	0	0
BC-1465_2	4	0	0	3.3	0.69	0.06	3.54	0.173	0	0	0	0	0	0	0	0
UT-2740_2	4	0	0	2.86	1.14	0.21	15.19	0.285	0	0	0	0	0	0	0	0
BC-2723_1	4	0	0	3.88	0.12	0.02	2.75	0.03	0	0	0	0	0	0	0	0
CC-J2907	4	0	0	2.94	1.06	0.15	9.3	0.266	0	0	0	0	0	0	0	0
UT-1484_3	4	0	0	2.85	1.15	0.1	7.53	0.288	0	0	0	0	0	0	0	0
UT-19042417_2	4	0	0	3.24	0.76	0.27	23.09	0.191	0	0	0	0	0	0	0	0
BC-2781	4	0	0	3.91	0.09	0.02	1.03	0.023	0	0	0	0	0	0	0	0
BC-2732_4	4	0	0	3.87	0.13	0	0.89	0.034	0	0	0	0	0	0	0	0
CC-J124_3	4	0	0	2.52	1.48	0.17	12.57	0.37	0	0	0	0	0	0	0	0
BC-2723_2	4	0	0	3.85	0.15	0.01	2.68	0.037	0	0	0	0	0	0	0	0
CC-J1544_1	4	0	0	2.82	1.18	0.17	10.47	0.294	0	0	0	0	0	0	0	0
CC-J1544_2	4	0	0	2.84	1.16	0.09	7.55	0.291	0	0	0	0	0	0	0	0
BC-2937	4	0	0	3.54	0.46	0.07	5.2	0.114	0	0	0	0	0	0	0	0
BC-3023	4	0	0	3.92	0.08	0.01	2.64	0.019	0	0	0	0	0	0	0	0
BC-1538_1	4	0	0	3.83	0.17	0.01	2.69	0.041	0	0	0	0	0	0	0	0
PO-3004_1	4	0	0	3.51	0.49	0.09	12.6	0.123	0	0	0	0	0	0	0	0
CC-J1536_1	4	0	0	3.91	0.09	0.01	1.98	0.021	0	0	0	0	0	0	0	0
PO-1553	4	0	0	3.81	0.19	0.04	3.53	0.046	0	0	0	0	0	0	0	0
CC-J1527	4	0	0	2.56	1.44	0.14	10.4	0.36	0	0	0	0	0	0	0	0
CC-J1584_1	4	0	0	2.27	1.72	0.18	11.44	0.429	0	0	0	0	0	0	0	0
BC-1525	4	0	0	3.91	0.09	0.02	2.53	0.022	0	0	0	0	0	0	0	0
CC-J2699_1	4	0	0	2.84	1.16	0.18	12.89	0.29	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
BC-1590_1	4	0	0	3.55	0.44	0.08	6.94	0.111	0	0	0	0	0	0	0	0
CC-J1536_2	4	0	0	3.92	0.08	0.01	1.48	0.019	0	0	0	0	0	0	0	0
UT-2740_3	4	0	0	2.8	1.2	0.09	8.27	0.299	0	0	0	0	0	0	0	0
UT-20042417_1	4	0	0	3.61	0.39	0.11	9.45	0.097	0	0	0	0	0	0	0	0
UT-19042417_3	4	0	0	3.06	0.94	0.06	5.13	0.234	0	0	0	0	0	0	0	0
CC-J3025_2	4	0	0	3.71	0.29	0.04	1.9	0.073	0	0	0	0	0	0	0	0
BC-1538_2	4	0	0	3.9	0.1	0.03	4.12	0.026	0	0	0	0	0	0	0	0
CC-J1584_2	4	0	0	2.71	1.29	0.1	7.85	0.321	0	0	0	0	0	0	0	0
UT-20042417_2	4	0	0	3.21	0.79	0.07	8.34	0.197	0	0	0	0	0	0	0	0
BC-1560	4	0	0	3.37	0.63	0.07	7.21	0.158	0	0	0	0	0	0	0	0
PO-1510_2	4	0	0	3.61	0.38	0.09	5.26	0.096	0	0	0	0	0	0	0	0
CC-J2699_2	4	0	0	2.36	1.63	0.19	12.88	0.408	0	0	0	0	0	0	0	0
CC-J1584_3	4	0	0	2.3	1.69	0.21	11.16	0.422	0	0	0	0	0	0	0	0
CC-J1601	4	0	0	2.67	1.32	0.19	13.01	0.331	0	0	0	0	0	0	0	0
BC-1571_1	4	0	0	3.86	0.14	0.01	2.39	0.034	0	0	0	0	0	0	0	0
BC-1567_1	4	0	0	3.67	0.33	0.04	4.94	0.083	0	0	0	0	0	0	0	0
BC-1567_2	4	0	0	3.29	0.71	0.07	6.21	0.178	0	0	0	0	0	0	0	0
BC-1593_1	4	0	0	3.88	0.12	0.01	2.27	0.029	0	0	0	0	0	0	0	0
BC-2973_1	4	0	0	3.82	0.18	0.04	1.72	0.044	0	0	0	0	0	0	0	0
BC-1542	4	0	0	3.31	0.69	0.06	4.28	0.172	0	0	0	0	0	0	0	0
CC-J1588_1	4	0	0	3.42	0.58	0.1	6.43	0.145	0	0	0	0	0	0	0	0
BC-1571_2	4	0	0	3.31	0.69	0.06	6.99	0.172	0	0	0	0	0	0	0	0
BC-2973_2	4	0	0	3.9	0.1	0.01	2.31	0.025	0	0	0	0	0	0	0	0
CC-J2699_3	4	0	0	2.34	1.66	0.14	11.31	0.414	0	0	0	0	0	0	0	0
CC-J1619	4	0	0	2.84	1.16	0.09	6.7	0.289	0	0	0	0	0	0	0	0
BC-1615	4	0	0	3.92	0.08	0	0.43	0.02	0	0	0	0	0	0	0	0
CC-J1597_1	4	0	0	2.1	1.89	0.16	8.89	0.472	0	0	0	0	0	0	0	0
CC-J1647	4	0	0	3.1	0.9	0.29	24.47	0.225	0	0	0	0	0	0	0	0
PO-2900_1	4	0	0	3.79	0.21	0.04	3.07	0.052	0	0	0	0	0	0	0	0
PO-3004_2	4	0	0	3.07	0.92	0.07	4.3	0.23	0	0	0	0	0	0	0	0
UT-20042417_3	4	0	0	2.98	1.02	0.1	7.16	0.255	0	0	0	0	0	0	0	0
CC-J3025_3	4	0	0	3.89	0.11	0.02	3.58	0.028	0	0	0	0	0	0	0	0
PO-1613_1	4	0	0	3.46	0.54	0.08	7.31	0.134	0	0	0	0	0	0	0	0
BC-33	4	0	0	3.97	0.03	0	0.19	0.008	0	0	0	0	0	0	0	0
UT-21042417_1	4	0	0	2.78	1.22	0.14	8.5	0.305	0	0	0	0	0	0	0	0
CC-J74_1	4	0	0	3.72	0.28	0.05	4.79	0.07	0	0	0	0	0	0	0	0
BC-1590_2	4	0	0	2.27	1.72	0.14	9.2	0.43	0	0	0	0	0	0	0	0
CC-J1653_1	4	0	0	3.06	0.93	0.18	10.64	0.234	0	0	0	0	0	0	0	0
BC-11_1	4	0	0	3.93	0.07	0	0.23	0.018	0	0	0	0	0	0	0	0
BC-1609	4	0	0	3.91	0.09	0.02	2.76	0.021	0	0	0	0	0	0	0	0
PO-1633_1	4	0	0	3.72	0.28	0.01	1.45	0.069	0	0	0	0	0	0	0	0
BC-1629	4	0	0	2.56	1.43	0.17	16	0.359	0	0	0	0	0	0	0	0
CC-J1627_1	4	0	0	3.73	0.27	0.04	4.77	0.068	0	0	0	0	0	0	0	0
UT-28042417	4	0	0	3.72	0.27	0.05	4.55	0.069	0	0	0	0	0	0	0	0
UT-29042417	4	0	0	3.72	0.28	0.07	5.05	0.071	0	0	0	0	0	0	0	0
CC-J1597_2	4	0	0	3.24	0.75	0.19	14.87	0.188	0	0	0	0	0	0	0	0
CC-J76_1	4	0	0	3.13	0.87	0.13	8.51	0.217	0	0	0	0	0	0	0	0
UT-27042417_1	4	0	0	3.52	0.48	0.1	7.54	0.12	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
BC-11_2	4	0	0	3.75	0.25	0.1	10.27	0.061	0	0	0	0	0	0	0	0
BC-11_3	4	0	0	3.91	0.09	0.01	1.56	0.022	0	0	0	0	0	0	0	0
UT-21042417_2	4	0	0	3.41	0.59	0.06	5.54	0.148	0	0	0	0	0	0	0	0
PO-36	4	0	0	3.86	0.14	0.02	2.38	0.035	0	0	0	0	0	0	0	0
UT-21042417_3	4	0	0	3.08	0.92	0.05	4.85	0.229	0	0	0	0	0	0	0	0
CC-J1588_2	4	0	0	3.45	0.55	0.06	4.99	0.137	0	0	0	0	0	0	0	0
PO-1613_2	4	0	0	3.81	0.19	0.01	1.66	0.046	0	0	0	0	0	0	0	0
CC-J1623	4	0	0	3.33	0.67	0.1	8.17	0.166	0	0	0	0	0	0	0	0
BC-1593_2	4	0	0	3.98	0.02	0	0.86	0.006	0	0	0	0	0	0	0	0
BC-32	4	0	0	2.63	1.37	0.09	7.66	0.342	0	0	0	0	0	0	0	0
PO-1633_2	4	0	0	3.42	0.58	0.1	5.07	0.144	0	0	0	0	0	0	0	0
UT-23042417_1	4	0	0	3.64	0.36	0.04	4.53	0.09	0	0	0	0	0	0	0	0
UT-27042417_2	4	0	0	3.7	0.3	0.03	3.22	0.075	0	0	0	0	0	0	0	0
CC-J1660	4	0	0	3.49	0.51	0.05	6.96	0.127	0	0	0	0	0	0	0	0
CC-J1653_2	4	0	0	3.1	0.9	0.11	8.43	0.225	0	0	0	0	0	0	0	0
BC-1625	4	0	0	3.95	0.05	0.01	1.43	0.014	0	0	0	0	0	0	0	0
CC-J74_2	4	0	0	3.77	0.23	0.02	2.41	0.057	0	0	0	0	0	0	0	0
UT-25042417	4	0	0	3.77	0.23	0.02	2.48	0.058	0	0	0	0	0	0	0	0
BC-1662_1	4	0	0	3.98	0.02	0.01	0.25	0.005	0	0	0	0	0	0	0	0
UT-26042417	4	0	0	3.53	0.47	0.04	3.91	0.117	0	0	0	0	0	0	0	0
BC-1635	4	0	0	3.08	0.91	0.12	11.27	0.229	0	0	0	0	0	0	0	0
CC-J9	4	0	0	3.6	0.39	0.06	4.52	0.098	0	0	0	0	0	0	0	0
UT-22042417	4	0	0	3.57	0.43	0.03	4.82	0.107	0	0	0	0	0	0	0	0
UT-24042417	4	0	0	3.53	0.47	0.08	6.73	0.117	0	0	0	0	0	0	0	0
BC-1683	4	0	0	3.42	0.58	0.16	15.4	0.144	0	0	0	0	0	0	0	0
CC-J76_2	4	0	0	2.98	1.01	0.1	6.75	0.252	0	0	0	0	0	0	0	0
PO-1637	4	0	0	3.32	0.68	0.11	5.17	0.169	0	0	0	0	0	0	0	0
PO-1673	4	0	0	3.9	0.1	0.02	3.62	0.024	0	0	0	0	0	0	0	0
UT-21042417_4	4	0	0	2.96	1.04	0.11	7.55	0.259	0	0	0	0	0	0	0	0
BC-2968	4	0	0	3.41	0.58	0.08	7.44	0.146	0	0	0	0	0	0	0	0
CC-J1627_2	4	0	0	3.28	0.72	0.09	7.05	0.181	0	0	0	0	0	0	0	0
BC-1645_1	4	0	0	3.31	0.69	0.09	8.01	0.172	0	0	0	0	0	0	0	0
PO-2726	4	0	0	3.88	0.12	0.01	1.64	0.03	0	0	0	0	0	0	0	0
BC-1643	4	0	0	3.8	0.2	0.01	2.22	0.05	0	0	0	0	0	0	0	0
CC-J2869	4	0	0	3.45	0.54	0.03	1.33	0.136	0	0	0	0	0	0	0	0
CC-J1649	4	0	0	3.4	0.6	0.07	4.12	0.149	0	0	0	0	0	0	0	0
CC-J2864_1	4	0	0	3.97	0.03	0.02	0.72	0.007	0	0	0	0	0	0	0	0
BC-2924	4	0	0	3.95	0.05	0	1.01	0.011	0	0	0	0	0	0	0	0
CC-J1627_3	4	0	0	3.85	0.15	0.03	2.7	0.037	0	0	0	0	0	0	0	0
BC-1729_1	4	0	0	2.78	1.21	0.23	15.78	0.303	0	0	0	0	0	0	0	0
BC-2797	4	0	0	3.71	0.29	0.02	3.61	0.074	0	0	0	0	0	0	0	0
CC-J1669_1	4	0	0	3.85	0.15	0.02	1.14	0.038	0	0	0	0	0	0	0	0
UT-23042417_2	4	0	0	3.65	0.35	0.03	3.75	0.087	0	0	0	0	0	0	0	0
BC-87	4	0	0	2.29	1.7	0.21	17.04	0.426	0	0	0	0	0	0	0	0
BC-2750	4	0	0	3.38	0.62	0.07	10.37	0.155	0	0	0	0	0	0	0	0
CC-J76_3	4	0	0	3.85	0.15	0.01	2.19	0.037	0	0	0	0	0	0	0	0
CC-J76_4	4	0	0	3.71	0.29	0.03	3.17	0.073	0	0	0	0	0	0	0	0
BC-1662_2	4	0	0	3.64	0.36	0.05	7.93	0.09	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
PO-1677_1	4	0	0	3.85	0.15	0.02	0.89	0.038	0	0	0	0	0	0	0	0
CC-J1588_3	4	0	0	3.87	0.13	0.02	2.06	0.032	0	0	0	0	0	0	0	0
PO-1677_2	4	0	0	3.99	0.01	0	0.04	0.002	0	0	0	0	0	0	0	0
BC-1704	4	0	0	3.54	0.46	0.01	1.83	0.115	0	0	0	0	0	0	0	0
BC-1111	4	0	0	3.26	0.74	0.09	7.96	0.184	0	0	0	0	0	0	0	0
CC-J2898	4	0	0	3.6	0.4	0.04	3.61	0.099	0	0	0	0	0	0	0	0
PO-2900_2	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
BC-1645_2	4	0	0	3.62	0.38	0.04	4.27	0.095	0	0	0	0	0	0	0	0
BC-2885	4	0	0	2.45	1.54	0.19	13.66	0.386	0	0	0	0	0	0	0	0
BC-1691_1	4	0	0	3.11	0.88	0.06	4.35	0.22	0	0	0	0	0	0	0	0
BC-1679_1	4	0	0	3.81	0.19	0.05	6.09	0.048	0	0	0	0	0	0	0	0
BC-1707_1	4	0	0	2.77	1.22	0.11	7.75	0.306	0	0	0	0	0	0	0	0
CC-J1669_2	4	0	0	3.67	0.32	0.02	1.1	0.081	0	0	0	0	0	0	0	0
BC-1729_2	4	0	0	3.15	0.85	0.12	9.14	0.212	0	0	0	0	0	0	0	0
BC-1679_2	4	0	0	3.77	0.23	0.03	4.25	0.057	0	0	0	0	0	0	0	0
BC-1691_2	4	0	0	3.15	0.84	0.11	7.35	0.21	0	0	0	0	0	0	0	0
PO-1687	4	0	0	3.99	0.01	0	0.02	0.001	0	0	0	0	0	0	0	0
BC-1679_3	4	0	0	3.86	0.14	0.02	2.96	0.034	0	0	0	0	0	0	0	0
UT-30042417_1	4	0	0	3.58	0.41	0.05	5.95	0.104	0	0	0	0	0	0	0	0
UT-30042417_2	4	0	0	3.9	0.1	0.01	0.64	0.025	0	0	0	0	0	0	0	0
PO-2963_1	4	0	0	3.95	0.05	0.02	0.76	0.012	0	0	0	0	0	0	0	0
PO-1675	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
CC-J2994	4	0	0	3.99	0.01	0	0.04	0.001	0	0	0	0	0	0	0	0
CC-J2864_2	4	0	0	3.79	0.21	0.04	2.07	0.053	0	0	0	0	0	0	0	0
PO-2963_2	4	0	0	3.87	0.13	0.05	2.2	0.033	0	0	0	0	0	0	0	0
CC-J1693	4	0	0	3.99	0.01	0	0.03	0.001	0	0	0	0	0	0	0	0
PO-2960	4	0	0	4	0	0	0.01	0	0	0	0	0	0	0	0	0
BC-1770_1	4	0	0	3.64	0.36	0.11	9.61	0.089	0	0	0	0	0	0	0	0
BC-1681	4	0	0	3.31	0.69	0.06	4.45	0.173	0	0	0	0	0	0	0	0
BC-1721_1	4	0	0	2.78	1.22	0.23	20.11	0.304	0	0	0	0	0	0	0	0
BC-1707_2	4	0	0	2.84	1.15	0.24	15.56	0.287	0	0	0	0	0	0	0	0
BC-1713_1	4	0	0	2.08	1.91	0.18	11.35	0.478	0	0	0	0	0	0	0	0
CC-J1699	4	0	0	3.44	0.56	0.08	4.11	0.139	0	0	0	0	0	0	0	0
CC-J46_1	4	0	0	3.71	0.29	0.02	3.79	0.073	0	0	0	0	0	0	0	0
CC-J1719	4	0	0	2.99	0.99	0.24	11.47	0.249	0	0	0	0	0	0	0	0
CC-J112	4	0	0	2.7	1.29	0.06	4.34	0.323	0	0	0	0	0	0	0	0
CC-MASJ3041_1	4	0	0	3.75	0.25	0.03	1.36	0.062	0	0	0	0	0	0	0	0
CC-J46_2	4	0	0	3.68	0.32	0.02	2.76	0.079	0	0	0	0	0	0	0	0
CC-J3002_1	4	0	0	3.99	0.01	0	0.15	0.002	0	0	0	0	0	0	0	0
CC-J3002_2	4	0	0	3.99	0.01	0	0.02	0.001	0	0	0	0	0	0	0	0
CC-MASJ140_1	4	0	0	3.27	0.72	0.04	1.87	0.18	0	0	0	0	0	0	0	0
CC-M31042417_1	4	0	0	3.98	0.02	0	0.13	0.005	0	0	0	0	0	0	0	0
CC-J3001_1	4	0	0	3.88	0.12	0.03	3.68	0.029	0	0	0	0	0	0	0	0
BC-1713_2	4	0	0	2.99	1.01	0.19	13.12	0.251	0	0	0	0	0	0	0	0
CC-J46_3	4	0	0	3.99	0.01	0	0.02	0.001	0	0	0	0	0	0	0	0
CC-J3001_2	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
CC-M31042417_2	4	0	0	4	0	0	0.01	0	0	0	0	0	0	0	0	0
CC-J2864_3	4	0	0	2.76	1.23	0.2	14.75	0.308	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2923_1	4	0	0	3.13	0.86	0.13	6.06	0.214	0	0	0	0	0	0	0	0
BC-1707_3	4	0	0	2.66	1.33	0.25	14.25	0.333	0	0	0	0	0	0	0	0
CC-J1763_1	4	0	0	4	0	0	0.07	0.001	0	0	0	0	0	0	0	0
BC-1721_2	4	0	0	3.06	0.93	0.06	4.88	0.233	0	0	0	0	0	0	0	0
BC-1735	4	0	0	3.23	0.77	0.16	14.68	0.193	0	0	0	0	0	0	0	0
BC-1780	4	0	0	3.06	0.94	0.13	10.75	0.235	0	0	0	0	0	0	0	0
CC-J2949	4	0	0	3.96	0.04	0	0.2	0.009	0	0	0	0	0	0	0	0
CC-J2923_2	4	0	0	3.72	0.28	0.06	2.81	0.069	0	0	0	0	0	0	0	0
BC-1745	4	0	0	3.14	0.86	0.07	6.08	0.214	0	0	0	0	0	0	0	0
CC-J2832_1	4	0	0	2.99	1	0.13	6.09	0.25	0	0	0	0	0	0	0	0
CC-J1776_1	4	0	0	2.7	1.28	0.13	6.29	0.32	0	0	0	0	0	0	0	0
CC-J39_1	4	0	0	3.96	0.04	0	0.18	0.01	0	0	0	0	0	0	0	0
CC-J3002_3	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
CC-J2846_1	4	0	0	3.59	0.4	0.11	5.29	0.101	0	0	0	0	0	0	0	0
CC-MASJ140_2	4	0	0	3.99	0.01	0	0.04	0.002	0	0	0	0	0	0	0	0
CC-J2923_3	4	0	0	3.31	0.68	0.06	2.92	0.17	0	0	0	0	0	0	0	0
BC-1758_1	4	0	0	2.96	1.03	0.09	7.05	0.258	0	0	0	0	0	0	0	0
BC-1758_2	4	0	0	2.64	1.35	0.15	11.13	0.338	0	0	0	0	0	0	0	0
CC-J39_2	4	0	0	3.88	0.12	0.01	0.59	0.029	0	0	0	0	0	0	0	0
CC-J41	4	0	0	3.99	0.01	0	0.07	0.002	0	0	0	0	0	0	0	0
BC-1721_3	4	0	0	2.6	1.4	0.11	7.97	0.349	0	0	0	0	0	0	0	0
BC-1758_3	4	0	0	2.54	1.46	0.12	9.37	0.365	0	0	0	0	0	0	0	0
CC-M31042417_3	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
CC-J47_1	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
CC-J1819	4	0	0	3.38	0.62	0.2	19.03	0.154	0	0	0	0	0	0	0	0
UT-32042417	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
CC-J2864_4	4	0	0	2.38	1.61	0.38	24.82	0.403	0	0	0	0	0	0	0	0
CC-MASJ140_3	4	0	0	3.97	0.02	0	0.13	0.006	0	0	0	0	0	0	0	0
BC-2901	4	0	0	3.24	0.76	0.03	2.29	0.19	0	0	0	0	0	0	0	0
PO-2963_3	4	0	0	3.66	0.33	0.04	2.04	0.083	0	0	0	0	0	0	0	0
CC-J2846_2	4	0	0	3.48	0.52	0.14	6.73	0.129	0	0	0	0	0	0	0	0
CC-J46_4	4	0	0	3.81	0.18	0.02	0.98	0.046	0	0	0	0	0	0	0	0
CC-J2999	4	0	0	3.86	0.14	0.02	0.94	0.036	0	0	0	0	0	0	0	0
CC-MASJ3041_2	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
CC-J1776_2	4	0	0	3.95	0.05	0.01	0.31	0.012	0	0	0	0	0	0	0	0
CC-MASJ3041_3	4	0	0	3.97	0.03	0	1.24	0.007	0	0	0	0	0	0	0	0
CC-J2832_2	4	0	0	3.65	0.34	0.03	1.56	0.085	0	0	0	0	0	0	0	0
CC-J1763_2	4	0	0	3.98	0.02	0	0.08	0.006	0	0	0	0	0	0	0	0
BC-1824_1	4	0	0	3.02	0.98	0.16	10.46	0.245	0	0	0	0	0	0	0	0
CC-J2832_3	4	0	0	3.41	0.58	0.04	1.95	0.146	0	0	0	0	0	0	0	0
CC-J3001_3	4	0	0	3.75	0.25	0.05	2.49	0.062	0	0	0	0	0	0	0	0
CC-J2923_4	4	0	0	3.6	0.4	0.06	2.74	0.099	0	0	0	0	0	0	0	0
CC-J2923_5	4	0	0	3.82	0.18	0.04	1.72	0.045	0	0	0	0	0	0	0	0
CC-J3001_4	4	0	0	3.06	0.94	0.11	9.21	0.234	0	0	0	0	0	0	0	0
CC-J60_1	4	0	0	2.75	1.24	0.21	11.64	0.309	0	0	0	0	0	0	0	0
CC-J2978_1	4	0	0	3.97	0.03	0	0.11	0.007	0	0	0	0	0	0	0	0
CC-J2991	4	0	0	3.62	0.38	0.07	3.49	0.094	0	0	0	0	0	0	0	0
CC-J2971_1	4	0	0	3.99	0	0	0.02	0.001	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-MASJ2948	4	0	0	2.64	1.36	0.4	30.54	0.339	0	0	0	0	0	0	0	0
CC-J45	4	0	0	2.26	1.72	0.16	10.04	0.431	0	0	0	0	0	0	0	0
BC-1793_1	4	0	0	2.78	1.21	0.17	12.38	0.304	0	0	0	0	0	0	0	0
CC-J2971_2	4	0	0	3.86	0.14	0.01	0.46	0.035	0	0	0	0	0	0	0	0
BC-1797_1	4	0	0	3.36	0.64	0.08	6.1	0.159	0	0	0	0	0	0	0	0
CC-J47_2	4	0	0	3.86	0.14	0.01	2.44	0.036	0	0	0	0	0	0	0	0
CC-J68	4	0	0	3.03	0.96	0.26	18.61	0.241	0	0	0	0	0	0	0	0
BC-1770_2	4	0	0	3.08	0.91	0.12	9.27	0.229	0	0	0	0	0	0	0	0
BC-1795	4	0	0	3.29	0.7	0.1	7.61	0.176	0	0	0	0	0	0	0	0
CC-J2832_4	4	0	0	3.99	0.01	0	0.05	0.003	0	0	0	0	0	0	0	0
CC-J1776_3	4	0	0	3.61	0.39	0.09	8.34	0.097	0	0	0	0	0	0	0	0
CC-J1842_1	4	0	0	3.67	0.32	0.11	5.2	0.081	0	0	0	0	0	0	0	0
CC-J2832_5	4	0	0	3.7	0.3	0.02	1.15	0.074	0	0	0	0	0	0	0	0
CC-MASJ1803	4	0	0	2.44	1.55	0.21	11.81	0.389	0	0	0	0	0	0	0	0
BC-1793_2	4	0	0	2.8	1.2	0.15	12.05	0.299	0	0	0	0	0	0	0	0
CC-J2971_3	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
CC-M33042417	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
BC-1797_2	4	0	0	3.16	0.83	0.11	8.67	0.208	0	0	0	0	0	0	0	0
BC-1817_1	4	0	0	2.37	1.63	0.17	13.63	0.407	0	0	0	0	0	0	0	0
CC-MASJ108	4	0	0	2.68	1.32	0.12	8.34	0.33	0	0	0	0	0	0	0	0
CC-J1815	4	0	0	2.88	1.11	0.18	15.31	0.279	0	0	0	0	0	0	0	0
CC-MASJ110	4	0	0	2.26	1.74	0.24	14.26	0.434	0	0	0	0	0	0	0	0
CC-J2978_2	4	0	0	3.99	0.01	0	0.02	0.003	0	0	0	0	0	0	0	0
CC-J2971_4	4	0	0	3.7	0.29	0.04	1.92	0.073	0	0	0	0	0	0	0	0
BC-1817_2	4	0	0	2.3	1.69	0.19	13.91	0.423	0	0	0	0	0	0	0	0
CC-J1846_1	4	0	0	2.59	1.41	0.25	16.89	0.352	0	0	0	0	0	0	0	0
CC-J1846_2	4	0	0	2.51	1.49	0.44	30.7	0.372	0	0	0	0	0	0	0	0
CC-J2971_5	4	0	0	2.87	1.13	0.54	44.76	0.283	0	0	0	0	0	0	0	0
CC-J2846_3	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
CC-J2832_6	4	0	0	2.62	1.38	0.17	13.73	0.344	0	0	0	0	0	0	0	0
CC-J2832_7	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0
BC-3524	4	0	0	3.14	0.86	0.08	8.4	0.215	0	0	0	0	0	0	0	0
CC-MASJ1801	4	0	0	2.28	1.71	0.14	10.93	0.428	0	0	0	0	0	0	0	0
CC-J2923_6	4	0	0	4	0	0	0.01	0	0	0	0	0	0	0	0	0
CC-J2832_8	4	0	0	3.18	0.81	0.09	9.13	0.204	0	0	0	0	0	0	0	0
CC-J2846_4	4	0	0	3.71	0.28	0.02	1.49	0.071	0	0	0	0	0	0	0	0
CC-J1844_1	4	0	0	2.55	1.44	0.14	14.26	0.361	0	0	0	0	0	0	0	0
CC-J2846_5	4	0	0	3.23	0.76	0.09	4.58	0.19	0	0	0	0	0	0	0	0
CC-J1831_1	4	0	0	2.8	1.2	0.09	9.1	0.3	0	0	0	0	0	0	0	0
BC-1817_3	4	0	0	2.41	1.58	0.12	8.85	0.396	0	0	0	0	0	0	0	0
CC-J1848_1	4	0	0	2.63	1.36	0.11	7.2	0.341	0	0	0	0	0	0	0	0
CC-J1848_2	4	0	0	2.5	1.49	0.21	14.23	0.373	0	0	0	0	0	0	0	0
CC-J2832_9	4	0	0	3.85	0.14	0.02	0.78	0.036	0	0	0	0	0	0	0	0
BC-1824_2	4	0	0	2.58	1.41	0.12	9.86	0.353	0	0	0	0	0	0	0	0
BC-1824_3	4	0	0	2.62	1.38	0.1	8.06	0.345	0	0	0	0	0	0	0	0
CC-J2835	4	0	0	2.86	1.13	0.08	6.77	0.283	0	0	0	0	0	0	0	0
CC-J60_2	4	0	0	2.27	1.72	0.23	11.31	0.429	0	0	0	0	0	0	0	0
CC-J1838	4	0	0	2.41	1.58	0.13	9.59	0.396	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2923_7	4	0	0	3.95	0.05	0.01	0.56	0.013	0	0	0	0	0	0	0	0
BC-3557	4	0	0	3.19	0.81	0.1	8.75	0.201	0	0	0	0	0	0	0	0
CC-J1829_1	4	0	0	2.52	1.47	0.1	7.23	0.369	0	0	0	0	0	0	0	0
CC-J2832_10	4	0	0	2.3	1.69	0.12	10.61	0.423	0	0	0	0	0	0	0	0
CC-J1829_2	4	0	0	2.72	1.27	0.14	8.52	0.318	0	0	0	0	0	0	0	0
BC-3561	4	0	0	3.4	0.6	0.06	2.54	0.149	0	0	0	0	0	0	0	0
BC-3564	4	0	0	3.26	0.74	0.06	6.2	0.185	0	0	0	0	0	0	0	0
CC-MASJ114	4	0	0	2.1	1.89	0.3	18.53	0.473	0	0	0	0	0	0	0	0
CC-J1842_2	4	0	0	3.26	0.74	0.06	4.16	0.185	0	0	0	0	0	0	0	0
CC-J1891_1	4	0	0	3.09	0.91	0.11	9.07	0.228	0	0	0	0	0	0	0	0
CC-J1831_2	4	0	0	3.48	0.52	0.1	6.13	0.129	0	0	0	0	0	0	0	0
CC-J1894	4	0	0	3.23	0.77	0.11	6.99	0.191	0	0	0	0	0	0	0	0
CC-J1850	4	0	0	2.59	1.41	0.11	11.21	0.352	0	0	0	0	0	0	0	0
CC-J1846_3	4	0	0	2.54	1.46	0.25	18.43	0.365	0	0	0	0	0	0	0	0
CC-J1842_3	4	0	0	3.53	0.46	0.08	8.23	0.116	0	0	0	0	0	0	0	0
CC-J1885_1	4	0	0	2.49	1.51	0.16	12.77	0.378	0	0	0	0	0	0	0	0
CC-J1852	4	0	0	2.56	1.44	0.08	6.63	0.36	0	0	0	0	0	0	0	0
CC-J1844_2	4	0	0	2.48	1.52	0.24	16.48	0.38	0	0	0	0	0	0	0	0
CC-J1881_1	4	0	0	2.49	1.5	0.23	15.47	0.376	0	0	0	0	0	0	0	0
CC-J1829_3	4	0	0	2.35	1.64	0.29	17.95	0.411	0	0	0	0	0	0	0	0
CC-J1871	4	0	0	2.6	1.4	0.17	14.04	0.351	0	0	0	0	0	0	0	0
CC-J1866_1	4	0	0	2.5	1.49	0.06	5.09	0.373	0	0	0	0	0	0	0	0
CC-J1881_2	4	0	0	2.73	1.27	0.23	19.68	0.318	0	0	0	0	0	0	0	0
CC-J1866_2	4	0	0	2.26	1.73	0.33	21.21	0.433	0	0	0	0	0	0	0	0
CC-J1866_3	4	0	0	2.08	1.91	0.31	21.71	0.477	0	0	0	0	0	0	0	0
CC-J1883	4	0	0	2.37	1.63	0.13	9.42	0.406	0	0	0	0	0	0	0	0
CC-J1855	4	0	0	2.52	1.47	0.12	7.72	0.368	0	0	0	0	0	0	0	0
CC-J1858	4	0	0	2.34	1.65	0.28	18.75	0.412	0	0	0	0	0	0	0	0
BC-3605	4	0	0	2.76	1.24	0.11	11.14	0.31	0	0	0	0	0	0	0	0
BC-3606	4	0	0	2.99	1.01	0.09	7.14	0.253	0	0	0	0	0	0	0	0
CC-J1889	4	0	0	2.92	1.07	0.11	6.3	0.268	0	0	0	0	0	0	0	0
CC-J2851_1	4	0	0	2.66	1.34	0.36	26.32	0.335	0	0	0	0	0	0	0	0
CC-J1860	4	0	0	2.62	1.37	0.18	13.34	0.344	0	0	0	0	0	0	0	0
CC-J1873_1	4	0	0	1.81	2.18	0.2	15.93	0.544	0	0	0	0	0	0	0	0
CC-J1900_1	4	0	0	2.57	1.43	0.1	7.54	0.356	0	0	0	0	0	0	0	0
CC-J1879_1	4	0	0	2.46	1.53	0.09	6.46	0.382	0	0	0	0	0	0	0	0
CC-J1907	4	0	0	3.19	0.8	0.12	11.52	0.201	0	0	0	0	0	0	0	0
CC-J1896	4	0	0	2.38	1.61	0.34	29.4	0.403	0	0	0	0	0	0	0	0
BC-3627	4	0	0	2.63	1.37	0.31	21.9	0.342	0	0	0	0	0	0	0	0
CC-J1873_2	4	0	0	2.47	1.52	0.22	17.89	0.381	0	0	0	0	0	0	0	0
CC-J1885_2	4	0	0	2.54	1.45	0.21	15.89	0.364	0	0	0	0	0	0	0	0
CC-J1885_3	4	0	0	2.47	1.52	0.12	8.76	0.38	0	0	0	0	0	0	0	0
CC-J1909_1	4	0	0	3.46	0.53	0.12	8.04	0.133	0	0	0	0	0	0	0	0
CC-J1905_1	4	0	0	2.52	1.48	0.39	28.45	0.37	0	0	0	0	0	0	0	0
CC-J1879_2	4	0	0	3.19	0.81	0.15	15.78	0.203	0	0	0	0	0	0	0	0
CC-J2851_2	4	0	0	2.82	1.18	0.09	6.74	0.295	0	0	0	0	0	0	0	0
BC-3638	4	0	0	3.06	0.94	0.19	13.08	0.236	0	0	0	0	0	0	0	0
CC-J1887	4	0	0	2.56	1.44	0.12	11.47	0.36	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1891_2	4	0	0	3.02	0.98	0.07	5.8	0.244	0	0	0	0	0	0	0	0
CC-J1891_3	4	0	0	3.43	0.57	0.11	9.35	0.143	0	0	0	0	0	0	0	0
CC-J2959	4	0	0	2.73	1.27	0.14	13.42	0.318	0	0	0	0	0	0	0	0
CC-J2860	4	0	0	2.5	1.5	0.22	18.7	0.375	0	0	0	0	0	0	0	0
CC-J2851_3	4	0	0	2.53	1.47	0.15	14.77	0.367	0	0	0	0	0	0	0	0
CC-J1947_1	4	0	0	3.49	0.5	0.04	5.04	0.126	0	0	0	0	0	0	0	0
CC-J2774	4	0	0	2.5	1.49	0.28	21.62	0.373	0	0	0	0	0	0	0	0
CC-J1900_2	4	0	0	2.63	1.37	0.21	18.85	0.342	0	0	0	0	0	0	0	0
CC-J1905_2	4	0	0	2.56	1.44	0.29	27.38	0.359	0	0	0	0	0	0	0	0
CC-J1905_3	4	0	0	2.44	1.56	0.11	11.58	0.39	0	0	0	0	0	0	0	0
CC-J1928_1	4	0	0	2.97	1.02	0.07	5.39	0.255	0	0	0	0	0	0	0	0
CC-J1926	4	0	0	2.44	1.56	0.13	12.9	0.39	0	0	0	0	0	0	0	0
BC-3668	4	0	0	2.61	1.39	0.31	24.69	0.348	0	0	0	0	0	0	0	0
CC-J3019	4	0	0	2.07	1.92	0.22	12.85	0.48	0	0	0	0	0	0	0	0
CC-J1928_2	4	0	0	3.49	0.5	0.07	5.31	0.126	0	0	0	0	0	0	0	0
CC-J1939	4	0	0	2.52	1.47	0.32	28.97	0.368	0	0	0	0	0	0	0	0
CC-J1909_2	4	0	0	3.68	0.31	0.03	3.19	0.078	0	0	0	0	0	0	0	0
CC-J1962_1	4	0	0	2.36	1.64	0.13	10.7	0.41	0	0	0	0	0	0	0	0
CC-J2829	4	0	0	2.78	1.21	0.25	15.77	0.303	0	0	0	0	0	0	0	0
CC-J3018	4	0	0	2.14	1.85	0.18	10.2	0.462	0	0	0	0	0	0	0	0
CC-J1917	4	0	0	3.41	0.58	0.12	9.7	0.145	0	0	0	0	0	0	0	0
CC-J2696	4	0	0	2.56	1.43	0.22	22.11	0.358	0	0	0	0	0	0	0	0
CC-J1971	4	0	0	2.35	1.65	0.38	30.8	0.412	0	0	0	0	0	0	0	0
CC-J1911	4	0	0	2.7	1.3	0.23	18.59	0.324	0	0	0	0	0	0	0	0
CC-J17_1	4	0	0	2.74	1.25	0.19	11.94	0.313	0	0	0	0	0	0	0	0
CC-J1922_1	4	0	0	2.86	1.14	0.1	6.8	0.286	0	0	0	0	0	0	0	0
CC-GR7_1	4	0	0	2.5	1.5	0.26	21	0.375	0	0	0	0	0	0	0	0
CC-J1920	4	0	0	2.47	1.53	0.17	11.97	0.382	0	0	0	0	0	0	0	0
CC-J1922_2	4	0	0	2.7	1.3	0.25	19.3	0.325	0	0	0	0	0	0	0	0
CC-J1922_3	4	0	0	2.75	1.25	0.22	17.8	0.312	0	0	0	0	0	0	0	0
CC-J1949_1	4	0	0	3.3	0.7	0.08	9.29	0.175	0	0	0	0	0	0	0	0
CC-J1962_2	4	0	0	2.52	1.48	0.21	14.71	0.37	0	0	0	0	0	0	0	0
CC-J1909_3	4	0	0	3.23	0.77	0.12	8.68	0.192	0	0	0	0	0	0	0	0
CC-J1941	4	0	0	3.45	0.55	0.06	5.84	0.136	0	0	0	0	0	0	0	0
CC-J17_2	4	0	0	3.08	0.92	0.08	6.15	0.229	0	0	0	0	0	0	0	0
CC-GR7_2	4	0	0	2.44	1.54	0.17	10.15	0.386	0	0	0	0	0	0	0	0
CC-J1985_1	4	0	0	3.29	0.71	0.05	4.51	0.177	0	0	0	0	0	0	0	0
CC-J2779	4	0	0	2.24	1.75	0.12	11.02	0.438	0	0	0	0	0	0	0	0
CC-J1932_1	4	0	0	2.4	1.59	0.29	19.02	0.398	0	0	0	0	0	0	0	0
CC-J1935	4	0	0	3.14	0.86	0.11	7.61	0.214	0	0	0	0	0	0	0	0
BC-3722	4	0	0	2.66	1.33	0.21	11.28	0.333	0	0	0	0	0	0	0	0
CC-J1964	4	0	0	2.59	1.41	0.11	10.5	0.352	0	0	0	0	0	0	0	0
CC-gr21_1	4	0	0	2.55	1.44	0.28	22.6	0.361	0	0	0	0	0	0	0	0
CC-J1947_2	4	0	0	3.06	0.93	0.16	12.94	0.234	0	0	0	0	0	0	0	0
CC-J1947_3	4	0	0	3.15	0.84	0.08	6.66	0.21	0	0	0	0	0	0	0	0
BC-3734	4	0	0	2.54	1.45	0.09	6.31	0.364	0	0	0	0	0	0	0	0
CC-J1945	4	0	0	2.56	1.44	0.15	7.68	0.359	0	0	0	0	0	0	0	0
CC-J1932_2	4	0	0	2.02	1.97	0.39	26.62	0.492	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1991_1	4	0	0	3.71	0.29	0.03	4.1	0.072	0	0	0	0	0	0	0	0
CC-J1966_1	4	0	0	3.02	0.98	0.07	7.15	0.245	0	0	0	0	0	0	0	0
CC-J1966_2	4	0	0	3.02	0.98	0.1	9.11	0.245	0	0	0	0	0	0	0	0
CC-J1989	4	0	0	2.44	1.56	0.16	12.64	0.389	0	0	0	0	0	0	0	0
CC-J1949_2	4	0	0	2.54	1.45	0.21	14.27	0.363	0	0	0	0	0	0	0	0
CC-gr21_2	4	0	0	2.59	1.41	0.21	15.97	0.352	0	0	0	0	0	0	0	0
CC-J1956	4	0	0	2.38	1.61	0.22	15.45	0.403	0	0	0	0	0	0	0	0
CC-J1985_2	4	0	0	3.49	0.5	0.05	3.41	0.126	0	0	0	0	0	0	0	0
CC-J24	4	0	0	3.28	0.71	0.12	8.71	0.178	0	0	0	0	0	0	0	0
CC-gr16	4	0	0	2.39	1.61	0.23	20.7	0.402	0	0	0	0	0	0	0	0
BC-3765	4	0	0	2.68	1.32	0.19	13.76	0.329	0	0	0	0	0	0	0	0
CC-J1991_2	4	0	0	2.79	1.21	0.27	19.65	0.302	0	0	0	0	0	0	0	0
CC-J2001_1	4	0	0	2.78	1.22	0.14	11.13	0.304	0	0	0	0	0	0	0	0
CC-J2694	4	0	0	2.33	1.67	0.13	11.85	0.417	0	0	0	0	0	0	0	0
CC-J1987	4	0	0	3.14	0.86	0.09	8.35	0.215	0	0	0	0	0	0	0	0
CC-J1997_1	4	0	0	2.56	1.44	0.12	11.66	0.36	0	0	0	0	0	0	0	0
CC-J20_1	4	0	0	3.25	0.75	0.05	3.35	0.186	0	0	0	0	0	0	0	0
CC-J2011_1	4	0	0	3.51	0.49	0.06	5.88	0.122	0	0	0	0	0	0	0	0
CC-J1997_2	4	0	0	2.48	1.52	0.31	24.34	0.379	0	0	0	0	0	0	0	0
CC-J20_2	4	0	0	2.93	1.06	0.12	8.49	0.266	0	0	0	0	0	0	0	0
CC-J2003	4	0	0	2.4	1.59	0.2	15.1	0.398	0	0	0	0	0	0	0	0
CC-J2005	4	0	0	3.39	0.6	0.09	7.97	0.15	0	0	0	0	0	0	0	0
CC-J2016	4	0	0	2.9	1.09	0.08	5.34	0.271	0	0	0	0	0	0	0	0
CC-J2022	4	0	0	2.14	1.84	0.31	19.54	0.461	0	0	0	0	0	0	0	0
CC-J2011_2	4	0	0	2.92	1.07	0.15	10.81	0.267	0	0	0	0	0	0	0	0
BC-3801	4	0	0	2.74	1.26	0.19	15.35	0.315	0	0	0	0	0	0	0	0
CC-J2776	4	0	0	3.1	0.9	0.2	21.02	0.225	0	0	0	0	0	0	0	0
CC-J2001_2	4	0	0	2.5	1.49	0.22	14.97	0.373	0	0	0	0	0	0	0	0
CC-J27_1	4	0	0	3.08	0.91	0.1	6	0.229	0	0	0	0	0	0	0	0
CC-J2030	4	0	0	2.92	1.07	0.19	19.32	0.268	0	0	0	0	0	0	0	0
CC-J2043_1	4	0	0	2.22	1.77	0.14	9.45	0.442	0	0	0	0	0	0	0	0
CC-J2032_1	4	0	0	3.19	0.8	0.11	10.08	0.2	0	0	0	0	0	0	0	0
CC-J27_2	4	0	0	2.72	1.27	0.1	7.5	0.317	0	0	0	0	0	0	0	0
CC-J2018_1	4	0	0	1.99	1.99	0.2	13.8	0.498	0	0	0	0	0	0	0	0
CC-J2024_1	4	0	0	3.15	0.84	0.15	8.94	0.211	0	0	0	0	0	0	0	0
CC-J2020_1	4	0	0	2.25	1.74	0.21	12.74	0.435	0	0	0	0	0	0	0	0
CC-J2823_1	4	0	0	2.94	1.05	0.08	6.39	0.262	0	0	0	0	0	0	0	0
CC-J2737_1	4	0	0	3.13	0.87	0.13	15.58	0.216	0	0	0	0	0	0	0	0
CC-J2737_2	4	0	0	2.28	1.71	0.16	10.51	0.427	0	0	0	0	0	0	0	0
CC-J2043_2	4	0	0	2.37	1.62	0.2	14.37	0.406	0	0	0	0	0	0	0	0
CC-gr14	4	0	0	2.44	1.55	0.17	13.22	0.389	0	0	0	0	0	0	0	0
CC-J2034_1	4	0	0	3.12	0.88	0.08	8.73	0.219	0	0	0	0	0	0	0	0
CC-J2045_1	4	0	0	2.62	1.38	0.16	17.3	0.345	0	0	0	0	0	0	0	0
CC-J2020_2	4	0	0	2.61	1.39	0.51	35.38	0.347	0	0	0	0	0	0	0	0
CC-J2020_3	4	0	0	2.07	1.92	0.18	13.16	0.479	0	0	0	0	0	0	0	0
CC-J14	4	0	0	3.23	0.77	0.11	9.2	0.192	0	0	0	0	0	0	0	0
CC-J2032_2	4	0	0	3.27	0.72	0.06	5.23	0.181	0	0	0	0	0	0	0	0
CC-J2753	4	0	0	2.37	1.62	0.26	21.99	0.405	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT1-2944_1	4	0	0	2.8	1.2	0.19	15.84	0.299	0	0	0	0	0	0	0	0
BC-3839	4	0	0	2.52	1.47	0.14	10.78	0.368	0	0	0	0	0	0	0	0
CC-J2823_2	4	0	0	2.72	1.27	0.21	12.87	0.318	0	0	0	0	0	0	0	0
CC-J2058	4	0	0	2.66	1.33	0.31	19.3	0.333	0	0	0	0	0	0	0	0
CC-J2705	4	0	0	2.08	1.91	0.16	12.09	0.476	0	0	0	0	0	0	0	0
CC-J2050_1	4	0	0	2.25	1.74	0.16	10.88	0.434	0	0	0	0	0	0	0	0
CC-J2018_2	4	0	0	2.3	1.69	0.33	23.38	0.423	0	0	0	0	0	0	0	0
CC-J2024_2	4	0	0	3.06	0.93	0.11	7.24	0.232	0	0	0	0	0	0	0	0
CC-J2034_2	4	0	0	2.82	1.17	0.12	8.99	0.293	0	0	0	0	0	0	0	0
CC-J2024_3	4	0	0	3.46	0.54	0.04	3.34	0.135	0	0	0	0	0	0	0	0
UT1-2944_2	4	0	0	2.6	1.4	0.18	18.57	0.351	0	0	0	0	0	0	0	0
CC-J2050_2	4	0	0	2.18	1.81	0.17	12.35	0.453	0	0	0	0	0	0	0	0
CC-J2045_2	4	0	0	2.52	1.47	0.17	15.92	0.368	0	0	0	0	0	0	0	0
CC-J2050_3	4	0	0	2.42	1.57	0.25	17.34	0.392	0	0	0	0	0	0	0	0
UT9-1_1	4	0	0	3.17	0.83	0.07	5.28	0.207	0	0	0	0	0	0	0	0
CC-J2071	4	0	0	2.13	1.86	0.2	13.33	0.466	0	0	0	0	0	0	0	0
UT9-1_2	4	0	0	3.47	0.52	0.08	9.3	0.131	0	0	0	0	0	0	0	0
UT9-104_1	4	0	0	3.3	0.7	0.16	9.44	0.174	0	0	0	0	0	0	0	0
CC-J2803	4	0	0	2.56	1.44	0.17	17.56	0.36	0	0	0	0	0	0	0	0
UT9-106_1	4	0	0	2.77	1.22	0.23	14.12	0.305	0	0	0	0	0	0	0	0
UT9-106_2	4	0	0	2.91	1.09	0.32	22.42	0.273	0	0	0	0	0	0	0	0
UT9-106_3	4	0	0	3.28	0.72	0.05	4.14	0.179	0	0	0	0	0	0	0	0
CC-J2087	4	0	0	2.85	1.14	0.28	23.2	0.285	0	0	0	0	0	0	0	0
CC-J2024_4	4	0	0	2.09	1.89	0.14	10.26	0.473	0	0	0	0	0	0	0	0
CC-J2060	4	0	0	3.43	0.57	0.16	12.72	0.142	0	0	0	0	0	0	0	0
UT1-2802	4	0	0	1.52	2.46	0.19	11.74	0.614	0	0	0	0	0	0	0	0
UT9-1_3	4	0	0	3.38	0.61	0.08	6.56	0.153	0	0	0	0	0	0	0	0
CC-J2692	4	0	0	2.08	1.91	0.35	27.88	0.477	0	0	0	0	0	0	0	0
CC-J2096	4	0	0	2.53	1.46	0.14	8.27	0.365	0	0	0	0	0	0	0	0
CC-J2112_1	4	0	0	2.69	1.31	0.32	27.73	0.328	0	0	0	0	0	0	0	0
UT1-2098_1	4	0	0	2.59	1.41	0.22	17.75	0.352	0	0	0	0	0	0	0	0
UT2-2107_1	4	0	0	2.69	1.31	0.14	10.93	0.328	0	0	0	0	0	0	0	0
BC-3906	4	0	0	2.67	1.33	0.2	9.9	0.332	0	0	0	0	0	0	0	0
CC-J3020	4	0	0	2.38	1.62	0.31	20.14	0.404	0	0	0	0	0	0	0	0
UT9-109_1	4	0	0	3.49	0.51	0.16	16.27	0.128	0	0	0	0	0	0	0	0
CC-J1	4	0	0	2.76	1.23	0.14	8.77	0.307	0	0	0	0	0	0	0	0
CC-J2076_1	4	0	0	2.53	1.46	0.26	15.51	0.366	0	0	0	0	0	0	0	0
CC-J2997	4	0	0	2.6	1.4	0.16	12.79	0.35	0	0	0	0	0	0	0	0
UT2-2107_2	4	0	0	2.53	1.47	0.14	8.3	0.367	0	0	0	0	0	0	0	0
UT9-9	4	0	0	3.72	0.28	0.04	6.7	0.07	0	0	0	0	0	0	0	0
UT9-6_1	4	0	0	3.76	0.24	0.02	3.33	0.059	0	0	0	0	0	0	0	0
CC-J2995_1	4	0	0	2.67	1.33	0.25	21.37	0.332	0	0	0	0	0	0	0	0
UT9-104_2	4	0	0	3.42	0.57	0.04	2.77	0.143	0	0	0	0	0	0	0	0
UT9-104_3	4	0	0	3.48	0.52	0.06	3.87	0.13	0	0	0	0	0	0	0	0
UT9-5_1	4	0	0	2.81	1.18	0.15	9.78	0.294	0	0	0	0	0	0	0	0
CC-J2076_2	4	0	0	2.46	1.53	0.12	10.58	0.383	0	0	0	0	0	0	0	0
CC-J2101_1	4	0	0	2.82	1.18	0.26	12.18	0.294	0	0	0	0	0	0	0	0
UT9-90_1	4	0	0	2.98	1.01	0.2	12.8	0.252	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT1-2089_1	4	0	0	2.76	1.24	0.1	8.73	0.309	0	0	0	0	0	0	0	0
UT9-106_4	4	0	0	3.33	0.67	0.06	6.51	0.168	0	0	0	0	0	0	0	0
UT9-3	4	0	0	3.53	0.46	0.05	5.96	0.116	0	0	0	0	0	0	0	0
UT1-2089_2	4	0	0	2.85	1.15	0.26	20.63	0.287	0	0	0	0	0	0	0	0
CC-J2116_1	4	0	0	3.2	0.8	0.17	14.57	0.199	0	0	0	0	0	0	0	0
UT2-2125	4	0	0	2.72	1.28	0.25	23.07	0.321	0	0	0	0	0	0	0	0
UT2-2107_3	4	0	0	2.74	1.26	0.13	13.98	0.315	0	0	0	0	0	0	0	0
UT2-2107_4	4	0	0	2.82	1.18	0.1	8.53	0.294	0	0	0	0	0	0	0	0
CC-J2103_1	4	0	0	3.18	0.81	0.11	9.89	0.203	0	0	0	0	0	0	0	0
CC-J2094_1	4	0	0	2.13	1.86	0.22	12.69	0.464	0	0	0	0	0	0	0	0
CC-J2094_2	4	0	0	2.46	1.53	0.09	8.11	0.384	0	0	0	0	0	0	0	0
UT9-92_1	4	0	0	2.87	1.13	0.29	26.65	0.283	0	0	0	0	0	0	0	0
CC-J2101_2	4	0	0	2.7	1.3	0.13	10.95	0.325	0	0	0	0	0	0	0	0
UT9-151	4	0	0	2.86	1.13	0.1	6.12	0.283	0	0	0	0	0	0	0	0
UT9-5_2	4	0	0	2.9	1.09	0.1	7	0.273	0	0	0	0	0	0	0	0
CC-J2101_3	4	0	0	2.67	1.33	0.1	7.34	0.332	0	0	0	0	0	0	0	0
UT1-2098_2	4	0	0	2.85	1.15	0.11	8.24	0.286	0	0	0	0	0	0	0	0
UT9-109_2	4	0	0	2.88	1.12	0.07	6.02	0.28	0	0	0	0	0	0	0	0
UT9-114	4	0	0	3.74	0.26	0.07	7.77	0.064	0	0	0	0	0	0	0	0
CC-J2103_2	4	0	0	3.25	0.75	0.05	5.49	0.188	0	0	0	0	0	0	0	0
UT9-2_1	4	0	0	3.54	0.45	0.06	4.81	0.113	0	0	0	0	0	0	0	0
UT2-2107_5	4	0	0	2.91	1.09	0.13	8.34	0.272	0	0	0	0	0	0	0	0
CC-J2116_2	4	0	0	3.42	0.58	0.04	5.34	0.145	0	0	0	0	0	0	0	0
CC-J2116_3	4	0	0	2.93	1.06	0.09	6.96	0.265	0	0	0	0	0	0	0	0
CC-J2112_2	4	0	0	2.59	1.4	0.1	5.9	0.351	0	0	0	0	0	0	0	0
UT1-2121	4	0	0	2.84	1.16	0.14	10.9	0.289	0	0	0	0	0	0	0	0
CC-J2114_1	4	0	0	2.33	1.66	0.14	9.25	0.415	0	0	0	0	0	0	0	0
CC-J2140	4	0	0	2.91	1.09	0.09	7.98	0.272	0	0	0	0	0	0	0	0
UT9-109_3	4	0	0	3.32	0.68	0.09	11.6	0.171	0	0	0	0	0	0	0	0
CC-MASJ2149	4	0	0	2.65	1.34	0.16	11.9	0.336	0	0	0	0	0	0	0	0
CC-J2123	4	0	0	2.42	1.57	0.12	8.94	0.393	0	0	0	0	0	0	0	0
UT1-2878_1	4	0	0	2.3	1.7	0.09	6.74	0.425	0	0	0	0	0	0	0	0
CC-J2136_1	4	0	0	3.18	0.82	0.08	7.59	0.204	0	0	0	0	0	0	0	0
UT9-4_1	4	0	0	3.38	0.61	0.06	6.25	0.154	0	0	0	0	0	0	0	0
UT2-2134	4	0	0	2.82	1.18	0.12	9.83	0.295	0	0	0	0	0	0	0	0
CC-J2160_1	4	0	0	2.45	1.54	0.21	11.88	0.385	0	0	0	0	0	0	0	0
CC-J2114_2	4	0	0	2.81	1.18	0.12	8.29	0.296	0	0	0	0	0	0	0	0
CC-J2995_2	4	0	0	2.66	1.34	0.11	7.61	0.335	0	0	0	0	0	0	0	0
CC-J2136_2	4	0	0	3.01	0.99	0.09	8.9	0.247	0	0	0	0	0	0	0	0
UT1-2183	4	0	0	2.7	1.3	0.34	30.4	0.325	0	0	0	0	0	0	0	0
CC-J2136_3	4	0	0	3.32	0.68	0.05	6.54	0.17	0	0	0	0	0	0	0	0
UT2-2153	4	0	0	2.83	1.17	0.11	8.67	0.294	0	0	0	0	0	0	0	0
CC-J2158	4	0	0	2.5	1.5	0.14	10.45	0.375	0	0	0	0	0	0	0	0
CC-MASJ2814	4	0	0	2.37	1.62	0.04	3.98	0.406	0	0	0	0	0	0	0	0
UT6-11_1	4	0	0	2.2	1.78	0.17	9.83	0.445	0	0	0	0	0	0	0	0
CC-MASJ2187	4	0	0	2.87	1.13	0.23	18.62	0.283	0	0	0	0	0	0	0	0
UT9-12	4	0	0	3.33	0.67	0.24	25.29	0.167	0	0	0	0	0	0	0	0
CC-J2160_2	4	0	0	2.71	1.28	0.1	6.06	0.321	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT1-2878_2	4	0	0	2.4	1.59	0.21	17.87	0.398	0	0	0	0	0	0	0	0
UT1-2878_3	4	0	0	2.94	1.06	0.12	7.26	0.266	0	0	0	0	0	0	0	0
CC-J2170_1	4	0	0	2.5	1.5	0.23	15.26	0.375	0	0	0	0	0	0	0	0
CC-J2170_2	4	0	0	2.79	1.21	0.09	7.09	0.302	0	0	0	0	0	0	0	0
UT2-2162_1	4	0	0	2.86	1.14	0.13	9.61	0.285	0	0	0	0	0	0	0	0
CC-J2174	4	0	0	2.53	1.46	0.1	6.9	0.366	0	0	0	0	0	0	0	0
UT9-92_2	4	0	0	3.19	0.8	0.07	5.06	0.2	0	0	0	0	0	0	0	0
UT9-18_1	4	0	0	3.69	0.3	0.04	7.13	0.076	0	0	0	0	0	0	0	0
UT9-101_1	4	0	0	2.49	1.5	0.19	10.89	0.375	0	0	0	0	0	0	0	0
UT9-6_2	4	0	0	3.52	0.48	0.07	8.65	0.119	0	0	0	0	0	0	0	0
CC-J2185_1	4	0	0	2.63	1.37	0.15	10.35	0.343	0	0	0	0	0	0	0	0
CC-J2729	4	0	0	2.45	1.55	0.15	11.4	0.387	0	0	0	0	0	0	0	0
CC-MASJ2703_1	4	0	0	2.72	1.28	0.14	13.87	0.32	0	0	0	0	0	0	0	0
UT9-7	4	0	0	3.51	0.48	0.05	4.82	0.121	0	0	0	0	0	0	0	0
UT2-2162_2	4	0	0	2.78	1.22	0.12	11.04	0.306	0	0	0	0	0	0	0	0
UT1-2197	4	0	0	2.82	1.18	0.2	19.95	0.295	0	0	0	0	0	0	0	0
UT2-2220	4	0	0	2.77	1.23	0.31	28.19	0.309	0	0	0	0	0	0	0	0
CC-J2170_3	4	0	0	2.76	1.24	0.1	7.85	0.31	0	0	0	0	0	0	0	0
UT6-19_1	4	0	0	3.14	0.85	0.11	9.38	0.214	0	0	0	0	0	0	0	0
CC-MASJ2703_2	4	0	0	2.43	1.57	0.11	9.23	0.392	0	0	0	0	0	0	0	0
UT9-92_3	4	0	0	3.49	0.51	0.06	7.8	0.126	0	0	0	0	0	0	0	0
UT9-8	4	0	0	3.08	0.91	0.08	7.26	0.228	0	0	0	0	0	0	0	0
UT1-2243_1	4	0	0	2.88	1.12	0.13	9.29	0.28	0	0	0	0	0	0	0	0
CC-MASJ2191	4	0	0	2.48	1.51	0.25	17.67	0.377	0	0	0	0	0	0	0	0
UT9-2_2	4	0	0	3.66	0.34	0.04	4.14	0.085	0	0	0	0	0	0	0	0
CC-J2227_1	4	0	0	2.52	1.47	0.27	23.62	0.369	0	0	0	0	0	0	0	0
CC-J2185_2	4	0	0	2.58	1.41	0.29	19.26	0.354	0	0	0	0	0	0	0	0
CC-J2216_1	4	0	0	2.62	1.38	0.17	9.53	0.344	0	0	0	0	0	0	0	0
CC-J2227_2	4	0	0	2.45	1.54	0.12	9.31	0.385	0	0	0	0	0	0	0	0
UT9-4_2	4	0	0	3.58	0.42	0.1	10.68	0.105	0	0	0	0	0	0	0	0
UT9-10	4	0	0	3.32	0.68	0.12	9.63	0.169	0	0	0	0	0	0	0	0
CC-J2214	4	0	0	2.74	1.26	0.2	14.04	0.314	0	0	0	0	0	0	0	0
CC-J2237_1	4	0	0	2.17	1.82	0.24	19.43	0.455	0	0	0	0	0	0	0	0
UT9-13_1	4	0	0	3.54	0.46	0.06	5.12	0.115	0	0	0	0	0	0	0	0
UT1-2207	4	0	0	2.7	1.29	0.2	14.87	0.324	0	0	0	0	0	0	0	0
CC-J2223_1	4	0	0	2.62	1.38	0.09	7.08	0.344	0	0	0	0	0	0	0	0
UT6-11_2	4	0	0	3.4	0.6	0.26	21.47	0.15	0	0	0	0	0	0	0	0
CC-J2807	4	0	0	2.75	1.25	0.16	15.31	0.314	0	0	0	0	0	0	0	0
UT9-13_2	4	0	0	3.16	0.84	0.12	9.34	0.209	0	0	0	0	0	0	0	0
UT9-90_2	4	0	0	3.65	0.35	0.04	5.88	0.088	0	0	0	0	0	0	0	0
UT6-19_2	4	0	0	2.79	1.2	0.15	8.11	0.3	0	0	0	0	0	0	0	0
UT6-19_3	4	0	0	3.25	0.75	0.07	7	0.187	0	0	0	0	0	0	0	0
UT6-109	4	0	0	3.54	0.46	0.06	6.07	0.115	0	0	0	0	0	0	0	0
UT1-2243_2	4	0	0	2.31	1.68	0.21	15.79	0.42	0	0	0	0	0	0	0	0
UT1-2243_3	4	0	0	2.75	1.25	0.15	11.35	0.312	0	0	0	0	0	0	0	0
CC-J2246	4	0	0	2.51	1.48	0.16	15.74	0.371	0	0	0	0	0	0	0	0
UT6-11_3	4	0	0	3.18	0.81	0.07	7.68	0.203	0	0	0	0	0	0	0	0
UT9-18_2	4	0	0	3.58	0.42	0.03	4.28	0.105	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2290_1	4	0	0	2.64	1.36	0.19	14.91	0.34	0	0	0	0	0	0	0	0
UT9-18_3	4	0	0	3.51	0.48	0.05	5.42	0.121	0	0	0	0	0	0	0	0
UT1-2250_1	4	0	0	2.47	1.52	0.45	35.97	0.38	0	0	0	0	0	0	0	0
CC-J2223_2	4	0	0	2.8	1.2	0.15	10.92	0.299	0	0	0	0	0	0	0	0
UT9-90_3	4	0	0	3.23	0.77	0.06	6.89	0.192	0	0	0	0	0	0	0	0
UT6-19_4	4	0	0	3.53	0.46	0.07	5.67	0.116	0	0	0	0	0	0	0	0
CC-J2216_2	4	0	0	2.77	1.23	0.17	12.39	0.308	0	0	0	0	0	0	0	0
UT4-170	4	0	0	2.51	1.48	0.42	28.81	0.371	0	0	0	0	0	0	0	0
CC-J3_1	4	0	0	2.04	1.94	0.21	14.89	0.486	0	0	0	0	0	0	0	0
UT9-92_4	4	0	0	3.29	0.71	0.08	9.26	0.177	0	0	0	0	0	0	0	0
UT2-2252_1	4	0	0	2.86	1.14	0.1	7.64	0.285	0	0	0	0	0	0	0	0
CC-J2272	4	0	0	2.58	1.42	0.13	9.21	0.355	0	0	0	0	0	0	0	0
CC-J2269	4	0	0	2.6	1.4	0.27	19.09	0.349	0	0	0	0	0	0	0	0
CC-J2237_2	4	0	0	2.78	1.21	0.14	12.22	0.303	0	0	0	0	0	0	0	0
UT9-90_4	4	0	0	3.61	0.39	0.05	6.02	0.097	0	0	0	0	0	0	0	0
UT9-92_5	4	0	0	3.31	0.69	0.13	13.43	0.172	0	0	0	0	0	0	0	0
UT2-2252_2	4	0	0	2.72	1.28	0.18	16.31	0.319	0	0	0	0	0	0	0	0
UT2-2252_3	4	0	0	2.8	1.2	0.16	13.34	0.3	0	0	0	0	0	0	0	0
UT6-152	4	0	0	3.54	0.46	0.09	7.51	0.114	0	0	0	0	0	0	0	0
UT1-2250_2	4	0	0	2.39	1.6	0.22	12.29	0.401	0	0	0	0	0	0	0	0
UT9-86_1	4	0	0	3.43	0.57	0.12	15.06	0.142	0	0	0	0	0	0	0	0
CC-J2274	4	0	0	2.45	1.55	0.16	11.92	0.387	0	0	0	0	0	0	0	0
UT9-92_6	4	0	0	3.65	0.35	0.07	8.03	0.088	0	0	0	0	0	0	0	0
UT9-101_2	4	0	0	3.17	0.83	0.08	8.08	0.207	0	0	0	0	0	0	0	0
UT9-101_3	4	0	0	3.3	0.7	0.15	14.34	0.174	0	0	0	0	0	0	0	0
UT9-24	4	0	0	3.02	0.97	0.12	8.81	0.243	0	0	0	0	0	0	0	0
CC-J2290_2	4	0	0	2.38	1.61	0.28	18.97	0.402	0	0	0	0	0	0	0	0
UT3-20_1	4	0	0	2.47	1.53	0.56	41.03	0.382	0	0	0	0	0	0	0	0
UT9-17_1	4	0	0	2.98	1.01	0.1	8.42	0.253	0	0	0	0	0	0	0	0
UT9-17_2	4	0	0	3.3	0.69	0.18	16.07	0.174	0	0	0	0	0	0	0	0
UT9-17_3	4	0	0	3.3	0.69	0.11	9.72	0.173	0	0	0	0	0	0	0	0
UT9-13_3	4	0	0	3.29	0.71	0.13	10.59	0.177	0	0	0	0	0	0	0	0
UT9-88_1	4	0	0	3.48	0.51	0.06	7.53	0.129	0	0	0	0	0	0	0	0
UT4-15	4	0	0	2.56	1.43	0.12	9.41	0.358	0	0	0	0	0	0	0	0
UT4-23_1	4	0	0	2.65	1.34	0.23	23.4	0.336	0	0	0	0	0	0	0	0
UT4-14	4	0	0	2.11	1.88	0.14	9.3	0.469	0	0	0	0	0	0	0	0
UT9-88_2	4	0	0	3.52	0.48	0.09	8.69	0.121	0	0	0	0	0	0	0	0
UT4-23_2	4	0	0	2.7	1.3	0.12	11.72	0.325	0	0	0	0	0	0	0	0
CC-J3_2	4	0	0	2.89	1.11	0.16	14.97	0.278	0	0	0	0	0	0	0	0
UT4-35_1	4	0	0	2.61	1.38	0.11	9.32	0.346	0	0	0	0	0	0	0	0
UT4-35_2	4	0	0	2.73	1.27	0.16	11.23	0.316	0	0	0	0	0	0	0	0
UT4-23_3	4	0	0	2.61	1.39	0.21	14.21	0.347	0	0	0	0	0	0	0	0
CC-J3_3	4	0	0	2.93	1.07	0.09	7.07	0.268	0	0	0	0	0	0	0	0
UT9-86_2	4	0	0	3.54	0.46	0.05	6.36	0.115	0	0	0	0	0	0	0	0
UT3-30_1	4	0	0	2.78	1.22	0.23	14.78	0.306	0	0	0	0	0	0	0	0
UT9-22	4	0	0	3.47	0.53	0.08	7.97	0.132	0	0	0	0	0	0	0	0
UT9-88_3	4	0	0	3.53	0.47	0.08	9.26	0.117	0	0	0	0	0	0	0	0
UT4-35_3	4	0	0	2.62	1.37	0.3	23.25	0.343	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT3-31	4	0	0	2.6	1.4	0.33	32.1	0.35	0	0	0	0	0	0	0	0
UT6-150	4	0	0	3.66	0.34	0.03	3.71	0.085	0	0	0	0	0	0	0	0
UT6-34_1	4	0	0	3.02	0.98	0.17	17.99	0.246	0	0	0	0	0	0	0	0
UT4-40_1	4	0	0	2.58	1.42	0.31	22.22	0.355	0	0	0	0	0	0	0	0
UT8-102_1	4	0	0	3.43	0.57	0.21	25.04	0.142	0	0	0	0	0	0	0	0
UT6-27	4	0	0	3.69	0.31	0.06	8.74	0.078	0	0	0	0	0	0	0	0
UT6-2_Rev_1	4	0	0	3.62	0.38	0.07	7.03	0.095	0	0	0	0	0	0	0	0
UT6-26_1	4	0	0	3.11	0.88	0.1	7.38	0.221	0	0	0	0	0	0	0	0
UT6-34_2	4	0	0	3.6	0.4	0.03	3.21	0.1	0	0	0	0	0	0	0	0
UT6-143	4	0	0	3.68	0.32	0.03	3.06	0.079	0	0	0	0	0	0	0	0
UT6-110_1	4	0	0	3.62	0.38	0.05	6.58	0.095	0	0	0	0	0	0	0	0
UT3-20_2	4	0	0	2.64	1.35	0.16	11.16	0.339	0	0	0	0	0	0	0	0
UT4-32	4	0	0	2.36	1.63	0.19	11.67	0.408	0	0	0	0	0	0	0	0
UT6-33_1	4	0	0	3.43	0.57	0.08	11.79	0.143	0	0	0	0	0	0	0	0
UT8-94	4	0	0	3.3	0.7	0.11	12.72	0.175	0	0	0	0	0	0	0	0
UT8-98_1	4	0	0	3.45	0.55	0.05	6.05	0.137	0	0	0	0	0	0	0	0
UT4-42	4	0	0	2.72	1.28	0.09	7.73	0.321	0	0	0	0	0	0	0	0
UT3-13	4	0	0	2.95	1.05	0.16	13.69	0.262	0	0	0	0	0	0	0	0
UT3-39	4	0	0	2.46	1.53	0.11	8.02	0.384	0	0	0	0	0	0	0	0
UT3-180_1	4	0	0	2.97	1.03	0.11	8.47	0.257	0	0	0	0	0	0	0	0
UT3-162	4	0	0	2.84	1.16	0.19	16.11	0.289	0	0	0	0	0	0	0	0
UT6-2_Rev_2	4	0	0	3.75	0.24	0.02	2.67	0.061	0	0	0	0	0	0	0	0
UT4-38	4	0	0	2.74	1.26	0.33	19.74	0.314	0	0	0	0	0	0	0	0
UT6-33_2	4	0	0	3.36	0.64	0.08	10.37	0.16	0	0	0	0	0	0	0	0
UT6-34_3	4	0	0	3.03	0.96	0.15	11.02	0.24	0	0	0	0	0	0	0	0
UT6-135	4	0	0	3.16	0.84	0.06	5.35	0.209	0	0	0	0	0	0	0	0
UT8-98_2	4	0	0	3.4	0.6	0.08	6.91	0.15	0	0	0	0	0	0	0	0
UT3-5_Rev_1	4	0	0	2.23	1.77	0.13	9.41	0.441	0	0	0	0	0	0	0	0
UT6-184	4	0	0	3.55	0.45	0.14	16.68	0.112	0	0	0	0	0	0	0	0
UT6-26_2	4	0	0	3.15	0.85	0.09	7.98	0.212	0	0	0	0	0	0	0	0
UT4-107_1	4	0	0	2.68	1.32	0.22	23.58	0.33	0	0	0	0	0	0	0	0
UT9-86_3	4	0	0	3.59	0.41	0.07	4.55	0.103	0	0	0	0	0	0	0	0
UT4-35_4	4	0	0	2.58	1.42	0.14	11.82	0.355	0	0	0	0	0	0	0	0
UT6-37_1	4	0	0	3.46	0.54	0.16	19.19	0.136	0	0	0	0	0	0	0	0
UT4-107_2	4	0	0	2.71	1.29	0.24	23.93	0.323	0	0	0	0	0	0	0	0
UT3-5_Rev_2	4	0	0	2.77	1.22	0.2	14.05	0.306	0	0	0	0	0	0	0	0
UT3-49	4	0	0	2.53	1.46	0.13	9.29	0.366	0	0	0	0	0	0	0	0
UT6-37_2	4	0	0	3.4	0.6	0.06	6.98	0.15	0	0	0	0	0	0	0	0
UT3-47	4	0	0	2.3	1.69	0.33	22.09	0.423	0	0	0	0	0	0	0	0
UT6-43_1	4	0	0	3.48	0.52	0.05	6.43	0.129	0	0	0	0	0	0	0	0
UT6-8_Rev_1	4	0	0	3.23	0.77	0.12	8.22	0.192	0	0	0	0	0	0	0	0
UT6-45	4	0	0	3.44	0.56	0.06	6.57	0.141	0	0	0	0	0	0	0	0
UT6-43_2	4	0	0	3.31	0.68	0.05	5.24	0.171	0	0	0	0	0	0	0	0
UT6-175	4	0	0	3.58	0.42	0.03	4.19	0.106	0	0	0	0	0	0	0	0
UT6-183	4	0	0	3.15	0.84	0.12	14.47	0.211	0	0	0	0	0	0	0	0
UT6-149_Rev	4	0	0	3.15	0.85	0.09	11.32	0.213	0	0	0	0	0	0	0	0
UT6-8_Rev_2	4	0	0	3.43	0.57	0.08	6.41	0.143	0	0	0	0	0	0	0	0
UT4-36	4	0	0	3.04	0.95	0.27	17.45	0.238	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT6-134_1	4	0	0	3.39	0.61	0.07	7.03	0.152	0	0	0	0	0	0	0	0
UT6-43_3	4	0	0	3.38	0.62	0.08	11.05	0.155	0	0	0	0	0	0	0	0
UT6-73_1	4	0	0	3.26	0.74	0.06	5.81	0.185	0	0	0	0	0	0	0	0
UT6-56_1	4	0	0	3.39	0.61	0.08	6.45	0.152	0	0	0	0	0	0	0	0
UT6-2_Rev_3	4	0	0	2.81	1.19	0.16	12.37	0.296	0	0	0	0	0	0	0	0
UT6-1_Rev_1	4	0	0	3.28	0.71	0.07	3.94	0.177	0	0	0	0	0	0	0	0
UT8-102_2	4	0	0	3.33	0.67	0.15	14.87	0.167	0	0	0	0	0	0	0	0
UT4-41_1	4	0	0	1.95	2.04	0.23	13.85	0.51	0	0	0	0	0	0	0	0
UT6-73_2	4	0	0	3.2	0.8	0.2	21.74	0.2	0	0	0	0	0	0	0	0
UT8-102_3	4	0	0	3.09	0.91	0.14	16	0.227	0	0	0	0	0	0	0	0
UT6-7_Rev_1	4	0	0	3.49	0.51	0.08	11.45	0.128	0	0	0	0	0	0	0	0
UT3-5_Rev_3	4	0	0	2.59	1.41	0.14	13.5	0.353	0	0	0	0	0	0	0	0
UT6-6_Rev_1	4	0	0	3.53	0.47	0.05	4.81	0.118	0	0	0	0	0	0	0	0
UT6-1_Rev_2	4	0	0	3.35	0.65	0.07	5.67	0.162	0	0	0	0	0	0	0	0
UT6-7_Rev_2	4	0	0	3.14	0.86	0.16	10.54	0.214	0	0	0	0	0	0	0	0
UT6-56_2	4	0	0	3.03	0.96	0.21	14.64	0.24	0	0	0	0	0	0	0	0
UT3-30_2	4	0	0	2.4	1.59	0.16	10.17	0.397	0	0	0	0	0	0	0	0
UT6-1_Rev_3	4	0	0	3.47	0.52	0.05	6.25	0.131	0	0	0	0	0	0	0	0
UT6-1_Rev_4	4	0	0	2.97	1.02	0.1	9.34	0.255	0	0	0	0	0	0	0	0
UT6-7_Rev_3	4	0	0	3.62	0.38	0.05	5.31	0.095	0	0	0	0	0	0	0	0
UT4-41_2	4	0	0	2.45	1.55	0.24	18.28	0.387	0	0	0	0	0	0	0	0
UT4-40_2	4	0	0	2.51	1.49	0.14	12.72	0.373	0	0	0	0	0	0	0	0
UT6-134_2	4	0	0	3.21	0.78	0.11	8.92	0.195	0	0	0	0	0	0	0	0
UT4-125	4	0	0	2.62	1.38	0.16	16.73	0.345	0	0	0	0	0	0	0	0
UT6-37_3	4	0	0	3.01	0.99	0.08	7.38	0.247	0	0	0	0	0	0	0	0
UT3-176	4	0	0	2.56	1.44	0.12	9.54	0.36	0	0	0	0	0	0	0	0
UT3-180_2	4	0	0	2.4	1.6	0.26	21.97	0.4	0	0	0	0	0	0	0	0
UT4-59_1	4	0	0	2.31	1.67	0.15	9.38	0.419	0	0	0	0	0	0	0	0
UT3-57_1	4	0	0	2.71	1.29	0.14	15.35	0.322	0	0	0	0	0	0	0	0
UT4-59_2	4	0	0	2.13	1.86	0.29	20.02	0.465	0	0	0	0	0	0	0	0
UT6-110_2	4	0	0	3.02	0.97	0.09	6.9	0.243	0	0	0	0	0	0	0	0
UT3-57_2	4	0	0	2.6	1.39	0.12	9.97	0.349	0	0	0	0	0	0	0	0
UT4-113_1	4	0	0	2.31	1.69	0.13	9.95	0.422	0	0	0	0	0	0	0	0
UT4-55_1	4	0	0	2.83	1.17	0.16	13.04	0.292	0	0	0	0	0	0	0	0
UT8-102_4	4	0	0	3.16	0.83	0.06	5.64	0.209	0	0	0	0	0	0	0	0
UT4-169_1	4	0	0	2.9	1.09	0.11	8.89	0.273	0	0	0	0	0	0	0	0
UT6-52_1	4	0	0	3.65	0.35	0.05	7.49	0.088	0	0	0	0	0	0	0	0
UT6-58	4	0	0	2.92	1.07	0.19	13.99	0.269	0	0	0	0	0	0	0	0
UT4-181	4	0	0	2.4	1.59	0.47	34.3	0.398	0	0	0	0	0	0	0	0
UT4-55_2	4	0	0	2.44	1.56	0.13	10.92	0.389	0	0	0	0	0	0	0	0
UT6-8_Rev_3	4	0	0	2.82	1.18	0.15	9.13	0.295	0	0	0	0	0	0	0	0
UT4-113_2	4	0	0	2.59	1.41	0.19	18.2	0.352	0	0	0	0	0	0	0	0
UT4-123_1	4	0	0	1.99	2	0.25	15.3	0.499	0	0	0	0	0	0	0	0
UT4-169_2	4	0	0	2.56	1.44	0.18	14.73	0.36	0	0	0	0	0	0	0	0
UT8-102_5	4	0	0	3.01	0.99	0.12	9.85	0.247	0	0	0	0	0	0	0	0
UT3-51	4	0	0	2.01	1.98	0.08	6.7	0.495	0	0	0	0	0	0	0	0
UT3-57_3	4	0	0	2.38	1.62	0.15	14.1	0.405	0	0	0	0	0	0	0	0
UT6-52_2	4	0	0	2.84	1.16	0.1	7.34	0.289	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT6-52_3	4	0	0	3.21	0.78	0.06	5.49	0.196	0	0	0	0	0	0	0	0
UT3-54	4	0	0	2.03	1.96	0.09	6.7	0.49	0	0	0	0	0	0	0	0
UT4-123_2	4	0	0	2.64	1.36	0.09	7.69	0.341	0	0	0	0	0	0	0	0
UT4-169_3	4	0	0	3.18	0.82	0.14	13.55	0.204	0	0	0	0	0	0	0	0
UT6-69	4	0	0	3.13	0.87	0.22	24.48	0.218	0	0	0	0	0	0	0	0
UT3-61_1	4	0	0	2.2	1.8	0.17	13.37	0.449	0	0	0	0	0	0	0	0
UT6-8_Rev_4	4	0	0	3.16	0.84	0.1	11.49	0.21	0	0	0	0	0	0	0	0
UT4-116_1	4	0	0	2.6	1.39	0.23	21.09	0.348	0	0	0	0	0	0	0	0
UT6-64_1	4	0	0	3.58	0.42	0.11	12.6	0.105	0	0	0	0	0	0	0	0
UT3-62_1	4	0	0	2.57	1.43	0.34	28.79	0.358	0	0	0	0	0	0	0	0
UT3-62_2	4	0	0	2.39	1.6	0.23	15.05	0.401	0	0	0	0	0	0	0	0
UT4-67_1	4	0	0	2.5	1.49	0.08	6.17	0.373	0	0	0	0	0	0	0	0
UT4-123_3	4	0	0	2.42	1.57	0.14	12.44	0.393	0	0	0	0	0	0	0	0
UT4-59_3	4	0	0	2.45	1.55	0.28	22.17	0.386	0	0	0	0	0	0	0	0
UT6-76_1	4	0	0	3.58	0.42	0.08	9.25	0.104	0	0	0	0	0	0	0	0
UT4-67_2	4	0	0	2.69	1.31	0.11	10.3	0.327	0	0	0	0	0	0	0	0
UT4-116_2	4	0	0	2.83	1.16	0.13	11.36	0.29	0	0	0	0	0	0	0	0
UT6-74_1	4	0	0	3.28	0.71	0.17	13.71	0.178	0	0	0	0	0	0	0	0
UT3-61_2	4	0	0	2.41	1.59	0.41	36.45	0.397	0	0	0	0	0	0	0	0
UT6-6_Rev_2	4	0	0	3.37	0.62	0.08	5.69	0.156	0	0	0	0	0	0	0	0
UT6-74_2	4	0	0	3.35	0.65	0.15	14.14	0.162	0	0	0	0	0	0	0	0
UT6-77	4	0	0	3	1	0.16	14.59	0.25	0	0	0	0	0	0	0	0
UT4-66_1	4	0	0	2.52	1.47	0.19	12.07	0.367	0	0	0	0	0	0	0	0
UT6-64_2	4	0	0	3.46	0.54	0.13	16.32	0.134	0	0	0	0	0	0	0	0
UT3-80_1	4	0	0	2.31	1.68	0.23	14.96	0.42	0	0	0	0	0	0	0	0
UT6-6_Rev_3	4	0	0	3.68	0.32	0.09	14.58	0.08	0	0	0	0	0	0	0	0
UT4-168	4	0	0	2.69	1.3	0.16	13.93	0.326	0	0	0	0	0	0	0	0
UT4-137	4	0	0	3.13	0.87	0.12	12.48	0.218	0	0	0	0	0	0	0	0
UT3-119	4	0	0	2.37	1.63	0.26	24.07	0.407	0	0	0	0	0	0	0	0
UT3-80_2	4	0	0	2.34	1.65	0.26	24.25	0.413	0	0	0	0	0	0	0	0
UT6-76_2	4	0	0	3.41	0.59	0.1	13.32	0.146	0	0	0	0	0	0	0	0
UT6-76_3	4	0	0	3.36	0.64	0.04	4.44	0.161	0	0	0	0	0	0	0	0
UT4-116_3	4	0	0	2.27	1.72	0.08	6.82	0.43	0	0	0	0	0	0	0	0
UT7-85_1	4	0	0	3.49	0.51	0.07	8.16	0.127	0	0	0	0	0	0	0	0
UT7-85_2	4	0	0	3.36	0.63	0.09	7.87	0.158	0	0	0	0	0	0	0	0
UT7-85_3	4	0	0	3.34	0.65	0.08	7.01	0.163	0	0	0	0	0	0	0	0
UT6-106	4	0	0	3.66	0.34	0.03	4.85	0.086	0	0	0	0	0	0	0	0
UT4-66_2	4	0	0	2.98	1.02	0.12	9.29	0.255	0	0	0	0	0	0	0	0
UT6-73_3	4	0	0	3.32	0.67	0.05	4.49	0.168	0	0	0	0	0	0	0	0
UT4-105_1	4	0	0	2.36	1.63	0.23	18.76	0.408	0	0	0	0	0	0	0	0
UT4-79	4	0	0	3.21	0.79	0.16	20.39	0.197	0	0	0	0	0	0	0	0
UT4-68	4	0	0	2.39	1.6	0.22	12.33	0.399	0	0	0	0	0	0	0	0
UT6-185	4	0	0	3.7	0.3	0.06	6.87	0.074	0	0	0	0	0	0	0	0
UT3-80_3	4	0	0	2.2	1.79	0.12	9.35	0.448	0	0	0	0	0	0	0	0
UT6-63	4	0	0	3.74	0.26	0.1	13.06	0.066	0	0	0	0	0	0	0	0
UT4-75	4	0	0	2.71	1.28	0.16	12.66	0.32	0	0	0	0	0	0	0	0
UT6-104_1	4	0	0	2.82	1.17	0.3	24.91	0.293	0	0	0	0	0	0	0	0
UT3-80_4	4	0	0	2.47	1.52	0.17	13.55	0.381	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT3-71	4	0	0	2.47	1.52	0.16	10.29	0.38	0	0	0	0	0	0	0	0
UT6-104_2	4	0	0	3.13	0.86	0.08	10.53	0.216	0	0	0	0	0	0	0	0
UT4-82_1	4	0	0	2.85	1.14	0.34	25.67	0.285	0	0	0	0	0	0	0	0
UT7-89_1	4	0	0	3.47	0.53	0.04	5.48	0.132	0	0	0	0	0	0	0	0
UT7-103_1	4	0	0	3.47	0.53	0.06	6.42	0.133	0	0	0	0	0	0	0	0
UT6-8_Rev_5	4	0	0	3.12	0.88	0.04	5.51	0.219	0	0	0	0	0	0	0	0
UT7-89_2	4	0	0	3.4	0.59	0.06	8.16	0.149	0	0	0	0	0	0	0	0
UT6-90_1	4	0	0	3.03	0.97	0.14	14.63	0.243	0	0	0	0	0	0	0	0
UT4-83	4	0	0	2.25	1.74	0.14	11.88	0.436	0	0	0	0	0	0	0	0
UT6-8_Rev_6	4	0	0	3.02	0.97	0.06	5.59	0.244	0	0	0	0	0	0	0	0
UT4-84_1	4	0	0	3.11	0.89	0.17	21.94	0.224	0	0	0	0	0	0	0	0
UT4-105_2	4	0	0	2.61	1.39	0.1	9.33	0.348	0	0	0	0	0	0	0	0
UT6-81_1	4	0	0	2.86	1.14	0.12	11.79	0.285	0	0	0	0	0	0	0	0
UT6-81_2	4	0	0	2.56	1.43	0.16	12	0.358	0	0	0	0	0	0	0	0
UT6-128_1	4	0	0	3.41	0.59	0.12	16.66	0.147	0	0	0	0	0	0	0	0
UT4-84_2	4	0	0	2.68	1.32	0.16	14.42	0.329	0	0	0	0	0	0	0	0
UT6-78_Rev_1	4	0	0	3.23	0.77	0.14	17.23	0.192	0	0	0	0	0	0	0	0
UT7-89_3	4	0	0	3.5	0.5	0.06	5.95	0.124	0	0	0	0	0	0	0	0
UT6-90_2	4	0	0	3.33	0.67	0.05	8.4	0.169	0	0	0	0	0	0	0	0
UT6-132	4	0	0	2.87	1.13	0.07	6.46	0.282	0	0	0	0	0	0	0	0
UT4-167	4	0	0	3.02	0.98	0.17	13.28	0.244	0	0	0	0	0	0	0	0
UT6-78_Rev_2	4	0	0	2.99	1.01	0.13	10.12	0.252	0	0	0	0	0	0	0	0
UT6-78_Rev_3	4	0	0	3.01	0.99	0.08	8.77	0.248	0	0	0	0	0	0	0	0
UT4-120	4	0	0	2.09	1.9	0.09	6.46	0.474	0	0	0	0	0	0	0	0
UT6-122	4	0	0	3.54	0.46	0.17	18.36	0.115	0	0	0	0	0	0	0	0
UT4-58	4	0	0	2.58	1.41	0.1	8.07	0.353	0	0	0	0	0	0	0	0
UT4-86_1	4	0	0	2.29	1.7	0.28	18.69	0.426	0	0	0	0	0	0	0	0
UT6-90_3	4	0	0	3.32	0.68	0.03	4	0.169	0	0	0	0	0	0	0	0
UT7-117	4	0	0	3.54	0.46	0.25	13.99	0.114	0	0	0	0	0	0	0	0
UT4-82_2	4	0	0	2.88	1.12	0.11	9.26	0.279	0	0	0	0	0	0	0	0
UT6-92_1	4	0	0	3.25	0.75	0.07	7.55	0.188	0	0	0	0	0	0	0	0
UT4-86_2	4	0	0	2.74	1.26	0.07	6.28	0.315	0	0	0	0	0	0	0	0
UT4-88_1	4	0	0	3.21	0.79	0.27	25.46	0.198	0	0	0	0	0	0	0	0
UT7-103_2	4	0	0	3.52	0.48	0.15	15.48	0.12	0	0	0	0	0	0	0	0
UT6-128_2	4	0	0	3.46	0.54	0.04	6	0.135	0	0	0	0	0	0	0	0
UT4-84_3	4	0	0	2.51	1.49	0.18	15.82	0.372	0	0	0	0	0	0	0	0
UT4-88_2	4	0	0	2.36	1.64	0.03	3.3	0.409	0	0	0	0	0	0	0	0
UT4-87	4	0	0	2.96	1.04	0.13	10.43	0.259	0	0	0	0	0	0	0	0
UT6-92_2	4	0	0	3.16	0.84	0.1	12.12	0.21	0	0	0	0	0	0	0	0
UT4-91_1	4	0	0	2.84	1.16	0.13	9.38	0.29	0	0	0	0	0	0	0	0
UT4-91_2	4	0	0	2.62	1.37	0.16	13.88	0.344	0	0	0	0	0	0	0	0
UT4-91_3	4	0	0	2.61	1.39	0.17	17.51	0.347	0	0	0	0	0	0	0	0
UT4-95_1	4	0	0	3.24	0.76	0.07	8.98	0.191	0	0	0	0	0	0	0	0
UT6-93_1	4	0	0	3.35	0.65	0.15	13.51	0.162	0	0	0	0	0	0	0	0
UT6-93_2	4	0	0	3.29	0.71	0.09	10.84	0.177	0	0	0	0	0	0	0	0
UT6-3	4	0	0	3.24	0.76	0.07	7.23	0.191	0	0	0	0	0	0	0	0
UT6-96	4	0	0	3.18	0.82	0.05	4.3	0.204	0	0	0	0	0	0	0	0
UT6-127_1	4	0	0	3.2	0.8	0.07	6.84	0.199	0	0	0	0	0	0	0	0

Subcatchment SWMM 2-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT6-127_2	4	0	0	3.45	0.55	0.05	6.77	0.138	0	0	0	0	0	0	0	0
UT6-97	4	0	0	3.58	0.42	0.04	4.52	0.104	0	0	0	0	0	0	0	0
UT5-99_1	4	0	0	3.36	0.64	0.13	13.79	0.16	0	0	0	0	0	0	0	0
UT4-100_1	4	0	0	3.24	0.76	0.17	19.55	0.189	0	0	0	0	0	0	0	0
UT4-95_2	4	0	0	3.19	0.81	0.11	9.53	0.202	0	0	0	0	0	0	0	0
UT4-100_2	4	0	0	3.01	0.98	0.16	15.35	0.246	0	0	0	0	0	0	0	0
UT5-99_2	4	0	0	2.86	1.14	0.11	8.29	0.286	0	0	0	0	0	0	0	0
CC-MAS1359	4	0	0	2.66	1.34	0.07	5.06	0.334	0	0	0	0	0	0	0	0
CC-MASJ127	4	0	0	2.73	1.27	0.13	10.84	0.318	0	0	0	0	0	0	0	0
CC-J810	4	0	0	2.29	1.7	0.27	17.86	0.426	0	0	0	0	0	0	0	0
CC-J97	4	0	0	2.39	1.61	0.07	4.89	0.402	0	0	0	0	0	0	0	0
UT-_1	4	0	0	3.9	0.1	0.6	50.74	0.025	0	0	0	0	0	0	0	0
UT-_2	4	0	0	3.85	0.15	0.13	31.64	0.038	0	0	0	0	0	0	0	0
UT-816_2	4	0	0	3.92	0.08	1.85	100.32	0.02	0	0	0	0	0	0	0	0
BC-1385_2	4	0	0	2.95	1.05	0.15	9.32	0.263	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT6-124	5.36	0	0	4.55	0.81	0.17	17.43	0.151	0	0	0	0	0	0	0	0
PO-763_1	5.36	0	0	4.74	0.61	5.72	203.66	0.115	0	0	0	0	0	0	0	0
UT-2861	5.36	0	0	4.16	1.2	4.19	140.46	0.223	0	0	0	0	0	0	0	0
CC-MASJ1365_1	5.36	0	0	3.15	2.21	0.1	8.42	0.412	0	0	0	0	0	0	0	0
UT-805_1	5.36	0	0	3.57	1.79	0.27	11.97	0.334	0	0	0	0	0	0	0	0
CC-J779_1	5.36	0	0	3.37	1.99	0.84	43.08	0.371	0	0	0	0	0	0	0	0
PO-725	5.36	0	0	3.27	2.09	0.32	32.38	0.39	0	0	0	0	0	0	0	0
CC-J801	5.36	0	0	3.36	2	0.34	26.24	0.372	0	0	0	0	0	0	0	0
CC-J867_1	5.36	0	0	3.12	2.24	0.31	21.2	0.417	0	0	0	0	0	0	0	0
PO-839	5.36	0	0	3.42	1.94	0.63	41.04	0.362	0	0	0	0	0	0	0	0
UT-844_1	5.36	0	0	3.49	1.87	0.14	9.35	0.349	0	0	0	0	0	0	0	0
PO-763_2	5.36	0	0	3.23	2.13	0.43	25.74	0.396	0	0	0	0	0	0	0	0
CC-J867_2	5.36	0	0	3.41	1.95	0.25	21.56	0.364	0	0	0	0	0	0	0	0
UT-2820_1	5.36	0	0	3.53	1.83	0.24	11.21	0.341	0	0	0	0	0	0	0	0
UT-844_2	5.36	0	0	3.67	1.69	0.19	10.31	0.316	0	0	0	0	0	0	0	0
PO-835	5.36	0	0	3.1	2.26	0.48	36.34	0.422	0	0	0	0	0	0	0	0
PO-837	5.36	0	0	2.86	2.5	0.18	15.61	0.466	0	0	0	0	0	0	0	0
UT-805_2	5.36	0	0	3.67	1.69	0.15	6.93	0.315	0	0	0	0	0	0	0	0
CC-J779_2	5.36	0	0	3.16	2.2	0.32	24.14	0.41	0	0	0	0	0	0	0	0
UT-844_3	5.36	0	0	3.43	1.93	0.36	24.53	0.36	0	0	0	0	0	0	0	0
PO-44_1	5.36	0	0	3.32	2.05	0.16	13.27	0.381	0	0	0	0	0	0	0	0
UT-816_1	5.36	0	0	3.71	1.65	0.25	16.62	0.307	0	0	0	0	0	0	0	0
CC-J908_1	5.36	0	0	3.29	2.06	0.72	35.78	0.385	0	0	0	0	0	0	0	0
PO-830_1	5.36	0	0	2.84	2.52	0.24	18.11	0.469	0	0	0	0	0	0	0	0
PO-830_2	5.36	0	0	3.2	2.16	0.43	30.38	0.404	0	0	0	0	0	0	0	0
PO-856	5.36	0	0	3.22	2.13	0.45	23.44	0.398	0	0	0	0	0	0	0	0
UT-988_1	5.36	0	0	4.84	0.52	0.74	55	0.097	0	0	0	0	0	0	0	0
UT-877	5.36	0	0	4.2	1.16	0.53	45.04	0.217	0	0	0	0	0	0	0	0
UT-860	5.36	0	0	4.36	1	0.2	14.77	0.187	0	0	0	0	0	0	0	0
PO-44_2	5.36	0	0	3.22	2.14	0.24	16.84	0.399	0	0	0	0	0	0	0	0
UT-832	5.36	0	0	3.86	1.5	0.18	14.15	0.281	0	0	0	0	0	0	0	0
CC-J75	5.36	0	0	3.15	2.21	0.07	4.98	0.412	0	0	0	0	0	0	0	0
CC-MASJ888	5.36	0	0	3.1	2.26	0.11	7.97	0.421	0	0	0	0	0	0	0	0
CC-J69	5.36	0	0	3.27	2.09	0.33	16.23	0.389	0	0	0	0	0	0	0	0
PO-35_1	5.36	0	0	3.33	2.03	0.14	11.76	0.379	0	0	0	0	0	0	0	0
CC-J81	5.36	0	0	4.42	0.94	0.34	24.88	0.176	0	0	0	0	0	0	0	0
CC-MASJ122	5.36	0	0	4.18	1.18	0.21	14.22	0.22	0	0	0	0	0	0	0	0
CC-J935	5.36	0	0	4.74	0.62	2.43	109.89	0.116	0	0	0	0	0	0	0	0
CC-J1012	5.36	0	0	3.93	1.43	0.23	17.88	0.267	0	0	0	0	0	0	0	0
CC-J875_1	5.36	0	0	3.3	2.07	0.2	15.57	0.385	0	0	0	0	0	0	0	0
UT-2820_2	5.36	0	0	3.39	1.97	0.17	10.16	0.367	0	0	0	0	0	0	0	0
PO-37	5.36	0	0	2.86	2.5	0.55	40.08	0.467	0	0	0	0	0	0	0	0
CC-J879_1	5.36	0	0	3.33	2.03	0.35	23.75	0.379	0	0	0	0	0	0	0	0
CC-J882	5.36	0	0	3.42	1.93	0.24	16.43	0.361	0	0	0	0	0	0	0	0
CC-J875_2	5.36	0	0	3.21	2.15	0.11	9.69	0.401	0	0	0	0	0	0	0	0
UT-848	5.36	0	0	3.64	1.73	0.28	21.29	0.322	0	0	0	0	0	0	0	0
UT-873	5.36	0	0	4.94	0.42	0.13	16.1	0.079	0	0	0	0	0	0	0	0
PO-35_2	5.36	0	0	3.22	2.14	0.45	27.59	0.398	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-16042417_1	5.36	0	0	4.59	0.77	0.22	12.08	0.143	0	0	0	0	0	0	0	0
PO-3007	5.36	0	0	3.29	2.07	0.17	15.38	0.386	0	0	0	0	0	0	0	0
CC-MASJ130	5.36	0	0	3.03	2.33	0.26	16.87	0.434	0	0	0	0	0	0	0	0
UT-2857_1	5.36	0	0	3.59	1.77	0.22	16.71	0.33	0	0	0	0	0	0	0	0
CC-J879_2	5.36	0	0	3.35	2.01	0.17	12.95	0.375	0	0	0	0	0	0	0	0
CC-J879_3	5.36	0	0	3.46	1.89	0.29	22.04	0.353	0	0	0	0	0	0	0	0
CC-J879_4	5.36	0	0	3.35	2.01	0.21	16.36	0.376	0	0	0	0	0	0	0	0
UT-15042417	5.36	0	0	3.22	2.14	0.15	11.22	0.4	0	0	0	0	0	0	0	0
UT-2857_2	5.36	0	0	3.1	2.25	0.43	21.44	0.421	0	0	0	0	0	0	0	0
UT-2748	5.36	0	0	4.34	1.02	0.04	4.28	0.19	0	0	0	0	0	0	0	0
PO-870	5.36	0	0	3.38	1.98	0.36	25.8	0.37	0	0	0	0	0	0	0	0
UT-921_1	5.36	0	0	3.43	1.93	0.32	19.85	0.36	0	0	0	0	0	0	0	0
PO-3044	5.36	0	0	3.15	2.21	0.18	14.62	0.412	0	0	0	0	0	0	0	0
CC-MASJ133	5.36	0	0	3.19	2.17	0.07	5.53	0.405	0	0	0	0	0	0	0	0
PO-925_1	5.36	0	0	3.15	2.21	0.22	17.5	0.412	0	0	0	0	0	0	0	0
CC-MASJ135	5.36	0	0	3.35	2.01	0.08	7.67	0.374	0	0	0	0	0	0	0	0
CC-MASJ126	5.36	0	0	3.21	2.15	0.14	10.72	0.401	0	0	0	0	0	0	0	0
CC-MASJ129	5.36	0	0	3.57	1.79	0.12	9.85	0.334	0	0	0	0	0	0	0	0
PO-900	5.36	0	0	2.79	2.57	0.31	18.06	0.479	0	0	0	0	0	0	0	0
CC-MASJ117	5.36	0	0	3.11	2.24	0.12	8.44	0.418	0	0	0	0	0	0	0	0
CC-J40	5.36	0	0	2.83	2.53	0.11	7.79	0.471	0	0	0	0	0	0	0	0
UT-137	5.36	0	0	3.36	2	0.31	18.11	0.373	0	0	0	0	0	0	0	0
UT-896	5.36	0	0	3.12	2.24	0.21	12.22	0.418	0	0	0	0	0	0	0	0
UT-910	5.36	0	0	4	1.36	0.29	21.1	0.253	0	0	0	0	0	0	0	0
PO-925_2	5.36	0	0	2.93	2.42	0.17	12.02	0.452	0	0	0	0	0	0	0	0
PO-2886_1	5.36	0	0	3.25	2.12	0.17	16.58	0.395	0	0	0	0	0	0	0	0
PO-2842	5.36	0	0	4.27	1.09	0.12	13.18	0.204	0	0	0	0	0	0	0	0
UT-971_1	5.36	0	0	3.28	2.08	0.35	17.47	0.388	0	0	0	0	0	0	0	0
UT-927	5.36	0	0	3.42	1.94	0.26	15.01	0.361	0	0	0	0	0	0	0	0
PO-946	5.36	0	0	4.08	1.28	0.27	24.05	0.239	0	0	0	0	0	0	0	0
UT-2724	5.36	0	0	3.34	2.02	0.43	29.26	0.377	0	0	0	0	0	0	0	0
PO-964_1	5.36	0	0	2.7	2.66	0.33	25.01	0.495	0	0	0	0	0	0	0	0
UT-968_1	5.36	0	0	3.47	1.89	0.31	20.97	0.353	0	0	0	0	0	0	0	0
UT-996	5.36	0	0	3.51	1.85	0.43	23.13	0.345	0	0	0	0	0	0	0	0
UT-971_2	5.36	0	0	3.53	1.83	0.23	12.2	0.342	0	0	0	0	0	0	0	0
PO-931	5.36	0	0	2.99	2.37	0.19	14.16	0.442	0	0	0	0	0	0	0	0
PO-950_1	5.36	0	0	3.3	2.06	0.22	19.43	0.384	0	0	0	0	0	0	0	0
UT-937	5.36	0	0	3.29	2.07	0.28	14.47	0.386	0	0	0	0	0	0	0	0
UT-921_2	5.36	0	0	3.48	1.88	0.17	13.44	0.351	0	0	0	0	0	0	0	0
UT-980	5.36	0	0	3.58	1.78	0.27	15.57	0.333	0	0	0	0	0	0	0	0
PO-975_1	5.36	0	0	4.22	1.14	0.37	21.64	0.214	0	0	0	0	0	0	0	0
CC-J955	5.36	0	0	3.77	1.59	0.22	16.47	0.297	0	0	0	0	0	0	0	0
UT-1023_1	5.36	0	0	2.96	2.4	0.36	19.56	0.447	0	0	0	0	0	0	0	0
UT-968_2	5.36	0	0	3.37	1.99	0.15	11	0.371	0	0	0	0	0	0	0	0
CC-J879_5	5.36	0	0	3.31	2.04	0.27	18.08	0.381	0	0	0	0	0	0	0	0
PO-950_2	5.36	0	0	3.31	2.05	0.3	24.74	0.383	0	0	0	0	0	0	0	0
UT-1023_2	5.36	0	0	3.2	2.16	0.34	18.01	0.403	0	0	0	0	0	0	0	0
CC-J908_2	5.36	0	0	3.18	2.17	0.29	21.16	0.405	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-40042417	5.36	0	0	3.78	1.58	1.81	68.42	0.295	0	0	0	0	0	0	0	0
UT-973_1	5.36	0	0	3.45	1.92	0.25	15.48	0.357	0	0	0	0	0	0	0	0
UT-973_2	5.36	0	0	3.51	1.85	0.17	10.73	0.345	0	0	0	0	0	0	0	0
PO-2886_2	5.36	0	0	3.22	2.14	0.48	36.42	0.399	0	0	0	0	0	0	0	0
PO-964_2	5.36	0	0	3.11	2.25	0.46	33.53	0.419	0	0	0	0	0	0	0	0
UT-959	5.36	0	0	3.52	1.84	0.36	20.08	0.344	0	0	0	0	0	0	0	0
UT-1023_3	5.36	0	0	3.36	2	0.37	23.93	0.373	0	0	0	0	0	0	0	0
PO-2989_1	5.36	0	0	4.4	0.97	0.15	20.51	0.18	0	0	0	0	0	0	0	0
CC-MASJ1021_1	5.36	0	0	3.32	2.04	0.13	9.59	0.381	0	0	0	0	0	0	0	0
PO-964_3	5.36	0	0	3.06	2.3	0.34	22.18	0.429	0	0	0	0	0	0	0	0
UT-2739	5.36	0	0	3.49	1.88	0.38	20.98	0.35	0	0	0	0	0	0	0	0
CC-J101	5.36	0	0	2.78	2.58	0.22	12.95	0.481	0	0	0	0	0	0	0	0
CC-J1043_1	5.36	0	0	3.34	2.02	0.77	46.17	0.378	0	0	0	0	0	0	0	0
CC-J110	5.36	0	0	3.26	2.11	0.15	13.22	0.393	0	0	0	0	0	0	0	0
UT-1004	5.36	0	0	3.39	1.97	0.47	33.54	0.368	0	0	0	0	0	0	0	0
PO-978	5.36	0	0	3.28	2.08	0.17	16.97	0.388	0	0	0	0	0	0	0	0
UT-1069	5.36	0	0	3.39	1.97	0.26	11.58	0.368	0	0	0	0	0	0	0	0
CC-J986	5.36	0	0	3.19	2.17	0.28	20.19	0.405	0	0	0	0	0	0	0	0
UT-1045_1	5.36	0	0	3.37	1.99	0.2	14.69	0.372	0	0	0	0	0	0	0	0
CC-MASJ1141	5.36	0	0	3.44	1.92	0.5	30.88	0.358	0	0	0	0	0	0	0	0
CC-MASJ1021_2	5.36	0	0	3.4	1.95	0.31	17.07	0.364	0	0	0	0	0	0	0	0
UT-988_2	5.36	0	0	3.32	2.04	0.19	15.63	0.381	0	0	0	0	0	0	0	0
CC-CibIntoCity	5.36	0	0	4.17	1.19	0.16	17.33	0.222	0	0	0	0	0	0	0	0
PO-1049_1	5.36	0	0	3.68	1.68	0.21	16.63	0.313	0	0	0	0	0	0	0	0
PO-975_2	5.36	0	0	4.99	0.37	0.02	3.32	0.069	0	0	0	0	0	0	0	0
CC-J1027_1	5.36	0	0	3.07	2.29	0.35	20.22	0.427	0	0	0	0	0	0	0	0
UT-1053_1	5.36	0	0	2.85	2.5	0.12	7.32	0.467	0	0	0	0	0	0	0	0
UT-2882_1	5.36	0	0	3.39	1.97	0.16	11.3	0.368	0	0	0	0	0	0	0	0
UT-1042417	5.36	0	0	3.46	1.9	0.56	29.86	0.354	0	0	0	0	0	0	0	0
CC-J1043_2	5.36	0	0	3.36	2	0.29	21.87	0.374	0	0	0	0	0	0	0	0
PO-2899_1	5.36	0	0	4.93	0.43	0.03	4.39	0.081	0	0	0	0	0	0	0	0
UT-2982_1	5.36	0	0	3.3	2.06	0.24	21.54	0.384	0	0	0	0	0	0	0	0
CC-J2913_1	5.36	0	0	4.46	0.9	0.11	17.51	0.168	0	0	0	0	0	0	0	0
UT-2751_1	5.36	0	0	3.3	2.06	0.25	13.88	0.384	0	0	0	0	0	0	0	0
PO-2989_2	5.36	0	0	3.27	2.1	0.1	9.96	0.391	0	0	0	0	0	0	0	0
UT-1053_2	5.36	0	0	3.17	2.19	0.24	15.64	0.408	0	0	0	0	0	0	0	0
PO-2793	5.36	0	0	4.42	0.94	0.12	17.42	0.176	0	0	0	0	0	0	0	0
CC-J994	5.36	0	0	3.05	2.3	0.4	21.27	0.429	0	0	0	0	0	0	0	0
CC-J1027_2	5.36	0	0	3.09	2.26	0.5	31.85	0.422	0	0	0	0	0	0	0	0
PO-975_3	5.36	0	0	4.35	1.01	0.08	10.36	0.188	0	0	0	0	0	0	0	0
UT-1047	5.36	0	0	3.49	1.88	0.15	13.78	0.35	0	0	0	0	0	0	0	0
UT-1037	5.36	0	0	4.16	1.2	0.59	27.49	0.223	0	0	0	0	0	0	0	0
UT-2812	5.36	0	0	3.4	1.96	0.12	7.06	0.365	0	0	0	0	0	0	0	0
UT-1033	5.36	0	0	3.28	2.08	0.38	22.27	0.387	0	0	0	0	0	0	0	0
UT-2966_1	5.36	0	0	3.81	1.55	0.19	8.78	0.29	0	0	0	0	0	0	0	0
PO-2899_2	5.36	0	0	4.39	0.97	0.08	8.27	0.181	0	0	0	0	0	0	0	0
PO-1049_2	5.36	0	0	2.91	2.45	0.49	34.97	0.456	0	0	0	0	0	0	0	0
CC-J2913_2	5.36	0	0	3.37	1.99	0.2	18.92	0.372	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-16042417_2	5.36	0	0	3.22	2.14	0.17	13.08	0.4	0	0	0	0	0	0	0	0
CC-J143	5.36	0	0	2.93	2.43	0.34	20.93	0.453	0	0	0	0	0	0	0	0
PO-1031	5.36	0	0	3.07	2.29	0.28	24.04	0.427	0	0	0	0	0	0	0	0
CC-J1085	5.36	0	0	3.39	1.97	0.25	16.24	0.368	0	0	0	0	0	0	0	0
PO-1049_3	5.36	0	0	2.98	2.38	0.22	19.45	0.444	0	0	0	0	0	0	0	0
UT-1000	5.36	0	0	3.4	1.96	0.24	16.1	0.365	0	0	0	0	0	0	0	0
CC-J1093	5.36	0	0	3.19	2.17	0.43	26.11	0.405	0	0	0	0	0	0	0	0
UT-2982_2	5.36	0	0	3.48	1.89	0.1	9.55	0.352	0	0	0	0	0	0	0	0
UT-1102_1	5.36	0	0	3.4	1.97	0.26	18.35	0.367	0	0	0	0	0	0	0	0
PO-1110_1	5.36	0	0	4.59	0.77	0.11	13.67	0.143	0	0	0	0	0	0	0	0
CC-J85	5.36	0	0	3.48	1.88	0.35	32.78	0.351	0	0	0	0	0	0	0	0
CC-J1043_3	5.36	0	0	3.31	2.05	0.23	19.56	0.382	0	0	0	0	0	0	0	0
CC-J1083	5.36	0	0	3.13	2.23	0.35	25.11	0.416	0	0	0	0	0	0	0	0
UT-1117	5.36	0	0	3.5	1.86	0.26	22.45	0.347	0	0	0	0	0	0	0	0
UT-1045_2	5.36	0	0	3.33	2.03	0.2	16.5	0.379	0	0	0	0	0	0	0	0
PO-1049_4	5.36	0	0	3.06	2.3	0.22	16.8	0.429	0	0	0	0	0	0	0	0
CC-J2913_3	5.36	0	0	4.11	1.26	0.09	10.42	0.234	0	0	0	0	0	0	0	0
CC-J2936	5.36	0	0	3.25	2.11	0.16	17.35	0.394	0	0	0	0	0	0	0	0
UT-1100	5.36	0	0	3.55	1.81	0.17	8.18	0.338	0	0	0	0	0	0	0	0
UT-1095	5.36	0	0	3.38	1.98	0.28	18.54	0.369	0	0	0	0	0	0	0	0
UT-1133	5.36	0	0	3.21	2.15	0.12	7.99	0.401	0	0	0	0	0	0	0	0
UT-1149	5.36	0	0	3.46	1.9	0.2	11.41	0.354	0	0	0	0	0	0	0	0
CC-J1138_1	5.36	0	0	3.16	2.2	0.28	26.09	0.41	0	0	0	0	0	0	0	0
CC-J1190_1	5.36	0	0	3.06	2.29	0.32	21.77	0.428	0	0	0	0	0	0	0	0
UT-1102_2	5.36	0	0	3.56	1.8	0.26	15.82	0.336	0	0	0	0	0	0	0	0
CC-J2	5.36	0	0	4.02	1.34	0.4	38.8	0.25	0	0	0	0	0	0	0	0
PO-2899_3	5.36	0	0	4.56	0.8	0.03	6.32	0.15	0	0	0	0	0	0	0	0
UT-2882_2	5.36	0	0	3.48	1.88	0.24	21.28	0.35	0	0	0	0	0	0	0	0
PO-1192_1	5.36	0	0	3.11	2.25	0.33	28.6	0.419	0	0	0	0	0	0	0	0
PO-1121	5.36	0	0	3.28	2.08	0.36	27.17	0.388	0	0	0	0	0	0	0	0
PO-1110_2	5.36	0	0	3.39	1.97	0.35	30.11	0.367	0	0	0	0	0	0	0	0
CC-J113_1	5.36	0	0	2.98	2.37	0.35	25.13	0.443	0	0	0	0	0	0	0	0
PO-1192_2	5.36	0	0	3.52	1.84	0.27	15.69	0.343	0	0	0	0	0	0	0	0
PO-1110_3	5.36	0	0	4.28	1.08	0.33	25.45	0.202	0	0	0	0	0	0	0	0
PO-1192_3	5.36	0	0	3.37	1.99	0.32	23.78	0.372	0	0	0	0	0	0	0	0
CC-J1143	5.36	0	0	3.3	2.06	0.33	30.28	0.385	0	0	0	0	0	0	0	0
CC-J1163_1	5.36	0	0	3.19	2.17	0.34	21.67	0.405	0	0	0	0	0	0	0	0
UT-2954_1	5.36	0	0	3.33	2.03	0.42	34.54	0.378	0	0	0	0	0	0	0	0
UT-8042417	5.36	0	0	3.19	2.17	0.48	21.55	0.404	0	0	0	0	0	0	0	0
PO-1110_4	5.36	0	0	4.7	0.66	0.06	10.43	0.124	0	0	0	0	0	0	0	0
CC-J1151	5.36	0	0	2.75	2.6	0.26	18.12	0.485	0	0	0	0	0	0	0	0
UT-1197	5.36	0	0	3.44	1.93	0.45	28.49	0.359	0	0	0	0	0	0	0	0
UT-2751_2	5.36	0	0	2.85	2.5	0.27	20.9	0.467	0	0	0	0	0	0	0	0
UT-2954_2	5.36	0	0	3.44	1.92	0.1	10.26	0.359	0	0	0	0	0	0	0	0
UT-1185	5.36	0	0	3.39	1.97	0.27	23.33	0.368	0	0	0	0	0	0	0	0
PO-1104_1	5.36	0	0	4	1.36	0.15	18.55	0.254	0	0	0	0	0	0	0	0
CC-J141	5.36	0	0	2.98	2.38	0.21	15.43	0.444	0	0	0	0	0	0	0	0
CC-J113_2	5.36	0	0	3.18	2.18	0.17	13.23	0.407	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2798	5.36	0	0	3.24	2.12	0.32	29.32	0.396	0	0	0	0	0	0	0	0
UT-3042417_1	5.36	0	0	3.36	1.99	0.23	14.22	0.372	0	0	0	0	0	0	0	0
CC-J1168	5.36	0	0	3.92	1.43	0.28	11.15	0.267	0	0	0	0	0	0	0	0
BC-1203_1	5.36	0	0	3.37	1.99	0.34	25.81	0.372	0	0	0	0	0	0	0	0
UT-6042417_1	5.36	0	0	3.44	1.92	0.44	25.13	0.359	0	0	0	0	0	0	0	0
PO-1153	5.36	0	0	4.99	0.38	0.09	11.84	0.07	0	0	0	0	0	0	0	0
UT-1178_1	5.36	0	0	3.28	2.09	0.06	5.99	0.389	0	0	0	0	0	0	0	0
UT-1178_2	5.36	0	0	3.34	2.02	0.15	13.07	0.377	0	0	0	0	0	0	0	0
CC-J1138_2	5.36	0	0	3.92	1.44	0.29	24.41	0.269	0	0	0	0	0	0	0	0
UT-1155	5.36	0	0	3.32	2.04	0.13	10.99	0.38	0	0	0	0	0	0	0	0
CC-J1157_1	5.36	0	0	3.43	1.93	0.14	9.3	0.361	0	0	0	0	0	0	0	0
UT-1161	5.36	0	0	3.3	2.06	0.11	6.89	0.384	0	0	0	0	0	0	0	0
UT-1178_3	5.36	0	0	3.4	1.96	0.24	16.61	0.366	0	0	0	0	0	0	0	0
CC-J1163_2	5.36	0	0	2.91	2.45	0.37	32.3	0.457	0	0	0	0	0	0	0	0
UT-4042417_1	5.36	0	0	3.02	2.34	0.21	12.6	0.436	0	0	0	0	0	0	0	0
UT-1227_1	5.36	0	0	3.93	1.43	0.15	10.53	0.266	0	0	0	0	0	0	0	0
UT-1240_1	5.36	0	0	3.48	1.89	0.44	32.79	0.352	0	0	0	0	0	0	0	0
UT-4042417_2	5.36	0	0	3.22	2.14	0.41	20.21	0.399	0	0	0	0	0	0	0	0
UT-1240_2	5.36	0	0	3.62	1.74	0.21	11.42	0.325	0	0	0	0	0	0	0	0
CC-J1190_2	5.36	0	0	3.5	1.86	0.37	29.31	0.348	0	0	0	0	0	0	0	0
PO-1192_4	5.36	0	0	2.92	2.44	0.18	12.08	0.455	0	0	0	0	0	0	0	0
CC-J1182	5.36	0	0	3.39	1.97	0.2	13.03	0.368	0	0	0	0	0	0	0	0
PO-23	5.36	0	0	2.83	2.52	0.31	22.13	0.47	0	0	0	0	0	0	0	0
BC-1245_1	5.36	0	0	3.34	2.02	0.43	26.69	0.377	0	0	0	0	0	0	0	0
CC-J115	5.36	0	0	2.99	2.36	0.27	16.76	0.441	0	0	0	0	0	0	0	0
PO-1104_2	5.36	0	0	4.46	0.9	0.13	18.61	0.168	0	0	0	0	0	0	0	0
BC-2736	5.36	0	0	3.3	2.06	0.31	27.43	0.384	0	0	0	0	0	0	0	0
CC-J1138_3	5.36	0	0	3.37	1.98	0.22	17.16	0.369	0	0	0	0	0	0	0	0
BC-1289_1	5.36	0	0	4.14	1.21	0.09	7.48	0.227	0	0	0	0	0	0	0	0
PO-1234_1	5.36	0	0	3.01	2.35	0.37	28.3	0.438	0	0	0	0	0	0	0	0
UT-2919_1	5.36	0	0	3.4	1.96	0.35	23.75	0.365	0	0	0	0	0	0	0	0
UT-3042417_2	5.36	0	0	3.25	2.11	0.15	13.98	0.394	0	0	0	0	0	0	0	0
CC-J2905	5.36	0	0	3.3	2.06	0.17	17.36	0.385	0	0	0	0	0	0	0	0
CC-J2789_1	5.36	0	0	3.09	2.27	0.12	10.64	0.424	0	0	0	0	0	0	0	0
UT-6042417_2	5.36	0	0	2.74	2.61	0.21	11.98	0.487	0	0	0	0	0	0	0	0
UT-1212	5.36	0	0	3.33	2.03	0.39	26.32	0.378	0	0	0	0	0	0	0	0
CC-J1157_2	5.36	0	0	3.17	2.18	0.27	12.59	0.407	0	0	0	0	0	0	0	0
CC-J1190_3	5.36	0	0	4.21	1.15	0.14	17.09	0.214	0	0	0	0	0	0	0	0
CC-J1287_1	5.36	0	0	3.27	2.09	0.29	24.05	0.389	0	0	0	0	0	0	0	0
BC-1289_2	5.36	0	0	3.52	1.83	0.13	7.24	0.342	0	0	0	0	0	0	0	0
UT-1227_2	5.36	0	0	3.13	2.23	0.16	12.01	0.416	0	0	0	0	0	0	0	0
UT-2966_2	5.36	0	0	3.13	2.23	0.23	13.26	0.416	0	0	0	0	0	0	0	0
BC-1203_2	5.36	0	0	4.38	0.98	0.3	22.48	0.182	0	0	0	0	0	0	0	0
CC-J1271_1	5.36	0	0	3.21	2.15	0.33	27.67	0.401	0	0	0	0	0	0	0	0
PO-1223_1	5.36	0	0	4.78	0.58	0.08	8.68	0.109	0	0	0	0	0	0	0	0
BC-66_1	5.36	0	0	3.08	2.28	0.36	20.63	0.426	0	0	0	0	0	0	0	0
PO-1234_2	5.36	0	0	3.63	1.73	0.17	13.77	0.324	0	0	0	0	0	0	0	0
BC-1289_3	5.36	0	0	4.05	1.31	0.08	6.4	0.244	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1271_2	5.36	0	0	3.35	2.01	0.14	11.48	0.376	0	0	0	0	0	0	0	0
UT-1269_1	5.36	0	0	3.36	2	0.27	21.76	0.373	0	0	0	0	0	0	0	0
UT-1301_1	5.36	0	0	3.43	1.93	0.26	20.13	0.359	0	0	0	0	0	0	0	0
BC-1245_2	5.36	0	0	3.09	2.27	0.3	18.56	0.423	0	0	0	0	0	0	0	0
PO-1234_3	5.36	0	0	3.37	2	0.39	22.09	0.372	0	0	0	0	0	0	0	0
BC-1289_4	5.36	0	0	3.63	1.72	0.22	13.45	0.322	0	0	0	0	0	0	0	0
UT-7042417_1	5.36	0	0	3.54	1.82	0.15	8.37	0.34	0	0	0	0	0	0	0	0
UT-1227_3	5.36	0	0	3.14	2.22	0.52	31.49	0.413	0	0	0	0	0	0	0	0
PO-1297_1	5.36	0	0	4.37	0.99	0.13	12.42	0.185	0	0	0	0	0	0	0	0
BC-1238	5.36	0	0	3.42	1.94	0.32	20.75	0.362	0	0	0	0	0	0	0	0
BC-1259	5.36	0	0	3.96	1.4	0.14	7.82	0.261	0	0	0	0	0	0	0	0
BC-1242	5.36	0	0	3.37	1.98	0.17	10.39	0.369	0	0	0	0	0	0	0	0
UT-1232	5.36	0	0	3.49	1.87	0.18	15.41	0.349	0	0	0	0	0	0	0	0
CC-J1350_1	5.36	0	0	3.56	1.8	0.33	29.08	0.336	0	0	0	0	0	0	0	0
PO-1223_2	5.36	0	0	4.63	0.73	0.12	13.87	0.137	0	0	0	0	0	0	0	0
CC-J1287_2	5.36	0	0	3.32	2.04	0.22	16.31	0.381	0	0	0	0	0	0	0	0
CC-J2789_2	5.36	0	0	3.51	1.85	0.06	6.56	0.346	0	0	0	0	0	0	0	0
PO-1295	5.36	0	0	3.58	1.77	0.23	12.53	0.33	0	0	0	0	0	0	0	0
CC-J1255	5.36	0	0	3.93	1.43	0.25	30.46	0.267	0	0	0	0	0	0	0	0
UT-1269_2	5.36	0	0	3.29	2.07	0.21	12.71	0.386	0	0	0	0	0	0	0	0
UT-6042417_3	5.36	0	0	3.11	2.25	0.22	11.72	0.419	0	0	0	0	0	0	0	0
BC-48	5.36	0	0	3.37	1.99	0.14	10.2	0.372	0	0	0	0	0	0	0	0
BC-66_2	5.36	0	0	2.54	2.81	0.2	14.97	0.524	0	0	0	0	0	0	0	0
PO-1299_1	5.36	0	0	4.77	0.59	0.15	10.73	0.111	0	0	0	0	0	0	0	0
UT-2990_1	5.36	0	0	3.36	2	0.52	39.35	0.373	0	0	0	0	0	0	0	0
UT-2919_2	5.36	0	0	4.02	1.34	0.32	27.55	0.25	0	0	0	0	0	0	0	0
CC-J2790_1	5.36	0	0	3.74	1.62	0.08	10.11	0.303	0	0	0	0	0	0	0	0
BC-1249	5.36	0	0	3.09	2.27	0.2	13.4	0.424	0	0	0	0	0	0	0	0
UT-1279	5.36	0	0	4.13	1.24	0.1	13.87	0.231	0	0	0	0	0	0	0	0
UT-10042417	5.36	0	0	3.13	2.23	0.78	29.11	0.415	0	0	0	0	0	0	0	0
CC-J2790_2	5.36	0	0	3.84	1.52	0.23	20.93	0.283	0	0	0	0	0	0	0	0
UT-11042417_1	5.36	0	0	3.08	2.28	0.76	36.36	0.425	0	0	0	0	0	0	0	0
BC-1289_5	5.36	0	0	3.87	1.49	0.18	13.02	0.277	0	0	0	0	0	0	0	0
BC-1305_1	5.36	0	0	3.56	1.8	0.27	23.68	0.335	0	0	0	0	0	0	0	0
CC-J3026	5.36	0	0	4.07	1.29	0.24	24.99	0.24	0	0	0	0	0	0	0	0
UT-2707_1	5.36	0	0	4.23	1.13	0.05	6.86	0.211	0	0	0	0	0	0	0	0
BC-1305_2	5.36	0	0	3.41	1.94	0.2	13.22	0.361	0	0	0	0	0	0	0	0
CC-J1287_3	5.36	0	0	4.2	1.16	0.18	20.74	0.217	0	0	0	0	0	0	0	0
PO-1297_2	5.36	0	0	4.75	0.61	0.1	13.18	0.113	0	0	0	0	0	0	0	0
BC-66_3	5.36	0	0	2.69	2.66	0.15	9.8	0.496	0	0	0	0	0	0	0	0
BC-49	5.36	0	0	3.34	2.02	0.26	17.09	0.378	0	0	0	0	0	0	0	0
BC-1293	5.36	0	0	3.5	1.85	0.17	11.89	0.346	0	0	0	0	0	0	0	0
UT-7042417_2	5.36	0	0	3.15	2.21	0.3	22.05	0.412	0	0	0	0	0	0	0	0
CC-J2965_1	5.36	0	0	4.19	1.16	0.12	10.65	0.217	0	0	0	0	0	0	0	0
CC-J2965_2	5.36	0	0	4.09	1.26	0.21	13.45	0.236	0	0	0	0	0	0	0	0
UT-2707_2	5.36	0	0	4.18	1.19	0.11	14.3	0.221	0	0	0	0	0	0	0	0
BC-72	5.36	0	0	2.92	2.44	0.37	30.11	0.454	0	0	0	0	0	0	0	0
PO-1346_1	5.36	0	0	3.87	1.49	0.23	19.57	0.277	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J127_1	5.36	0	0	3.44	1.92	0.27	16.62	0.358	0	0	0	0	0	0	0	0
UT-1283	5.36	0	0	3.66	1.7	0.17	14.86	0.317	0	0	0	0	0	0	0	0
PO-1285	5.36	0	0	3.35	2.01	0.26	18.02	0.374	0	0	0	0	0	0	0	0
BC-1358	5.36	0	0	3.45	1.92	0.25	17.21	0.357	0	0	0	0	0	0	0	0
CC-J127_2	5.36	0	0	3.56	1.8	0.15	6.76	0.337	0	0	0	0	0	0	0	0
UT-2990_2	5.36	0	0	3.59	1.77	0.12	12.21	0.33	0	0	0	0	0	0	0	0
BC-73_1	5.36	0	0	3.25	2.11	0.27	20.75	0.394	0	0	0	0	0	0	0	0
CC-J127_3	5.36	0	0	3.47	1.89	0.38	21.86	0.353	0	0	0	0	0	0	0	0
CC-J80_1	5.36	0	0	3.3	2.06	0.18	8.08	0.384	0	0	0	0	0	0	0	0
PO-1299_2	5.36	0	0	4.63	0.74	0.07	8.1	0.137	0	0	0	0	0	0	0	0
CC-J127_4	5.36	0	0	3.41	1.95	0.18	8.96	0.363	0	0	0	0	0	0	0	0
CC-J80_2	5.36	0	0	3.26	2.1	0.44	29.43	0.391	0	0	0	0	0	0	0	0
BC-1318	5.36	0	0	3.4	1.96	0.12	8.18	0.366	0	0	0	0	0	0	0	0
CC-J80_3	5.36	0	0	3.19	2.17	0.57	32.69	0.404	0	0	0	0	0	0	0	0
CC-J1291	5.36	0	0	3.79	1.57	0.16	14.29	0.293	0	0	0	0	0	0	0	0
BC-1354_1	5.36	0	0	4.15	1.2	0.21	17.34	0.224	0	0	0	0	0	0	0	0
BC-1336	5.36	0	0	3.91	1.45	0.28	21.2	0.271	0	0	0	0	0	0	0	0
BC-73_2	5.36	0	0	2.78	2.57	0.29	22.44	0.48	0	0	0	0	0	0	0	0
UT-1301_2	5.36	0	0	4	1.36	0.21	16.14	0.255	0	0	0	0	0	0	0	0
BC-1307	5.36	0	0	3.42	1.93	0.24	17.54	0.36	0	0	0	0	0	0	0	0
BC-1392_1	5.36	0	0	3.83	1.52	0.3	22.8	0.284	0	0	0	0	0	0	0	0
UT-2902	5.36	0	0	3.93	1.43	0.49	40.97	0.267	0	0	0	0	0	0	0	0
PO-1316	5.36	0	0	4.61	0.75	0.1	11.95	0.14	0	0	0	0	0	0	0	0
CC-J1406	5.36	0	0	4.6	0.76	0.12	15.77	0.141	0	0	0	0	0	0	0	0
BC-1332	5.36	0	0	3.75	1.61	0.13	14.14	0.3	0	0	0	0	0	0	0	0
CC-J127_5	5.36	0	0	3.24	2.11	0.31	15.61	0.394	0	0	0	0	0	0	0	0
UT-14042417_1	5.36	0	0	3.5	1.86	0.33	17.62	0.348	0	0	0	0	0	0	0	0
BC-1377_1	5.36	0	0	4.1	1.25	0.42	26.21	0.233	0	0	0	0	0	0	0	0
PO-1346_2	5.36	0	0	3.5	1.86	0.15	12.89	0.347	0	0	0	0	0	0	0	0
UT-14042417_2	5.36	0	0	3.31	2.05	0.15	12.8	0.382	0	0	0	0	0	0	0	0
PO-1364	5.36	0	0	4.5	0.86	0.06	7.12	0.16	0	0	0	0	0	0	0	0
UT-1403	5.36	0	0	4.14	1.23	0.33	18.18	0.229	0	0	0	0	0	0	0	0
BC-1396	5.36	0	0	3.57	1.78	0.22	15.42	0.331	0	0	0	0	0	0	0	0
CC-J1350_2	5.36	0	0	3.83	1.52	0.2	12	0.284	0	0	0	0	0	0	0	0
CC-J1344	5.36	0	0	4.79	0.57	0.07	9.79	0.107	0	0	0	0	0	0	0	0
BC-1420	5.36	0	0	3.87	1.48	0.32	26.17	0.277	0	0	0	0	0	0	0	0
CC-J127_6	5.36	0	0	3.14	2.22	0.26	16.47	0.414	0	0	0	0	0	0	0	0
BC-7	5.36	0	0	3.83	1.52	0.11	8.98	0.284	0	0	0	0	0	0	0	0
CC-J82	5.36	0	0	3.25	2.11	0.61	41.85	0.393	0	0	0	0	0	0	0	0
BC-1385_1	5.36	0	0	3	2.35	0.35	26.9	0.439	0	0	0	0	0	0	0	0
UT-13042417_1	5.36	0	0	4.09	1.27	0.39	27.83	0.236	0	0	0	0	0	0	0	0
UT-11042417_2	5.36	0	0	3.35	2.01	0.16	9.39	0.375	0	0	0	0	0	0	0	0
BC-1354_2	5.36	0	0	3.98	1.37	0.23	25.43	0.256	0	0	0	0	0	0	0	0
PO-2722	5.36	0	0	4.71	0.65	0.14	13.93	0.121	0	0	0	0	0	0	0	0
BC-1309	5.36	0	0	3.72	1.65	0.18	14.15	0.307	0	0	0	0	0	0	0	0
PO-1371	5.36	0	0	4.33	1.03	0.26	28.42	0.193	0	0	0	0	0	0	0	0
UT-1398_1	5.36	0	0	3.47	1.9	0.17	15.54	0.354	0	0	0	0	0	0	0	0
CC-J1426_1	5.36	0	0	3.66	1.69	0.27	15.76	0.316	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1362	5.36	0	0	3.98	1.37	0.15	9.33	0.256	0	0	0	0	0	0	0	0
UT-11042417_3	5.36	0	0	2.83	2.53	0.24	11.14	0.471	0	0	0	0	0	0	0	0
BC-5	5.36	0	0	4.42	0.94	0.09	13.06	0.175	0	0	0	0	0	0	0	0
CC-J1435	5.36	0	0	4.9	0.46	0.11	15.46	0.085	0	0	0	0	0	0	0	0
BC-1377_2	5.36	0	0	4.87	0.49	0.05	8.9	0.092	0	0	0	0	0	0	0	0
BC-1428_1	5.36	0	0	4.35	1	0.11	7.61	0.187	0	0	0	0	0	0	0	0
BC-2934	5.36	0	0	4.14	1.22	0.14	13.62	0.227	0	0	0	0	0	0	0	0
BC-1430	5.36	0	0	4.16	1.2	0.11	10.73	0.223	0	0	0	0	0	0	0	0
UT-1369_1	5.36	0	0	3.28	2.07	0.19	9.99	0.387	0	0	0	0	0	0	0	0
UT-1369_2	5.36	0	0	3	2.35	0.19	12.35	0.439	0	0	0	0	0	0	0	0
UT-1398_2	5.36	0	0	3.25	2.11	0.53	23.14	0.394	0	0	0	0	0	0	0	0
CC-J127_7	5.36	0	0	3.31	2.05	0.75	27.39	0.382	0	0	0	0	0	0	0	0
PO-21	5.36	0	0	4.31	1.05	0.07	6.55	0.195	0	0	0	0	0	0	0	0
BC-1390	5.36	0	0	3.41	1.95	0.18	12.37	0.365	0	0	0	0	0	0	0	0
PO-1480_1	5.36	0	0	4.56	0.8	0.13	10.92	0.15	0	0	0	0	0	0	0	0
UT-13042417_2	5.36	0	0	3.57	1.79	0.15	13.11	0.333	0	0	0	0	0	0	0	0
BC-1392_2	5.36	0	0	2.8	2.55	0.08	7.29	0.476	0	0	0	0	0	0	0	0
UT-11042417_4	5.36	0	0	3.61	1.75	0.17	15.48	0.326	0	0	0	0	0	0	0	0
BC-3024_1	5.36	0	0	4.97	0.39	0.02	4.98	0.073	0	0	0	0	0	0	0	0
PO-1480_2	5.36	0	0	4.46	0.9	0.22	24.79	0.167	0	0	0	0	0	0	0	0
BC-2795	5.36	0	0	4.14	1.22	0.21	17.96	0.228	0	0	0	0	0	0	0	0
CC-J80_4	5.36	0	0	2.9	2.46	0.29	20.68	0.458	0	0	0	0	0	0	0	0
BC-1482	5.36	0	0	4.74	0.62	0.05	8.37	0.116	0	0	0	0	0	0	0	0
BC-1475_1	5.36	0	0	3.83	1.53	0.16	14.43	0.285	0	0	0	0	0	0	0	0
BC-1392_3	5.36	0	0	3.77	1.59	0.22	16.13	0.296	0	0	0	0	0	0	0	0
PO-1446_1	5.36	0	0	3.87	1.48	0.38	25.57	0.277	0	0	0	0	0	0	0	0
UT-84_1	5.36	0	0	4.18	1.18	0.08	7.31	0.219	0	0	0	0	0	0	0	0
BC-1463	5.36	0	0	4.09	1.27	0.31	20.11	0.236	0	0	0	0	0	0	0	0
UT-41042417_1	5.36	0	0	3.4	1.96	0.16	15.09	0.365	0	0	0	0	0	0	0	0
BC-1428_2	5.36	0	0	3.66	1.69	0.13	9.35	0.315	0	0	0	0	0	0	0	0
CC-J1426_2	5.36	0	0	3.72	1.63	0.11	8.45	0.304	0	0	0	0	0	0	0	0
CC-MASJ1365_2	5.36	0	0	3.6	1.76	0.13	11.04	0.328	0	0	0	0	0	0	0	0
BC-2706	5.36	0	0	4.88	0.48	0.06	10.08	0.089	0	0	0	0	0	0	0	0
BC-1432	5.36	0	0	3.99	1.37	0.14	12.35	0.256	0	0	0	0	0	0	0	0
BC-3024_2	5.36	0	0	4.99	0.38	0.04	6.69	0.07	0	0	0	0	0	0	0	0
UT-123	5.36	0	0	3.31	2.05	0.24	18.56	0.383	0	0	0	0	0	0	0	0
CC-J1422	5.36	0	0	4.66	0.7	0.02	3.74	0.131	0	0	0	0	0	0	0	0
PO-1480_3	5.36	0	0	4.59	0.77	0.08	9.84	0.144	0	0	0	0	0	0	0	0
BC-1478_1	5.36	0	0	5.03	0.34	0.04	6.87	0.063	0	0	0	0	0	0	0	0
BC-1469_1	5.36	0	0	4.86	0.5	0.08	10.34	0.094	0	0	0	0	0	0	0	0
BC-1478_2	5.36	0	0	5.1	0.26	0.05	8.48	0.049	0	0	0	0	0	0	0	0
CC-J1426_3	5.36	0	0	4.73	0.63	0.08	10.36	0.118	0	0	0	0	0	0	0	0
BC-1475_2	5.36	0	0	4.32	1.04	0.08	9.49	0.194	0	0	0	0	0	0	0	0
UT-131	5.36	0	0	3.28	2.08	0.52	30.17	0.388	0	0	0	0	0	0	0	0
BC-1465_1	5.36	0	0	4.55	0.81	0.16	15.99	0.151	0	0	0	0	0	0	0	0
BC-2732_1	5.36	0	0	4.22	1.14	0.09	10.16	0.213	0	0	0	0	0	0	0	0
BC-1504	5.36	0	0	4.62	0.74	0.06	6.62	0.138	0	0	0	0	0	0	0	0
BC-2732_2	5.36	0	0	4.28	1.08	0.1	12.09	0.202	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J124_1	5.36	0	0	3.24	2.12	0.77	49.87	0.395	0	0	0	0	0	0	0	0
CC-J80_5	5.36	0	0	3.36	2.01	0.22	12.6	0.374	0	0	0	0	0	0	0	0
PO-1480_4	5.36	0	0	4.57	0.79	0.11	10.12	0.147	0	0	0	0	0	0	0	0
UT-2740_1	5.36	0	0	3.58	1.78	0.27	11.94	0.333	0	0	0	0	0	0	0	0
PO-1510_1	5.36	0	0	4.9	0.46	0.15	12.47	0.085	0	0	0	0	0	0	0	0
UT-1484_1	5.36	0	0	3.35	2.01	0.25	19.76	0.375	0	0	0	0	0	0	0	0
BC-30	5.36	0	0	4.6	0.76	0.06	7.9	0.141	0	0	0	0	0	0	0	0
UT-1484_2	5.36	0	0	3.45	1.91	0.15	8.7	0.356	0	0	0	0	0	0	0	0
BC-1475_3	5.36	0	0	4.11	1.25	0.18	14.13	0.233	0	0	0	0	0	0	0	0
BC-1469_2	5.36	0	0	4.74	0.62	0.04	6.75	0.116	0	0	0	0	0	0	0	0
CC-J3025_1	5.36	0	0	4.79	0.57	0.12	17.98	0.106	0	0	0	0	0	0	0	0
UT-84_2	5.36	0	0	4.58	0.78	0.22	22.01	0.146	0	0	0	0	0	0	0	0
CC-J1452	5.36	0	0	4.8	0.56	0.07	11.27	0.104	0	0	0	0	0	0	0	0
UT-41042417_2	5.36	0	0	3.38	1.98	0.35	19.72	0.369	0	0	0	0	0	0	0	0
PO-1446_2	5.36	0	0	4.43	0.93	0.1	10.56	0.173	0	0	0	0	0	0	0	0
UT-12042417	5.36	0	0	3.64	1.72	0.31	26.75	0.321	0	0	0	0	0	0	0	0
BC-2732_3	5.36	0	0	4.98	0.38	0.03	5.78	0.071	0	0	0	0	0	0	0	0
BC-1469_3	5.36	0	0	4.68	0.68	0.06	8.65	0.127	0	0	0	0	0	0	0	0
PO-1500	5.36	0	0	3.44	1.92	0.31	27.24	0.357	0	0	0	0	0	0	0	0
PO-1454	5.36	0	0	4.69	0.67	0.17	22.08	0.126	0	0	0	0	0	0	0	0
UT-18042417	5.36	0	0	3.46	1.9	0.13	9.9	0.354	0	0	0	0	0	0	0	0
CC-J124_2	5.36	0	0	2.95	2.41	0.24	14.16	0.449	0	0	0	0	0	0	0	0
BC-31	5.36	0	0	4.38	0.98	0.29	20.67	0.183	0	0	0	0	0	0	0	0
UT-19042417_1	5.36	0	0	3.68	1.68	0.24	19.46	0.312	0	0	0	0	0	0	0	0
BC-1465_2	5.36	0	0	4.11	1.25	0.12	7.85	0.233	0	0	0	0	0	0	0	0
UT-2740_2	5.36	0	0	3.38	1.98	0.36	24.99	0.369	0	0	0	0	0	0	0	0
BC-2723_1	5.36	0	0	4.78	0.58	0.07	10.51	0.108	0	0	0	0	0	0	0	0
CC-J2907	5.36	0	0	3.49	1.87	0.27	15.86	0.35	0	0	0	0	0	0	0	0
UT-1484_3	5.36	0	0	3.37	1.99	0.16	12.15	0.371	0	0	0	0	0	0	0	0
UT-19042417_2	5.36	0	0	3.86	1.5	0.54	41.99	0.279	0	0	0	0	0	0	0	0
BC-2781	5.36	0	0	4.9	0.46	0.09	14.73	0.085	0	0	0	0	0	0	0	0
BC-2732_4	5.36	0	0	4.68	0.68	0.02	2.94	0.127	0	0	0	0	0	0	0	0
CC-J124_3	5.36	0	0	3	2.36	0.27	19.21	0.44	0	0	0	0	0	0	0	0
BC-2723_2	5.36	0	0	4.7	0.66	0.06	9.25	0.123	0	0	0	0	0	0	0	0
CC-J1544_1	5.36	0	0	3.33	2.03	0.29	17.51	0.379	0	0	0	0	0	0	0	0
CC-J1544_2	5.36	0	0	3.37	2	0.16	12.09	0.372	0	0	0	0	0	0	0	0
BC-2937	5.36	0	0	4.36	0.99	0.16	14.83	0.186	0	0	0	0	0	0	0	0
BC-3023	5.36	0	0	4.82	0.54	0.08	13.01	0.1	0	0	0	0	0	0	0	0
BC-1538_1	5.36	0	0	4.66	0.7	0.06	8.64	0.13	0	0	0	0	0	0	0	0
PO-3004_1	5.36	0	0	4.2	1.16	0.21	24.62	0.217	0	0	0	0	0	0	0	0
CC-J1536_1	5.36	0	0	4.82	0.54	0.05	7.78	0.102	0	0	0	0	0	0	0	0
PO-1553	5.36	0	0	4.76	0.6	0.12	12.7	0.112	0	0	0	0	0	0	0	0
CC-J1527	5.36	0	0	3.08	2.28	0.22	15.85	0.425	0	0	0	0	0	0	0	0
CC-J1584_1	5.36	0	0	2.7	2.65	0.27	17.8	0.494	0	0	0	0	0	0	0	0
BC-1525	5.36	0	0	4.89	0.47	0.08	10.56	0.088	0	0	0	0	0	0	0	0
CC-J2699_1	5.36	0	0	3.42	1.94	0.3	20.86	0.362	0	0	0	0	0	0	0	0
BC-1590_1	5.36	0	0	4.25	1.11	0.19	17.57	0.206	0	0	0	0	0	0	0	0
CC-J1536_2	5.36	0	0	4.84	0.52	0.04	5.99	0.097	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-2740_3	5.36	0	0	3.34	2.03	0.16	12.82	0.378	0	0	0	0	0	0	0	0
UT-20042417_1	5.36	0	0	4.48	0.88	0.25	19.85	0.164	0	0	0	0	0	0	0	0
UT-19042417_3	5.36	0	0	3.67	1.69	0.11	9.08	0.315	0	0	0	0	0	0	0	0
CC-J3025_2	5.36	0	0	4.97	0.39	0.05	2.55	0.073	0	0	0	0	0	0	0	0
BC-1538_2	5.36	0	0	4.84	0.52	0.13	16.56	0.097	0	0	0	0	0	0	0	0
CC-J1584_2	5.36	0	0	3.23	2.13	0.16	12.15	0.398	0	0	0	0	0	0	0	0
UT-20042417_2	5.36	0	0	4.02	1.34	0.12	13.3	0.25	0	0	0	0	0	0	0	0
BC-1560	5.36	0	0	4.04	1.32	0.15	14.37	0.246	0	0	0	0	0	0	0	0
PO-1510_2	5.36	0	0	4.56	0.8	0.19	14.05	0.149	0	0	0	0	0	0	0	0
CC-J2699_2	5.36	0	0	2.86	2.49	0.29	19.65	0.465	0	0	0	0	0	0	0	0
CC-J1584_3	5.36	0	0	2.72	2.63	0.33	17.46	0.491	0	0	0	0	0	0	0	0
CC-J1601	5.36	0	0	3.16	2.19	0.32	20.83	0.409	0	0	0	0	0	0	0	0
BC-1571_1	5.36	0	0	4.73	0.63	0.06	9.07	0.118	0	0	0	0	0	0	0	0
BC-1567_1	5.36	0	0	4.45	0.91	0.11	13.8	0.17	0	0	0	0	0	0	0	0
BC-1567_2	5.36	0	0	3.91	1.45	0.14	12.49	0.27	0	0	0	0	0	0	0	0
BC-1593_1	5.36	0	0	4.79	0.57	0.06	8.72	0.107	0	0	0	0	0	0	0	0
BC-2973_1	5.36	0	0	5.12	0.24	0.05	2.3	0.044	0	0	0	0	0	0	0	0
BC-1542	5.36	0	0	4.02	1.34	0.12	10.86	0.25	0	0	0	0	0	0	0	0
CC-J1588_1	5.36	0	0	4.11	1.25	0.22	12.73	0.233	0	0	0	0	0	0	0	0
BC-1571_2	5.36	0	0	3.96	1.4	0.12	12.6	0.261	0	0	0	0	0	0	0	0
BC-2973_2	5.36	0	0	4.79	0.58	0.06	8.74	0.107	0	0	0	0	0	0	0	0
CC-J2699_3	5.36	0	0	2.84	2.51	0.22	17.04	0.469	0	0	0	0	0	0	0	0
CC-J1619	5.36	0	0	3.37	1.99	0.15	10.88	0.372	0	0	0	0	0	0	0	0
BC-1615	5.36	0	0	4.75	0.62	0.01	2.1	0.115	0	0	0	0	0	0	0	0
CC-J1597_1	5.36	0	0	2.49	2.86	0.25	13.75	0.534	0	0	0	0	0	0	0	0
CC-J1647	5.36	0	0	3.69	1.67	0.53	42.27	0.311	0	0	0	0	0	0	0	0
PO-2900_1	5.36	0	0	4.76	0.6	0.11	10.55	0.112	0	0	0	0	0	0	0	0
PO-3004_2	5.36	0	0	3.73	1.63	0.12	9.92	0.304	0	0	0	0	0	0	0	0
UT-20042417_3	5.36	0	0	3.55	1.81	0.17	12.15	0.338	0	0	0	0	0	0	0	0
CC-J3025_3	5.36	0	0	4.82	0.54	0.11	14.14	0.101	0	0	0	0	0	0	0	0
PO-1613_1	5.36	0	0	4.16	1.2	0.17	15.79	0.224	0	0	0	0	0	0	0	0
BC-33	5.36	0	0	5.05	0.31	0.03	5.52	0.057	0	0	0	0	0	0	0	0
UT-21042417_1	5.36	0	0	3.44	1.92	0.22	13.57	0.359	0	0	0	0	0	0	0	0
CC-J74_1	5.36	0	0	4.56	0.8	0.15	12.2	0.149	0	0	0	0	0	0	0	0
BC-1590_2	5.36	0	0	2.72	2.63	0.21	14.23	0.491	0	0	0	0	0	0	0	0
CC-J1653_1	5.36	0	0	3.7	1.65	0.32	19.3	0.308	0	0	0	0	0	0	0	0
BC-11_1	5.36	0	0	5.27	0.1	0.01	0.31	0.018	0	0	0	0	0	0	0	0
BC-1609	5.36	0	0	4.88	0.48	0.09	11.47	0.09	0	0	0	0	0	0	0	0
PO-1633_1	5.36	0	0	4.56	0.8	0.04	4.67	0.148	0	0	0	0	0	0	0	0
BC-1629	5.36	0	0	3.11	2.24	0.26	24.2	0.418	0	0	0	0	0	0	0	0
CC-J1627_1	5.36	0	0	4.53	0.83	0.13	12.27	0.155	0	0	0	0	0	0	0	0
UT-28042417	5.36	0	0	4.77	0.59	0.11	9.31	0.11	0	0	0	0	0	0	0	0
UT-29042417	5.36	0	0	4.6	0.76	0.19	11.54	0.141	0	0	0	0	0	0	0	0
CC-J1597_2	5.36	0	0	3.92	1.43	0.36	27.89	0.268	0	0	0	0	0	0	0	0
CC-J76_1	5.36	0	0	3.76	1.6	0.24	16.15	0.298	0	0	0	0	0	0	0	0
UT-27042417_1	5.36	0	0	4.35	1.01	0.21	15.41	0.188	0	0	0	0	0	0	0	0
BC-11_2	5.36	0	0	4.58	0.79	0.31	24.67	0.146	0	0	0	0	0	0	0	0
BC-11_3	5.36	0	0	4.84	0.52	0.04	5.68	0.097	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-21042417_2	5.36	0	0	4.15	1.21	0.12	10.77	0.225	0	0	0	0	0	0	0	0
PO-36	5.36	0	0	4.8	0.56	0.08	9.14	0.104	0	0	0	0	0	0	0	0
UT-21042417_3	5.36	0	0	3.7	1.67	0.09	7.96	0.311	0	0	0	0	0	0	0	0
CC-J1588_2	5.36	0	0	4.13	1.23	0.13	10.22	0.229	0	0	0	0	0	0	0	0
PO-1613_2	5.36	0	0	4.71	0.65	0.05	5.51	0.121	0	0	0	0	0	0	0	0
CC-J1623	5.36	0	0	3.98	1.38	0.21	15.88	0.257	0	0	0	0	0	0	0	0
BC-1593_2	5.36	0	0	4.9	0.47	0.04	8.46	0.087	0	0	0	0	0	0	0	0
BC-32	5.36	0	0	3.16	2.2	0.15	12.04	0.41	0	0	0	0	0	0	0	0
PO-1633_2	5.36	0	0	4.34	1.02	0.17	10.05	0.19	0	0	0	0	0	0	0	0
UT-23042417_1	5.36	0	0	4.57	0.79	0.08	9.7	0.148	0	0	0	0	0	0	0	0
UT-27042417_2	5.36	0	0	4.51	0.85	0.09	7.74	0.159	0	0	0	0	0	0	0	0
CC-J1660	5.36	0	0	4.18	1.18	0.11	13.54	0.22	0	0	0	0	0	0	0	0
CC-J1653_2	5.36	0	0	3.69	1.67	0.21	14.93	0.311	0	0	0	0	0	0	0	0
BC-1625	5.36	0	0	4.95	0.42	0.05	5.99	0.077	0	0	0	0	0	0	0	0
CC-J74_2	5.36	0	0	4.6	0.76	0.07	6.63	0.142	0	0	0	0	0	0	0	0
UT-25042417	5.36	0	0	4.61	0.75	0.07	6.61	0.141	0	0	0	0	0	0	0	0
BC-1662_1	5.36	0	0	5.33	0.03	0.01	0.34	0.005	0	0	0	0	0	0	0	0
UT-26042417	5.36	0	0	4.31	1.05	0.08	7.98	0.196	0	0	0	0	0	0	0	0
BC-1635	5.36	0	0	3.67	1.68	0.23	19.79	0.314	0	0	0	0	0	0	0	0
CC-J9	5.36	0	0	4.58	0.78	0.12	9.99	0.145	0	0	0	0	0	0	0	0
UT-22042417	5.36	0	0	4.29	1.08	0.08	9.66	0.201	0	0	0	0	0	0	0	0
UT-24042417	5.36	0	0	4.28	1.08	0.18	16.17	0.201	0	0	0	0	0	0	0	0
BC-1683	5.36	0	0	4.1	1.26	0.36	31.91	0.235	0	0	0	0	0	0	0	0
CC-J76_2	5.36	0	0	3.93	1.43	0.14	10.07	0.266	0	0	0	0	0	0	0	0
PO-1637	5.36	0	0	4.43	0.92	0.15	7.38	0.172	0	0	0	0	0	0	0	0
PO-1673	5.36	0	0	4.8	0.56	0.09	13.89	0.105	0	0	0	0	0	0	0	0
UT-21042417_4	5.36	0	0	3.51	1.86	0.2	12.82	0.346	0	0	0	0	0	0	0	0
BC-2968	5.36	0	0	4.14	1.22	0.17	16.37	0.228	0	0	0	0	0	0	0	0
CC-J1627_2	5.36	0	0	3.91	1.45	0.18	13.13	0.271	0	0	0	0	0	0	0	0
BC-1645_1	5.36	0	0	4.03	1.33	0.18	15.29	0.249	0	0	0	0	0	0	0	0
PO-2726	5.36	0	0	4.78	0.58	0.04	6.23	0.108	0	0	0	0	0	0	0	0
BC-1643	5.36	0	0	4.61	0.75	0.06	5.95	0.14	0	0	0	0	0	0	0	0
CC-J2869	5.36	0	0	4.54	0.81	0.04	2.64	0.151	0	0	0	0	0	0	0	0
CC-J1649	5.36	0	0	4.24	1.12	0.14	9.27	0.208	0	0	0	0	0	0	0	0
CC-J2864_1	5.36	0	0	5.32	0.04	0.02	0.97	0.007	0	0	0	0	0	0	0	0
BC-2924	5.36	0	0	4.85	0.52	0.04	6.85	0.096	0	0	0	0	0	0	0	0
CC-J1627_3	5.36	0	0	4.86	0.5	0.09	9.64	0.093	0	0	0	0	0	0	0	0
BC-1729_1	5.36	0	0	3.32	2.04	0.38	26.21	0.38	0	0	0	0	0	0	0	0
BC-2797	5.36	0	0	4.52	0.85	0.07	8.17	0.158	0	0	0	0	0	0	0	0
CC-J1669_1	5.36	0	0	5.15	0.2	0.03	1.53	0.038	0	0	0	0	0	0	0	0
UT-23042417_2	5.36	0	0	4.39	0.98	0.09	8.46	0.182	0	0	0	0	0	0	0	0
BC-87	5.36	0	0	2.74	2.61	0.32	25.48	0.487	0	0	0	0	0	0	0	0
BC-2750	5.36	0	0	4.07	1.29	0.15	18.27	0.241	0	0	0	0	0	0	0	0
CC-J76_3	5.36	0	0	4.7	0.66	0.05	6.68	0.123	0	0	0	0	0	0	0	0
CC-J76_4	5.36	0	0	4.56	0.8	0.08	8.9	0.15	0	0	0	0	0	0	0	0
BC-1662_2	5.36	0	0	4.4	0.96	0.13	16.95	0.18	0	0	0	0	0	0	0	0
PO-1677_1	5.36	0	0	5.16	0.2	0.02	1.2	0.038	0	0	0	0	0	0	0	0
CC-J1588_3	5.36	0	0	4.83	0.53	0.07	8.04	0.098	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
PO-1677_2	5.36	0	0	5.35	0.01	0	0.15	0.003	0	0	0	0	0	0	0	0
BC-1704	5.36	0	0	4.26	1.1	0.03	3.47	0.205	0	0	0	0	0	0	0	0
BC-1111	5.36	0	0	3.93	1.43	0.18	15.54	0.266	0	0	0	0	0	0	0	0
CC-J2898	5.36	0	0	4.46	0.89	0.1	10.07	0.167	0	0	0	0	0	0	0	0
PO-2900_2	5.36	0	0	5.36	0	0	0	0	0	0	0	0	0	0	0	0
BC-1645_2	5.36	0	0	4.39	0.97	0.11	9.62	0.181	0	0	0	0	0	0	0	0
BC-2885	5.36	0	0	2.92	2.44	0.29	21.06	0.454	0	0	0	0	0	0	0	0
BC-1691_1	5.36	0	0	3.76	1.6	0.11	8.3	0.298	0	0	0	0	0	0	0	0
BC-1679_1	5.36	0	0	4.64	0.72	0.17	16.25	0.135	0	0	0	0	0	0	0	0
BC-1707_1	5.36	0	0	3.32	2.03	0.18	12.97	0.379	0	0	0	0	0	0	0	0
CC-J1669_2	5.36	0	0	4.92	0.44	0.03	1.48	0.081	0	0	0	0	0	0	0	0
BC-1729_2	5.36	0	0	3.77	1.59	0.22	16.61	0.296	0	0	0	0	0	0	0	0
BC-1679_2	5.36	0	0	4.57	0.79	0.11	10.82	0.147	0	0	0	0	0	0	0	0
BC-1691_2	5.36	0	0	3.82	1.54	0.21	14.22	0.287	0	0	0	0	0	0	0	0
PO-1687	5.36	0	0	5.35	0.01	0	0.02	0.001	0	0	0	0	0	0	0	0
BC-1679_3	5.36	0	0	4.73	0.63	0.08	9.11	0.117	0	0	0	0	0	0	0	0
UT-30042417_1	5.36	0	0	4.31	1.05	0.13	13.99	0.196	0	0	0	0	0	0	0	0
UT-30042417_2	5.36	0	0	5.13	0.23	0.03	4.38	0.043	0	0	0	0	0	0	0	0
PO-2963_1	5.36	0	0	5.29	0.07	0.02	1.02	0.013	0	0	0	0	0	0	0	0
PO-1675	5.36	0	0	5.36	0	0	0	0	0	0	0	0	0	0	0	0
CC-J2994	5.36	0	0	5.35	0.01	0	0.06	0.001	0	0	0	0	0	0	0	0
CC-J2864_2	5.36	0	0	5.08	0.28	0.06	2.78	0.053	0	0	0	0	0	0	0	0
PO-2963_2	5.36	0	0	5.18	0.18	0.06	2.95	0.033	0	0	0	0	0	0	0	0
CC-J1693	5.36	0	0	5.35	0.01	0	0.04	0.001	0	0	0	0	0	0	0	0
PO-2960	5.36	0	0	5.36	0	0	0.01	0	0	0	0	0	0	0	0	0
BC-1770_1	5.36	0	0	4.38	0.98	0.31	21.12	0.182	0	0	0	0	0	0	0	0
BC-1681	5.36	0	0	3.99	1.36	0.12	8.94	0.254	0	0	0	0	0	0	0	0
BC-1721_1	5.36	0	0	3.34	2.02	0.39	32.49	0.376	0	0	0	0	0	0	0	0
BC-1707_2	5.36	0	0	3.4	1.95	0.41	26.76	0.364	0	0	0	0	0	0	0	0
BC-1713_1	5.36	0	0	2.47	2.88	0.27	17.33	0.537	0	0	0	0	0	0	0	0
CC-J1699	5.36	0	0	4.38	0.97	0.13	8.45	0.182	0	0	0	0	0	0	0	0
CC-J46_1	5.36	0	0	4.9	0.47	0.04	6.01	0.087	0	0	0	0	0	0	0	0
CC-J1719	5.36	0	0	4.01	1.34	0.32	15.41	0.249	0	0	0	0	0	0	0	0
CC-J112	5.36	0	0	3.25	2.1	0.1	7.96	0.391	0	0	0	0	0	0	0	0
CC-MASJ3041_1	5.36	0	0	5.02	0.34	0.04	1.92	0.063	0	0	0	0	0	0	0	0
CC-J46_2	5.36	0	0	4.77	0.59	0.04	5.17	0.111	0	0	0	0	0	0	0	0
CC-J3002_1	5.36	0	0	5.35	0.01	0	0.2	0.002	0	0	0	0	0	0	0	0
CC-J3002_2	5.36	0	0	5.35	0.01	0	0.03	0.001	0	0	0	0	0	0	0	0
CC-MASJ140_1	5.36	0	0	4.38	0.97	0.05	2.52	0.181	0	0	0	0	0	0	0	0
CC-M31042417_1	5.36	0	0	5.34	0.02	0	0.17	0.005	0	0	0	0	0	0	0	0
CC-J3001_1	5.36	0	0	4.9	0.46	0.11	13.56	0.087	0	0	0	0	0	0	0	0
BC-1713_2	5.36	0	0	3.56	1.8	0.35	22.75	0.335	0	0	0	0	0	0	0	0
CC-J46_3	5.36	0	0	5.35	0.01	0	0.03	0.001	0	0	0	0	0	0	0	0
CC-J3001_2	5.36	0	0	5.36	0	0	0	0	0	0	0	0	0	0	0	0
CC-M31042417_2	5.36	0	0	5.36	0	0	0.02	0	0	0	0	0	0	0	0	0
CC-J2864_3	5.36	0	0	3.33	2.02	0.32	25.65	0.377	0	0	0	0	0	0	0	0
CC-J2923_1	5.36	0	0	4.2	1.15	0.17	8.14	0.214	0	0	0	0	0	0	0	0
BC-1707_3	5.36	0	0	3.16	2.2	0.41	23.28	0.41	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1763_1	5.36	0	0	5.36	0.01	0	0.1	0.001	0	0	0	0	0	0	0	0
BC-1721_2	5.36	0	0	3.68	1.67	0.12	9	0.312	0	0	0	0	0	0	0	0
BC-1735	5.36	0	0	3.88	1.48	0.3	26.73	0.277	0	0	0	0	0	0	0	0
BC-1780	5.36	0	0	3.71	1.65	0.22	18.87	0.308	0	0	0	0	0	0	0	0
CC-J2949	5.36	0	0	5.31	0.05	0.01	0.27	0.009	0	0	0	0	0	0	0	0
CC-J2923_2	5.36	0	0	4.99	0.37	0.08	3.77	0.069	0	0	0	0	0	0	0	0
BC-1745	5.36	0	0	3.77	1.59	0.14	11.08	0.296	0	0	0	0	0	0	0	0
CC-J2832_1	5.36	0	0	4	1.34	0.17	8.18	0.251	0	0	0	0	0	0	0	0
CC-J1776_1	5.36	0	0	3.62	1.72	0.18	8.44	0.321	0	0	0	0	0	0	0	0
CC-J39_1	5.36	0	0	5.31	0.05	0	0.24	0.01	0	0	0	0	0	0	0	0
CC-J3002_3	5.36	0	0	5.36	0	0	0	0	0	0	0	0	0	0	0	0
CC-J2846_1	5.36	0	0	4.82	0.54	0.15	7.09	0.101	0	0	0	0	0	0	0	0
CC-MASJ140_2	5.36	0	0	5.35	0.01	0	0.05	0.002	0	0	0	0	0	0	0	0
CC-J2923_3	5.36	0	0	4.44	0.92	0.08	3.92	0.171	0	0	0	0	0	0	0	0
BC-1758_1	5.36	0	0	3.54	1.82	0.16	11.92	0.339	0	0	0	0	0	0	0	0
BC-1758_2	5.36	0	0	3.17	2.18	0.24	18.58	0.407	0	0	0	0	0	0	0	0
CC-J39_2	5.36	0	0	5.21	0.15	0.02	0.79	0.029	0	0	0	0	0	0	0	0
CC-J41	5.36	0	0	5.35	0.01	0	0.09	0.002	0	0	0	0	0	0	0	0
BC-1721_3	5.36	0	0	3.11	2.24	0.18	12.69	0.418	0	0	0	0	0	0	0	0
BC-1758_3	5.36	0	0	3.05	2.3	0.2	14.88	0.43	0	0	0	0	0	0	0	0
CC-M31042417_3	5.36	0	0	5.36	0	0	0	0	0	0	0	0	0	0	0	0
CC-J47_1	5.36	0	0	5.36	0	0	0	0	0	0	0	0	0	0	0	0
CC-J1819	5.36	0	0	4.05	1.31	0.43	36.43	0.245	0	0	0	0	0	0	0	0
UT-32042417	5.36	0	0	5.36	0	0	0	0	0	0	0	0	0	0	0	0
CC-J2864_4	5.36	0	0	2.86	2.49	0.58	38.02	0.465	0	0	0	0	0	0	0	0
CC-MASJ140_3	5.36	0	0	5.33	0.03	0	0.17	0.006	0	0	0	0	0	0	0	0
BC-2901	5.36	0	0	3.93	1.42	0.05	4.34	0.266	0	0	0	0	0	0	0	0
PO-2963_3	5.36	0	0	4.91	0.45	0.06	2.74	0.083	0	0	0	0	0	0	0	0
CC-J2846_2	5.36	0	0	4.66	0.69	0.19	9.02	0.129	0	0	0	0	0	0	0	0
CC-J46_4	5.36	0	0	5.11	0.25	0.03	1.32	0.046	0	0	0	0	0	0	0	0
CC-J2999	5.36	0	0	5.17	0.19	0.03	1.26	0.036	0	0	0	0	0	0	0	0
CC-MASJ3041_2	5.36	0	0	5.36	0	0	0	0	0	0	0	0	0	0	0	0
CC-J1776_2	5.36	0	0	5.3	0.06	0.01	0.41	0.012	0	0	0	0	0	0	0	0
CC-MASJ3041_3	5.36	0	0	5.04	0.32	0.05	7.18	0.06	0	0	0	0	0	0	0	0
CC-J2832_2	5.36	0	0	4.9	0.46	0.04	2.09	0.086	0	0	0	0	0	0	0	0
CC-J1763_2	5.36	0	0	5.33	0.03	0	0.11	0.006	0	0	0	0	0	0	0	0
BC-1824_1	5.36	0	0	3.61	1.75	0.28	18.61	0.326	0	0	0	0	0	0	0	0
CC-J2832_3	5.36	0	0	4.57	0.79	0.05	2.62	0.146	0	0	0	0	0	0	0	0
CC-J3001_3	5.36	0	0	5.03	0.33	0.07	3.33	0.062	0	0	0	0	0	0	0	0
CC-J2923_4	5.36	0	0	4.82	0.53	0.08	3.67	0.099	0	0	0	0	0	0	0	0
CC-J2923_5	5.36	0	0	5.12	0.24	0.05	2.31	0.045	0	0	0	0	0	0	0	0
CC-J3001_4	5.36	0	0	3.67	1.68	0.2	16.5	0.314	0	0	0	0	0	0	0	0
CC-J60_1	5.36	0	0	3.58	1.77	0.3	17.57	0.33	0	0	0	0	0	0	0	0
CC-J2978_1	5.36	0	0	5.32	0.04	0	0.15	0.007	0	0	0	0	0	0	0	0
CC-J2991	5.36	0	0	4.77	0.59	0.11	7.32	0.109	0	0	0	0	0	0	0	0
CC-J2971_1	5.36	0	0	5.35	0.01	0	0.03	0.001	0	0	0	0	0	0	0	0
CC-MASJ2948	5.36	0	0	3.49	1.87	0.55	43.62	0.348	0	0	0	0	0	0	0	0
CC-J45	5.36	0	0	2.79	2.56	0.24	15.54	0.477	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
BC-1793_1	5.36	0	0	3.32	2.03	0.29	20.41	0.379	0	0	0	0	0	0	0	0
CC-J2971_2	5.36	0	0	5.17	0.19	0.01	0.62	0.035	0	0	0	0	0	0	0	0
BC-1797_1	5.36	0	0	4.03	1.33	0.17	11.9	0.247	0	0	0	0	0	0	0	0
CC-J47_2	5.36	0	0	4.76	0.6	0.05	7.06	0.112	0	0	0	0	0	0	0	0
CC-J68	5.36	0	0	3.62	1.73	0.46	32.79	0.323	0	0	0	0	0	0	0	0
BC-1770_2	5.36	0	0	3.67	1.69	0.23	16.2	0.314	0	0	0	0	0	0	0	0
BC-1795	5.36	0	0	3.96	1.4	0.19	14.61	0.262	0	0	0	0	0	0	0	0
CC-J2832_4	5.36	0	0	5.35	0.01	0	0.07	0.003	0	0	0	0	0	0	0	0
CC-J1776_3	5.36	0	0	4.46	0.9	0.22	20.92	0.168	0	0	0	0	0	0	0	0
CC-J1842_1	5.36	0	0	4.8	0.56	0.19	15	0.104	0	0	0	0	0	0	0	0
CC-J2832_5	5.36	0	0	4.96	0.4	0.03	1.54	0.074	0	0	0	0	0	0	0	0
CC-MASJ1803	5.36	0	0	2.9	2.46	0.34	18.7	0.459	0	0	0	0	0	0	0	0
BC-1793_2	5.36	0	0	3.36	2	0.24	19.13	0.373	0	0	0	0	0	0	0	0
CC-J2971_3	5.36	0	0	5.36	0	0	0	0	0	0	0	0	0	0	0	0
CC-M33042417	5.36	0	0	5.36	0	0	0	0	0	0	0	0	0	0	0	0
BC-1797_2	5.36	0	0	3.79	1.57	0.21	15.78	0.293	0	0	0	0	0	0	0	0
BC-1817_1	5.36	0	0	2.85	2.5	0.26	20.82	0.466	0	0	0	0	0	0	0	0
CC-MASJ108	5.36	0	0	3.17	2.19	0.2	13.31	0.408	0	0	0	0	0	0	0	0
CC-J1815	5.36	0	0	3.48	1.88	0.31	28.15	0.35	0	0	0	0	0	0	0	0
CC-MASJ110	5.36	0	0	2.73	2.62	0.36	21.85	0.489	0	0	0	0	0	0	0	0
CC-J2978_2	5.36	0	0	5.35	0.02	0	0.03	0.003	0	0	0	0	0	0	0	0
CC-J2971_4	5.36	0	0	4.96	0.39	0.05	2.58	0.074	0	0	0	0	0	0	0	0
BC-1817_2	5.36	0	0	2.75	2.61	0.29	21.34	0.486	0	0	0	0	0	0	0	0
CC-J1846_1	5.36	0	0	3.07	2.29	0.41	26.71	0.427	0	0	0	0	0	0	0	0
CC-J1846_2	5.36	0	0	2.98	2.38	0.7	47.3	0.443	0	0	0	0	0	0	0	0
CC-J2971_5	5.36	0	0	3.52	1.84	0.88	70.46	0.344	0	0	0	0	0	0	0	0
CC-J2846_3	5.36	0	0	5.36	0	0	0	0	0	0	0	0	0	0	0	0
CC-J2832_6	5.36	0	0	3.16	2.2	0.26	22.15	0.41	0	0	0	0	0	0	0	0
CC-J2832_7	5.36	0	0	5.36	0	0	0	0	0	0	0	0	0	0	0	0
BC-3524	5.36	0	0	3.76	1.6	0.15	13.98	0.298	0	0	0	0	0	0	0	0
CC-MASJ1801	5.36	0	0	2.73	2.63	0.21	16.39	0.49	0	0	0	0	0	0	0	0
CC-J2923_6	5.36	0	0	5.36	0	0	0.02	0	0	0	0	0	0	0	0	0
CC-J2832_8	5.36	0	0	3.87	1.48	0.16	17.9	0.277	0	0	0	0	0	0	0	0
CC-J2846_4	5.36	0	0	4.65	0.71	0.05	5.43	0.133	0	0	0	0	0	0	0	0
CC-J1844_1	5.36	0	0	3.13	2.23	0.22	21.06	0.416	0	0	0	0	0	0	0	0
CC-J2846_5	5.36	0	0	4.21	1.14	0.14	8.56	0.213	0	0	0	0	0	0	0	0
CC-J1831_1	5.36	0	0	3.41	1.95	0.15	14.44	0.363	0	0	0	0	0	0	0	0
BC-1817_3	5.36	0	0	2.88	2.48	0.19	13.77	0.463	0	0	0	0	0	0	0	0
CC-J1848_1	5.36	0	0	3.12	2.24	0.17	11.46	0.418	0	0	0	0	0	0	0	0
CC-J1848_2	5.36	0	0	2.97	2.39	0.34	22.16	0.446	0	0	0	0	0	0	0	0
CC-J2832_9	5.36	0	0	5.17	0.19	0.02	1.05	0.036	0	0	0	0	0	0	0	0
BC-1824_2	5.36	0	0	3.09	2.27	0.19	15.2	0.424	0	0	0	0	0	0	0	0
BC-1824_3	5.36	0	0	3.12	2.24	0.16	12.25	0.418	0	0	0	0	0	0	0	0
CC-J2835	5.36	0	0	3.46	1.9	0.14	10.89	0.354	0	0	0	0	0	0	0	0
CC-J60_2	5.36	0	0	2.69	2.66	0.35	17.63	0.495	0	0	0	0	0	0	0	0
CC-J1838	5.36	0	0	2.88	2.48	0.2	14.92	0.462	0	0	0	0	0	0	0	0
CC-J2923_7	5.36	0	0	5.19	0.17	0.04	6.7	0.031	0	0	0	0	0	0	0	0
BC-3557	5.36	0	0	3.81	1.55	0.2	15.77	0.288	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1829_1	5.36	0	0	3.03	2.33	0.17	11.14	0.434	0	0	0	0	0	0	0	0
CC-J2832_10	5.36	0	0	2.81	2.55	0.19	15.59	0.475	0	0	0	0	0	0	0	0
CC-J1829_2	5.36	0	0	3.24	2.11	0.23	14.1	0.394	0	0	0	0	0	0	0	0
BC-3561	5.36	0	0	4.07	1.29	0.13	4.74	0.24	0	0	0	0	0	0	0	0
BC-3564	5.36	0	0	3.9	1.46	0.12	11.22	0.272	0	0	0	0	0	0	0	0
CC-MASJ114	5.36	0	0	2.49	2.86	0.45	28.39	0.533	0	0	0	0	0	0	0	0
CC-J1842_2	5.36	0	0	3.94	1.42	0.11	8.28	0.265	0	0	0	0	0	0	0	0
CC-J1891_1	5.36	0	0	3.76	1.6	0.19	15.82	0.299	0	0	0	0	0	0	0	0
CC-J1831_2	5.36	0	0	4.28	1.08	0.2	12.27	0.201	0	0	0	0	0	0	0	0
CC-J1894	5.36	0	0	3.9	1.46	0.2	13.6	0.271	0	0	0	0	0	0	0	0
CC-J1850	5.36	0	0	3.11	2.25	0.18	16.8	0.42	0	0	0	0	0	0	0	0
CC-J1846_3	5.36	0	0	3.03	2.33	0.39	28.01	0.434	0	0	0	0	0	0	0	0
CC-J1842_3	5.36	0	0	4.27	1.09	0.19	17.66	0.204	0	0	0	0	0	0	0	0
CC-J1885_1	5.36	0	0	2.97	2.39	0.26	19.84	0.446	0	0	0	0	0	0	0	0
CC-J1852	5.36	0	0	3.06	2.3	0.13	10.29	0.429	0	0	0	0	0	0	0	0
CC-J1844_2	5.36	0	0	2.99	2.36	0.37	25.14	0.441	0	0	0	0	0	0	0	0
CC-J1881_1	5.36	0	0	2.99	2.37	0.36	23.79	0.441	0	0	0	0	0	0	0	0
CC-J1829_3	5.36	0	0	2.79	2.57	0.46	27.72	0.479	0	0	0	0	0	0	0	0
CC-J1871	5.36	0	0	3.09	2.27	0.28	21.43	0.423	0	0	0	0	0	0	0	0
CC-J1866_1	5.36	0	0	3	2.36	0.09	7.72	0.44	0	0	0	0	0	0	0	0
CC-J1881_2	5.36	0	0	3.26	2.1	0.37	30	0.391	0	0	0	0	0	0	0	0
CC-J1866_2	5.36	0	0	2.68	2.67	0.51	32.91	0.498	0	0	0	0	0	0	0	0
CC-J1866_3	5.36	0	0	2.52	2.83	0.47	32.44	0.528	0	0	0	0	0	0	0	0
CC-J1883	5.36	0	0	2.83	2.53	0.2	14.62	0.471	0	0	0	0	0	0	0	0
CC-J1855	5.36	0	0	3.02	2.34	0.19	12.76	0.436	0	0	0	0	0	0	0	0
CC-J1858	5.36	0	0	2.79	2.57	0.43	29.03	0.479	0	0	0	0	0	0	0	0
BC-3605	5.36	0	0	3.31	2.05	0.19	17.36	0.383	0	0	0	0	0	0	0	0
BC-3606	5.36	0	0	3.57	1.79	0.15	11.84	0.334	0	0	0	0	0	0	0	0
CC-J1889	5.36	0	0	3.56	1.79	0.18	11.34	0.334	0	0	0	0	0	0	0	0
CC-J2851_1	5.36	0	0	3.21	2.15	0.57	40.91	0.401	0	0	0	0	0	0	0	0
CC-J1860	5.36	0	0	3.11	2.25	0.3	20.88	0.419	0	0	0	0	0	0	0	0
CC-J1873_1	5.36	0	0	2.18	3.17	0.3	22.32	0.591	0	0	0	0	0	0	0	0
CC-J1900_1	5.36	0	0	3.06	2.3	0.17	11.63	0.429	0	0	0	0	0	0	0	0
CC-J1879_1	5.36	0	0	2.94	2.42	0.14	9.91	0.451	0	0	0	0	0	0	0	0
CC-J1907	5.36	0	0	3.88	1.48	0.21	19.76	0.276	0	0	0	0	0	0	0	0
CC-J1896	5.36	0	0	2.9	2.46	0.52	43.64	0.458	0	0	0	0	0	0	0	0
BC-3627	5.36	0	0	3.12	2.24	0.51	34.55	0.418	0	0	0	0	0	0	0	0
CC-J1873_2	5.36	0	0	2.96	2.4	0.34	27.54	0.448	0	0	0	0	0	0	0	0
CC-J1885_2	5.36	0	0	3.03	2.33	0.33	24.26	0.435	0	0	0	0	0	0	0	0
CC-J1885_3	5.36	0	0	2.95	2.41	0.19	13.46	0.449	0	0	0	0	0	0	0	0
CC-J1909_1	5.36	0	0	4.28	1.07	0.23	18.18	0.2	0	0	0	0	0	0	0	0
CC-J1905_1	5.36	0	0	3.05	2.31	0.6	42.98	0.431	0	0	0	0	0	0	0	0
CC-J1879_2	5.36	0	0	3.84	1.52	0.27	27.85	0.283	0	0	0	0	0	0	0	0
CC-J2851_2	5.36	0	0	3.36	2	0.15	10.89	0.373	0	0	0	0	0	0	0	0
BC-3638	5.36	0	0	3.63	1.73	0.36	22.7	0.323	0	0	0	0	0	0	0	0
CC-J1887	5.36	0	0	3.07	2.29	0.2	17.42	0.428	0	0	0	0	0	0	0	0
CC-J1891_2	5.36	0	0	3.66	1.7	0.12	10.68	0.317	0	0	0	0	0	0	0	0
CC-J1891_3	5.36	0	0	4.14	1.22	0.22	20.09	0.228	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2959	5.36	0	0	3.28	2.08	0.23	20.8	0.388	0	0	0	0	0	0	0	0
CC-J2860	5.36	0	0	2.99	2.37	0.35	28.74	0.442	0	0	0	0	0	0	0	0
CC-J2851_3	5.36	0	0	3.12	2.24	0.22	21.45	0.418	0	0	0	0	0	0	0	0
CC-J1947_1	5.36	0	0	4.31	1.05	0.09	9.87	0.195	0	0	0	0	0	0	0	0
CC-J2774	5.36	0	0	3.07	2.28	0.43	34.64	0.426	0	0	0	0	0	0	0	0
CC-J1900_2	5.36	0	0	3.15	2.21	0.33	29.13	0.412	0	0	0	0	0	0	0	0
CC-J1905_2	5.36	0	0	3.07	2.29	0.46	41.33	0.427	0	0	0	0	0	0	0	0
CC-J1905_3	5.36	0	0	2.95	2.41	0.17	16.54	0.449	0	0	0	0	0	0	0	0
CC-J1928_1	5.36	0	0	3.58	1.78	0.13	9.56	0.332	0	0	0	0	0	0	0	0
CC-J1926	5.36	0	0	2.97	2.38	0.2	18.51	0.445	0	0	0	0	0	0	0	0
BC-3668	5.36	0	0	3.1	2.25	0.5	37.54	0.42	0	0	0	0	0	0	0	0
CC-J3019	5.36	0	0	2.45	2.9	0.33	19.72	0.541	0	0	0	0	0	0	0	0
CC-J1928_2	5.36	0	0	4.29	1.07	0.15	12.68	0.199	0	0	0	0	0	0	0	0
CC-J1939	5.36	0	0	3.02	2.34	0.51	43.85	0.436	0	0	0	0	0	0	0	0
CC-J1909_2	5.36	0	0	4.5	0.86	0.08	8.71	0.161	0	0	0	0	0	0	0	0
CC-J1962_1	5.36	0	0	2.82	2.53	0.19	15.96	0.473	0	0	0	0	0	0	0	0
CC-J2829	5.36	0	0	3.34	2.02	0.42	26.33	0.376	0	0	0	0	0	0	0	0
CC-J3018	5.36	0	0	2.55	2.8	0.28	15.77	0.522	0	0	0	0	0	0	0	0
CC-J1917	5.36	0	0	4.04	1.32	0.27	23.97	0.246	0	0	0	0	0	0	0	0
CC-J2696	5.36	0	0	3.14	2.22	0.34	32.47	0.415	0	0	0	0	0	0	0	0
CC-J1971	5.36	0	0	2.81	2.55	0.59	46.56	0.475	0	0	0	0	0	0	0	0
CC-J1911	5.36	0	0	3.23	2.13	0.37	28.67	0.397	0	0	0	0	0	0	0	0
CC-J17_1	5.36	0	0	3.27	2.08	0.32	20.01	0.388	0	0	0	0	0	0	0	0
CC-J1922_1	5.36	0	0	3.38	1.99	0.17	11.26	0.37	0	0	0	0	0	0	0	0
CC-GR7_1	5.36	0	0	3	2.35	0.42	32.8	0.439	0	0	0	0	0	0	0	0
CC-J1920	5.36	0	0	2.94	2.42	0.27	18.28	0.451	0	0	0	0	0	0	0	0
CC-J1922_2	5.36	0	0	3.21	2.15	0.42	30.3	0.402	0	0	0	0	0	0	0	0
CC-J1922_3	5.36	0	0	3.32	2.04	0.36	27.74	0.381	0	0	0	0	0	0	0	0
CC-J1949_1	5.36	0	0	4.04	1.32	0.15	16.87	0.246	0	0	0	0	0	0	0	0
CC-J1962_2	5.36	0	0	2.99	2.37	0.33	22.69	0.442	0	0	0	0	0	0	0	0
CC-J1909_3	5.36	0	0	3.78	1.58	0.25	18.45	0.295	0	0	0	0	0	0	0	0
CC-J1941	5.36	0	0	4.23	1.13	0.12	11.47	0.211	0	0	0	0	0	0	0	0
CC-J17_2	5.36	0	0	3.69	1.67	0.14	10.93	0.312	0	0	0	0	0	0	0	0
CC-GR7_2	5.36	0	0	2.9	2.44	0.27	16.59	0.455	0	0	0	0	0	0	0	0
CC-J1985_1	5.36	0	0	3.95	1.41	0.1	9.2	0.263	0	0	0	0	0	0	0	0
CC-J2779	5.36	0	0	2.7	2.66	0.18	15.78	0.495	0	0	0	0	0	0	0	0
CC-J1932_1	5.36	0	0	2.85	2.5	0.46	29.27	0.467	0	0	0	0	0	0	0	0
CC-J1935	5.36	0	0	3.82	1.54	0.21	16.67	0.286	0	0	0	0	0	0	0	0
BC-3722	5.36	0	0	3.13	2.23	0.36	18.63	0.415	0	0	0	0	0	0	0	0
CC-J1964	5.36	0	0	3.15	2.21	0.18	15.86	0.412	0	0	0	0	0	0	0	0
CC-gr21_1	5.36	0	0	3.04	2.31	0.46	34.72	0.432	0	0	0	0	0	0	0	0
CC-J1947_2	5.36	0	0	3.61	1.75	0.31	25.71	0.326	0	0	0	0	0	0	0	0
CC-J1947_3	5.36	0	0	3.74	1.62	0.15	14.35	0.302	0	0	0	0	0	0	0	0
BC-3734	5.36	0	0	3.02	2.34	0.15	9.82	0.437	0	0	0	0	0	0	0	0
CC-J1945	5.36	0	0	3.06	2.29	0.24	12.32	0.427	0	0	0	0	0	0	0	0
CC-J1932_2	5.36	0	0	2.45	2.9	0.58	39.52	0.542	0	0	0	0	0	0	0	0
CC-J1991_1	5.36	0	0	4.5	0.86	0.08	10.63	0.161	0	0	0	0	0	0	0	0
CC-J1966_1	5.36	0	0	3.63	1.73	0.12	11.34	0.323	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1966_2	5.36	0	0	3.67	1.69	0.17	14.81	0.315	0	0	0	0	0	0	0	0
CC-J1989	5.36	0	0	3.03	2.33	0.24	19.05	0.435	0	0	0	0	0	0	0	0
CC-J1949_2	5.36	0	0	3.02	2.34	0.33	23.73	0.436	0	0	0	0	0	0	0	0
CC-gr21_2	5.36	0	0	3.08	2.28	0.33	24.4	0.425	0	0	0	0	0	0	0	0
CC-J1956	5.36	0	0	2.84	2.52	0.34	23.96	0.469	0	0	0	0	0	0	0	0
CC-J1985_2	5.36	0	0	4.29	1.07	0.11	8.07	0.2	0	0	0	0	0	0	0	0
CC-J24	5.36	0	0	3.92	1.43	0.25	18.89	0.267	0	0	0	0	0	0	0	0
CC-gr16	5.36	0	0	2.91	2.45	0.36	30.54	0.457	0	0	0	0	0	0	0	0
BC-3765	5.36	0	0	3.2	2.16	0.31	21.71	0.403	0	0	0	0	0	0	0	0
CC-J1991_2	5.36	0	0	3.35	2	0.45	32.35	0.374	0	0	0	0	0	0	0	0
CC-J2001_1	5.36	0	0	3.32	2.03	0.24	18.03	0.38	0	0	0	0	0	0	0	0
CC-J2694	5.36	0	0	2.79	2.56	0.2	17.25	0.478	0	0	0	0	0	0	0	0
CC-J1987	5.36	0	0	3.75	1.61	0.17	14.79	0.3	0	0	0	0	0	0	0	0
CC-J1997_1	5.36	0	0	3.07	2.29	0.19	17.44	0.427	0	0	0	0	0	0	0	0
CC-J20_1	5.36	0	0	3.95	1.4	0.09	7.3	0.262	0	0	0	0	0	0	0	0
CC-J2011_1	5.36	0	0	4.24	1.12	0.15	12.09	0.209	0	0	0	0	0	0	0	0
CC-J1997_2	5.36	0	0	3.01	2.35	0.49	37.44	0.438	0	0	0	0	0	0	0	0
CC-J20_2	5.36	0	0	3.52	1.84	0.21	14.34	0.343	0	0	0	0	0	0	0	0
CC-J2003	5.36	0	0	2.87	2.49	0.31	23.28	0.464	0	0	0	0	0	0	0	0
CC-J2005	5.36	0	0	4.13	1.23	0.18	16.85	0.229	0	0	0	0	0	0	0	0
CC-J2016	5.36	0	0	3.55	1.8	0.14	10.06	0.335	0	0	0	0	0	0	0	0
CC-J2022	5.36	0	0	2.63	2.72	0.46	29.6	0.507	0	0	0	0	0	0	0	0
CC-J2011_2	5.36	0	0	3.4	1.95	0.27	19.68	0.364	0	0	0	0	0	0	0	0
BC-3801	5.36	0	0	3.25	2.11	0.31	23.95	0.393	0	0	0	0	0	0	0	0
CC-J2776	5.36	0	0	3.71	1.65	0.36	36.24	0.308	0	0	0	0	0	0	0	0
CC-J2001_2	5.36	0	0	2.97	2.38	0.36	24.85	0.443	0	0	0	0	0	0	0	0
CC-J27_1	5.36	0	0	3.79	1.57	0.16	11.93	0.293	0	0	0	0	0	0	0	0
CC-J2030	5.36	0	0	3.49	1.87	0.33	31.86	0.35	0	0	0	0	0	0	0	0
CC-J2043_1	5.36	0	0	2.65	2.7	0.21	14.53	0.504	0	0	0	0	0	0	0	0
CC-J2032_1	5.36	0	0	3.86	1.49	0.2	19.45	0.279	0	0	0	0	0	0	0	0
CC-J27_2	5.36	0	0	3.31	2.05	0.16	11.99	0.382	0	0	0	0	0	0	0	0
CC-J2018_1	5.36	0	0	2.4	2.95	0.3	20.38	0.551	0	0	0	0	0	0	0	0
CC-J2024_1	5.36	0	0	3.78	1.57	0.27	19.21	0.293	0	0	0	0	0	0	0	0
CC-J2020_1	5.36	0	0	2.66	2.69	0.33	19.66	0.501	0	0	0	0	0	0	0	0
CC-J2823_1	5.36	0	0	3.56	1.8	0.14	12.99	0.336	0	0	0	0	0	0	0	0
CC-J2737_1	5.36	0	0	3.69	1.67	0.26	28.48	0.311	0	0	0	0	0	0	0	0
CC-J2737_2	5.36	0	0	2.64	2.71	0.25	17.86	0.505	0	0	0	0	0	0	0	0
CC-J2043_2	5.36	0	0	2.83	2.53	0.32	22.35	0.472	0	0	0	0	0	0	0	0
CC-gr14	5.36	0	0	2.92	2.44	0.27	20.44	0.455	0	0	0	0	0	0	0	0
CC-J2034_1	5.36	0	0	3.79	1.57	0.15	16.15	0.293	0	0	0	0	0	0	0	0
CC-J2045_1	5.36	0	0	3.19	2.17	0.26	25.32	0.404	0	0	0	0	0	0	0	0
CC-J2020_2	5.36	0	0	3.14	2.21	0.81	55.19	0.413	0	0	0	0	0	0	0	0
CC-J2020_3	5.36	0	0	2.52	2.83	0.27	19.48	0.528	0	0	0	0	0	0	0	0
CC-J14	5.36	0	0	3.74	1.61	0.23	18.71	0.301	0	0	0	0	0	0	0	0
CC-J2032_2	5.36	0	0	3.96	1.4	0.11	10.26	0.26	0	0	0	0	0	0	0	0
CC-J2753	5.36	0	0	2.84	2.51	0.4	32.82	0.469	0	0	0	0	0	0	0	0
UT1-2944_1	5.36	0	0	3.4	1.96	0.32	24.74	0.366	0	0	0	0	0	0	0	0
BC-3839	5.36	0	0	3.01	2.35	0.22	16.58	0.438	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2823_2	5.36	0	0	3.25	2.1	0.35	21.71	0.392	0	0	0	0	0	0	0	0
CC-J2058	5.36	0	0	3.15	2.21	0.52	31.35	0.413	0	0	0	0	0	0	0	0
CC-J2705	5.36	0	0	2.51	2.84	0.25	17.88	0.53	0	0	0	0	0	0	0	0
CC-J2050_1	5.36	0	0	2.73	2.63	0.24	16.58	0.49	0	0	0	0	0	0	0	0
CC-J2018_2	5.36	0	0	2.84	2.51	0.49	35.42	0.469	0	0	0	0	0	0	0	0
CC-J2024_2	5.36	0	0	3.76	1.59	0.19	13.95	0.297	0	0	0	0	0	0	0	0
CC-J2034_2	5.36	0	0	3.39	1.97	0.21	15.01	0.367	0	0	0	0	0	0	0	0
CC-J2024_3	5.36	0	0	4.21	1.15	0.09	8.31	0.214	0	0	0	0	0	0	0	0
UT1-2944_2	5.36	0	0	3.27	2.09	0.28	27.08	0.39	0	0	0	0	0	0	0	0
CC-J2050_2	5.36	0	0	2.6	2.75	0.26	18.59	0.513	0	0	0	0	0	0	0	0
CC-J2045_2	5.36	0	0	3.03	2.33	0.27	23.92	0.435	0	0	0	0	0	0	0	0
CC-J2050_3	5.36	0	0	2.91	2.44	0.39	27.85	0.455	0	0	0	0	0	0	0	0
UT9-1_1	5.36	0	0	3.87	1.48	0.12	10.64	0.277	0	0	0	0	0	0	0	0
CC-J2071	5.36	0	0	2.57	2.78	0.3	20.14	0.518	0	0	0	0	0	0	0	0
UT9-1_2	5.36	0	0	4.14	1.22	0.19	22.14	0.228	0	0	0	0	0	0	0	0
UT9-104_1	5.36	0	0	4.01	1.35	0.31	19.92	0.251	0	0	0	0	0	0	0	0
CC-J2803	5.36	0	0	3.17	2.19	0.26	25.44	0.409	0	0	0	0	0	0	0	0
UT9-106_1	5.36	0	0	3.36	1.99	0.38	23.32	0.371	0	0	0	0	0	0	0	0
UT9-106_2	5.36	0	0	3.54	1.82	0.53	36.95	0.34	0	0	0	0	0	0	0	0
UT9-106_3	5.36	0	0	3.94	1.42	0.1	7.81	0.266	0	0	0	0	0	0	0	0
CC-J2087	5.36	0	0	3.39	1.97	0.49	40.99	0.367	0	0	0	0	0	0	0	0
CC-J2024_4	5.36	0	0	2.56	2.78	0.2	15.26	0.519	0	0	0	0	0	0	0	0
CC-J2060	5.36	0	0	4.06	1.3	0.36	27.45	0.243	0	0	0	0	0	0	0	0
UT1-2802	5.36	0	0	1.85	3.49	0.26	16.76	0.651	0	0	0	0	0	0	0	0
UT9-1_3	5.36	0	0	4	1.36	0.18	14.28	0.253	0	0	0	0	0	0	0	0
CC-J2692	5.36	0	0	2.51	2.84	0.52	40.42	0.53	0	0	0	0	0	0	0	0
CC-J2096	5.36	0	0	2.95	2.4	0.22	14.12	0.447	0	0	0	0	0	0	0	0
CC-J2112_1	5.36	0	0	3.2	2.16	0.53	42.08	0.402	0	0	0	0	0	0	0	0
UT1-2098_1	5.36	0	0	3.09	2.27	0.35	27.26	0.423	0	0	0	0	0	0	0	0
UT2-2107_1	5.36	0	0	3.19	2.17	0.24	17.14	0.404	0	0	0	0	0	0	0	0
BC-3906	5.36	0	0	3.13	2.22	0.33	16.38	0.415	0	0	0	0	0	0	0	0
CC-J3020	5.36	0	0	2.85	2.5	0.49	30.75	0.467	0	0	0	0	0	0	0	0
UT9-109_1	5.36	0	0	4.34	1.02	0.32	30.16	0.191	0	0	0	0	0	0	0	0
CC-J1	5.36	0	0	3.21	2.14	0.24	15.9	0.399	0	0	0	0	0	0	0	0
CC-J2076_1	5.36	0	0	3.05	2.31	0.41	24.46	0.431	0	0	0	0	0	0	0	0
CC-J2997	5.36	0	0	3.1	2.26	0.26	19.44	0.422	0	0	0	0	0	0	0	0
UT2-2107_2	5.36	0	0	3.11	2.24	0.21	12.86	0.418	0	0	0	0	0	0	0	0
UT9-9	5.36	0	0	4.57	0.79	0.11	15.39	0.148	0	0	0	0	0	0	0	0
UT9-6_1	5.36	0	0	4.52	0.84	0.06	8.79	0.157	0	0	0	0	0	0	0	0
CC-J2995_1	5.36	0	0	3.21	2.15	0.41	32.35	0.401	0	0	0	0	0	0	0	0
UT9-104_2	5.36	0	0	4.22	1.13	0.08	6.59	0.212	0	0	0	0	0	0	0	0
UT9-104_3	5.36	0	0	4.29	1.07	0.11	9.46	0.199	0	0	0	0	0	0	0	0
UT9-5_1	5.36	0	0	3.5	1.84	0.24	16.99	0.344	0	0	0	0	0	0	0	0
CC-J2076_2	5.36	0	0	2.95	2.41	0.19	15.93	0.449	0	0	0	0	0	0	0	0
CC-J2101_1	5.36	0	0	3.41	1.95	0.43	20.23	0.363	0	0	0	0	0	0	0	0
UT9-90_1	5.36	0	0	3.67	1.68	0.33	22.72	0.314	0	0	0	0	0	0	0	0
UT1-2089_1	5.36	0	0	3.34	2.03	0.16	13.23	0.378	0	0	0	0	0	0	0	0
UT9-106_4	5.36	0	0	4.17	1.19	0.11	10.98	0.222	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT9-3	5.36	0	0	4.34	1.02	0.11	12.59	0.19	0	0	0	0	0	0	0	0
UT1-2089_2	5.36	0	0	3.47	1.89	0.44	32.76	0.352	0	0	0	0	0	0	0	0
CC-J2116_1	5.36	0	0	3.71	1.65	0.36	29.13	0.308	0	0	0	0	0	0	0	0
UT2-2125	5.36	0	0	3.42	1.95	0.38	34.01	0.363	0	0	0	0	0	0	0	0
UT2-2107_3	5.36	0	0	3.28	2.08	0.22	21.37	0.388	0	0	0	0	0	0	0	0
UT2-2107_4	5.36	0	0	3.55	1.82	0.16	12.98	0.339	0	0	0	0	0	0	0	0
CC-J2103_1	5.36	0	0	3.74	1.62	0.22	19.03	0.302	0	0	0	0	0	0	0	0
CC-J2094_1	5.36	0	0	2.53	2.82	0.34	19.65	0.526	0	0	0	0	0	0	0	0
CC-J2094_2	5.36	0	0	3	2.36	0.13	11.92	0.439	0	0	0	0	0	0	0	0
UT9-92_1	5.36	0	0	3.43	1.94	0.5	41.72	0.361	0	0	0	0	0	0	0	0
CC-J2101_2	5.36	0	0	3.26	2.1	0.22	16.76	0.391	0	0	0	0	0	0	0	0
UT9-151	5.36	0	0	3.55	1.8	0.17	10.45	0.336	0	0	0	0	0	0	0	0
UT9-5_2	5.36	0	0	3.55	1.81	0.16	12.41	0.337	0	0	0	0	0	0	0	0
CC-J2101_3	5.36	0	0	3.18	2.18	0.16	11.44	0.406	0	0	0	0	0	0	0	0
UT1-2098_2	5.36	0	0	3.38	1.98	0.18	13.4	0.369	0	0	0	0	0	0	0	0
UT9-109_2	5.36	0	0	3.62	1.74	0.11	9.23	0.325	0	0	0	0	0	0	0	0
UT9-114	5.36	0	0	4.46	0.9	0.24	22.6	0.168	0	0	0	0	0	0	0	0
CC-J2103_2	5.36	0	0	3.76	1.6	0.11	10.88	0.298	0	0	0	0	0	0	0	0
UT9-2_1	5.36	0	0	4.39	0.97	0.12	11.78	0.18	0	0	0	0	0	0	0	0
UT2-2107_5	5.36	0	0	3.43	1.93	0.22	14.1	0.36	0	0	0	0	0	0	0	0
CC-J2116_2	5.36	0	0	4.01	1.35	0.1	10.6	0.251	0	0	0	0	0	0	0	0
CC-J2116_3	5.36	0	0	3.4	1.96	0.16	13.46	0.365	0	0	0	0	0	0	0	0
CC-J2112_2	5.36	0	0	3.18	2.18	0.15	9.24	0.406	0	0	0	0	0	0	0	0
UT1-2121	5.36	0	0	3.38	1.98	0.24	17.54	0.369	0	0	0	0	0	0	0	0
CC-J2114_1	5.36	0	0	2.78	2.58	0.21	14.35	0.481	0	0	0	0	0	0	0	0
CC-J2140	5.36	0	0	3.36	1.99	0.16	14.88	0.371	0	0	0	0	0	0	0	0
UT9-109_3	5.36	0	0	4.14	1.22	0.17	19.06	0.228	0	0	0	0	0	0	0	0
CC-MASJ2149	5.36	0	0	3.37	1.99	0.24	17.79	0.371	0	0	0	0	0	0	0	0
CC-J2123	5.36	0	0	2.87	2.48	0.19	14.3	0.463	0	0	0	0	0	0	0	0
UT1-2878_1	5.36	0	0	2.74	2.61	0.14	10.26	0.487	0	0	0	0	0	0	0	0
CC-J2136_1	5.36	0	0	3.68	1.68	0.16	14.93	0.313	0	0	0	0	0	0	0	0
UT9-4_1	5.36	0	0	3.95	1.41	0.13	12.84	0.262	0	0	0	0	0	0	0	0
UT2-2134	5.36	0	0	3.35	2.02	0.21	15.76	0.376	0	0	0	0	0	0	0	0
CC-J2160_1	5.36	0	0	2.9	2.46	0.34	18.89	0.459	0	0	0	0	0	0	0	0
CC-J2114_2	5.36	0	0	3.38	1.98	0.21	13.51	0.369	0	0	0	0	0	0	0	0
CC-J2995_2	5.36	0	0	3.15	2.21	0.18	12.13	0.412	0	0	0	0	0	0	0	0
CC-J2136_2	5.36	0	0	3.6	1.75	0.16	15.84	0.327	0	0	0	0	0	0	0	0
UT1-2183	5.36	0	0	3.23	2.13	0.57	48.54	0.397	0	0	0	0	0	0	0	0
CC-J2136_3	5.36	0	0	3.9	1.46	0.11	12.84	0.272	0	0	0	0	0	0	0	0
UT2-2153	5.36	0	0	3.49	1.87	0.17	13.41	0.349	0	0	0	0	0	0	0	0
CC-J2158	5.36	0	0	3.02	2.34	0.22	15.79	0.436	0	0	0	0	0	0	0	0
CC-MASJ2814	5.36	0	0	2.85	2.51	0.07	5.87	0.469	0	0	0	0	0	0	0	0
UT6-11_1	5.36	0	0	2.64	2.7	0.26	15.86	0.504	0	0	0	0	0	0	0	0
CC-MASJ2187	5.36	0	0	3.46	1.9	0.39	30.14	0.354	0	0	0	0	0	0	0	0
UT9-12	5.36	0	0	4.05	1.31	0.47	48.28	0.245	0	0	0	0	0	0	0	0
CC-J2160_2	5.36	0	0	3.2	2.16	0.18	10.02	0.403	0	0	0	0	0	0	0	0
UT1-2878_2	5.36	0	0	3.01	2.35	0.31	26.27	0.438	0	0	0	0	0	0	0	0
UT1-2878_3	5.36	0	0	3.46	1.91	0.21	12.44	0.355	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2170_1	5.36	0	0	3.01	2.35	0.37	23.61	0.438	0	0	0	0	0	0	0	0
CC-J2170_2	5.36	0	0	3.39	1.97	0.14	11.02	0.368	0	0	0	0	0	0	0	0
UT2-2162_1	5.36	0	0	3.39	1.98	0.22	15.67	0.369	0	0	0	0	0	0	0	0
CC-J2174	5.36	0	0	3.03	2.33	0.16	10.72	0.434	0	0	0	0	0	0	0	0
UT9-92_2	5.36	0	0	3.85	1.5	0.13	9.84	0.28	0	0	0	0	0	0	0	0
UT9-18_1	5.36	0	0	4.43	0.94	0.12	18.69	0.175	0	0	0	0	0	0	0	0
UT9-101_1	5.36	0	0	2.98	2.37	0.29	18.35	0.442	0	0	0	0	0	0	0	0
UT9-6_2	5.36	0	0	4.29	1.07	0.16	17.46	0.199	0	0	0	0	0	0	0	0
CC-J2185_1	5.36	0	0	3.17	2.19	0.24	16.16	0.409	0	0	0	0	0	0	0	0
CC-J2729	5.36	0	0	2.94	2.41	0.23	17.64	0.45	0	0	0	0	0	0	0	0
CC-MASJ2703_1	5.36	0	0	3.24	2.12	0.22	21.83	0.395	0	0	0	0	0	0	0	0
UT9-7	5.36	0	0	4.22	1.14	0.12	11.84	0.213	0	0	0	0	0	0	0	0
UT2-2162_2	5.36	0	0	3.31	2.05	0.2	16.69	0.382	0	0	0	0	0	0	0	0
UT1-2197	5.36	0	0	3.4	1.96	0.33	31.54	0.366	0	0	0	0	0	0	0	0
UT2-2220	5.36	0	0	3.3	2.06	0.52	42.83	0.385	0	0	0	0	0	0	0	0
CC-J2170_3	5.36	0	0	3.33	2.03	0.16	12.31	0.379	0	0	0	0	0	0	0	0
UT6-19_1	5.36	0	0	3.69	1.66	0.21	17.73	0.31	0	0	0	0	0	0	0	0
CC-MASJ2703_2	5.36	0	0	2.92	2.44	0.17	14.03	0.455	0	0	0	0	0	0	0	0
UT9-92_3	5.36	0	0	4.2	1.16	0.13	14.99	0.217	0	0	0	0	0	0	0	0
UT9-8	5.36	0	0	3.72	1.64	0.15	12.76	0.306	0	0	0	0	0	0	0	0
UT1-2243_1	5.36	0	0	3.46	1.9	0.22	15.17	0.354	0	0	0	0	0	0	0	0
CC-MASJ2191	5.36	0	0	3.23	2.12	0.35	26.16	0.396	0	0	0	0	0	0	0	0
UT9-2_2	5.36	0	0	4.43	0.93	0.11	11.6	0.174	0	0	0	0	0	0	0	0
CC-J2227_1	5.36	0	0	3.07	2.29	0.41	35.67	0.427	0	0	0	0	0	0	0	0
CC-J2185_2	5.36	0	0	3.11	2.25	0.45	30.06	0.419	0	0	0	0	0	0	0	0
CC-J2216_1	5.36	0	0	3.09	2.27	0.28	15.55	0.423	0	0	0	0	0	0	0	0
CC-J2227_2	5.36	0	0	2.93	2.43	0.19	14.47	0.453	0	0	0	0	0	0	0	0
UT9-4_2	5.36	0	0	4.31	1.04	0.24	27	0.195	0	0	0	0	0	0	0	0
UT9-10	5.36	0	0	3.98	1.38	0.25	19.66	0.257	0	0	0	0	0	0	0	0
CC-J2214	5.36	0	0	3.25	2.11	0.34	22.73	0.394	0	0	0	0	0	0	0	0
CC-J2237_1	5.36	0	0	2.62	2.73	0.36	28.51	0.51	0	0	0	0	0	0	0	0
UT9-13_1	5.36	0	0	4.17	1.19	0.15	11.65	0.222	0	0	0	0	0	0	0	0
UT1-2207	5.36	0	0	3.22	2.14	0.32	23.46	0.399	0	0	0	0	0	0	0	0
CC-J2223_1	5.36	0	0	3.11	2.25	0.15	10.98	0.419	0	0	0	0	0	0	0	0
UT6-11_2	5.36	0	0	4.07	1.28	0.56	48.05	0.239	0	0	0	0	0	0	0	0
CC-J2807	5.36	0	0	3.28	2.08	0.26	23.66	0.388	0	0	0	0	0	0	0	0
UT9-13_2	5.36	0	0	3.66	1.7	0.24	18.59	0.317	0	0	0	0	0	0	0	0
UT9-90_2	5.36	0	0	4.45	0.91	0.1	12.44	0.17	0	0	0	0	0	0	0	0
UT6-19_2	5.36	0	0	3.51	1.84	0.22	14.02	0.343	0	0	0	0	0	0	0	0
UT6-19_3	5.36	0	0	3.78	1.58	0.15	13.78	0.295	0	0	0	0	0	0	0	0
UT6-109	5.36	0	0	4.28	1.08	0.15	14.34	0.201	0	0	0	0	0	0	0	0
UT1-2243_2	5.36	0	0	2.8	2.55	0.32	23.89	0.476	0	0	0	0	0	0	0	0
UT1-2243_3	5.36	0	0	3.23	2.12	0.25	19.13	0.396	0	0	0	0	0	0	0	0
CC-J2246	5.36	0	0	3.09	2.27	0.24	22.85	0.424	0	0	0	0	0	0	0	0
UT6-11_3	5.36	0	0	3.86	1.5	0.13	14.11	0.28	0	0	0	0	0	0	0	0
UT9-18_2	5.36	0	0	4.18	1.18	0.09	9.57	0.219	0	0	0	0	0	0	0	0
CC-J2290_1	5.36	0	0	3.17	2.19	0.31	22.84	0.409	0	0	0	0	0	0	0	0
UT9-18_3	5.36	0	0	4.21	1.15	0.11	11.78	0.214	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT1-2250_1	5.36	0	0	2.96	2.39	0.71	56.15	0.446	0	0	0	0	0	0	0	0
CC-J2223_2	5.36	0	0	3.43	1.93	0.24	17.36	0.361	0	0	0	0	0	0	0	0
UT9-90_3	5.36	0	0	3.89	1.47	0.11	11.8	0.275	0	0	0	0	0	0	0	0
UT6-19_4	5.36	0	0	4.25	1.11	0.18	15.21	0.207	0	0	0	0	0	0	0	0
CC-J2216_2	5.36	0	0	3.33	2.03	0.28	19.71	0.378	0	0	0	0	0	0	0	0
UT4-170	5.36	0	0	3.13	2.23	0.62	43.29	0.415	0	0	0	0	0	0	0	0
CC-J3_1	5.36	0	0	2.49	2.86	0.31	22.06	0.534	0	0	0	0	0	0	0	0
UT9-92_4	5.36	0	0	3.95	1.41	0.15	15.98	0.263	0	0	0	0	0	0	0	0
UT2-2252_1	5.36	0	0	3.39	1.98	0.18	12.52	0.369	0	0	0	0	0	0	0	0
CC-J2272	5.36	0	0	3.06	2.3	0.21	14.42	0.429	0	0	0	0	0	0	0	0
CC-J2269	5.36	0	0	3.14	2.22	0.44	29.71	0.414	0	0	0	0	0	0	0	0
CC-J2237_2	5.36	0	0	3.32	2.04	0.23	20.09	0.381	0	0	0	0	0	0	0	0
UT9-90_4	5.36	0	0	4.28	1.08	0.14	13.34	0.201	0	0	0	0	0	0	0	0
UT9-92_5	5.36	0	0	4.03	1.33	0.25	24.31	0.249	0	0	0	0	0	0	0	0
UT2-2252_2	5.36	0	0	3.25	2.11	0.29	24.92	0.393	0	0	0	0	0	0	0	0
UT2-2252_3	5.36	0	0	3.35	2.01	0.27	21.04	0.375	0	0	0	0	0	0	0	0
UT6-152	5.36	0	0	4.43	0.93	0.17	17.37	0.173	0	0	0	0	0	0	0	0
UT1-2250_2	5.36	0	0	2.82	2.53	0.34	19.39	0.471	0	0	0	0	0	0	0	0
UT9-86_1	5.36	0	0	4.23	1.13	0.23	26.95	0.21	0	0	0	0	0	0	0	0
CC-J2274	5.36	0	0	2.92	2.44	0.25	18.47	0.454	0	0	0	0	0	0	0	0
UT9-92_6	5.36	0	0	4.4	0.96	0.2	20.24	0.18	0	0	0	0	0	0	0	0
UT9-101_2	5.36	0	0	3.7	1.66	0.17	15.7	0.31	0	0	0	0	0	0	0	0
UT9-101_3	5.36	0	0	3.91	1.45	0.32	28.33	0.27	0	0	0	0	0	0	0	0
UT9-24	5.36	0	0	3.56	1.79	0.22	16.57	0.334	0	0	0	0	0	0	0	0
CC-J2290_2	5.36	0	0	2.88	2.47	0.43	28.89	0.461	0	0	0	0	0	0	0	0
UT3-20_1	5.36	0	0	2.94	2.41	0.89	65.21	0.45	0	0	0	0	0	0	0	0
UT9-17_1	5.36	0	0	3.45	1.9	0.2	16.39	0.355	0	0	0	0	0	0	0	0
UT9-17_2	5.36	0	0	3.88	1.48	0.38	32.44	0.277	0	0	0	0	0	0	0	0
UT9-17_3	5.36	0	0	3.92	1.44	0.23	19.42	0.269	0	0	0	0	0	0	0	0
UT9-13_3	5.36	0	0	3.82	1.54	0.28	22.15	0.287	0	0	0	0	0	0	0	0
UT9-88_1	5.36	0	0	4.25	1.11	0.13	14.67	0.207	0	0	0	0	0	0	0	0
UT4-15	5.36	0	0	3.2	2.15	0.19	13.98	0.402	0	0	0	0	0	0	0	0
UT4-23_1	5.36	0	0	3.27	2.09	0.36	34.98	0.391	0	0	0	0	0	0	0	0
UT4-14	5.36	0	0	2.52	2.83	0.2	14.04	0.528	0	0	0	0	0	0	0	0
UT9-88_2	5.36	0	0	4.21	1.15	0.22	18.22	0.215	0	0	0	0	0	0	0	0
UT4-23_2	5.36	0	0	3.23	2.13	0.2	18.13	0.397	0	0	0	0	0	0	0	0
CC-J3_2	5.36	0	0	3.48	1.88	0.26	23.33	0.35	0	0	0	0	0	0	0	0
UT4-35_1	5.36	0	0	3.12	2.24	0.18	14.31	0.418	0	0	0	0	0	0	0	0
UT4-35_2	5.36	0	0	3.41	1.95	0.25	17.47	0.363	0	0	0	0	0	0	0	0
UT4-23_3	5.36	0	0	3.27	2.09	0.32	21.68	0.389	0	0	0	0	0	0	0	0
CC-J3_3	5.36	0	0	3.69	1.67	0.14	11.09	0.312	0	0	0	0	0	0	0	0
UT9-86_2	5.36	0	0	4.32	1.04	0.11	12.48	0.193	0	0	0	0	0	0	0	0
UT3-30_1	5.36	0	0	3.47	1.89	0.35	23.26	0.352	0	0	0	0	0	0	0	0
UT9-22	5.36	0	0	4.14	1.22	0.19	16.73	0.228	0	0	0	0	0	0	0	0
UT9-88_3	5.36	0	0	4.34	1.02	0.16	18.23	0.19	0	0	0	0	0	0	0	0
UT4-35_3	5.36	0	0	3.14	2.22	0.49	35.76	0.413	0	0	0	0	0	0	0	0
UT3-31	5.36	0	0	3.28	2.08	0.49	47.08	0.388	0	0	0	0	0	0	0	0
UT6-150	5.36	0	0	4.36	1	0.1	10.65	0.186	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT6-34_1	5.36	0	0	3.75	1.61	0.28	27.88	0.301	0	0	0	0	0	0	0	0
UT4-40_1	5.36	0	0	3.06	2.3	0.51	34.69	0.429	0	0	0	0	0	0	0	0
UT8-102_1	5.36	0	0	4.17	1.19	0.44	45.92	0.222	0	0	0	0	0	0	0	0
UT6-27	5.36	0	0	4.5	0.86	0.17	21.69	0.161	0	0	0	0	0	0	0	0
UT6-2_Rev_1	5.36	0	0	4.37	0.99	0.18	19.19	0.184	0	0	0	0	0	0	0	0
UT6-26_1	5.36	0	0	3.62	1.73	0.19	14.52	0.323	0	0	0	0	0	0	0	0
UT6-34_2	5.36	0	0	4.52	0.83	0.07	7.13	0.156	0	0	0	0	0	0	0	0
UT6-143	5.36	0	0	4.53	0.83	0.07	7.98	0.155	0	0	0	0	0	0	0	0
UT6-110_1	5.36	0	0	4.42	0.94	0.13	15.85	0.175	0	0	0	0	0	0	0	0
UT3-20_2	5.36	0	0	3.13	2.23	0.26	17.92	0.415	0	0	0	0	0	0	0	0
UT4-32	5.36	0	0	2.96	2.39	0.28	17.45	0.447	0	0	0	0	0	0	0	0
UT6-33_1	5.36	0	0	4.16	1.2	0.18	20.81	0.224	0	0	0	0	0	0	0	0
UT8-94	5.36	0	0	3.88	1.48	0.23	24.65	0.276	0	0	0	0	0	0	0	0
UT8-98_1	5.36	0	0	4.23	1.13	0.1	11.05	0.211	0	0	0	0	0	0	0	0
UT4-42	5.36	0	0	3.23	2.13	0.16	11.98	0.397	0	0	0	0	0	0	0	0
UT3-13	5.36	0	0	3.57	1.79	0.27	22.1	0.335	0	0	0	0	0	0	0	0
UT3-39	5.36	0	0	2.93	2.42	0.17	12.37	0.452	0	0	0	0	0	0	0	0
UT3-180_1	5.36	0	0	3.69	1.67	0.18	13.66	0.311	0	0	0	0	0	0	0	0
UT3-162	5.36	0	0	3.36	2	0.32	26.23	0.372	0	0	0	0	0	0	0	0
UT6-2_Rev_2	5.36	0	0	4.73	0.64	0.05	6.3	0.119	0	0	0	0	0	0	0	0
UT4-38	5.36	0	0	3.38	1.98	0.52	31.51	0.369	0	0	0	0	0	0	0	0
UT6-33_2	5.36	0	0	3.94	1.43	0.18	19.35	0.266	0	0	0	0	0	0	0	0
UT6-34_3	5.36	0	0	3.68	1.68	0.26	18.87	0.314	0	0	0	0	0	0	0	0
UT6-135	5.36	0	0	3.84	1.52	0.1	10.61	0.283	0	0	0	0	0	0	0	0
UT8-98_2	5.36	0	0	4.19	1.17	0.16	12.64	0.218	0	0	0	0	0	0	0	0
UT3-5_Rev_1	5.36	0	0	2.8	2.55	0.19	13.94	0.475	0	0	0	0	0	0	0	0
UT6-184	5.36	0	0	4.36	1	0.32	37.25	0.187	0	0	0	0	0	0	0	0
UT6-26_2	5.36	0	0	3.68	1.67	0.18	15.35	0.312	0	0	0	0	0	0	0	0
UT4-107_1	5.36	0	0	3.22	2.14	0.37	35.4	0.4	0	0	0	0	0	0	0	0
UT9-86_3	5.36	0	0	4.35	1.01	0.16	9.69	0.188	0	0	0	0	0	0	0	0
UT4-35_4	5.36	0	0	3.07	2.28	0.23	18.19	0.426	0	0	0	0	0	0	0	0
UT6-37_1	5.36	0	0	4.12	1.24	0.36	37.8	0.231	0	0	0	0	0	0	0	0
UT4-107_2	5.36	0	0	3.32	2.04	0.38	36.37	0.381	0	0	0	0	0	0	0	0
UT3-5_Rev_2	5.36	0	0	3.35	2.01	0.32	22.49	0.374	0	0	0	0	0	0	0	0
UT3-49	5.36	0	0	3.01	2.35	0.2	14.82	0.438	0	0	0	0	0	0	0	0
UT6-37_2	5.36	0	0	4.07	1.29	0.14	13.2	0.241	0	0	0	0	0	0	0	0
UT3-47	5.36	0	0	2.73	2.63	0.5	34.43	0.49	0	0	0	0	0	0	0	0
UT6-43_1	5.36	0	0	4.14	1.23	0.11	12.31	0.229	0	0	0	0	0	0	0	0
UT6-8_Rev_1	5.36	0	0	3.83	1.53	0.24	15.27	0.286	0	0	0	0	0	0	0	0
UT6-45	5.36	0	0	4.12	1.24	0.12	12.53	0.231	0	0	0	0	0	0	0	0
UT6-43_2	5.36	0	0	3.9	1.46	0.11	10.16	0.273	0	0	0	0	0	0	0	0
UT6-175	5.36	0	0	4.33	1.03	0.08	10.3	0.192	0	0	0	0	0	0	0	0
UT6-183	5.36	0	0	3.73	1.63	0.24	26.01	0.304	0	0	0	0	0	0	0	0
UT6-149_Rev	5.36	0	0	3.78	1.58	0.16	19.09	0.295	0	0	0	0	0	0	0	0
UT6-8_Rev_2	5.36	0	0	4.06	1.3	0.17	12.91	0.242	0	0	0	0	0	0	0	0
UT4-36	5.36	0	0	3.58	1.77	0.5	31.57	0.331	0	0	0	0	0	0	0	0
UT6-134_1	5.36	0	0	4.08	1.28	0.14	14.15	0.239	0	0	0	0	0	0	0	0
UT6-43_3	5.36	0	0	4.09	1.27	0.16	19.51	0.237	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT6-73_1	5.36	0	0	3.91	1.45	0.11	10.4	0.27	0	0	0	0	0	0	0	0
UT6-56_1	5.36	0	0	4.14	1.22	0.16	12.37	0.227	0	0	0	0	0	0	0	0
UT6-2_Rev_3	5.36	0	0	3.36	1.99	0.27	24.05	0.371	0	0	0	0	0	0	0	0
UT6-1_Rev_1	5.36	0	0	4.17	1.19	0.11	7.86	0.222	0	0	0	0	0	0	0	0
UT8-102_2	5.36	0	0	3.9	1.46	0.32	28.46	0.273	0	0	0	0	0	0	0	0
UT4-41_1	5.36	0	0	2.33	3.02	0.34	20.86	0.563	0	0	0	0	0	0	0	0
UT6-73_2	5.36	0	0	3.81	1.55	0.38	38.61	0.288	0	0	0	0	0	0	0	0
UT8-102_3	5.36	0	0	3.75	1.61	0.24	26.17	0.301	0	0	0	0	0	0	0	0
UT6-7_Rev_1	5.36	0	0	4.16	1.21	0.18	23.63	0.225	0	0	0	0	0	0	0	0
UT3-5_Rev_3	5.36	0	0	3.26	2.1	0.21	19.97	0.392	0	0	0	0	0	0	0	0
UT6-6_Rev_1	5.36	0	0	4.27	1.09	0.11	10.52	0.204	0	0	0	0	0	0	0	0
UT6-1_Rev_2	5.36	0	0	4.08	1.27	0.13	11.68	0.238	0	0	0	0	0	0	0	0
UT6-7_Rev_2	5.36	0	0	3.77	1.59	0.3	19.45	0.296	0	0	0	0	0	0	0	0
UT6-56_2	5.36	0	0	3.53	1.82	0.4	27.88	0.34	0	0	0	0	0	0	0	0
UT3-30_2	5.36	0	0	2.88	2.48	0.25	15.68	0.462	0	0	0	0	0	0	0	0
UT6-1_Rev_3	5.36	0	0	4.17	1.19	0.11	14.3	0.223	0	0	0	0	0	0	0	0
UT6-1_Rev_4	5.36	0	0	3.6	1.76	0.17	17.32	0.328	0	0	0	0	0	0	0	0
UT6-7_Rev_3	5.36	0	0	4.32	1.04	0.14	12.74	0.193	0	0	0	0	0	0	0	0
UT4-41_2	5.36	0	0	2.92	2.44	0.37	28.38	0.455	0	0	0	0	0	0	0	0
UT4-40_2	5.36	0	0	3	2.35	0.21	19.02	0.439	0	0	0	0	0	0	0	0
UT6-134_2	5.36	0	0	3.81	1.55	0.21	17.82	0.289	0	0	0	0	0	0	0	0
UT4-125	5.36	0	0	3.31	2.05	0.24	24.22	0.382	0	0	0	0	0	0	0	0
UT6-37_3	5.36	0	0	3.59	1.77	0.15	12.42	0.33	0	0	0	0	0	0	0	0
UT3-176	5.36	0	0	3.21	2.14	0.19	14.07	0.4	0	0	0	0	0	0	0	0
UT3-180_2	5.36	0	0	2.87	2.49	0.4	33.05	0.464	0	0	0	0	0	0	0	0
UT4-59_1	5.36	0	0	2.81	2.54	0.23	14.59	0.474	0	0	0	0	0	0	0	0
UT3-57_1	5.36	0	0	3.25	2.11	0.24	23.1	0.393	0	0	0	0	0	0	0	0
UT4-59_2	5.36	0	0	2.55	2.8	0.43	30.2	0.523	0	0	0	0	0	0	0	0
UT6-110_2	5.36	0	0	3.69	1.67	0.16	12.27	0.311	0	0	0	0	0	0	0	0
UT3-57_2	5.36	0	0	3.11	2.25	0.19	15.42	0.42	0	0	0	0	0	0	0	0
UT4-113_1	5.36	0	0	2.85	2.5	0.19	14.77	0.467	0	0	0	0	0	0	0	0
UT4-55_1	5.36	0	0	3.33	2.03	0.29	21.95	0.378	0	0	0	0	0	0	0	0
UT8-102_4	5.36	0	0	3.82	1.54	0.11	10.03	0.288	0	0	0	0	0	0	0	0
UT4-169_1	5.36	0	0	3.45	1.9	0.18	16.13	0.355	0	0	0	0	0	0	0	0
UT6-52_1	5.36	0	0	4.44	0.92	0.14	17.98	0.172	0	0	0	0	0	0	0	0
UT6-58	5.36	0	0	3.43	1.93	0.35	25.57	0.36	0	0	0	0	0	0	0	0
UT4-181	5.36	0	0	2.87	2.48	0.73	53.6	0.463	0	0	0	0	0	0	0	0
UT4-55_2	5.36	0	0	2.92	2.44	0.21	16.69	0.455	0	0	0	0	0	0	0	0
UT6-8_Rev_3	5.36	0	0	3.42	1.94	0.24	14.97	0.361	0	0	0	0	0	0	0	0
UT4-113_2	5.36	0	0	3.1	2.26	0.31	27.67	0.422	0	0	0	0	0	0	0	0
UT4-123_1	5.36	0	0	2.42	2.93	0.36	22.94	0.546	0	0	0	0	0	0	0	0
UT4-169_2	5.36	0	0	3.14	2.22	0.27	22.76	0.414	0	0	0	0	0	0	0	0
UT8-102_5	5.36	0	0	3.5	1.86	0.22	18.42	0.346	0	0	0	0	0	0	0	0
UT3-51	5.36	0	0	2.4	2.95	0.12	9.44	0.55	0	0	0	0	0	0	0	0
UT3-57_3	5.36	0	0	2.85	2.5	0.24	20.7	0.467	0	0	0	0	0	0	0	0
UT6-52_2	5.36	0	0	3.39	1.97	0.17	12.39	0.367	0	0	0	0	0	0	0	0
UT6-52_3	5.36	0	0	3.84	1.52	0.11	11.36	0.283	0	0	0	0	0	0	0	0
UT3-54	5.36	0	0	2.43	2.92	0.14	9.91	0.545	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT4-123_2	5.36	0	0	3.15	2.21	0.14	11.83	0.413	0	0	0	0	0	0	0	0
UT4-169_3	5.36	0	0	3.85	1.51	0.25	24.27	0.281	0	0	0	0	0	0	0	0
UT6-69	5.36	0	0	3.89	1.47	0.37	38.42	0.274	0	0	0	0	0	0	0	0
UT3-61_1	5.36	0	0	2.62	2.73	0.25	19.71	0.509	0	0	0	0	0	0	0	0
UT6-8_Rev_4	5.36	0	0	3.97	1.4	0.17	17.99	0.26	0	0	0	0	0	0	0	0
UT4-116_1	5.36	0	0	3.12	2.23	0.38	32.65	0.417	0	0	0	0	0	0	0	0
UT6-64_1	5.36	0	0	4.37	0.99	0.25	29.88	0.185	0	0	0	0	0	0	0	0
UT3-62_1	5.36	0	0	3.07	2.29	0.55	44.79	0.427	0	0	0	0	0	0	0	0
UT3-62_2	5.36	0	0	2.94	2.41	0.34	22.55	0.45	0	0	0	0	0	0	0	0
UT4-67_1	5.36	0	0	3.01	2.35	0.13	9.36	0.439	0	0	0	0	0	0	0	0
UT4-123_3	5.36	0	0	2.91	2.45	0.22	18.52	0.457	0	0	0	0	0	0	0	0
UT4-59_3	5.36	0	0	2.9	2.45	0.45	35.46	0.458	0	0	0	0	0	0	0	0
UT6-76_1	5.36	0	0	4.29	1.07	0.22	19.63	0.2	0	0	0	0	0	0	0	0
UT4-67_2	5.36	0	0	3.22	2.14	0.17	15.85	0.399	0	0	0	0	0	0	0	0
UT4-116_2	5.36	0	0	3.35	2.01	0.23	19.16	0.375	0	0	0	0	0	0	0	0
UT6-74_1	5.36	0	0	3.92	1.44	0.34	26.72	0.269	0	0	0	0	0	0	0	0
UT3-61_2	5.36	0	0	2.88	2.47	0.64	54.34	0.462	0	0	0	0	0	0	0	0
UT6-6_Rev_2	5.36	0	0	4.09	1.27	0.15	13.65	0.236	0	0	0	0	0	0	0	0
UT6-74_2	5.36	0	0	3.9	1.46	0.34	29.29	0.273	0	0	0	0	0	0	0	0
UT6-77	5.36	0	0	3.63	1.73	0.28	24.38	0.323	0	0	0	0	0	0	0	0
UT4-66_1	5.36	0	0	2.99	2.36	0.31	19.16	0.44	0	0	0	0	0	0	0	0
UT6-64_2	5.36	0	0	4.13	1.23	0.3	34.49	0.23	0	0	0	0	0	0	0	0
UT3-80_1	5.36	0	0	2.8	2.55	0.35	23.36	0.476	0	0	0	0	0	0	0	0
UT6-6_Rev_3	5.36	0	0	4.34	1.02	0.29	37.85	0.19	0	0	0	0	0	0	0	0
UT4-168	5.36	0	0	3.39	1.97	0.25	20.66	0.368	0	0	0	0	0	0	0	0
UT4-137	5.36	0	0	3.7	1.66	0.23	21.34	0.31	0	0	0	0	0	0	0	0
UT3-119	5.36	0	0	2.88	2.48	0.4	34.95	0.463	0	0	0	0	0	0	0	0
UT3-80_2	5.36	0	0	2.82	2.54	0.41	35.3	0.474	0	0	0	0	0	0	0	0
UT6-76_2	5.36	0	0	4.08	1.28	0.22	24.4	0.239	0	0	0	0	0	0	0	0
UT6-76_3	5.36	0	0	3.97	1.39	0.08	8.13	0.259	0	0	0	0	0	0	0	0
UT4-116_3	5.36	0	0	2.72	2.63	0.12	9.94	0.491	0	0	0	0	0	0	0	0
UT7-85_1	5.36	0	0	4.05	1.31	0.18	17.65	0.245	0	0	0	0	0	0	0	0
UT7-85_2	5.36	0	0	3.91	1.45	0.2	16.68	0.271	0	0	0	0	0	0	0	0
UT7-85_3	5.36	0	0	3.91	1.45	0.17	14.59	0.271	0	0	0	0	0	0	0	0
UT6-106	5.36	0	0	4.38	0.98	0.08	11.34	0.182	0	0	0	0	0	0	0	0
UT4-66_2	5.36	0	0	3.6	1.76	0.21	15.47	0.328	0	0	0	0	0	0	0	0
UT6-73_3	5.36	0	0	3.99	1.36	0.09	9.09	0.254	0	0	0	0	0	0	0	0
UT4-105_1	5.36	0	0	2.82	2.53	0.36	28.31	0.472	0	0	0	0	0	0	0	0
UT4-79	5.36	0	0	3.95	1.41	0.28	34.35	0.263	0	0	0	0	0	0	0	0
UT4-68	5.36	0	0	2.83	2.52	0.35	19.5	0.47	0	0	0	0	0	0	0	0
UT6-185	5.36	0	0	4.46	0.9	0.17	19.48	0.168	0	0	0	0	0	0	0	0
UT3-80_3	5.36	0	0	2.63	2.72	0.19	14	0.507	0	0	0	0	0	0	0	0
UT6-63	5.36	0	0	4.58	0.78	0.31	33.46	0.146	0	0	0	0	0	0	0	0
UT4-75	5.36	0	0	3.32	2.04	0.26	19.92	0.38	0	0	0	0	0	0	0	0
UT6-104_1	5.36	0	0	3.46	1.9	0.48	39.52	0.355	0	0	0	0	0	0	0	0
UT3-80_4	5.36	0	0	2.98	2.37	0.26	21.13	0.442	0	0	0	0	0	0	0	0
UT3-71	5.36	0	0	3.1	2.25	0.24	15.49	0.42	0	0	0	0	0	0	0	0
UT6-104_2	5.36	0	0	3.68	1.68	0.15	17.95	0.314	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT4-82_1	5.36	0	0	3.48	1.88	0.56	44.57	0.35	0	0	0	0	0	0	0	0
UT7-89_1	5.36	0	0	4.1	1.26	0.11	11.05	0.234	0	0	0	0	0	0	0	0
UT7-103_1	5.36	0	0	4.04	1.32	0.16	13.46	0.246	0	0	0	0	0	0	0	0
UT6-8_Rev_5	5.36	0	0	3.94	1.43	0.07	8.64	0.266	0	0	0	0	0	0	0	0
UT7-89_2	5.36	0	0	3.94	1.42	0.15	16.32	0.265	0	0	0	0	0	0	0	0
UT6-90_1	5.36	0	0	3.62	1.75	0.25	23.82	0.326	0	0	0	0	0	0	0	0
UT4-83	5.36	0	0	2.7	2.66	0.22	17.52	0.496	0	0	0	0	0	0	0	0
UT6-8_Rev_6	5.36	0	0	3.71	1.65	0.1	8.92	0.307	0	0	0	0	0	0	0	0
UT4-84_1	5.36	0	0	3.7	1.66	0.31	36.75	0.309	0	0	0	0	0	0	0	0
UT4-105_2	5.36	0	0	3.19	2.17	0.15	14.02	0.404	0	0	0	0	0	0	0	0
UT6-81_1	5.36	0	0	3.55	1.81	0.19	18.57	0.338	0	0	0	0	0	0	0	0
UT6-81_2	5.36	0	0	3.04	2.31	0.26	19.82	0.431	0	0	0	0	0	0	0	0
UT6-128_1	5.36	0	0	4.26	1.11	0.22	27.62	0.206	0	0	0	0	0	0	0	0
UT4-84_2	5.36	0	0	3.37	1.99	0.24	21.95	0.371	0	0	0	0	0	0	0	0
UT6-78_Rev_1	5.36	0	0	3.8	1.56	0.29	30.34	0.292	0	0	0	0	0	0	0	0
UT7-89_3	5.36	0	0	4.1	1.26	0.16	12.59	0.234	0	0	0	0	0	0	0	0
UT6-90_2	5.36	0	0	4.02	1.35	0.11	14.82	0.251	0	0	0	0	0	0	0	0
UT6-132	5.36	0	0	3.41	1.95	0.12	10.31	0.363	0	0	0	0	0	0	0	0
UT4-167	5.36	0	0	3.54	1.82	0.31	23.62	0.339	0	0	0	0	0	0	0	0
UT6-78_Rev_2	5.36	0	0	3.5	1.86	0.23	17.84	0.346	0	0	0	0	0	0	0	0
UT6-78_Rev_3	5.36	0	0	3.57	1.79	0.15	14.54	0.333	0	0	0	0	0	0	0	0
UT4-120	5.36	0	0	2.59	2.76	0.13	9.42	0.515	0	0	0	0	0	0	0	0
UT6-122	5.36	0	0	4.27	1.09	0.4	38.08	0.204	0	0	0	0	0	0	0	0
UT4-58	5.36	0	0	3.13	2.23	0.16	12.62	0.415	0	0	0	0	0	0	0	0
UT4-86_1	5.36	0	0	2.86	2.49	0.41	28.19	0.464	0	0	0	0	0	0	0	0
UT6-90_3	5.36	0	0	3.94	1.42	0.07	7.22	0.266	0	0	0	0	0	0	0	0
UT7-117	5.36	0	0	4.36	0.99	0.55	33.39	0.185	0	0	0	0	0	0	0	0
UT4-82_2	5.36	0	0	3.57	1.79	0.17	14.44	0.334	0	0	0	0	0	0	0	0
UT6-92_1	5.36	0	0	3.87	1.49	0.13	12.98	0.278	0	0	0	0	0	0	0	0
UT4-86_2	5.36	0	0	3.46	1.91	0.1	9.28	0.356	0	0	0	0	0	0	0	0
UT4-88_1	5.36	0	0	3.75	1.61	0.55	47.11	0.301	0	0	0	0	0	0	0	0
UT7-103_2	5.36	0	0	4.38	0.98	0.31	29.8	0.183	0	0	0	0	0	0	0	0
UT6-128_2	5.36	0	0	4.29	1.08	0.08	10.61	0.201	0	0	0	0	0	0	0	0
UT4-84_3	5.36	0	0	3.16	2.2	0.26	23.43	0.41	0	0	0	0	0	0	0	0
UT4-88_2	5.36	0	0	2.84	2.52	0.05	4.67	0.47	0	0	0	0	0	0	0	0
UT4-87	5.36	0	0	3.5	1.86	0.24	17.93	0.347	0	0	0	0	0	0	0	0
UT6-92_2	5.36	0	0	3.83	1.53	0.19	19.47	0.285	0	0	0	0	0	0	0	0
UT4-91_1	5.36	0	0	3.35	2.01	0.23	15.74	0.375	0	0	0	0	0	0	0	0
UT4-91_2	5.36	0	0	3.13	2.23	0.26	22.21	0.415	0	0	0	0	0	0	0	0
UT4-91_3	5.36	0	0	3.11	2.25	0.27	26.67	0.419	0	0	0	0	0	0	0	0
UT4-95_1	5.36	0	0	3.84	1.52	0.15	15.49	0.283	0	0	0	0	0	0	0	0
UT6-93_1	5.36	0	0	4.12	1.25	0.28	24.02	0.232	0	0	0	0	0	0	0	0
UT6-93_2	5.36	0	0	3.96	1.4	0.17	18.52	0.262	0	0	0	0	0	0	0	0
UT6-3	5.36	0	0	3.83	1.53	0.15	12.79	0.285	0	0	0	0	0	0	0	0
UT6-96	5.36	0	0	3.76	1.6	0.11	7.69	0.299	0	0	0	0	0	0	0	0
UT6-127_1	5.36	0	0	3.83	1.53	0.14	11.89	0.286	0	0	0	0	0	0	0	0
UT6-127_2	5.36	0	0	4.31	1.05	0.09	11.32	0.196	0	0	0	0	0	0	0	0
UT6-97	5.36	0	0	4.26	1.1	0.11	9.75	0.205	0	0	0	0	0	0	0	0

Subcatchment SWMM 5-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT5-99_1	5.36	0	0	3.94	1.43	0.3	26.19	0.266	0	0	0	0	0	0	0	0
UT4-100_1	5.36	0	0	3.83	1.54	0.35	34.52	0.286	0	0	0	0	0	0	0	0
UT4-95_2	5.36	0	0	3.72	1.63	0.22	17.86	0.305	0	0	0	0	0	0	0	0
UT4-100_2	5.36	0	0	3.61	1.75	0.28	25.04	0.327	0	0	0	0	0	0	0	0
UT5-99_2	5.36	0	0	3.38	1.98	0.19	13.49	0.369	0	0	0	0	0	0	0	0
CC-MAS1359	5.36	0	0	3.41	1.94	0.1	7.51	0.363	0	0	0	0	0	0	0	0
CC-MASJ127	5.36	0	0	3.35	2.01	0.2	16.33	0.375	0	0	0	0	0	0	0	0
CC-J810	5.36	0	0	2.91	2.44	0.39	26.65	0.455	0	0	0	0	0	0	0	0
CC-J97	5.36	0	0	2.84	2.52	0.12	7.52	0.47	0	0	0	0	0	0	0	0
UT-_1	5.36	0	0	5	0.36	2.17	182.19	0.067	0	0	0	0	0	0	0	0
UT-_2	5.36	0	0	4.83	0.53	0.46	83.9	0.098	0	0	0	0	0	0	0	0
UT-816_2	5.36	0	0	5.21	0.15	3.44	213.7	0.028	0	0	0	0	0	0	0	0
BC-1385_2	5.36	0	0	3.47	1.89	0.28	16.07	0.353	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT6-124	6	0	0	4.89	1.11	0.23	23.16	0.185	0	0	0	0	0	0	0	0
PO-763_1	6	0	0	5.13	0.86	8.04	258.59	0.144	0	0	0	0	0	0	0	0
UT-2861	6	0	0	4.44	1.56	5.45	174.45	0.259	0	0	0	0	0	0	0	0
CC-MASJ1365_1	6	0	0	3.36	2.64	0.12	9.83	0.44	0	0	0	0	0	0	0	0
UT-805_1	6	0	0	3.78	2.22	0.33	14.78	0.371	0	0	0	0	0	0	0	0
CC-J779_1	6	0	0	3.57	2.43	1.03	52.28	0.405	0	0	0	0	0	0	0	0
PO-725	6	0	0	3.49	2.51	0.39	37.25	0.418	0	0	0	0	0	0	0	0
CC-J801	6	0	0	3.58	2.42	0.41	30.85	0.403	0	0	0	0	0	0	0	0
CC-J867_1	6	0	0	3.32	2.68	0.37	24.85	0.446	0	0	0	0	0	0	0	0
PO-839	6	0	0	3.63	2.37	0.77	49.24	0.395	0	0	0	0	0	0	0	0
UT-844_1	6	0	0	3.71	2.29	0.17	11.24	0.381	0	0	0	0	0	0	0	0
PO-763_2	6	0	0	3.43	2.57	0.51	30.72	0.428	0	0	0	0	0	0	0	0
CC-J867_2	6	0	0	3.64	2.36	0.31	25.09	0.393	0	0	0	0	0	0	0	0
UT-2820_1	6	0	0	3.74	2.26	0.3	13.78	0.377	0	0	0	0	0	0	0	0
UT-844_2	6	0	0	3.89	2.11	0.23	12.67	0.351	0	0	0	0	0	0	0	0
PO-835	6	0	0	3.3	2.7	0.57	42.74	0.45	0	0	0	0	0	0	0	0
PO-837	6	0	0	3.05	2.94	0.21	17.9	0.491	0	0	0	0	0	0	0	0
UT-805_2	6	0	0	3.89	2.11	0.19	8.59	0.352	0	0	0	0	0	0	0	0
CC-J779_2	6	0	0	3.38	2.62	0.38	28.54	0.436	0	0	0	0	0	0	0	0
UT-844_3	6	0	0	3.64	2.36	0.45	29.35	0.393	0	0	0	0	0	0	0	0
PO-44_1	6	0	0	3.53	2.47	0.19	15.57	0.411	0	0	0	0	0	0	0	0
UT-816_1	6	0	0	3.96	2.05	0.32	20.26	0.341	0	0	0	0	0	0	0	0
CC-J908_1	6	0	0	3.5	2.49	0.87	43.15	0.415	0	0	0	0	0	0	0	0
PO-830_1	6	0	0	3.03	2.97	0.28	21.04	0.495	0	0	0	0	0	0	0	0
PO-830_2	6	0	0	3.4	2.6	0.51	35.63	0.433	0	0	0	0	0	0	0	0
PO-856	6	0	0	3.42	2.58	0.55	28.23	0.43	0	0	0	0	0	0	0	0
UT-988_1	6	0	0	5.24	0.76	1.09	75.85	0.127	0	0	0	0	0	0	0	0
UT-877	6	0	0	4.5	1.49	0.68	57.41	0.249	0	0	0	0	0	0	0	0
UT-860	6	0	0	4.66	1.34	0.27	18.93	0.224	0	0	0	0	0	0	0	0
PO-44_2	6	0	0	3.43	2.57	0.29	19.82	0.428	0	0	0	0	0	0	0	0
UT-832	6	0	0	4.13	1.87	0.22	17.12	0.311	0	0	0	0	0	0	0	0
CC-J75	6	0	0	3.36	2.64	0.08	5.86	0.439	0	0	0	0	0	0	0	0
CC-MASJ888	6	0	0	3.3	2.7	0.13	9.38	0.45	0	0	0	0	0	0	0	0
CC-J69	6	0	0	3.47	2.53	0.41	19.65	0.422	0	0	0	0	0	0	0	0
PO-35_1	6	0	0	3.55	2.45	0.17	13.66	0.409	0	0	0	0	0	0	0	0
CC-J81	6	0	0	4.74	1.26	0.46	32.03	0.21	0	0	0	0	0	0	0	0
CC-MASJ122	6	0	0	4.47	1.52	0.27	17.92	0.254	0	0	0	0	0	0	0	0
CC-J935	6	0	0	5.12	0.88	3.43	142.82	0.146	0	0	0	0	0	0	0	0
CC-J1012	6	0	0	4.21	1.79	0.28	21.87	0.299	0	0	0	0	0	0	0	0
CC-J875_1	6	0	0	3.51	2.49	0.24	18.18	0.415	0	0	0	0	0	0	0	0
UT-2820_2	6	0	0	3.6	2.4	0.21	12.25	0.4	0	0	0	0	0	0	0	0
PO-37	6	0	0	3.04	2.95	0.65	46.81	0.492	0	0	0	0	0	0	0	0
CC-J879_1	6	0	0	3.53	2.47	0.43	28.25	0.411	0	0	0	0	0	0	0	0
CC-J882	6	0	0	3.66	2.33	0.29	19.6	0.389	0	0	0	0	0	0	0	0
CC-J875_2	6	0	0	3.43	2.57	0.13	11.32	0.429	0	0	0	0	0	0	0	0
UT-848	6	0	0	3.88	2.12	0.34	25.53	0.353	0	0	0	0	0	0	0	0
UT-873	6	0	0	5.33	0.67	0.2	22.74	0.111	0	0	0	0	0	0	0	0
PO-35_2	6	0	0	3.42	2.58	0.55	32.9	0.429	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-16042417_1	6	0	0	4.92	1.08	0.31	15.83	0.179	0	0	0	0	0	0	0	0
PO-3007	6	0	0	3.51	2.49	0.2	17.94	0.415	0	0	0	0	0	0	0	0
CC-MASJ130	6	0	0	3.22	2.77	0.31	19.8	0.462	0	0	0	0	0	0	0	0
UT-2857_1	6	0	0	3.83	2.17	0.27	20	0.362	0	0	0	0	0	0	0	0
CC-J879_2	6	0	0	3.58	2.42	0.2	15.18	0.403	0	0	0	0	0	0	0	0
CC-J879_3	6	0	0	3.71	2.29	0.35	26.14	0.381	0	0	0	0	0	0	0	0
CC-J879_4	6	0	0	3.56	2.44	0.25	19.15	0.406	0	0	0	0	0	0	0	0
UT-15042417	6	0	0	3.43	2.57	0.17	13.05	0.428	0	0	0	0	0	0	0	0
UT-2857_2	6	0	0	3.29	2.71	0.51	25.7	0.451	0	0	0	0	0	0	0	0
UT-2748	6	0	0	4.67	1.34	0.05	5.33	0.223	0	0	0	0	0	0	0	0
PO-870	6	0	0	3.59	2.41	0.44	30.58	0.402	0	0	0	0	0	0	0	0
UT-921_1	6	0	0	3.67	2.33	0.38	23.86	0.388	0	0	0	0	0	0	0	0
PO-3044	6	0	0	3.36	2.64	0.21	17.12	0.439	0	0	0	0	0	0	0	0
CC-MASJ133	6	0	0	3.42	2.58	0.09	6.56	0.43	0	0	0	0	0	0	0	0
PO-925_1	6	0	0	3.36	2.64	0.26	20.56	0.44	0	0	0	0	0	0	0	0
CC-MASJ135	6	0	0	3.6	2.4	0.1	8.95	0.4	0	0	0	0	0	0	0	0
CC-MASJ126	6	0	0	3.43	2.57	0.17	12.52	0.429	0	0	0	0	0	0	0	0
CC-MASJ129	6	0	0	3.82	2.17	0.15	11.67	0.362	0	0	0	0	0	0	0	0
PO-900	6	0	0	2.96	3.03	0.37	21.16	0.505	0	0	0	0	0	0	0	0
CC-MASJ117	6	0	0	3.34	2.65	0.14	10	0.442	0	0	0	0	0	0	0	0
CC-J40	6	0	0	3.02	2.98	0.13	9.12	0.496	0	0	0	0	0	0	0	0
UT-137	6	0	0	3.57	2.42	0.38	21.8	0.404	0	0	0	0	0	0	0	0
UT-896	6	0	0	3.31	2.69	0.25	14.54	0.448	0	0	0	0	0	0	0	0
UT-910	6	0	0	4.29	1.7	0.36	26.5	0.284	0	0	0	0	0	0	0	0
PO-925_2	6	0	0	3.12	2.87	0.2	14.09	0.479	0	0	0	0	0	0	0	0
PO-2886_1	6	0	0	3.46	2.54	0.21	19.14	0.423	0	0	0	0	0	0	0	0
PO-2842	6	0	0	4.58	1.42	0.16	16.54	0.236	0	0	0	0	0	0	0	0
UT-971_1	6	0	0	3.47	2.53	0.42	21.13	0.421	0	0	0	0	0	0	0	0
UT-927	6	0	0	3.66	2.34	0.31	18.08	0.389	0	0	0	0	0	0	0	0
PO-946	6	0	0	4.37	1.63	0.35	29.81	0.272	0	0	0	0	0	0	0	0
UT-2724	6	0	0	3.55	2.45	0.52	34.78	0.408	0	0	0	0	0	0	0	0
PO-964_1	6	0	0	2.88	3.12	0.39	28.88	0.519	0	0	0	0	0	0	0	0
UT-968_1	6	0	0	3.7	2.3	0.38	25.15	0.383	0	0	0	0	0	0	0	0
UT-996	6	0	0	3.72	2.28	0.53	28.21	0.379	0	0	0	0	0	0	0	0
UT-971_2	6	0	0	3.74	2.26	0.29	14.92	0.376	0	0	0	0	0	0	0	0
PO-931	6	0	0	3.18	2.82	0.23	16.63	0.469	0	0	0	0	0	0	0	0
PO-950_1	6	0	0	3.52	2.48	0.26	22.72	0.413	0	0	0	0	0	0	0	0
UT-937	6	0	0	3.49	2.51	0.34	17.48	0.418	0	0	0	0	0	0	0	0
UT-921_2	6	0	0	3.71	2.29	0.21	15.93	0.382	0	0	0	0	0	0	0	0
UT-980	6	0	0	3.8	2.2	0.34	19.01	0.367	0	0	0	0	0	0	0	0
PO-975_1	6	0	0	4.51	1.49	0.48	27.3	0.249	0	0	0	0	0	0	0	0
CC-J955	6	0	0	4.03	1.97	0.28	19.95	0.328	0	0	0	0	0	0	0	0
UT-1023_1	6	0	0	3.14	2.86	0.43	23.22	0.476	0	0	0	0	0	0	0	0
UT-968_2	6	0	0	3.59	2.41	0.18	13.01	0.402	0	0	0	0	0	0	0	0
CC-J879_5	6	0	0	3.55	2.45	0.32	21.46	0.408	0	0	0	0	0	0	0	0
PO-950_2	6	0	0	3.53	2.47	0.36	29.02	0.412	0	0	0	0	0	0	0	0
UT-1023_2	6	0	0	3.39	2.61	0.41	21.65	0.434	0	0	0	0	0	0	0	0
CC-J908_2	6	0	0	3.41	2.58	0.35	25.15	0.43	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-40042417	6	0	0	4.01	1.99	2.27	84.95	0.332	0	0	0	0	0	0	0	0
UT-973_1	6	0	0	3.65	2.35	0.31	18.68	0.391	0	0	0	0	0	0	0	0
UT-973_2	6	0	0	3.73	2.27	0.21	12.98	0.379	0	0	0	0	0	0	0	0
PO-2886_2	6	0	0	3.43	2.57	0.58	42.49	0.429	0	0	0	0	0	0	0	0
PO-964_2	6	0	0	3.31	2.69	0.55	39.03	0.448	0	0	0	0	0	0	0	0
UT-959	6	0	0	3.73	2.27	0.44	24.46	0.378	0	0	0	0	0	0	0	0
UT-1023_3	6	0	0	3.57	2.43	0.45	28.64	0.405	0	0	0	0	0	0	0	0
PO-2989_1	6	0	0	4.72	1.28	0.2	25.84	0.213	0	0	0	0	0	0	0	0
CC-MASJ1021_1	6	0	0	3.53	2.47	0.15	11.26	0.411	0	0	0	0	0	0	0	0
PO-964_3	6	0	0	3.25	2.74	0.41	26.1	0.457	0	0	0	0	0	0	0	0
UT-2739	6	0	0	3.69	2.31	0.47	25.54	0.384	0	0	0	0	0	0	0	0
CC-J101	6	0	0	2.95	3.04	0.26	15.17	0.507	0	0	0	0	0	0	0	0
CC-J1043_1	6	0	0	3.54	2.46	0.94	55.45	0.41	0	0	0	0	0	0	0	0
CC-J110	6	0	0	3.47	2.53	0.18	15.44	0.421	0	0	0	0	0	0	0	0
UT-1004	6	0	0	3.6	2.4	0.58	39.86	0.4	0	0	0	0	0	0	0	0
PO-978	6	0	0	3.5	2.5	0.21	19.61	0.417	0	0	0	0	0	0	0	0
UT-1069	6	0	0	3.58	2.41	0.32	14.12	0.402	0	0	0	0	0	0	0	0
CC-J986	6	0	0	3.39	2.61	0.34	23.64	0.435	0	0	0	0	0	0	0	0
UT-1045_1	6	0	0	3.58	2.42	0.24	17.33	0.403	0	0	0	0	0	0	0	0
CC-MASJ1141	6	0	0	3.68	2.32	0.6	37.06	0.386	0	0	0	0	0	0	0	0
CC-MASJ1021_2	6	0	0	3.63	2.37	0.38	20.6	0.394	0	0	0	0	0	0	0	0
UT-988_2	6	0	0	3.54	2.46	0.23	18.19	0.41	0	0	0	0	0	0	0	0
CC-CibIntoCity	6	0	0	4.47	1.53	0.21	21.24	0.255	0	0	0	0	0	0	0	0
PO-1049_1	6	0	0	3.94	2.05	0.26	19.96	0.342	0	0	0	0	0	0	0	0
PO-975_2	6	0	0	5.4	0.6	0.04	4.79	0.1	0	0	0	0	0	0	0	0
CC-J1027_1	6	0	0	3.25	2.74	0.42	24.03	0.457	0	0	0	0	0	0	0	0
UT-1053_1	6	0	0	3.03	2.96	0.14	8.58	0.494	0	0	0	0	0	0	0	0
UT-2882_1	6	0	0	3.6	2.4	0.19	13.42	0.4	0	0	0	0	0	0	0	0
UT-1042417	6	0	0	3.67	2.33	0.68	36.36	0.389	0	0	0	0	0	0	0	0
CC-J1043_2	6	0	0	3.57	2.43	0.35	25.7	0.405	0	0	0	0	0	0	0	0
PO-2899_1	6	0	0	5.32	0.68	0.05	6.17	0.113	0	0	0	0	0	0	0	0
UT-2982_1	6	0	0	3.52	2.48	0.29	25.19	0.414	0	0	0	0	0	0	0	0
CC-J2913_1	6	0	0	4.8	1.2	0.15	22.24	0.201	0	0	0	0	0	0	0	0
UT-2751_1	6	0	0	3.5	2.5	0.3	16.71	0.416	0	0	0	0	0	0	0	0
PO-2989_2	6	0	0	3.49	2.51	0.12	11.42	0.419	0	0	0	0	0	0	0	0
UT-1053_2	6	0	0	3.37	2.63	0.29	18.51	0.438	0	0	0	0	0	0	0	0
PO-2793	6	0	0	4.75	1.25	0.17	22.24	0.209	0	0	0	0	0	0	0	0
CC-J994	6	0	0	3.25	2.75	0.47	25.36	0.458	0	0	0	0	0	0	0	0
CC-J1027_2	6	0	0	3.29	2.71	0.6	37.58	0.452	0	0	0	0	0	0	0	0
PO-975_3	6	0	0	4.68	1.32	0.11	12.76	0.22	0	0	0	0	0	0	0	0
UT-1047	6	0	0	3.73	2.27	0.18	16.31	0.379	0	0	0	0	0	0	0	0
UT-1037	6	0	0	4.45	1.55	0.76	34.5	0.258	0	0	0	0	0	0	0	0
UT-2812	6	0	0	3.61	2.39	0.15	8.51	0.399	0	0	0	0	0	0	0	0
UT-1033	6	0	0	3.48	2.51	0.46	26.72	0.419	0	0	0	0	0	0	0	0
UT-2966_1	6	0	0	4.04	1.96	0.23	10.93	0.326	0	0	0	0	0	0	0	0
PO-2899_2	6	0	0	4.71	1.29	0.11	10.48	0.216	0	0	0	0	0	0	0	0
PO-1049_2	6	0	0	3.1	2.89	0.58	41.05	0.482	0	0	0	0	0	0	0	0
CC-J2913_2	6	0	0	3.6	2.4	0.24	22.08	0.4	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-16042417_2	6	0	0	3.43	2.57	0.21	15.26	0.429	0	0	0	0	0	0	0	0
CC-J143	6	0	0	3.11	2.88	0.41	24.6	0.48	0	0	0	0	0	0	0	0
PO-1031	6	0	0	3.27	2.73	0.33	27.87	0.454	0	0	0	0	0	0	0	0
CC-J1085	6	0	0	3.6	2.4	0.3	19.44	0.401	0	0	0	0	0	0	0	0
PO-1049_3	6	0	0	3.18	2.82	0.25	22.3	0.47	0	0	0	0	0	0	0	0
UT-1000	6	0	0	3.61	2.39	0.29	19.21	0.398	0	0	0	0	0	0	0	0
CC-J1093	6	0	0	3.39	2.61	0.51	31.06	0.435	0	0	0	0	0	0	0	0
UT-2982_2	6	0	0	3.72	2.28	0.12	11.22	0.38	0	0	0	0	0	0	0	0
UT-1102_1	6	0	0	3.61	2.39	0.32	21.83	0.399	0	0	0	0	0	0	0	0
PO-1110_1	6	0	0	4.93	1.07	0.15	17.72	0.178	0	0	0	0	0	0	0	0
CC-J85	6	0	0	3.73	2.27	0.42	38.73	0.378	0	0	0	0	0	0	0	0
CC-J1043_3	6	0	0	3.53	2.47	0.28	23.03	0.412	0	0	0	0	0	0	0	0
CC-J1083	6	0	0	3.33	2.66	0.42	29.36	0.444	0	0	0	0	0	0	0	0
UT-1117	6	0	0	3.74	2.26	0.32	26.33	0.377	0	0	0	0	0	0	0	0
UT-1045_2	6	0	0	3.55	2.45	0.24	19.18	0.409	0	0	0	0	0	0	0	0
PO-1049_4	6	0	0	3.27	2.72	0.26	19.79	0.453	0	0	0	0	0	0	0	0
CC-J2913_3	6	0	0	4.41	1.59	0.11	12.77	0.265	0	0	0	0	0	0	0	0
CC-J2936	6	0	0	3.47	2.53	0.2	19.78	0.421	0	0	0	0	0	0	0	0
UT-1100	6	0	0	3.76	2.24	0.21	10.07	0.374	0	0	0	0	0	0	0	0
UT-1095	6	0	0	3.59	2.41	0.33	22.12	0.401	0	0	0	0	0	0	0	0
UT-1133	6	0	0	3.41	2.59	0.14	9.42	0.431	0	0	0	0	0	0	0	0
UT-1149	6	0	0	3.67	2.33	0.24	13.83	0.388	0	0	0	0	0	0	0	0
CC-J1138_1	6	0	0	3.38	2.62	0.33	30.12	0.436	0	0	0	0	0	0	0	0
CC-J1190_1	6	0	0	3.26	2.74	0.39	25.5	0.456	0	0	0	0	0	0	0	0
UT-1102_2	6	0	0	3.78	2.22	0.32	19.21	0.37	0	0	0	0	0	0	0	0
CC-J2	6	0	0	4.32	1.68	0.5	47.37	0.28	0	0	0	0	0	0	0	0
PO-2899_3	6	0	0	4.92	1.08	0.04	7.93	0.181	0	0	0	0	0	0	0	0
UT-2882_2	6	0	0	3.72	2.28	0.29	24.94	0.379	0	0	0	0	0	0	0	0
PO-1192_1	6	0	0	3.32	2.68	0.4	33.24	0.446	0	0	0	0	0	0	0	0
PO-1121	6	0	0	3.49	2.51	0.44	31.85	0.418	0	0	0	0	0	0	0	0
PO-1110_2	6	0	0	3.65	2.35	0.42	35.72	0.392	0	0	0	0	0	0	0	0
CC-J113_1	6	0	0	3.18	2.82	0.42	29.6	0.47	0	0	0	0	0	0	0	0
PO-1192_2	6	0	0	3.75	2.25	0.33	19.04	0.375	0	0	0	0	0	0	0	0
PO-1110_3	6	0	0	4.58	1.42	0.44	32.4	0.236	0	0	0	0	0	0	0	0
PO-1192_3	6	0	0	3.59	2.41	0.39	28.1	0.402	0	0	0	0	0	0	0	0
CC-J1143	6	0	0	3.52	2.48	0.4	35.33	0.414	0	0	0	0	0	0	0	0
CC-J1163_1	6	0	0	3.39	2.61	0.41	25.73	0.435	0	0	0	0	0	0	0	0
UT-2954_1	6	0	0	3.55	2.45	0.51	40.19	0.409	0	0	0	0	0	0	0	0
UT-8042417	6	0	0	3.38	2.62	0.58	26.03	0.437	0	0	0	0	0	0	0	0
PO-1110_4	6	0	0	5.06	0.94	0.09	13.45	0.157	0	0	0	0	0	0	0	0
CC-J1151	6	0	0	2.93	3.06	0.3	21.12	0.51	0	0	0	0	0	0	0	0
UT-1197	6	0	0	3.65	2.35	0.56	34.3	0.392	0	0	0	0	0	0	0	0
UT-2751_2	6	0	0	3.04	2.95	0.32	24.29	0.492	0	0	0	0	0	0	0	0
UT-2954_2	6	0	0	3.68	2.32	0.12	11.96	0.387	0	0	0	0	0	0	0	0
UT-1185	6	0	0	3.62	2.39	0.33	27.1	0.398	0	0	0	0	0	0	0	0
PO-1104_1	6	0	0	4.3	1.7	0.19	22.32	0.283	0	0	0	0	0	0	0	0
CC-J141	6	0	0	3.17	2.83	0.25	18.12	0.471	0	0	0	0	0	0	0	0
CC-J113_2	6	0	0	3.39	2.61	0.21	15.44	0.435	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2798	6	0	0	3.46	2.54	0.39	34.13	0.424	0	0	0	0	0	0	0	0
UT-3042417_1	6	0	0	3.58	2.41	0.27	17.04	0.402	0	0	0	0	0	0	0	0
CC-J1168	6	0	0	4.2	1.8	0.35	13.54	0.299	0	0	0	0	0	0	0	0
BC-1203_1	6	0	0	3.58	2.42	0.42	30.44	0.403	0	0	0	0	0	0	0	0
UT-6042417_1	6	0	0	3.65	2.35	0.54	30.46	0.392	0	0	0	0	0	0	0	0
PO-1153	6	0	0	5.4	0.6	0.15	16.92	0.101	0	0	0	0	0	0	0	0
UT-1178_1	6	0	0	3.5	2.5	0.07	6.91	0.417	0	0	0	0	0	0	0	0
UT-1178_2	6	0	0	3.56	2.44	0.19	15.28	0.406	0	0	0	0	0	0	0	0
CC-J1138_2	6	0	0	4.19	1.8	0.36	29.88	0.301	0	0	0	0	0	0	0	0
UT-1155	6	0	0	3.54	2.46	0.16	12.75	0.41	0	0	0	0	0	0	0	0
CC-J1157_1	6	0	0	3.64	2.36	0.18	11.17	0.394	0	0	0	0	0	0	0	0
UT-1161	6	0	0	3.51	2.49	0.14	8.25	0.415	0	0	0	0	0	0	0	0
UT-1178_3	6	0	0	3.61	2.39	0.29	19.8	0.398	0	0	0	0	0	0	0	0
CC-J1163_2	6	0	0	3.1	2.9	0.44	37.07	0.483	0	0	0	0	0	0	0	0
UT-4042417_1	6	0	0	3.2	2.79	0.25	14.89	0.465	0	0	0	0	0	0	0	0
UT-1227_1	6	0	0	4.2	1.79	0.19	13.09	0.299	0	0	0	0	0	0	0	0
UT-1240_1	6	0	0	3.7	2.3	0.53	38.97	0.383	0	0	0	0	0	0	0	0
UT-4042417_2	6	0	0	3.41	2.59	0.5	24.38	0.431	0	0	0	0	0	0	0	0
UT-1240_2	6	0	0	3.84	2.16	0.26	14.01	0.36	0	0	0	0	0	0	0	0
CC-J1190_2	6	0	0	3.73	2.27	0.45	34.68	0.378	0	0	0	0	0	0	0	0
PO-1192_4	6	0	0	3.1	2.89	0.21	14.24	0.482	0	0	0	0	0	0	0	0
CC-J1182	6	0	0	3.6	2.4	0.24	15.58	0.401	0	0	0	0	0	0	0	0
PO-23	6	0	0	3.02	2.98	0.36	25.85	0.496	0	0	0	0	0	0	0	0
BC-1245_1	6	0	0	3.55	2.45	0.52	31.97	0.409	0	0	0	0	0	0	0	0
CC-J115	6	0	0	3.18	2.81	0.32	19.72	0.469	0	0	0	0	0	0	0	0
PO-1104_2	6	0	0	4.79	1.21	0.18	23.85	0.202	0	0	0	0	0	0	0	0
BC-2736	6	0	0	3.52	2.48	0.37	32.08	0.413	0	0	0	0	0	0	0	0
CC-J1138_3	6	0	0	3.63	2.36	0.26	20.79	0.394	0	0	0	0	0	0	0	0
BC-1289_1	6	0	0	4.45	1.55	0.11	9.41	0.259	0	0	0	0	0	0	0	0
PO-1234_1	6	0	0	3.21	2.79	0.43	33.09	0.465	0	0	0	0	0	0	0	0
UT-2919_1	6	0	0	3.61	2.39	0.42	28.32	0.398	0	0	0	0	0	0	0	0
UT-3042417_2	6	0	0	3.47	2.53	0.18	16.17	0.422	0	0	0	0	0	0	0	0
CC-J2905	6	0	0	3.52	2.48	0.21	19.98	0.413	0	0	0	0	0	0	0	0
CC-J2789_1	6	0	0	3.3	2.7	0.14	12.28	0.45	0	0	0	0	0	0	0	0
UT-6042417_2	6	0	0	2.92	3.08	0.25	14.04	0.513	0	0	0	0	0	0	0	0
UT-1212	6	0	0	3.54	2.46	0.47	31.31	0.409	0	0	0	0	0	0	0	0
CC-J1157_2	6	0	0	3.36	2.63	0.32	15.17	0.439	0	0	0	0	0	0	0	0
CC-J1190_3	6	0	0	4.53	1.47	0.18	21.03	0.245	0	0	0	0	0	0	0	0
CC-J1287_1	6	0	0	3.49	2.51	0.35	28.11	0.419	0	0	0	0	0	0	0	0
BC-1289_2	6	0	0	3.77	2.22	0.15	8.85	0.369	0	0	0	0	0	0	0	0
UT-1227_2	6	0	0	3.34	2.66	0.19	14.14	0.444	0	0	0	0	0	0	0	0
UT-2966_2	6	0	0	3.33	2.67	0.28	15.81	0.445	0	0	0	0	0	0	0	0
BC-1203_2	6	0	0	4.69	1.31	0.4	28.86	0.219	0	0	0	0	0	0	0	0
CC-J1271_1	6	0	0	3.42	2.58	0.39	32.41	0.429	0	0	0	0	0	0	0	0
PO-1223_1	6	0	0	5.14	0.86	0.12	11.84	0.144	0	0	0	0	0	0	0	0
BC-66_1	6	0	0	3.26	2.73	0.44	24.55	0.455	0	0	0	0	0	0	0	0
PO-1234_2	6	0	0	3.89	2.11	0.2	16.34	0.352	0	0	0	0	0	0	0	0
BC-1289_3	6	0	0	4.35	1.65	0.1	7.98	0.275	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1271_2	6	0	0	3.57	2.43	0.17	13.33	0.405	0	0	0	0	0	0	0	0
UT-1269_1	6	0	0	3.59	2.41	0.33	25.46	0.402	0	0	0	0	0	0	0	0
UT-1301_1	6	0	0	3.67	2.33	0.32	23.8	0.389	0	0	0	0	0	0	0	0
BC-1245_2	6	0	0	3.28	2.72	0.36	21.95	0.453	0	0	0	0	0	0	0	0
PO-1234_3	6	0	0	3.57	2.43	0.48	26.68	0.405	0	0	0	0	0	0	0	0
BC-1289_4	6	0	0	3.89	2.1	0.27	16.55	0.35	0	0	0	0	0	0	0	0
UT-7042417_1	6	0	0	3.76	2.24	0.19	10.2	0.374	0	0	0	0	0	0	0	0
UT-1227_3	6	0	0	3.34	2.66	0.62	37.4	0.443	0	0	0	0	0	0	0	0
PO-1297_1	6	0	0	4.69	1.31	0.17	16.15	0.218	0	0	0	0	0	0	0	0
BC-1238	6	0	0	3.63	2.37	0.39	24.87	0.395	0	0	0	0	0	0	0	0
BC-1259	6	0	0	4.23	1.77	0.18	9.72	0.294	0	0	0	0	0	0	0	0
BC-1242	6	0	0	3.61	2.37	0.2	12.64	0.396	0	0	0	0	0	0	0	0
UT-1232	6	0	0	3.73	2.27	0.21	17.98	0.378	0	0	0	0	0	0	0	0
CC-J1350_1	6	0	0	3.81	2.19	0.4	34.04	0.365	0	0	0	0	0	0	0	0
PO-1223_2	6	0	0	4.97	1.03	0.17	18.24	0.172	0	0	0	0	0	0	0	0
CC-J1287_2	6	0	0	3.53	2.47	0.27	19.19	0.411	0	0	0	0	0	0	0	0
CC-J2789_2	6	0	0	3.77	2.23	0.07	7.53	0.371	0	0	0	0	0	0	0	0
PO-1295	6	0	0	3.84	2.14	0.28	15.37	0.357	0	0	0	0	0	0	0	0
CC-J1255	6	0	0	4.23	1.77	0.3	36.41	0.296	0	0	0	0	0	0	0	0
UT-1269_2	6	0	0	3.5	2.5	0.25	15.2	0.417	0	0	0	0	0	0	0	0
UT-6042417_3	6	0	0	3.3	2.7	0.26	14.02	0.45	0	0	0	0	0	0	0	0
BC-48	6	0	0	3.58	2.42	0.17	12.04	0.403	0	0	0	0	0	0	0	0
BC-66_2	6	0	0	2.71	3.28	0.23	17.14	0.546	0	0	0	0	0	0	0	0
PO-1299_1	6	0	0	5.18	0.82	0.2	14.69	0.136	0	0	0	0	0	0	0	0
UT-2990_1	6	0	0	3.59	2.41	0.63	46.41	0.401	0	0	0	0	0	0	0	0
UT-2919_2	6	0	0	4.31	1.69	0.41	33.75	0.282	0	0	0	0	0	0	0	0
CC-J2790_1	6	0	0	4.03	1.97	0.1	11.78	0.328	0	0	0	0	0	0	0	0
BC-1249	6	0	0	3.28	2.72	0.24	15.69	0.453	0	0	0	0	0	0	0	0
UT-1279	6	0	0	4.44	1.56	0.13	16.77	0.26	0	0	0	0	0	0	0	0
UT-10042417	6	0	0	3.31	2.68	0.93	34.87	0.447	0	0	0	0	0	0	0	0
CC-J2790_2	6	0	0	4.13	1.87	0.28	25	0.312	0	0	0	0	0	0	0	0
UT-11042417_1	6	0	0	3.26	2.74	0.91	43.62	0.456	0	0	0	0	0	0	0	0
BC-1289_5	6	0	0	4.15	1.84	0.22	16.14	0.307	0	0	0	0	0	0	0	0
BC-1305_1	6	0	0	3.83	2.17	0.32	28.74	0.361	0	0	0	0	0	0	0	0
CC-J3026	6	0	0	4.37	1.62	0.3	31.48	0.271	0	0	0	0	0	0	0	0
UT-2707_1	6	0	0	4.55	1.45	0.07	8.51	0.241	0	0	0	0	0	0	0	0
BC-1305_2	6	0	0	3.66	2.33	0.24	16.13	0.388	0	0	0	0	0	0	0	0
CC-J1287_3	6	0	0	4.51	1.49	0.23	25.72	0.248	0	0	0	0	0	0	0	0
PO-1297_2	6	0	0	5.11	0.89	0.14	17.74	0.149	0	0	0	0	0	0	0	0
BC-66_3	6	0	0	2.86	3.13	0.18	11.5	0.521	0	0	0	0	0	0	0	0
BC-49	6	0	0	3.54	2.46	0.31	20.38	0.409	0	0	0	0	0	0	0	0
BC-1293	6	0	0	3.75	2.24	0.2	14.37	0.374	0	0	0	0	0	0	0	0
UT-7042417_2	6	0	0	3.36	2.64	0.36	25.72	0.44	0	0	0	0	0	0	0	0
CC-J2965_1	6	0	0	4.52	1.48	0.15	13.74	0.246	0	0	0	0	0	0	0	0
CC-J2965_2	6	0	0	4.42	1.57	0.26	17.41	0.262	0	0	0	0	0	0	0	0
UT-2707_2	6	0	0	4.49	1.51	0.14	17.57	0.251	0	0	0	0	0	0	0	0
BC-72	6	0	0	3.12	2.88	0.43	34.83	0.48	0	0	0	0	0	0	0	0
PO-1346_1	6	0	0	4.15	1.85	0.29	23.68	0.308	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J127_1	6	0	0	3.65	2.35	0.34	20.07	0.391	0	0	0	0	0	0	0	0
UT-1283	6	0	0	3.92	2.08	0.21	17.56	0.347	0	0	0	0	0	0	0	0
PO-1285	6	0	0	3.59	2.4	0.31	21.34	0.401	0	0	0	0	0	0	0	0
BC-1358	6	0	0	3.66	2.34	0.3	20.57	0.39	0	0	0	0	0	0	0	0
CC-J127_2	6	0	0	3.76	2.24	0.18	8.33	0.373	0	0	0	0	0	0	0	0
UT-2990_2	6	0	0	3.86	2.14	0.15	14.47	0.356	0	0	0	0	0	0	0	0
BC-73_1	6	0	0	3.48	2.52	0.32	24.63	0.419	0	0	0	0	0	0	0	0
CC-J127_3	6	0	0	3.68	2.33	0.46	26.51	0.388	0	0	0	0	0	0	0	0
CC-J80_1	6	0	0	3.5	2.5	0.22	9.79	0.417	0	0	0	0	0	0	0	0
PO-1299_2	6	0	0	4.97	1.03	0.1	10.69	0.172	0	0	0	0	0	0	0	0
CC-J127_4	6	0	0	3.61	2.39	0.22	10.93	0.398	0	0	0	0	0	0	0	0
CC-J80_2	6	0	0	3.47	2.53	0.52	34.86	0.421	0	0	0	0	0	0	0	0
BC-1318	6	0	0	3.61	2.39	0.14	9.74	0.398	0	0	0	0	0	0	0	0
CC-J80_3	6	0	0	3.39	2.61	0.68	39.07	0.434	0	0	0	0	0	0	0	0
CC-J1291	6	0	0	4.06	1.94	0.2	17.08	0.323	0	0	0	0	0	0	0	0
BC-1354_1	6	0	0	4.46	1.53	0.27	22.34	0.255	0	0	0	0	0	0	0	0
BC-1336	6	0	0	4.18	1.82	0.36	25.88	0.303	0	0	0	0	0	0	0	0
BC-73_2	6	0	0	2.97	3.03	0.34	25.97	0.505	0	0	0	0	0	0	0	0
UT-1301_2	6	0	0	4.27	1.72	0.27	19.9	0.287	0	0	0	0	0	0	0	0
BC-1307	6	0	0	3.68	2.31	0.29	21.36	0.386	0	0	0	0	0	0	0	0
BC-1392_1	6	0	0	4.11	1.88	0.37	28.07	0.314	0	0	0	0	0	0	0	0
UT-2902	6	0	0	4.21	1.79	0.62	49.93	0.299	0	0	0	0	0	0	0	0
PO-1316	6	0	0	4.95	1.05	0.15	15.65	0.175	0	0	0	0	0	0	0	0
CC-J1406	6	0	0	4.95	1.05	0.16	20.58	0.175	0	0	0	0	0	0	0	0
BC-1332	6	0	0	4.03	1.97	0.16	17.16	0.328	0	0	0	0	0	0	0	0
CC-J127_5	6	0	0	3.44	2.56	0.38	18.86	0.427	0	0	0	0	0	0	0	0
UT-14042417_1	6	0	0	3.71	2.29	0.41	21.5	0.382	0	0	0	0	0	0	0	0
BC-1377_1	6	0	0	4.44	1.56	0.53	33.84	0.259	0	0	0	0	0	0	0	0
PO-1346_2	6	0	0	3.74	2.26	0.18	15.11	0.376	0	0	0	0	0	0	0	0
UT-14042417_2	6	0	0	3.53	2.47	0.18	15.08	0.412	0	0	0	0	0	0	0	0
PO-1364	6	0	0	4.85	1.15	0.08	9.17	0.191	0	0	0	0	0	0	0	0
UT-1403	6	0	0	4.42	1.58	0.43	22.83	0.264	0	0	0	0	0	0	0	0
BC-1396	6	0	0	3.83	2.16	0.26	19.2	0.359	0	0	0	0	0	0	0	0
CC-J1350_2	6	0	0	4.12	1.87	0.24	15.22	0.311	0	0	0	0	0	0	0	0
CC-J1344	6	0	0	5.15	0.85	0.11	13.35	0.141	0	0	0	0	0	0	0	0
BC-1420	6	0	0	4.16	1.84	0.39	33.49	0.306	0	0	0	0	0	0	0	0
CC-J127_6	6	0	0	3.34	2.66	0.31	19.47	0.444	0	0	0	0	0	0	0	0
BC-7	6	0	0	4.11	1.88	0.14	11.12	0.313	0	0	0	0	0	0	0	0
CC-J82	6	0	0	3.46	2.54	0.74	49.5	0.424	0	0	0	0	0	0	0	0
BC-1385_1	6	0	0	3.21	2.79	0.42	31.52	0.464	0	0	0	0	0	0	0	0
UT-13042417_1	6	0	0	4.38	1.62	0.49	34.93	0.271	0	0	0	0	0	0	0	0
UT-11042417_2	6	0	0	3.55	2.45	0.19	11.3	0.408	0	0	0	0	0	0	0	0
BC-1354_2	6	0	0	4.29	1.71	0.29	31.91	0.284	0	0	0	0	0	0	0	0
PO-2722	6	0	0	5.09	0.91	0.2	19.07	0.152	0	0	0	0	0	0	0	0
BC-1309	6	0	0	3.97	2.03	0.22	16.99	0.338	0	0	0	0	0	0	0	0
PO-1371	6	0	0	4.65	1.35	0.34	35.82	0.226	0	0	0	0	0	0	0	0
UT-1398_1	6	0	0	3.7	2.3	0.21	18.4	0.383	0	0	0	0	0	0	0	0
CC-J1426_1	6	0	0	3.94	2.05	0.33	19.57	0.341	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1362	6	0	0	4.3	1.7	0.19	11.95	0.283	0	0	0	0	0	0	0	0
UT-11042417_3	6	0	0	3	2.99	0.28	13.24	0.499	0	0	0	0	0	0	0	0
BC-5	6	0	0	4.77	1.23	0.12	17.03	0.205	0	0	0	0	0	0	0	0
CC-J1435	6	0	0	5.29	0.71	0.16	21.58	0.118	0	0	0	0	0	0	0	0
BC-1377_2	6	0	0	5.25	0.75	0.08	12.53	0.125	0	0	0	0	0	0	0	0
BC-1428_1	6	0	0	4.71	1.29	0.14	10.04	0.215	0	0	0	0	0	0	0	0
BC-2934	6	0	0	4.46	1.54	0.17	17.71	0.256	0	0	0	0	0	0	0	0
BC-1430	6	0	0	4.48	1.51	0.13	14.05	0.252	0	0	0	0	0	0	0	0
UT-1369_1	6	0	0	3.48	2.52	0.23	12.05	0.419	0	0	0	0	0	0	0	0
UT-1369_2	6	0	0	3.19	2.8	0.23	14.5	0.467	0	0	0	0	0	0	0	0
UT-1398_2	6	0	0	3.44	2.56	0.65	28.05	0.427	0	0	0	0	0	0	0	0
CC-J127_7	6	0	0	3.49	2.5	0.92	33.28	0.417	0	0	0	0	0	0	0	0
PO-21	6	0	0	4.65	1.35	0.09	8.55	0.225	0	0	0	0	0	0	0	0
BC-1390	6	0	0	3.62	2.38	0.22	14.77	0.397	0	0	0	0	0	0	0	0
PO-1480_1	6	0	0	4.92	1.08	0.17	14.71	0.179	0	0	0	0	0	0	0	0
UT-13042417_2	6	0	0	3.84	2.16	0.19	15.47	0.36	0	0	0	0	0	0	0	0
BC-1392_2	6	0	0	3	2.99	0.1	8.34	0.498	0	0	0	0	0	0	0	0
UT-11042417_4	6	0	0	3.88	2.12	0.21	18.61	0.353	0	0	0	0	0	0	0	0
BC-3024_1	6	0	0	5.38	0.62	0.04	7.45	0.104	0	0	0	0	0	0	0	0
PO-1480_2	6	0	0	4.81	1.19	0.29	32.31	0.199	0	0	0	0	0	0	0	0
BC-2795	6	0	0	4.45	1.54	0.26	23.04	0.257	0	0	0	0	0	0	0	0
CC-J80_4	6	0	0	3.09	2.9	0.34	24.27	0.484	0	0	0	0	0	0	0	0
BC-1482	6	0	0	5.11	0.89	0.08	11.08	0.149	0	0	0	0	0	0	0	0
BC-1475_1	6	0	0	4.12	1.87	0.2	18.32	0.312	0	0	0	0	0	0	0	0
BC-1392_3	6	0	0	4.04	1.96	0.28	19.82	0.326	0	0	0	0	0	0	0	0
PO-1446_1	6	0	0	4.15	1.85	0.48	31.74	0.308	0	0	0	0	0	0	0	0
UT-84_1	6	0	0	4.48	1.52	0.11	9.13	0.254	0	0	0	0	0	0	0	0
BC-1463	6	0	0	4.41	1.58	0.38	26	0.263	0	0	0	0	0	0	0	0
UT-41042417_1	6	0	0	3.66	2.34	0.19	17.78	0.389	0	0	0	0	0	0	0	0
BC-1428_2	6	0	0	3.94	2.05	0.16	11.81	0.342	0	0	0	0	0	0	0	0
CC-J1426_2	6	0	0	4.01	1.99	0.13	10.71	0.331	0	0	0	0	0	0	0	0
CC-MASJ1365_2	6	0	0	3.86	2.14	0.16	13.03	0.356	0	0	0	0	0	0	0	0
BC-2706	6	0	0	5.26	0.74	0.09	13.97	0.123	0	0	0	0	0	0	0	0
BC-1432	6	0	0	4.28	1.72	0.18	15.33	0.286	0	0	0	0	0	0	0	0
BC-3024_2	6	0	0	5.39	0.62	0.06	9.8	0.103	0	0	0	0	0	0	0	0
UT-123	6	0	0	3.54	2.46	0.29	21.76	0.41	0	0	0	0	0	0	0	0
CC-J1422	6	0	0	5.02	0.98	0.03	4.98	0.163	0	0	0	0	0	0	0	0
PO-1480_3	6	0	0	4.94	1.06	0.12	13.08	0.176	0	0	0	0	0	0	0	0
BC-1478_1	6	0	0	5.44	0.56	0.06	10.37	0.094	0	0	0	0	0	0	0	0
BC-1469_1	6	0	0	5.24	0.76	0.12	14.37	0.126	0	0	0	0	0	0	0	0
BC-1478_2	6	0	0	5.54	0.46	0.09	13.35	0.076	0	0	0	0	0	0	0	0
CC-J1426_3	6	0	0	5.09	0.91	0.11	13.93	0.151	0	0	0	0	0	0	0	0
BC-1475_2	6	0	0	4.65	1.34	0.11	12.42	0.224	0	0	0	0	0	0	0	0
UT-131	6	0	0	3.48	2.52	0.63	36.22	0.419	0	0	0	0	0	0	0	0
BC-1465_1	6	0	0	4.9	1.09	0.21	21.36	0.182	0	0	0	0	0	0	0	0
BC-2732_1	6	0	0	4.54	1.45	0.11	13.28	0.242	0	0	0	0	0	0	0	0
BC-1504	6	0	0	4.98	1.02	0.08	8.9	0.169	0	0	0	0	0	0	0	0
BC-2732_2	6	0	0	4.61	1.39	0.13	15.71	0.232	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J124_1	6	0	0	3.45	2.55	0.93	59.26	0.425	0	0	0	0	0	0	0	0
CC-J80_5	6	0	0	3.56	2.44	0.27	15.19	0.407	0	0	0	0	0	0	0	0
PO-1480_4	6	0	0	4.93	1.06	0.15	13.64	0.177	0	0	0	0	0	0	0	0
UT-2740_1	6	0	0	3.78	2.22	0.34	14.75	0.369	0	0	0	0	0	0	0	0
PO-1510_1	6	0	0	5.33	0.67	0.22	17.48	0.112	0	0	0	0	0	0	0	0
UT-1484_1	6	0	0	3.57	2.44	0.31	23.15	0.406	0	0	0	0	0	0	0	0
BC-30	6	0	0	4.96	1.04	0.09	10.59	0.173	0	0	0	0	0	0	0	0
UT-1484_2	6	0	0	3.66	2.34	0.18	10.51	0.39	0	0	0	0	0	0	0	0
BC-1475_3	6	0	0	4.43	1.57	0.23	18.22	0.261	0	0	0	0	0	0	0	0
BC-1469_2	6	0	0	5.11	0.89	0.06	8.92	0.149	0	0	0	0	0	0	0	0
CC-J3025_1	6	0	0	5.17	0.83	0.18	24.32	0.139	0	0	0	0	0	0	0	0
UT-84_2	6	0	0	4.91	1.09	0.31	28.74	0.182	0	0	0	0	0	0	0	0
CC-J1452	6	0	0	5.17	0.83	0.11	15.18	0.138	0	0	0	0	0	0	0	0
UT-41042417_2	6	0	0	3.59	2.41	0.43	23.85	0.401	0	0	0	0	0	0	0	0
PO-1446_2	6	0	0	4.77	1.22	0.13	14.24	0.204	0	0	0	0	0	0	0	0
UT-12042417	6	0	0	3.91	2.09	0.37	31.66	0.349	0	0	0	0	0	0	0	0
BC-2732_3	6	0	0	5.38	0.62	0.05	8.41	0.104	0	0	0	0	0	0	0	0
BC-1469_3	6	0	0	5.04	0.96	0.08	11.25	0.16	0	0	0	0	0	0	0	0
PO-1500	6	0	0	3.7	2.29	0.37	32.36	0.382	0	0	0	0	0	0	0	0
PO-1454	6	0	0	5.05	0.95	0.24	29.49	0.158	0	0	0	0	0	0	0	0
UT-18042417	6	0	0	3.71	2.29	0.15	11.69	0.381	0	0	0	0	0	0	0	0
CC-J124_2	6	0	0	3.13	2.86	0.28	16.69	0.477	0	0	0	0	0	0	0	0
BC-31	6	0	0	4.74	1.26	0.37	28	0.209	0	0	0	0	0	0	0	0
UT-19042417_1	6	0	0	3.95	2.05	0.3	23.41	0.342	0	0	0	0	0	0	0	0
BC-1465_2	6	0	0	4.43	1.56	0.14	10.17	0.26	0	0	0	0	0	0	0	0
UT-2740_2	6	0	0	3.59	2.41	0.44	29.75	0.401	0	0	0	0	0	0	0	0
BC-2723_1	6	0	0	5.16	0.84	0.11	14.26	0.141	0	0	0	0	0	0	0	0
CC-J2907	6	0	0	3.7	2.3	0.33	19.22	0.384	0	0	0	0	0	0	0	0
UT-1484_3	6	0	0	3.59	2.41	0.2	14.36	0.402	0	0	0	0	0	0	0	0
UT-19042417_2	6	0	0	4.14	1.86	0.67	51.09	0.31	0	0	0	0	0	0	0	0
BC-2781	6	0	0	5.3	0.7	0.14	21.28	0.117	0	0	0	0	0	0	0	0
BC-2732_4	6	0	0	5.05	0.96	0.02	3.92	0.159	0	0	0	0	0	0	0	0
CC-J124_3	6	0	0	3.19	2.8	0.32	22.61	0.467	0	0	0	0	0	0	0	0
BC-2723_2	6	0	0	5.07	0.93	0.09	12.16	0.156	0	0	0	0	0	0	0	0
CC-J1544_1	6	0	0	3.53	2.47	0.35	21.01	0.412	0	0	0	0	0	0	0	0
CC-J1544_2	6	0	0	3.58	2.42	0.19	14.24	0.404	0	0	0	0	0	0	0	0
BC-2937	6	0	0	4.7	1.29	0.21	19.48	0.216	0	0	0	0	0	0	0	0
BC-3023	6	0	0	5.2	0.8	0.12	17.65	0.134	0	0	0	0	0	0	0	0
BC-1538_1	6	0	0	5.02	0.98	0.08	11.15	0.163	0	0	0	0	0	0	0	0
PO-3004_1	6	0	0	4.52	1.48	0.26	30.15	0.247	0	0	0	0	0	0	0	0
CC-J1536_1	6	0	0	5.19	0.81	0.08	10.53	0.135	0	0	0	0	0	0	0	0
PO-1553	6	0	0	5.14	0.86	0.17	17.49	0.143	0	0	0	0	0	0	0	0
CC-J1527	6	0	0	3.28	2.72	0.26	18.5	0.453	0	0	0	0	0	0	0	0
CC-J1584_1	6	0	0	2.88	3.11	0.32	20.87	0.519	0	0	0	0	0	0	0	0
BC-1525	6	0	0	5.28	0.72	0.13	14.78	0.119	0	0	0	0	0	0	0	0
CC-J2699_1	6	0	0	3.64	2.36	0.36	24.87	0.394	0	0	0	0	0	0	0	0
BC-1590_1	6	0	0	4.57	1.43	0.25	22.3	0.238	0	0	0	0	0	0	0	0
CC-J1536_2	6	0	0	5.22	0.78	0.06	8.19	0.13	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-2740_3	6	0	0	3.55	2.45	0.19	14.94	0.408	0	0	0	0	0	0	0	0
UT-20042417_1	6	0	0	4.81	1.19	0.34	25.85	0.198	0	0	0	0	0	0	0	0
UT-19042417_3	6	0	0	3.93	2.06	0.14	10.95	0.344	0	0	0	0	0	0	0	0
CC-J3025_2	6	0	0	5.54	0.46	0.06	3.46	0.076	0	0	0	0	0	0	0	0
BC-1538_2	6	0	0	5.23	0.78	0.19	22.91	0.129	0	0	0	0	0	0	0	0
CC-J1584_2	6	0	0	3.44	2.56	0.19	14.15	0.427	0	0	0	0	0	0	0	0
UT-20042417_2	6	0	0	4.32	1.68	0.15	16.28	0.281	0	0	0	0	0	0	0	0
BC-1560	6	0	0	4.34	1.66	0.19	17.64	0.277	0	0	0	0	0	0	0	0
PO-1510_2	6	0	0	4.94	1.06	0.26	18.88	0.177	0	0	0	0	0	0	0	0
CC-J2699_2	6	0	0	3.05	2.94	0.35	23.15	0.49	0	0	0	0	0	0	0	0
CC-J1584_3	6	0	0	2.89	3.1	0.39	20.53	0.517	0	0	0	0	0	0	0	0
CC-J1601	6	0	0	3.36	2.64	0.38	24.59	0.439	0	0	0	0	0	0	0	0
BC-1571_1	6	0	0	5.1	0.9	0.09	12.07	0.15	0	0	0	0	0	0	0	0
BC-1567_1	6	0	0	4.78	1.22	0.15	17.64	0.203	0	0	0	0	0	0	0	0
BC-1567_2	6	0	0	4.21	1.79	0.17	15.18	0.298	0	0	0	0	0	0	0	0
BC-1593_1	6	0	0	5.16	0.84	0.09	11.85	0.14	0	0	0	0	0	0	0	0
BC-2973_1	6	0	0	5.73	0.27	0.05	2.57	0.044	0	0	0	0	0	0	0	0
BC-1542	6	0	0	4.33	1.67	0.15	14	0.278	0	0	0	0	0	0	0	0
CC-J1588_1	6	0	0	4.4	1.6	0.29	16	0.267	0	0	0	0	0	0	0	0
BC-1571_2	6	0	0	4.25	1.74	0.15	15.49	0.291	0	0	0	0	0	0	0	0
BC-2973_2	6	0	0	5.16	0.84	0.08	11.75	0.141	0	0	0	0	0	0	0	0
CC-J2699_3	6	0	0	3.03	2.96	0.26	19.77	0.493	0	0	0	0	0	0	0	0
CC-J1619	6	0	0	3.58	2.42	0.18	12.89	0.404	0	0	0	0	0	0	0	0
BC-1615	6	0	0	5.11	0.89	0.01	2.8	0.148	0	0	0	0	0	0	0	0
CC-J1597_1	6	0	0	2.64	3.35	0.29	16.13	0.558	0	0	0	0	0	0	0	0
CC-J1647	6	0	0	3.96	2.04	0.65	50.6	0.34	0	0	0	0	0	0	0	0
PO-2900_1	6	0	0	5.14	0.85	0.16	14.56	0.142	0	0	0	0	0	0	0	0
PO-3004_2	6	0	0	4.01	1.98	0.14	12.53	0.33	0	0	0	0	0	0	0	0
UT-20042417_3	6	0	0	3.79	2.21	0.21	14.6	0.368	0	0	0	0	0	0	0	0
CC-J3025_3	6	0	0	5.2	0.8	0.16	19.42	0.134	0	0	0	0	0	0	0	0
PO-1613_1	6	0	0	4.46	1.53	0.22	19.71	0.256	0	0	0	0	0	0	0	0
BC-33	6	0	0	5.48	0.52	0.05	8.41	0.086	0	0	0	0	0	0	0	0
UT-21042417_1	6	0	0	3.66	2.34	0.26	16.33	0.389	0	0	0	0	0	0	0	0
CC-J74_1	6	0	0	4.9	1.1	0.21	16.05	0.183	0	0	0	0	0	0	0	0
BC-1590_2	6	0	0	2.9	3.09	0.24	16.63	0.515	0	0	0	0	0	0	0	0
CC-J1653_1	6	0	0	3.96	2.03	0.39	23.78	0.339	0	0	0	0	0	0	0	0
BC-11_1	6	0	0	5.89	0.11	0.01	0.35	0.018	0	0	0	0	0	0	0	0
BC-1609	6	0	0	5.27	0.73	0.13	15.99	0.122	0	0	0	0	0	0	0	0
PO-1633_1	6	0	0	4.92	1.08	0.05	6.16	0.18	0	0	0	0	0	0	0	0
BC-1629	6	0	0	3.34	2.66	0.31	27.99	0.443	0	0	0	0	0	0	0	0
CC-J1627_1	6	0	0	4.86	1.14	0.18	16.02	0.189	0	0	0	0	0	0	0	0
UT-28042417	6	0	0	5.14	0.85	0.16	12.82	0.142	0	0	0	0	0	0	0	0
UT-29042417	6	0	0	4.95	1.05	0.27	15.07	0.175	0	0	0	0	0	0	0	0
CC-J1597_2	6	0	0	4.2	1.8	0.45	34.47	0.299	0	0	0	0	0	0	0	0
CC-J76_1	6	0	0	4.03	1.97	0.29	19.88	0.328	0	0	0	0	0	0	0	0
UT-27042417_1	6	0	0	4.67	1.33	0.28	19.83	0.221	0	0	0	0	0	0	0	0
BC-11_2	6	0	0	4.91	1.09	0.43	32.23	0.182	0	0	0	0	0	0	0	0
BC-11_3	6	0	0	5.21	0.79	0.07	7.83	0.132	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-21042417_2	6	0	0	4.46	1.54	0.15	13.44	0.257	0	0	0	0	0	0	0	0
PO-36	6	0	0	5.18	0.82	0.11	12.6	0.136	0	0	0	0	0	0	0	0
UT-21042417_3	6	0	0	3.97	2.03	0.11	9.41	0.339	0	0	0	0	0	0	0	0
CC-J1588_2	6	0	0	4.42	1.58	0.17	12.83	0.263	0	0	0	0	0	0	0	0
PO-1613_2	6	0	0	5.07	0.93	0.07	7.48	0.155	0	0	0	0	0	0	0	0
CC-J1623	6	0	0	4.26	1.74	0.27	19.66	0.29	0	0	0	0	0	0	0	0
BC-1593_2	6	0	0	5.27	0.73	0.07	11.84	0.121	0	0	0	0	0	0	0	0
BC-32	6	0	0	3.38	2.62	0.18	14.16	0.436	0	0	0	0	0	0	0	0
PO-1633_2	6	0	0	4.71	1.29	0.22	13.08	0.214	0	0	0	0	0	0	0	0
UT-23042417_1	6	0	0	4.91	1.09	0.12	12.82	0.182	0	0	0	0	0	0	0	0
UT-27042417_2	6	0	0	4.84	1.16	0.13	10.08	0.194	0	0	0	0	0	0	0	0
CC-J1660	6	0	0	4.5	1.5	0.14	16.8	0.25	0	0	0	0	0	0	0	0
CC-J1653_2	6	0	0	3.95	2.05	0.26	18.04	0.341	0	0	0	0	0	0	0	0
BC-1625	6	0	0	5.34	0.66	0.08	8.48	0.109	0	0	0	0	0	0	0	0
CC-J74_2	6	0	0	4.94	1.06	0.09	8.77	0.177	0	0	0	0	0	0	0	0
UT-25042417	6	0	0	4.95	1.05	0.1	8.75	0.176	0	0	0	0	0	0	0	0
BC-1662_1	6	0	0	5.97	0.03	0.01	0.38	0.005	0	0	0	0	0	0	0	0
UT-26042417	6	0	0	4.62	1.38	0.11	10.05	0.229	0	0	0	0	0	0	0	0
BC-1635	6	0	0	3.94	2.05	0.28	24.07	0.342	0	0	0	0	0	0	0	0
CC-J9	6	0	0	4.95	1.05	0.17	13.46	0.175	0	0	0	0	0	0	0	0
UT-22042417	6	0	0	4.61	1.39	0.1	11.82	0.232	0	0	0	0	0	0	0	0
UT-24042417	6	0	0	4.59	1.41	0.23	20.74	0.234	0	0	0	0	0	0	0	0
BC-1683	6	0	0	4.4	1.6	0.46	39.64	0.266	0	0	0	0	0	0	0	0
CC-J76_2	6	0	0	4.22	1.77	0.18	12.81	0.295	0	0	0	0	0	0	0	0
PO-1637	6	0	0	4.91	1.08	0.17	9.32	0.18	0	0	0	0	0	0	0	0
PO-1673	6	0	0	5.17	0.83	0.14	18.74	0.139	0	0	0	0	0	0	0	0
UT-21042417_4	6	0	0	3.72	2.28	0.24	15.46	0.379	0	0	0	0	0	0	0	0
BC-2968	6	0	0	4.44	1.56	0.22	20.51	0.26	0	0	0	0	0	0	0	0
CC-J1627_2	6	0	0	4.18	1.82	0.22	16.08	0.303	0	0	0	0	0	0	0	0
BC-1645_1	6	0	0	4.32	1.68	0.23	18.97	0.28	0	0	0	0	0	0	0	0
PO-2726	6	0	0	5.15	0.85	0.06	8.43	0.141	0	0	0	0	0	0	0	0
BC-1643	6	0	0	4.95	1.05	0.08	7.81	0.175	0	0	0	0	0	0	0	0
CC-J2869	6	0	0	4.96	1.04	0.05	4.11	0.173	0	0	0	0	0	0	0	0
CC-J1649	6	0	0	4.57	1.42	0.18	12.11	0.237	0	0	0	0	0	0	0	0
CC-J2864_1	6	0	0	5.96	0.04	0.02	1.09	0.007	0	0	0	0	0	0	0	0
BC-2924	6	0	0	5.22	0.78	0.06	9.4	0.13	0	0	0	0	0	0	0	0
CC-J1627_3	6	0	0	5.27	0.73	0.13	13.57	0.122	0	0	0	0	0	0	0	0
BC-1729_1	6	0	0	3.56	2.44	0.46	31.11	0.406	0	0	0	0	0	0	0	0
BC-2797	6	0	0	4.85	1.15	0.09	10.45	0.192	0	0	0	0	0	0	0	0
CC-J1669_1	6	0	0	5.77	0.23	0.04	1.71	0.038	0	0	0	0	0	0	0	0
UT-23042417_2	6	0	0	4.7	1.3	0.12	10.76	0.217	0	0	0	0	0	0	0	0
BC-87	6	0	0	2.93	3.07	0.38	29.36	0.511	0	0	0	0	0	0	0	0
BC-2750	6	0	0	4.37	1.63	0.19	22.39	0.272	0	0	0	0	0	0	0	0
CC-J76_3	6	0	0	5.05	0.95	0.07	8.79	0.159	0	0	0	0	0	0	0	0
CC-J76_4	6	0	0	4.9	1.1	0.1	11.72	0.183	0	0	0	0	0	0	0	0
BC-1662_2	6	0	0	4.72	1.28	0.17	20.98	0.213	0	0	0	0	0	0	0	0
PO-1677_1	6	0	0	5.77	0.23	0.03	1.34	0.038	0	0	0	0	0	0	0	0
CC-J1588_3	6	0	0	5.22	0.78	0.1	11.17	0.129	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
PO-1677_2	6	0	0	5.96	0.04	0	0.87	0.007	0	0	0	0	0	0	0	0
BC-1704	6	0	0	4.58	1.42	0.04	4.28	0.236	0	0	0	0	0	0	0	0
BC-1111	6	0	0	4.22	1.78	0.23	19.13	0.296	0	0	0	0	0	0	0	0
CC-J2898	6	0	0	4.81	1.18	0.13	13.29	0.197	0	0	0	0	0	0	0	0
PO-2900_2	6	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
BC-1645_2	6	0	0	4.71	1.29	0.15	12.34	0.215	0	0	0	0	0	0	0	0
BC-2885	6	0	0	3.11	2.88	0.35	24.7	0.481	0	0	0	0	0	0	0	0
BC-1691_1	6	0	0	4.03	1.96	0.14	10.19	0.327	0	0	0	0	0	0	0	0
BC-1679_1	6	0	0	4.98	1.02	0.25	21.42	0.17	0	0	0	0	0	0	0	0
BC-1707_1	6	0	0	3.56	2.43	0.22	15.63	0.405	0	0	0	0	0	0	0	0
CC-J1669_2	6	0	0	5.51	0.49	0.03	1.65	0.081	0	0	0	0	0	0	0	0
BC-1729_2	6	0	0	4.04	1.96	0.27	20.23	0.327	0	0	0	0	0	0	0	0
BC-1679_2	6	0	0	4.91	1.09	0.16	14.1	0.182	0	0	0	0	0	0	0	0
BC-1691_2	6	0	0	4.1	1.9	0.26	17.63	0.316	0	0	0	0	0	0	0	0
PO-1687	6	0	0	5.97	0.03	0	0.52	0.005	0	0	0	0	0	0	0	0
BC-1679_3	6	0	0	5.08	0.92	0.11	12.28	0.153	0	0	0	0	0	0	0	0
UT-30042417_1	6	0	0	4.63	1.37	0.17	17.59	0.229	0	0	0	0	0	0	0	0
UT-30042417_2	6	0	0	5.61	0.39	0.05	8.22	0.066	0	0	0	0	0	0	0	0
PO-2963_1	6	0	0	5.92	0.08	0.02	1.14	0.013	0	0	0	0	0	0	0	0
PO-1675	6	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
CC-J2994	6	0	0	5.99	0.01	0	0.06	0.001	0	0	0	0	0	0	0	0
CC-J2864_2	6	0	0	5.68	0.32	0.06	3.1	0.053	0	0	0	0	0	0	0	0
PO-2963_2	6	0	0	5.8	0.2	0.07	3.3	0.033	0	0	0	0	0	0	0	0
CC-J1693	6	0	0	5.99	0.01	0	0.04	0.001	0	0	0	0	0	0	0	0
PO-2960	6	0	0	6	0	0	0.02	0	0	0	0	0	0	0	0	0
BC-1770_1	6	0	0	4.69	1.31	0.41	27.15	0.219	0	0	0	0	0	0	0	0
BC-1681	6	0	0	4.29	1.71	0.14	11.14	0.285	0	0	0	0	0	0	0	0
BC-1721_1	6	0	0	3.59	2.4	0.46	38.47	0.401	0	0	0	0	0	0	0	0
BC-1707_2	6	0	0	3.64	2.35	0.49	32.16	0.392	0	0	0	0	0	0	0	0
BC-1713_1	6	0	0	2.63	3.36	0.32	20.17	0.559	0	0	0	0	0	0	0	0
CC-J1699	6	0	0	4.75	1.24	0.17	11.17	0.207	0	0	0	0	0	0	0	0
CC-J46_1	6	0	0	5.28	0.72	0.06	8.37	0.12	0	0	0	0	0	0	0	0
CC-J1719	6	0	0	4.49	1.5	0.36	17.24	0.25	0	0	0	0	0	0	0	0
CC-J112	6	0	0	3.49	2.5	0.12	9.66	0.416	0	0	0	0	0	0	0	0
CC-MASJ3041_1	6	0	0	5.59	0.41	0.05	2.85	0.068	0	0	0	0	0	0	0	0
CC-J46_2	6	0	0	5.15	0.85	0.06	7.12	0.142	0	0	0	0	0	0	0	0
CC-J3002_1	6	0	0	5.99	0.01	0	0.22	0.002	0	0	0	0	0	0	0	0
CC-J3002_2	6	0	0	5.99	0.01	0	0.03	0.001	0	0	0	0	0	0	0	0
CC-MASJ140_1	6	0	0	4.91	1.09	0.06	2.82	0.181	0	0	0	0	0	0	0	0
CC-M31042417_1	6	0	0	5.97	0.03	0	0.19	0.005	0	0	0	0	0	0	0	0
CC-J3001_1	6	0	0	5.29	0.7	0.16	19.18	0.117	0	0	0	0	0	0	0	0
BC-1713_2	6	0	0	3.81	2.19	0.42	27.41	0.364	0	0	0	0	0	0	0	0
CC-J46_3	6	0	0	5.99	0.01	0	0.03	0.001	0	0	0	0	0	0	0	0
CC-J3001_2	6	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
CC-M31042417_2	6	0	0	6	0	0	0.02	0	0	0	0	0	0	0	0	0
CC-J2864_3	6	0	0	3.58	2.41	0.38	30.83	0.402	0	0	0	0	0	0	0	0
CC-J2923_1	6	0	0	4.7	1.29	0.19	9.11	0.215	0	0	0	0	0	0	0	0
BC-1707_3	6	0	0	3.35	2.64	0.5	27.82	0.44	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1763_1	6	0	0	5.99	0.01	0	0.11	0.001	0	0	0	0	0	0	0	0
BC-1721_2	6	0	0	3.95	2.04	0.14	10.93	0.341	0	0	0	0	0	0	0	0
BC-1735	6	0	0	4.15	1.85	0.37	32.46	0.308	0	0	0	0	0	0	0	0
BC-1780	6	0	0	3.98	2.01	0.27	23.18	0.335	0	0	0	0	0	0	0	0
CC-J2949	6	0	0	5.94	0.06	0.01	0.3	0.009	0	0	0	0	0	0	0	0
CC-J2923_2	6	0	0	5.58	0.42	0.09	4.22	0.069	0	0	0	0	0	0	0	0
BC-1745	6	0	0	4.04	1.96	0.17	13.46	0.326	0	0	0	0	0	0	0	0
CC-J2832_1	6	0	0	4.48	1.51	0.19	9.16	0.251	0	0	0	0	0	0	0	0
CC-J1776_1	6	0	0	4.06	1.93	0.2	9.44	0.322	0	0	0	0	0	0	0	0
CC-J39_1	6	0	0	5.94	0.06	0.01	0.27	0.01	0	0	0	0	0	0	0	0
CC-J3002_3	6	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
CC-J2846_1	6	0	0	5.39	0.61	0.16	7.92	0.101	0	0	0	0	0	0	0	0
CC-MASJ140_2	6	0	0	5.99	0.01	0	0.05	0.002	0	0	0	0	0	0	0	0
CC-J2923_3	6	0	0	4.97	1.03	0.09	4.38	0.171	0	0	0	0	0	0	0	0
BC-1758_1	6	0	0	3.8	2.2	0.19	14.21	0.367	0	0	0	0	0	0	0	0
BC-1758_2	6	0	0	3.41	2.58	0.29	22.07	0.431	0	0	0	0	0	0	0	0
CC-J39_2	6	0	0	5.83	0.17	0.02	0.88	0.029	0	0	0	0	0	0	0	0
CC-J41	6	0	0	5.99	0.01	0	0.1	0.002	0	0	0	0	0	0	0	0
BC-1721_3	6	0	0	3.34	2.65	0.21	15.03	0.442	0	0	0	0	0	0	0	0
BC-1758_3	6	0	0	3.27	2.73	0.23	17.51	0.454	0	0	0	0	0	0	0	0
CC-M31042417_3	6	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
CC-J47_1	6	0	0	5.99	0.01	0	0.7	0.002	0	0	0	0	0	0	0	0
CC-J1819	6	0	0	4.34	1.66	0.55	44.86	0.277	0	0	0	0	0	0	0	0
UT-32042417	6	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
CC-J2864_4	6	0	0	3.05	2.94	0.68	44.86	0.491	0	0	0	0	0	0	0	0
CC-MASJ140_3	6	0	0	5.95	0.05	0.01	0.73	0.008	0	0	0	0	0	0	0	0
BC-2901	6	0	0	4.22	1.77	0.06	5.33	0.296	0	0	0	0	0	0	0	0
PO-2963_3	6	0	0	5.5	0.5	0.06	3.06	0.083	0	0	0	0	0	0	0	0
CC-J2846_2	6	0	0	5.22	0.78	0.21	10.09	0.129	0	0	0	0	0	0	0	0
CC-J46_4	6	0	0	5.72	0.28	0.03	1.47	0.046	0	0	0	0	0	0	0	0
CC-J2999	6	0	0	5.78	0.22	0.03	1.74	0.037	0	0	0	0	0	0	0	0
CC-MASJ3041_2	6	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
CC-J1776_2	6	0	0	5.93	0.07	0.01	0.46	0.012	0	0	0	0	0	0	0	0
CC-MASJ3041_3	6	0	0	5.47	0.53	0.09	10.48	0.089	0	0	0	0	0	0	0	0
CC-J2832_2	6	0	0	5.48	0.51	0.05	2.33	0.086	0	0	0	0	0	0	0	0
CC-J1763_2	6	0	0	5.97	0.03	0	0.12	0.006	0	0	0	0	0	0	0	0
BC-1824_1	6	0	0	3.86	2.13	0.34	22.61	0.356	0	0	0	0	0	0	0	0
CC-J2832_3	6	0	0	5.11	0.88	0.06	2.93	0.147	0	0	0	0	0	0	0	0
CC-J3001_3	6	0	0	5.63	0.37	0.08	3.73	0.062	0	0	0	0	0	0	0	0
CC-J2923_4	6	0	0	5.4	0.6	0.09	4.1	0.1	0	0	0	0	0	0	0	0
CC-J2923_5	6	0	0	5.73	0.27	0.05	2.58	0.045	0	0	0	0	0	0	0	0
CC-J3001_4	6	0	0	3.94	2.06	0.25	19.91	0.343	0	0	0	0	0	0	0	0
CC-J60_1	6	0	0	3.84	2.15	0.36	21.57	0.358	0	0	0	0	0	0	0	0
CC-J2978_1	6	0	0	5.96	0.04	0	0.17	0.007	0	0	0	0	0	0	0	0
CC-J2991	6	0	0	5.25	0.74	0.14	10.93	0.124	0	0	0	0	0	0	0	0
CC-J2971_1	6	0	0	5.99	0.01	0	0.03	0.001	0	0	0	0	0	0	0	0
CC-MASJ2948	6	0	0	3.75	2.25	0.66	51.58	0.375	0	0	0	0	0	0	0	0
CC-J45	6	0	0	3	2.99	0.28	18.32	0.498	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
BC-1793_1	6	0	0	3.56	2.43	0.34	24.15	0.405	0	0	0	0	0	0	0	0
CC-J2971_2	6	0	0	5.79	0.21	0.01	0.7	0.035	0	0	0	0	0	0	0	0
BC-1797_1	6	0	0	4.31	1.69	0.22	14.87	0.281	0	0	0	0	0	0	0	0
CC-J47_2	6	0	0	5.14	0.86	0.07	9.32	0.144	0	0	0	0	0	0	0	0
CC-J68	6	0	0	3.88	2.11	0.56	39.62	0.352	0	0	0	0	0	0	0	0
BC-1770_2	6	0	0	3.93	2.07	0.28	19.56	0.345	0	0	0	0	0	0	0	0
BC-1795	6	0	0	4.23	1.77	0.24	18.12	0.294	0	0	0	0	0	0	0	0
CC-J2832_4	6	0	0	5.98	0.02	0	0.08	0.003	0	0	0	0	0	0	0	0
CC-J1776_3	6	0	0	4.8	1.19	0.29	27.25	0.199	0	0	0	0	0	0	0	0
CC-J1842_1	6	0	0	5.26	0.74	0.25	22.93	0.123	0	0	0	0	0	0	0	0
CC-J2832_5	6	0	0	5.55	0.45	0.04	1.72	0.074	0	0	0	0	0	0	0	0
CC-MASJ1803	6	0	0	3.08	2.92	0.4	22.11	0.486	0	0	0	0	0	0	0	0
BC-1793_2	6	0	0	3.6	2.4	0.29	22.44	0.4	0	0	0	0	0	0	0	0
CC-J2971_3	6	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
CC-M33042417	6	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
BC-1797_2	6	0	0	4.05	1.95	0.26	19.25	0.324	0	0	0	0	0	0	0	0
BC-1817_1	6	0	0	3.06	2.94	0.31	24.17	0.49	0	0	0	0	0	0	0	0
CC-MASJ108	6	0	0	3.37	2.63	0.24	15.69	0.438	0	0	0	0	0	0	0	0
CC-J1815	6	0	0	3.75	2.25	0.37	33.84	0.374	0	0	0	0	0	0	0	0
CC-MASJ110	6	0	0	2.91	3.08	0.42	25.76	0.514	0	0	0	0	0	0	0	0
CC-J2978_2	6	0	0	5.98	0.02	0	0.1	0.003	0	0	0	0	0	0	0	0
CC-J2971_4	6	0	0	5.53	0.47	0.06	3.92	0.078	0	0	0	0	0	0	0	0
BC-1817_2	6	0	0	2.93	3.06	0.35	24.81	0.511	0	0	0	0	0	0	0	0
CC-J1846_1	6	0	0	3.26	2.74	0.49	31.4	0.456	0	0	0	0	0	0	0	0
CC-J1846_2	6	0	0	3.17	2.83	0.83	55.1	0.471	0	0	0	0	0	0	0	0
CC-J2971_5	6	0	0	3.77	2.23	1.06	83.28	0.372	0	0	0	0	0	0	0	0
CC-J2846_3	6	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
CC-J2832_6	6	0	0	3.4	2.59	0.31	26	0.432	0	0	0	0	0	0	0	0
CC-J2832_7	6	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0
BC-3524	6	0	0	4.04	1.96	0.18	16.53	0.326	0	0	0	0	0	0	0	0
CC-MASJ1801	6	0	0	2.91	3.09	0.25	18.9	0.514	0	0	0	0	0	0	0	0
CC-J2923_6	6	0	0	5.99	0.01	0	0.33	0.001	0	0	0	0	0	0	0	0
CC-J2832_8	6	0	0	4.17	1.82	0.2	21.81	0.304	0	0	0	0	0	0	0	0
CC-J2846_4	6	0	0	5.03	0.97	0.06	7.34	0.161	0	0	0	0	0	0	0	0
CC-J1844_1	6	0	0	3.35	2.65	0.26	24.24	0.441	0	0	0	0	0	0	0	0
CC-J2846_5	6	0	0	4.62	1.37	0.17	11.13	0.229	0	0	0	0	0	0	0	0
CC-J1831_1	6	0	0	3.68	2.32	0.17	16.9	0.387	0	0	0	0	0	0	0	0
BC-1817_3	6	0	0	3.06	2.93	0.22	16.08	0.488	0	0	0	0	0	0	0	0
CC-J1848_1	6	0	0	3.31	2.68	0.21	13.49	0.447	0	0	0	0	0	0	0	0
CC-J1848_2	6	0	0	3.16	2.84	0.4	25.91	0.473	0	0	0	0	0	0	0	0
CC-J2832_9	6	0	0	5.76	0.24	0.03	1.96	0.04	0	0	0	0	0	0	0	0
BC-1824_2	6	0	0	3.29	2.71	0.23	17.79	0.452	0	0	0	0	0	0	0	0
BC-1824_3	6	0	0	3.32	2.68	0.19	14.41	0.446	0	0	0	0	0	0	0	0
CC-J2835	6	0	0	3.71	2.29	0.17	12.86	0.382	0	0	0	0	0	0	0	0
CC-J60_2	6	0	0	2.86	3.13	0.41	20.78	0.522	0	0	0	0	0	0	0	0
CC-J1838	6	0	0	3.07	2.93	0.24	17.43	0.488	0	0	0	0	0	0	0	0
CC-J2923_7	6	0	0	5.69	0.31	0.07	12.7	0.052	0	0	0	0	0	0	0	0
BC-3557	6	0	0	4.09	1.91	0.25	19.14	0.319	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1829_1	6	0	0	3.22	2.77	0.2	13.02	0.462	0	0	0	0	0	0	0	0
CC-J2832_10	6	0	0	3	3	0.22	17.92	0.499	0	0	0	0	0	0	0	0
CC-J1829_2	6	0	0	3.47	2.53	0.28	16.81	0.421	0	0	0	0	0	0	0	0
BC-3561	6	0	0	4.34	1.66	0.16	5.89	0.276	0	0	0	0	0	0	0	0
BC-3564	6	0	0	4.18	1.81	0.16	13.6	0.302	0	0	0	0	0	0	0	0
CC-MASJ114	6	0	0	2.65	3.33	0.53	33.1	0.556	0	0	0	0	0	0	0	0
CC-J1842_2	6	0	0	4.22	1.77	0.14	10.29	0.296	0	0	0	0	0	0	0	0
CC-J1891_1	6	0	0	4.03	1.97	0.23	19.14	0.328	0	0	0	0	0	0	0	0
CC-J1831_2	6	0	0	4.59	1.41	0.27	15.62	0.234	0	0	0	0	0	0	0	0
CC-J1894	6	0	0	4.18	1.81	0.25	16.92	0.302	0	0	0	0	0	0	0	0
CC-J1850	6	0	0	3.32	2.68	0.22	19.35	0.447	0	0	0	0	0	0	0	0
CC-J1846_3	6	0	0	3.23	2.77	0.47	33.02	0.462	0	0	0	0	0	0	0	0
CC-J1842_3	6	0	0	4.58	1.42	0.25	22.31	0.237	0	0	0	0	0	0	0	0
CC-J1885_1	6	0	0	3.16	2.84	0.3	23.15	0.473	0	0	0	0	0	0	0	0
CC-J1852	6	0	0	3.26	2.74	0.15	11.99	0.457	0	0	0	0	0	0	0	0
CC-J1844_2	6	0	0	3.19	2.81	0.44	29.36	0.468	0	0	0	0	0	0	0	0
CC-J1881_1	6	0	0	3.18	2.81	0.42	27.79	0.469	0	0	0	0	0	0	0	0
CC-J1829_3	6	0	0	2.96	3.03	0.54	32.55	0.505	0	0	0	0	0	0	0	0
CC-J1871	6	0	0	3.3	2.7	0.33	25.19	0.45	0	0	0	0	0	0	0	0
CC-J1866_1	6	0	0	3.2	2.8	0.11	8.92	0.467	0	0	0	0	0	0	0	0
CC-J1881_2	6	0	0	3.48	2.52	0.45	34.91	0.42	0	0	0	0	0	0	0	0
CC-J1866_2	6	0	0	2.85	3.14	0.6	38.53	0.523	0	0	0	0	0	0	0	0
CC-J1866_3	6	0	0	2.69	3.3	0.54	37.53	0.55	0	0	0	0	0	0	0	0
CC-J1883	6	0	0	3.01	2.98	0.24	17.06	0.497	0	0	0	0	0	0	0	0
CC-J1855	6	0	0	3.24	2.75	0.22	15.18	0.459	0	0	0	0	0	0	0	0
CC-J1858	6	0	0	2.97	3.03	0.51	34.02	0.504	0	0	0	0	0	0	0	0
BC-3605	6	0	0	3.53	2.47	0.22	20.22	0.411	0	0	0	0	0	0	0	0
BC-3606	6	0	0	3.82	2.18	0.19	14.11	0.364	0	0	0	0	0	0	0	0
CC-J1889	6	0	0	3.82	2.17	0.22	13.92	0.361	0	0	0	0	0	0	0	0
CC-J2851_1	6	0	0	3.42	2.58	0.68	48	0.43	0	0	0	0	0	0	0	0
CC-J1860	6	0	0	3.31	2.69	0.36	24.44	0.448	0	0	0	0	0	0	0	0
CC-J1873_1	6	0	0	2.33	3.66	0.34	25.24	0.61	0	0	0	0	0	0	0	0
CC-J1900_1	6	0	0	3.26	2.74	0.2	13.55	0.457	0	0	0	0	0	0	0	0
CC-J1879_1	6	0	0	3.13	2.87	0.17	11.67	0.478	0	0	0	0	0	0	0	0
CC-J1907	6	0	0	4.16	1.83	0.27	23.8	0.306	0	0	0	0	0	0	0	0
CC-J1896	6	0	0	3.1	2.9	0.61	50.31	0.483	0	0	0	0	0	0	0	0
BC-3627	6	0	0	3.31	2.68	0.61	40.56	0.447	0	0	0	0	0	0	0	0
CC-J1873_2	6	0	0	3.15	2.85	0.41	32.01	0.474	0	0	0	0	0	0	0	0
CC-J1885_2	6	0	0	3.22	2.77	0.39	28.54	0.462	0	0	0	0	0	0	0	0
CC-J1885_3	6	0	0	3.14	2.85	0.22	15.81	0.475	0	0	0	0	0	0	0	0
CC-J1909_1	6	0	0	4.6	1.39	0.3	23.73	0.232	0	0	0	0	0	0	0	0
CC-J1905_1	6	0	0	3.25	2.75	0.72	50.69	0.458	0	0	0	0	0	0	0	0
CC-J1879_2	6	0	0	4.13	1.87	0.34	33.99	0.312	0	0	0	0	0	0	0	0
CC-J2851_2	6	0	0	3.58	2.42	0.19	12.91	0.404	0	0	0	0	0	0	0	0
BC-3638	6	0	0	3.86	2.14	0.44	27.59	0.356	0	0	0	0	0	0	0	0
CC-J1887	6	0	0	3.27	2.73	0.24	20.14	0.455	0	0	0	0	0	0	0	0
CC-J1891_2	6	0	0	3.93	2.06	0.14	13.02	0.344	0	0	0	0	0	0	0	0
CC-J1891_3	6	0	0	4.44	1.56	0.29	25.21	0.26	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2959	6	0	0	3.5	2.5	0.27	24.22	0.417	0	0	0	0	0	0	0	0
CC-J2860	6	0	0	3.19	2.81	0.42	33.39	0.468	0	0	0	0	0	0	0	0
CC-J2851_3	6	0	0	3.34	2.66	0.27	24.61	0.444	0	0	0	0	0	0	0	0
CC-J1947_1	6	0	0	4.63	1.37	0.12	12.42	0.229	0	0	0	0	0	0	0	0
CC-J2774	6	0	0	3.3	2.69	0.51	41.03	0.449	0	0	0	0	0	0	0	0
CC-J1900_2	6	0	0	3.36	2.64	0.4	33.87	0.44	0	0	0	0	0	0	0	0
CC-J1905_2	6	0	0	3.28	2.72	0.55	47.7	0.454	0	0	0	0	0	0	0	0
CC-J1905_3	6	0	0	3.16	2.84	0.21	18.82	0.474	0	0	0	0	0	0	0	0
CC-J1928_1	6	0	0	3.83	2.16	0.16	11.57	0.36	0	0	0	0	0	0	0	0
CC-J1926	6	0	0	3.18	2.82	0.23	21.11	0.47	0	0	0	0	0	0	0	0
BC-3668	6	0	0	3.31	2.69	0.59	44.22	0.449	0	0	0	0	0	0	0	0
CC-J3019	6	0	0	2.6	3.38	0.38	23.02	0.564	0	0	0	0	0	0	0	0
CC-J1928_2	6	0	0	4.61	1.39	0.19	16.49	0.232	0	0	0	0	0	0	0	0
CC-J1939	6	0	0	3.23	2.77	0.6	50.65	0.462	0	0	0	0	0	0	0	0
CC-J1909_2	6	0	0	4.83	1.17	0.11	11.39	0.195	0	0	0	0	0	0	0	0
CC-J1962_1	6	0	0	3.01	2.98	0.23	18.36	0.497	0	0	0	0	0	0	0	0
CC-J2829	6	0	0	3.58	2.42	0.5	31.47	0.403	0	0	0	0	0	0	0	0
CC-J3018	6	0	0	2.72	3.26	0.33	18.51	0.544	0	0	0	0	0	0	0	0
CC-J1917	6	0	0	4.34	1.66	0.34	29.79	0.276	0	0	0	0	0	0	0	0
CC-J2696	6	0	0	3.35	2.65	0.4	37.31	0.441	0	0	0	0	0	0	0	0
CC-J1971	6	0	0	2.99	3	0.7	53.81	0.5	0	0	0	0	0	0	0	0
CC-J1911	6	0	0	3.44	2.55	0.45	33.41	0.426	0	0	0	0	0	0	0	0
CC-J17_1	6	0	0	3.5	2.49	0.38	23.86	0.415	0	0	0	0	0	0	0	0
CC-J1922_1	6	0	0	3.59	2.41	0.21	13.44	0.402	0	0	0	0	0	0	0	0
CC-GR7_1	6	0	0	3.21	2.78	0.49	38.35	0.464	0	0	0	0	0	0	0	0
CC-J1920	6	0	0	3.13	2.87	0.32	21.55	0.478	0	0	0	0	0	0	0	0
CC-J1922_2	6	0	0	3.41	2.59	0.5	35.48	0.431	0	0	0	0	0	0	0	0
CC-J1922_3	6	0	0	3.53	2.47	0.44	32.53	0.411	0	0	0	0	0	0	0	0
CC-J1949_1	6	0	0	4.34	1.66	0.19	20.87	0.276	0	0	0	0	0	0	0	0
CC-J1962_2	6	0	0	3.18	2.81	0.4	26.43	0.469	0	0	0	0	0	0	0	0
CC-J1909_3	6	0	0	4.05	1.94	0.31	22.58	0.324	0	0	0	0	0	0	0	0
CC-J1941	6	0	0	4.54	1.46	0.15	14.39	0.243	0	0	0	0	0	0	0	0
CC-J17_2	6	0	0	3.95	2.05	0.18	13.23	0.341	0	0	0	0	0	0	0	0
CC-GR7_2	6	0	0	3.12	2.86	0.31	19.69	0.477	0	0	0	0	0	0	0	0
CC-J1985_1	6	0	0	4.24	1.76	0.12	11.47	0.293	0	0	0	0	0	0	0	0
CC-J2779	6	0	0	2.88	3.11	0.22	17.95	0.519	0	0	0	0	0	0	0	0
CC-J1932_1	6	0	0	3.03	2.96	0.55	34.36	0.494	0	0	0	0	0	0	0	0
CC-J1935	6	0	0	4.1	1.89	0.25	21.24	0.315	0	0	0	0	0	0	0	0
BC-3722	6	0	0	3.32	2.68	0.43	22.33	0.446	0	0	0	0	0	0	0	0
CC-J1964	6	0	0	3.37	2.63	0.21	18.39	0.439	0	0	0	0	0	0	0	0
CC-gr21_1	6	0	0	3.24	2.75	0.54	40.73	0.459	0	0	0	0	0	0	0	0
CC-J1947_2	6	0	0	3.88	2.11	0.37	31.28	0.352	0	0	0	0	0	0	0	0
CC-J1947_3	6	0	0	4.02	1.97	0.19	17.62	0.329	0	0	0	0	0	0	0	0
BC-3734	6	0	0	3.21	2.79	0.17	11.47	0.465	0	0	0	0	0	0	0	0
CC-J1945	6	0	0	3.25	2.74	0.28	14.71	0.457	0	0	0	0	0	0	0	0
CC-J1932_2	6	0	0	2.61	3.38	0.67	45.63	0.564	0	0	0	0	0	0	0	0
CC-J1991_1	6	0	0	4.83	1.17	0.11	13.78	0.194	0	0	0	0	0	0	0	0
CC-J1966_1	6	0	0	3.9	2.1	0.15	13.3	0.351	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1966_2	6	0	0	3.94	2.06	0.21	17.56	0.344	0	0	0	0	0	0	0	0
CC-J1989	6	0	0	3.23	2.76	0.28	22.23	0.46	0	0	0	0	0	0	0	0
CC-J1949_2	6	0	0	3.24	2.75	0.39	28.06	0.458	0	0	0	0	0	0	0	0
CC-gr21_2	6	0	0	3.28	2.72	0.4	28.57	0.453	0	0	0	0	0	0	0	0
CC-J1956	6	0	0	3.02	2.97	0.4	28.06	0.495	0	0	0	0	0	0	0	0
CC-J1985_2	6	0	0	4.61	1.39	0.14	10.47	0.232	0	0	0	0	0	0	0	0
CC-J24	6	0	0	4.21	1.78	0.31	23.46	0.297	0	0	0	0	0	0	0	0
CC-gr16	6	0	0	3.1	2.89	0.42	35.13	0.482	0	0	0	0	0	0	0	0
BC-3765	6	0	0	3.4	2.6	0.37	25.52	0.433	0	0	0	0	0	0	0	0
CC-J1991_2	6	0	0	3.6	2.4	0.53	38.33	0.399	0	0	0	0	0	0	0	0
CC-J2001_1	6	0	0	3.57	2.43	0.29	21.2	0.405	0	0	0	0	0	0	0	0
CC-J2694	6	0	0	2.98	3.01	0.24	19.7	0.502	0	0	0	0	0	0	0	0
CC-J1987	6	0	0	4.02	1.98	0.21	17.75	0.329	0	0	0	0	0	0	0	0
CC-J1997_1	6	0	0	3.28	2.72	0.23	20.07	0.454	0	0	0	0	0	0	0	0
CC-J20_1	6	0	0	4.24	1.76	0.12	9.2	0.293	0	0	0	0	0	0	0	0
CC-J2011_1	6	0	0	4.54	1.46	0.19	15.28	0.243	0	0	0	0	0	0	0	0
CC-J1997_2	6	0	0	3.21	2.79	0.58	43.83	0.464	0	0	0	0	0	0	0	0
CC-J20_2	6	0	0	3.77	2.23	0.26	17.22	0.371	0	0	0	0	0	0	0	0
CC-J2003	6	0	0	3.06	2.94	0.36	27.09	0.49	0	0	0	0	0	0	0	0
CC-J2005	6	0	0	4.43	1.57	0.23	21.16	0.261	0	0	0	0	0	0	0	0
CC-J2016	6	0	0	3.81	2.18	0.17	12.57	0.363	0	0	0	0	0	0	0	0
CC-J2022	6	0	0	2.8	3.19	0.54	34.65	0.531	0	0	0	0	0	0	0	0
CC-J2011_2	6	0	0	3.66	2.34	0.32	23.66	0.389	0	0	0	0	0	0	0	0
BC-3801	6	0	0	3.46	2.54	0.38	27.97	0.423	0	0	0	0	0	0	0	0
CC-J2776	6	0	0	3.99	2.01	0.44	43.47	0.335	0	0	0	0	0	0	0	0
CC-J2001_2	6	0	0	3.2	2.79	0.42	29.38	0.466	0	0	0	0	0	0	0	0
CC-J27_1	6	0	0	4.07	1.93	0.2	15.16	0.321	0	0	0	0	0	0	0	0
CC-J2030	6	0	0	3.75	2.25	0.4	37.54	0.376	0	0	0	0	0	0	0	0
CC-J2043_1	6	0	0	2.82	3.17	0.25	16.92	0.528	0	0	0	0	0	0	0	0
CC-J2032_1	6	0	0	4.15	1.84	0.25	24.12	0.307	0	0	0	0	0	0	0	0
CC-J27_2	6	0	0	3.55	2.44	0.2	14.19	0.407	0	0	0	0	0	0	0	0
CC-J2018_1	6	0	0	2.55	3.44	0.34	23.45	0.573	0	0	0	0	0	0	0	0
CC-J2024_1	6	0	0	4.07	1.93	0.34	23.83	0.321	0	0	0	0	0	0	0	0
CC-J2020_1	6	0	0	2.83	3.16	0.39	23.12	0.527	0	0	0	0	0	0	0	0
CC-J2823_1	6	0	0	3.82	2.17	0.16	15.81	0.362	0	0	0	0	0	0	0	0
CC-J2737_1	6	0	0	3.98	2.02	0.31	33.69	0.336	0	0	0	0	0	0	0	0
CC-J2737_2	6	0	0	2.84	3.14	0.29	20.87	0.524	0	0	0	0	0	0	0	0
CC-J2043_2	6	0	0	3.01	2.98	0.37	26.14	0.497	0	0	0	0	0	0	0	0
CC-gr14	6	0	0	3.11	2.89	0.31	23.81	0.481	0	0	0	0	0	0	0	0
CC-J2034_1	6	0	0	4.08	1.92	0.18	19.51	0.32	0	0	0	0	0	0	0	0
CC-J2045_1	6	0	0	3.41	2.58	0.3	29.06	0.431	0	0	0	0	0	0	0	0
CC-J2020_2	6	0	0	3.35	2.65	0.97	64.9	0.442	0	0	0	0	0	0	0	0
CC-J2020_3	6	0	0	2.69	3.3	0.32	22.47	0.55	0	0	0	0	0	0	0	0
CC-J14	6	0	0	4.02	1.97	0.28	22.57	0.329	0	0	0	0	0	0	0	0
CC-J2032_2	6	0	0	4.26	1.74	0.14	12.88	0.29	0	0	0	0	0	0	0	0
CC-J2753	6	0	0	3.04	2.96	0.47	37.76	0.493	0	0	0	0	0	0	0	0
UT1-2944_1	6	0	0	3.62	2.38	0.38	29.11	0.396	0	0	0	0	0	0	0	0
BC-3839	6	0	0	3.21	2.79	0.26	19.45	0.465	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2823_2	6	0	0	3.48	2.51	0.42	25.97	0.418	0	0	0	0	0	0	0	0
CC-J2058	6	0	0	3.34	2.66	0.62	37.25	0.443	0	0	0	0	0	0	0	0
CC-J2705	6	0	0	2.68	3.31	0.29	20.58	0.552	0	0	0	0	0	0	0	0
CC-J2050_1	6	0	0	2.91	3.08	0.28	19.31	0.514	0	0	0	0	0	0	0	0
CC-J2018_2	6	0	0	3.04	2.95	0.57	41.43	0.492	0	0	0	0	0	0	0	0
CC-J2024_2	6	0	0	4.05	1.95	0.24	17.48	0.324	0	0	0	0	0	0	0	0
CC-J2034_2	6	0	0	3.64	2.36	0.25	17.83	0.393	0	0	0	0	0	0	0	0
CC-J2024_3	6	0	0	4.52	1.48	0.12	10.64	0.246	0	0	0	0	0	0	0	0
UT1-2944_2	6	0	0	3.5	2.5	0.33	31.3	0.417	0	0	0	0	0	0	0	0
CC-J2050_2	6	0	0	2.78	3.22	0.3	21.48	0.536	0	0	0	0	0	0	0	0
CC-J2045_2	6	0	0	3.23	2.77	0.32	27.56	0.462	0	0	0	0	0	0	0	0
CC-J2050_3	6	0	0	3.13	2.86	0.45	32.72	0.477	0	0	0	0	0	0	0	0
UT9-1_1	6	0	0	4.16	1.83	0.15	13.47	0.306	0	0	0	0	0	0	0	0
CC-J2071	6	0	0	2.75	3.24	0.35	23.43	0.541	0	0	0	0	0	0	0	0
UT9-1_2	6	0	0	4.45	1.55	0.24	27.76	0.258	0	0	0	0	0	0	0	0
UT9-104_1	6	0	0	4.31	1.69	0.39	25.11	0.281	0	0	0	0	0	0	0	0
CC-J2803	6	0	0	3.39	2.61	0.31	29.2	0.435	0	0	0	0	0	0	0	0
UT9-106_1	6	0	0	3.6	2.39	0.45	27.96	0.399	0	0	0	0	0	0	0	0
UT9-106_2	6	0	0	3.78	2.21	0.65	44.31	0.369	0	0	0	0	0	0	0	0
UT9-106_3	6	0	0	4.21	1.79	0.12	9.62	0.298	0	0	0	0	0	0	0	0
CC-J2087	6	0	0	3.64	2.35	0.58	48.84	0.392	0	0	0	0	0	0	0	0
CC-J2024_4	6	0	0	2.76	3.22	0.23	17.59	0.536	0	0	0	0	0	0	0	0
CC-J2060	6	0	0	4.36	1.64	0.46	34.08	0.273	0	0	0	0	0	0	0	0
UT1-2802	6	0	0	1.98	4	0.3	19.11	0.667	0	0	0	0	0	0	0	0
UT9-1_3	6	0	0	4.3	1.7	0.22	17.64	0.283	0	0	0	0	0	0	0	0
CC-J2692	6	0	0	2.68	3.31	0.6	46.14	0.552	0	0	0	0	0	0	0	0
CC-J2096	6	0	0	3.17	2.82	0.26	16.74	0.469	0	0	0	0	0	0	0	0
CC-J2112_1	6	0	0	3.41	2.59	0.63	49.55	0.431	0	0	0	0	0	0	0	0
UT1-2098_1	6	0	0	3.29	2.71	0.41	31.96	0.451	0	0	0	0	0	0	0	0
UT2-2107_1	6	0	0	3.4	2.6	0.28	20.07	0.434	0	0	0	0	0	0	0	0
BC-3906	6	0	0	3.32	2.68	0.39	19.68	0.446	0	0	0	0	0	0	0	0
CC-J3020	6	0	0	3.04	2.96	0.57	36.25	0.493	0	0	0	0	0	0	0	0
UT9-109_1	6	0	0	4.65	1.35	0.42	38.14	0.224	0	0	0	0	0	0	0	0
CC-J1	6	0	0	3.45	2.54	0.28	19.03	0.423	0	0	0	0	0	0	0	0
CC-J2076_1	6	0	0	3.24	2.76	0.49	28.95	0.459	0	0	0	0	0	0	0	0
CC-J2997	6	0	0	3.3	2.7	0.31	22.88	0.45	0	0	0	0	0	0	0	0
UT2-2107_2	6	0	0	3.31	2.68	0.25	15.23	0.447	0	0	0	0	0	0	0	0
UT9-9	6	0	0	4.9	1.1	0.15	19.76	0.183	0	0	0	0	0	0	0	0
UT9-6_1	6	0	0	4.85	1.15	0.08	11.28	0.191	0	0	0	0	0	0	0	0
CC-J2995_1	6	0	0	3.42	2.58	0.49	37.98	0.43	0	0	0	0	0	0	0	0
UT9-104_2	6	0	0	4.54	1.45	0.1	8.53	0.242	0	0	0	0	0	0	0	0
UT9-104_3	6	0	0	4.62	1.38	0.15	12.36	0.23	0	0	0	0	0	0	0	0
UT9-5_1	6	0	0	3.76	2.23	0.29	21.21	0.371	0	0	0	0	0	0	0	0
CC-J2076_2	6	0	0	3.15	2.85	0.22	18.37	0.475	0	0	0	0	0	0	0	0
CC-J2101_1	6	0	0	3.62	2.38	0.53	24.64	0.397	0	0	0	0	0	0	0	0
UT9-90_1	6	0	0	3.94	2.05	0.4	27.95	0.342	0	0	0	0	0	0	0	0
UT1-2089_1	6	0	0	3.56	2.44	0.19	15.37	0.407	0	0	0	0	0	0	0	0
UT9-106_4	6	0	0	4.47	1.53	0.14	13.55	0.256	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT9-3	6	0	0	4.66	1.34	0.14	16.14	0.223	0	0	0	0	0	0	0	0
UT1-2089_2	6	0	0	3.7	2.3	0.53	38.9	0.384	0	0	0	0	0	0	0	0
CC-J2116_1	6	0	0	3.98	2.01	0.43	34.97	0.336	0	0	0	0	0	0	0	0
UT2-2125	6	0	0	3.65	2.35	0.46	40.2	0.391	0	0	0	0	0	0	0	0
UT2-2107_3	6	0	0	3.5	2.5	0.27	24.75	0.417	0	0	0	0	0	0	0	0
UT2-2107_4	6	0	0	3.79	2.21	0.19	15.33	0.369	0	0	0	0	0	0	0	0
CC-J2103_1	6	0	0	4.02	1.98	0.27	22.95	0.33	0	0	0	0	0	0	0	0
CC-J2094_1	6	0	0	2.7	3.29	0.39	23.05	0.548	0	0	0	0	0	0	0	0
CC-J2094_2	6	0	0	3.21	2.79	0.16	13.69	0.465	0	0	0	0	0	0	0	0
UT9-92_1	6	0	0	3.65	2.35	0.61	48.75	0.391	0	0	0	0	0	0	0	0
CC-J2101_2	6	0	0	3.48	2.52	0.26	19.55	0.42	0	0	0	0	0	0	0	0
UT9-151	6	0	0	3.81	2.18	0.2	12.95	0.363	0	0	0	0	0	0	0	0
UT9-5_2	6	0	0	3.81	2.18	0.19	15.26	0.364	0	0	0	0	0	0	0	0
CC-J2101_3	6	0	0	3.39	2.61	0.19	13.38	0.435	0	0	0	0	0	0	0	0
UT1-2098_2	6	0	0	3.59	2.41	0.22	15.87	0.401	0	0	0	0	0	0	0	0
UT9-109_2	6	0	0	3.87	2.13	0.14	10.96	0.355	0	0	0	0	0	0	0	0
UT9-114	6	0	0	4.8	1.2	0.32	29.03	0.2	0	0	0	0	0	0	0	0
CC-J2103_2	6	0	0	4.05	1.95	0.13	13.09	0.325	0	0	0	0	0	0	0	0
UT9-2_1	6	0	0	4.73	1.27	0.16	15.39	0.211	0	0	0	0	0	0	0	0
UT2-2107_5	6	0	0	3.64	2.36	0.27	16.96	0.393	0	0	0	0	0	0	0	0
CC-J2116_2	6	0	0	4.32	1.68	0.13	12.74	0.281	0	0	0	0	0	0	0	0
CC-J2116_3	6	0	0	3.65	2.34	0.19	16.08	0.39	0	0	0	0	0	0	0	0
CC-J2112_2	6	0	0	3.39	2.61	0.18	10.97	0.435	0	0	0	0	0	0	0	0
UT1-2121	6	0	0	3.6	2.4	0.29	20.72	0.401	0	0	0	0	0	0	0	0
CC-J2114_1	6	0	0	2.96	3.04	0.25	16.82	0.506	0	0	0	0	0	0	0	0
CC-J2140	6	0	0	3.62	2.37	0.2	17.59	0.395	0	0	0	0	0	0	0	0
UT9-109_3	6	0	0	4.44	1.56	0.22	23.08	0.26	0	0	0	0	0	0	0	0
CC-MASJ2149	6	0	0	3.62	2.38	0.28	21.21	0.396	0	0	0	0	0	0	0	0
CC-J2123	6	0	0	3.08	2.91	0.23	16.72	0.485	0	0	0	0	0	0	0	0
UT1-2878_1	6	0	0	2.92	3.07	0.16	11.89	0.512	0	0	0	0	0	0	0	0
CC-J2136_1	6	0	0	3.96	2.04	0.2	18.02	0.339	0	0	0	0	0	0	0	0
UT9-4_1	6	0	0	4.25	1.75	0.17	15.51	0.292	0	0	0	0	0	0	0	0
UT2-2134	6	0	0	3.56	2.44	0.26	18.58	0.407	0	0	0	0	0	0	0	0
CC-J2160_1	6	0	0	3.07	2.92	0.4	22.33	0.487	0	0	0	0	0	0	0	0
CC-J2114_2	6	0	0	3.6	2.4	0.25	16.15	0.401	0	0	0	0	0	0	0	0
CC-J2995_2	6	0	0	3.35	2.65	0.22	14.29	0.442	0	0	0	0	0	0	0	0
CC-J2136_2	6	0	0	3.88	2.11	0.19	18.84	0.352	0	0	0	0	0	0	0	0
UT1-2183	6	0	0	3.46	2.54	0.68	56.93	0.424	0	0	0	0	0	0	0	0
CC-J2136_3	6	0	0	4.2	1.8	0.14	15.41	0.299	0	0	0	0	0	0	0	0
UT2-2153	6	0	0	3.72	2.28	0.2	15.84	0.38	0	0	0	0	0	0	0	0
CC-J2158	6	0	0	3.22	2.78	0.27	18.64	0.463	0	0	0	0	0	0	0	0
CC-MASJ2814	6	0	0	3.04	2.96	0.08	6.74	0.493	0	0	0	0	0	0	0	0
UT6-11_1	6	0	0	2.84	3.14	0.31	18.72	0.524	0	0	0	0	0	0	0	0
CC-MASJ2187	6	0	0	3.72	2.28	0.46	35.57	0.38	0	0	0	0	0	0	0	0
UT9-12	6	0	0	4.36	1.64	0.59	60.27	0.273	0	0	0	0	0	0	0	0
CC-J2160_2	6	0	0	3.39	2.6	0.21	11.99	0.434	0	0	0	0	0	0	0	0
UT1-2878_2	6	0	0	3.22	2.77	0.36	30.42	0.462	0	0	0	0	0	0	0	0
UT1-2878_3	6	0	0	3.67	2.34	0.26	15.05	0.389	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2170_1	6	0	0	3.2	2.79	0.44	27.71	0.465	0	0	0	0	0	0	0	0
CC-J2170_2	6	0	0	3.61	2.39	0.17	12.94	0.398	0	0	0	0	0	0	0	0
UT2-2162_1	6	0	0	3.6	2.4	0.27	18.6	0.4	0	0	0	0	0	0	0	0
CC-J2174	6	0	0	3.23	2.77	0.19	12.57	0.462	0	0	0	0	0	0	0	0
UT9-92_2	6	0	0	4.14	1.86	0.16	12.13	0.31	0	0	0	0	0	0	0	0
UT9-18_1	6	0	0	4.76	1.24	0.16	23.8	0.207	0	0	0	0	0	0	0	0
UT9-101_1	6	0	0	3.2	2.79	0.35	21.89	0.465	0	0	0	0	0	0	0	0
UT9-6_2	6	0	0	4.61	1.39	0.21	21.74	0.231	0	0	0	0	0	0	0	0
CC-J2185_1	6	0	0	3.37	2.63	0.28	19.02	0.438	0	0	0	0	0	0	0	0
CC-J2729	6	0	0	3.14	2.86	0.27	20.59	0.476	0	0	0	0	0	0	0	0
CC-MASJ2703_1	6	0	0	3.5	2.5	0.26	25.27	0.417	0	0	0	0	0	0	0	0
UT9-7	6	0	0	4.53	1.47	0.15	14.91	0.245	0	0	0	0	0	0	0	0
UT2-2162_2	6	0	0	3.53	2.47	0.24	19.65	0.412	0	0	0	0	0	0	0	0
UT1-2197	6	0	0	3.64	2.36	0.4	36.92	0.393	0	0	0	0	0	0	0	0
UT2-2220	6	0	0	3.51	2.49	0.62	50.12	0.414	0	0	0	0	0	0	0	0
CC-J2170_3	6	0	0	3.55	2.45	0.2	14.48	0.409	0	0	0	0	0	0	0	0
UT6-19_1	6	0	0	3.97	2.03	0.26	21.51	0.338	0	0	0	0	0	0	0	0
CC-MASJ2703_2	6	0	0	3.11	2.88	0.21	16.25	0.481	0	0	0	0	0	0	0	0
UT9-92_3	6	0	0	4.5	1.5	0.17	18.34	0.25	0	0	0	0	0	0	0	0
UT9-8	6	0	0	3.99	2.01	0.18	15.62	0.335	0	0	0	0	0	0	0	0
UT1-2243_1	6	0	0	3.68	2.32	0.27	18.13	0.387	0	0	0	0	0	0	0	0
CC-MASJ2191	6	0	0	3.47	2.52	0.42	31.35	0.42	0	0	0	0	0	0	0	0
UT9-2_2	6	0	0	4.75	1.25	0.14	14.96	0.208	0	0	0	0	0	0	0	0
CC-J2227_1	6	0	0	3.28	2.72	0.49	41.35	0.453	0	0	0	0	0	0	0	0
CC-J2185_2	6	0	0	3.31	2.68	0.54	35.38	0.447	0	0	0	0	0	0	0	0
CC-J2216_1	6	0	0	3.28	2.72	0.34	18.55	0.453	0	0	0	0	0	0	0	0
CC-J2227_2	6	0	0	3.12	2.88	0.23	16.9	0.479	0	0	0	0	0	0	0	0
UT9-4_2	6	0	0	4.63	1.37	0.32	34.06	0.228	0	0	0	0	0	0	0	0
UT9-10	6	0	0	4.27	1.72	0.31	24.36	0.287	0	0	0	0	0	0	0	0
CC-J2214	6	0	0	3.45	2.55	0.41	26.93	0.425	0	0	0	0	0	0	0	0
CC-J2237_1	6	0	0	2.8	3.19	0.42	32.65	0.532	0	0	0	0	0	0	0	0
UT9-13_1	6	0	0	4.48	1.52	0.19	14.55	0.253	0	0	0	0	0	0	0	0
UT1-2207	6	0	0	3.43	2.57	0.39	27.51	0.428	0	0	0	0	0	0	0	0
CC-J2223_1	6	0	0	3.31	2.68	0.18	12.81	0.447	0	0	0	0	0	0	0	0
UT6-11_2	6	0	0	4.38	1.61	0.71	59.91	0.269	0	0	0	0	0	0	0	0
CC-J2807	6	0	0	3.5	2.5	0.32	27.62	0.417	0	0	0	0	0	0	0	0
UT9-13_2	6	0	0	3.93	2.06	0.29	22.32	0.344	0	0	0	0	0	0	0	0
UT9-90_2	6	0	0	4.78	1.22	0.13	15.64	0.203	0	0	0	0	0	0	0	0
UT6-19_2	6	0	0	3.79	2.2	0.27	17.44	0.367	0	0	0	0	0	0	0	0
UT6-19_3	6	0	0	4.06	1.94	0.19	16.77	0.323	0	0	0	0	0	0	0	0
UT6-109	6	0	0	4.6	1.4	0.19	18.16	0.233	0	0	0	0	0	0	0	0
UT1-2243_2	6	0	0	2.99	3	0.37	27.74	0.5	0	0	0	0	0	0	0	0
UT1-2243_3	6	0	0	3.47	2.52	0.29	22.66	0.42	0	0	0	0	0	0	0	0
CC-J2246	6	0	0	3.3	2.7	0.28	26.18	0.449	0	0	0	0	0	0	0	0
UT6-11_3	6	0	0	4.16	1.84	0.16	17.02	0.307	0	0	0	0	0	0	0	0
UT9-18_2	6	0	0	4.49	1.51	0.12	11.75	0.251	0	0	0	0	0	0	0	0
CC-J2290_1	6	0	0	3.38	2.62	0.37	26.61	0.437	0	0	0	0	0	0	0	0
UT9-18_3	6	0	0	4.54	1.46	0.14	14.55	0.244	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT1-2250_1	6	0	0	3.17	2.82	0.84	65.52	0.47	0	0	0	0	0	0	0	0
CC-J2223_2	6	0	0	3.65	2.35	0.3	20.67	0.392	0	0	0	0	0	0	0	0
UT9-90_3	6	0	0	4.18	1.82	0.13	14.23	0.303	0	0	0	0	0	0	0	0
UT6-19_4	6	0	0	4.57	1.43	0.23	19.47	0.238	0	0	0	0	0	0	0	0
CC-J2216_2	6	0	0	3.55	2.45	0.34	23.34	0.409	0	0	0	0	0	0	0	0
UT4-170	6	0	0	3.34	2.65	0.74	50.77	0.442	0	0	0	0	0	0	0	0
CC-J3_1	6	0	0	2.67	3.32	0.36	25.44	0.554	0	0	0	0	0	0	0	0
UT9-92_4	6	0	0	4.25	1.76	0.19	19.04	0.293	0	0	0	0	0	0	0	0
UT2-2252_1	6	0	0	3.6	2.4	0.22	14.88	0.401	0	0	0	0	0	0	0	0
CC-J2272	6	0	0	3.25	2.74	0.26	16.88	0.457	0	0	0	0	0	0	0	0
CC-J2269	6	0	0	3.34	2.66	0.52	34.91	0.443	0	0	0	0	0	0	0	0
CC-J2237_2	6	0	0	3.56	2.43	0.28	23.67	0.406	0	0	0	0	0	0	0	0
UT9-90_4	6	0	0	4.59	1.41	0.18	16.73	0.236	0	0	0	0	0	0	0	0
UT9-92_5	6	0	0	4.32	1.68	0.31	29.67	0.28	0	0	0	0	0	0	0	0
UT2-2252_2	6	0	0	3.47	2.53	0.35	29.23	0.422	0	0	0	0	0	0	0	0
UT2-2252_3	6	0	0	3.56	2.44	0.33	24.71	0.406	0	0	0	0	0	0	0	0
UT6-152	6	0	0	4.78	1.22	0.23	22.81	0.203	0	0	0	0	0	0	0	0
UT1-2250_2	6	0	0	3.01	2.98	0.41	22.95	0.496	0	0	0	0	0	0	0	0
UT9-86_1	6	0	0	4.55	1.45	0.3	33.03	0.242	0	0	0	0	0	0	0	0
CC-J2274	6	0	0	3.11	2.88	0.3	21.61	0.481	0	0	0	0	0	0	0	0
UT9-92_6	6	0	0	4.73	1.27	0.26	25.88	0.212	0	0	0	0	0	0	0	0
UT9-101_2	6	0	0	3.98	2.02	0.21	18.98	0.337	0	0	0	0	0	0	0	0
UT9-101_3	6	0	0	4.2	1.8	0.4	34.39	0.299	0	0	0	0	0	0	0	0
UT9-24	6	0	0	3.83	2.17	0.26	20.18	0.361	0	0	0	0	0	0	0	0
CC-J2290_2	6	0	0	3.07	2.92	0.51	34.06	0.487	0	0	0	0	0	0	0	0
UT3-20_1	6	0	0	3.15	2.84	1.05	76.55	0.474	0	0	0	0	0	0	0	0
UT9-17_1	6	0	0	3.71	2.28	0.24	19.67	0.38	0	0	0	0	0	0	0	0
UT9-17_2	6	0	0	4.16	1.83	0.46	39.32	0.306	0	0	0	0	0	0	0	0
UT9-17_3	6	0	0	4.21	1.79	0.28	23.69	0.299	0	0	0	0	0	0	0	0
UT9-13_3	6	0	0	4.1	1.9	0.35	26.91	0.316	0	0	0	0	0	0	0	0
UT9-88_1	6	0	0	4.57	1.43	0.17	18.16	0.239	0	0	0	0	0	0	0	0
UT4-15	6	0	0	3.42	2.58	0.22	16.37	0.429	0	0	0	0	0	0	0	0
UT4-23_1	6	0	0	3.49	2.51	0.44	40.51	0.418	0	0	0	0	0	0	0	0
UT4-14	6	0	0	2.69	3.3	0.24	16.25	0.55	0	0	0	0	0	0	0	0
UT9-88_2	6	0	0	4.5	1.5	0.29	22.96	0.25	0	0	0	0	0	0	0	0
UT4-23_2	6	0	0	3.45	2.55	0.24	21.07	0.425	0	0	0	0	0	0	0	0
CC-J3_2	6	0	0	3.73	2.27	0.32	27.7	0.378	0	0	0	0	0	0	0	0
UT4-35_1	6	0	0	3.32	2.67	0.21	16.77	0.446	0	0	0	0	0	0	0	0
UT4-35_2	6	0	0	3.64	2.36	0.31	20.84	0.394	0	0	0	0	0	0	0	0
UT4-23_3	6	0	0	3.49	2.51	0.38	25.69	0.418	0	0	0	0	0	0	0	0
CC-J3_3	6	0	0	3.95	2.05	0.18	13.32	0.342	0	0	0	0	0	0	0	0
UT9-86_2	6	0	0	4.64	1.36	0.15	15.56	0.226	0	0	0	0	0	0	0	0
UT3-30_1	6	0	0	3.7	2.3	0.43	27.96	0.383	0	0	0	0	0	0	0	0
UT9-22	6	0	0	4.45	1.55	0.24	20.69	0.259	0	0	0	0	0	0	0	0
UT9-88_3	6	0	0	4.67	1.33	0.21	22.86	0.222	0	0	0	0	0	0	0	0
UT4-35_3	6	0	0	3.35	2.65	0.59	41.68	0.442	0	0	0	0	0	0	0	0
UT3-31	6	0	0	3.52	2.48	0.58	54.6	0.413	0	0	0	0	0	0	0	0
UT6-150	6	0	0	4.68	1.31	0.13	13.53	0.219	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT6-34_1	6	0	0	4.03	1.97	0.35	33.51	0.328	0	0	0	0	0	0	0	0
UT4-40_1	6	0	0	3.26	2.74	0.61	40.57	0.457	0	0	0	0	0	0	0	0
UT8-102_1	6	0	0	4.48	1.52	0.57	56.24	0.254	0	0	0	0	0	0	0	0
UT6-27	6	0	0	4.83	1.17	0.23	27.79	0.194	0	0	0	0	0	0	0	0
UT6-2_Rev_1	6	0	0	4.69	1.31	0.24	24.68	0.218	0	0	0	0	0	0	0	0
UT6-26_1	6	0	0	3.89	2.1	0.23	17.48	0.35	0	0	0	0	0	0	0	0
UT6-34_2	6	0	0	4.88	1.12	0.09	9.44	0.187	0	0	0	0	0	0	0	0
UT6-143	6	0	0	4.87	1.13	0.1	10.5	0.189	0	0	0	0	0	0	0	0
UT6-110_1	6	0	0	4.75	1.25	0.17	20.15	0.208	0	0	0	0	0	0	0	0
UT3-20_2	6	0	0	3.35	2.65	0.31	21.05	0.441	0	0	0	0	0	0	0	0
UT4-32	6	0	0	3.16	2.84	0.33	20.49	0.473	0	0	0	0	0	0	0	0
UT6-33_1	6	0	0	4.47	1.53	0.22	25.53	0.254	0	0	0	0	0	0	0	0
UT8-94	6	0	0	4.18	1.82	0.28	29.83	0.304	0	0	0	0	0	0	0	0
UT8-98_1	6	0	0	4.55	1.45	0.13	13.55	0.242	0	0	0	0	0	0	0	0
UT4-42	6	0	0	3.44	2.56	0.19	13.96	0.427	0	0	0	0	0	0	0	0
UT3-13	6	0	0	3.82	2.18	0.33	26.17	0.364	0	0	0	0	0	0	0	0
UT3-39	6	0	0	3.12	2.87	0.2	14.51	0.479	0	0	0	0	0	0	0	0
UT3-180_1	6	0	0	3.96	2.04	0.22	16.42	0.34	0	0	0	0	0	0	0	0
UT3-162	6	0	0	3.61	2.39	0.39	31.18	0.398	0	0	0	0	0	0	0	0
UT6-2_Rev_2	6	0	0	5.09	0.91	0.07	8.46	0.151	0	0	0	0	0	0	0	0
UT4-38	6	0	0	3.6	2.4	0.63	37.89	0.4	0	0	0	0	0	0	0	0
UT6-33_2	6	0	0	4.23	1.77	0.23	23.51	0.294	0	0	0	0	0	0	0	0
UT6-34_3	6	0	0	3.94	2.05	0.31	22.75	0.342	0	0	0	0	0	0	0	0
UT6-135	6	0	0	4.13	1.87	0.13	13.1	0.312	0	0	0	0	0	0	0	0
UT8-98_2	6	0	0	4.49	1.5	0.2	15.79	0.251	0	0	0	0	0	0	0	0
UT3-5_Rev_1	6	0	0	3	2.99	0.22	16.28	0.499	0	0	0	0	0	0	0	0
UT6-184	6	0	0	4.68	1.31	0.42	47.39	0.219	0	0	0	0	0	0	0	0
UT6-26_2	6	0	0	3.96	2.04	0.21	18.64	0.339	0	0	0	0	0	0	0	0
UT4-107_1	6	0	0	3.43	2.57	0.44	40.78	0.428	0	0	0	0	0	0	0	0
UT9-86_3	6	0	0	4.66	1.34	0.21	12.46	0.223	0	0	0	0	0	0	0	0
UT4-35_4	6	0	0	3.28	2.72	0.28	21.31	0.454	0	0	0	0	0	0	0	0
UT6-37_1	6	0	0	4.43	1.57	0.46	46.01	0.262	0	0	0	0	0	0	0	0
UT4-107_2	6	0	0	3.54	2.46	0.46	42.31	0.409	0	0	0	0	0	0	0	0
UT3-5_Rev_2	6	0	0	3.58	2.42	0.39	26.68	0.403	0	0	0	0	0	0	0	0
UT3-49	6	0	0	3.22	2.78	0.24	17.46	0.463	0	0	0	0	0	0	0	0
UT6-37_2	6	0	0	4.37	1.63	0.18	16.09	0.272	0	0	0	0	0	0	0	0
UT3-47	6	0	0	2.91	3.08	0.59	40.23	0.514	0	0	0	0	0	0	0	0
UT6-43_1	6	0	0	4.45	1.55	0.14	14.8	0.259	0	0	0	0	0	0	0	0
UT6-8_Rev_1	6	0	0	4.09	1.91	0.3	18.69	0.318	0	0	0	0	0	0	0	0
UT6-45	6	0	0	4.43	1.57	0.16	15.27	0.262	0	0	0	0	0	0	0	0
UT6-43_2	6	0	0	4.19	1.81	0.13	12.21	0.302	0	0	0	0	0	0	0	0
UT6-175	6	0	0	4.66	1.34	0.11	13.39	0.223	0	0	0	0	0	0	0	0
UT6-183	6	0	0	4.02	1.98	0.29	30.86	0.33	0	0	0	0	0	0	0	0
UT6-149_Rev	6	0	0	4.08	1.92	0.2	22.52	0.32	0	0	0	0	0	0	0	0
UT6-8_Rev_2	6	0	0	4.35	1.65	0.22	16.04	0.275	0	0	0	0	0	0	0	0
UT4-36	6	0	0	3.84	2.15	0.6	38.1	0.359	0	0	0	0	0	0	0	0
UT6-134_1	6	0	0	4.38	1.62	0.17	17.51	0.27	0	0	0	0	0	0	0	0
UT6-43_3	6	0	0	4.4	1.6	0.21	23.82	0.267	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT6-73_1	6	0	0	4.2	1.8	0.14	12.52	0.299	0	0	0	0	0	0	0	0
UT6-56_1	6	0	0	4.44	1.56	0.21	15.55	0.26	0	0	0	0	0	0	0	0
UT6-2_Rev_3	6	0	0	3.62	2.38	0.32	28.9	0.396	0	0	0	0	0	0	0	0
UT6-1_Rev_1	6	0	0	4.5	1.49	0.14	10.24	0.249	0	0	0	0	0	0	0	0
UT8-102_2	6	0	0	4.18	1.82	0.4	34.31	0.303	0	0	0	0	0	0	0	0
UT4-41_1	6	0	0	2.48	3.5	0.39	24.22	0.584	0	0	0	0	0	0	0	0
UT6-73_2	6	0	0	4.1	1.9	0.47	46.8	0.317	0	0	0	0	0	0	0	0
UT8-102_3	6	0	0	4.04	1.96	0.3	31.06	0.327	0	0	0	0	0	0	0	0
UT6-7_Rev_1	6	0	0	4.47	1.53	0.23	28.99	0.254	0	0	0	0	0	0	0	0
UT3-5_Rev_3	6	0	0	3.49	2.51	0.26	23.22	0.419	0	0	0	0	0	0	0	0
UT6-6_Rev_1	6	0	0	4.58	1.42	0.15	13.27	0.236	0	0	0	0	0	0	0	0
UT6-1_Rev_2	6	0	0	4.38	1.61	0.17	14.64	0.269	0	0	0	0	0	0	0	0
UT6-7_Rev_2	6	0	0	4.04	1.96	0.37	23.89	0.326	0	0	0	0	0	0	0	0
UT6-56_2	6	0	0	3.79	2.2	0.48	33.49	0.367	0	0	0	0	0	0	0	0
UT3-30_2	6	0	0	3.06	2.93	0.3	18.34	0.488	0	0	0	0	0	0	0	0
UT6-1_Rev_3	6	0	0	4.48	1.52	0.14	17.86	0.254	0	0	0	0	0	0	0	0
UT6-1_Rev_4	6	0	0	3.87	2.12	0.21	20.8	0.354	0	0	0	0	0	0	0	0
UT6-7_Rev_3	6	0	0	4.65	1.35	0.18	16.12	0.225	0	0	0	0	0	0	0	0
UT4-41_2	6	0	0	3.11	2.89	0.44	33.09	0.481	0	0	0	0	0	0	0	0
UT4-40_2	6	0	0	3.21	2.79	0.25	21.89	0.465	0	0	0	0	0	0	0	0
UT6-134_2	6	0	0	4.09	1.91	0.26	21.61	0.318	0	0	0	0	0	0	0	0
UT4-125	6	0	0	3.55	2.45	0.28	27.94	0.408	0	0	0	0	0	0	0	0
UT6-37_3	6	0	0	3.86	2.14	0.18	14.69	0.356	0	0	0	0	0	0	0	0
UT3-176	6	0	0	3.43	2.56	0.22	16.59	0.427	0	0	0	0	0	0	0	0
UT3-180_2	6	0	0	3.06	2.93	0.48	38.13	0.489	0	0	0	0	0	0	0	0
UT4-59_1	6	0	0	3.01	2.98	0.27	17.21	0.497	0	0	0	0	0	0	0	0
UT3-57_1	6	0	0	3.47	2.53	0.28	26.62	0.421	0	0	0	0	0	0	0	0
UT4-59_2	6	0	0	2.71	3.28	0.51	34.96	0.546	0	0	0	0	0	0	0	0
UT6-110_2	6	0	0	3.96	2.04	0.2	14.93	0.339	0	0	0	0	0	0	0	0
UT3-57_2	6	0	0	3.32	2.68	0.22	18.01	0.447	0	0	0	0	0	0	0	0
UT4-113_1	6	0	0	3.05	2.95	0.22	17.12	0.491	0	0	0	0	0	0	0	0
UT4-55_1	6	0	0	3.58	2.42	0.34	26.13	0.403	0	0	0	0	0	0	0	0
UT8-102_4	6	0	0	4.1	1.89	0.13	12.28	0.316	0	0	0	0	0	0	0	0
UT4-169_1	6	0	0	3.71	2.28	0.22	19.3	0.38	0	0	0	0	0	0	0	0
UT6-52_1	6	0	0	4.77	1.23	0.19	23.41	0.205	0	0	0	0	0	0	0	0
UT6-58	6	0	0	3.68	2.31	0.42	30.86	0.385	0	0	0	0	0	0	0	0
UT4-181	6	0	0	3.07	2.92	0.86	62.68	0.487	0	0	0	0	0	0	0	0
UT4-55_2	6	0	0	3.11	2.89	0.25	19.36	0.481	0	0	0	0	0	0	0	0
UT6-8_Rev_3	6	0	0	3.66	2.34	0.29	17.96	0.389	0	0	0	0	0	0	0	0
UT4-113_2	6	0	0	3.31	2.69	0.37	32.01	0.449	0	0	0	0	0	0	0	0
UT4-123_1	6	0	0	2.58	3.41	0.42	26.68	0.568	0	0	0	0	0	0	0	0
UT4-169_2	6	0	0	3.37	2.63	0.32	26.64	0.438	0	0	0	0	0	0	0	0
UT8-102_5	6	0	0	3.76	2.23	0.26	22.1	0.372	0	0	0	0	0	0	0	0
UT3-51	6	0	0	2.55	3.44	0.14	10.69	0.573	0	0	0	0	0	0	0	0
UT3-57_3	6	0	0	3.05	2.95	0.28	23.7	0.492	0	0	0	0	0	0	0	0
UT6-52_2	6	0	0	3.64	2.35	0.2	14.85	0.392	0	0	0	0	0	0	0	0
UT6-52_3	6	0	0	4.13	1.86	0.14	13.97	0.31	0	0	0	0	0	0	0	0
UT3-54	6	0	0	2.59	3.4	0.16	11.39	0.567	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT4-123_2	6	0	0	3.35	2.64	0.17	13.85	0.441	0	0	0	0	0	0	0	0
UT4-169_3	6	0	0	4.14	1.86	0.31	29.7	0.309	0	0	0	0	0	0	0	0
UT6-69	6	0	0	4.18	1.82	0.45	46.63	0.303	0	0	0	0	0	0	0	0
UT3-61_1	6	0	0	2.8	3.2	0.3	22.61	0.533	0	0	0	0	0	0	0	0
UT6-8_Rev_4	6	0	0	4.26	1.74	0.21	21.54	0.29	0	0	0	0	0	0	0	0
UT4-116_1	6	0	0	3.34	2.66	0.45	37.97	0.443	0	0	0	0	0	0	0	0
UT6-64_1	6	0	0	4.7	1.3	0.33	38.55	0.217	0	0	0	0	0	0	0	0
UT3-62_1	6	0	0	3.27	2.73	0.65	52.22	0.455	0	0	0	0	0	0	0	0
UT3-62_2	6	0	0	3.14	2.86	0.4	26.64	0.476	0	0	0	0	0	0	0	0
UT4-67_1	6	0	0	3.2	2.79	0.16	11.05	0.466	0	0	0	0	0	0	0	0
UT4-123_3	6	0	0	3.1	2.89	0.26	21.31	0.482	0	0	0	0	0	0	0	0
UT4-59_3	6	0	0	3.12	2.87	0.52	41.26	0.478	0	0	0	0	0	0	0	0
UT6-76_1	6	0	0	4.6	1.4	0.28	24.6	0.233	0	0	0	0	0	0	0	0
UT4-67_2	6	0	0	3.44	2.56	0.21	18.4	0.427	0	0	0	0	0	0	0	0
UT4-116_2	6	0	0	3.6	2.4	0.28	22.72	0.399	0	0	0	0	0	0	0	0
UT6-74_1	6	0	0	4.21	1.79	0.43	32.77	0.298	0	0	0	0	0	0	0	0
UT3-61_2	6	0	0	3.07	2.92	0.76	62.51	0.487	0	0	0	0	0	0	0	0
UT6-6_Rev_2	6	0	0	4.39	1.6	0.2	17.26	0.267	0	0	0	0	0	0	0	0
UT6-74_2	6	0	0	4.18	1.81	0.43	35.55	0.302	0	0	0	0	0	0	0	0
UT6-77	6	0	0	3.89	2.11	0.34	29.51	0.351	0	0	0	0	0	0	0	0
UT4-66_1	6	0	0	3.19	2.8	0.37	22.58	0.467	0	0	0	0	0	0	0	0
UT6-64_2	6	0	0	4.44	1.56	0.38	42.95	0.259	0	0	0	0	0	0	0	0
UT3-80_1	6	0	0	3.01	2.98	0.4	27.41	0.497	0	0	0	0	0	0	0	0
UT6-6_Rev_3	6	0	0	4.67	1.33	0.38	48.29	0.222	0	0	0	0	0	0	0	0
UT4-168	6	0	0	3.63	2.37	0.3	24.55	0.395	0	0	0	0	0	0	0	0
UT4-137	6	0	0	3.98	2.02	0.28	25.17	0.337	0	0	0	0	0	0	0	0
UT3-119	6	0	0	3.07	2.92	0.47	39.97	0.487	0	0	0	0	0	0	0	0
UT3-80_2	6	0	0	3.01	2.99	0.48	40.33	0.498	0	0	0	0	0	0	0	0
UT6-76_2	6	0	0	4.38	1.62	0.28	29.36	0.27	0	0	0	0	0	0	0	0
UT6-76_3	6	0	0	4.27	1.73	0.1	9.76	0.289	0	0	0	0	0	0	0	0
UT4-116_3	6	0	0	2.91	3.09	0.14	11.35	0.515	0	0	0	0	0	0	0	0
UT7-85_1	6	0	0	4.35	1.65	0.23	21.44	0.275	0	0	0	0	0	0	0	0
UT7-85_2	6	0	0	4.19	1.8	0.24	20.28	0.301	0	0	0	0	0	0	0	0
UT7-85_3	6	0	0	4.2	1.8	0.21	17.78	0.3	0	0	0	0	0	0	0	0
UT6-106	6	0	0	4.71	1.29	0.1	14.35	0.215	0	0	0	0	0	0	0	0
UT4-66_2	6	0	0	3.86	2.14	0.26	18.53	0.357	0	0	0	0	0	0	0	0
UT6-73_3	6	0	0	4.29	1.71	0.12	11.43	0.285	0	0	0	0	0	0	0	0
UT4-105_1	6	0	0	3.01	2.98	0.42	32.7	0.497	0	0	0	0	0	0	0	0
UT4-79	6	0	0	4.25	1.75	0.35	41.06	0.291	0	0	0	0	0	0	0	0
UT4-68	6	0	0	3.02	2.97	0.41	23.04	0.495	0	0	0	0	0	0	0	0
UT6-185	6	0	0	4.79	1.21	0.23	25.08	0.202	0	0	0	0	0	0	0	0
UT3-80_3	6	0	0	2.81	3.18	0.22	16.15	0.531	0	0	0	0	0	0	0	0
UT6-63	6	0	0	4.92	1.08	0.43	43.98	0.18	0	0	0	0	0	0	0	0
UT4-75	6	0	0	3.57	2.43	0.31	23.72	0.405	0	0	0	0	0	0	0	0
UT6-104_1	6	0	0	3.72	2.28	0.58	47.22	0.38	0	0	0	0	0	0	0	0
UT3-80_4	6	0	0	3.21	2.78	0.31	24.62	0.464	0	0	0	0	0	0	0	0
UT3-71	6	0	0	3.31	2.69	0.28	18.25	0.448	0	0	0	0	0	0	0	0
UT6-104_2	6	0	0	3.97	2.03	0.18	20.85	0.338	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT4-82_1	6	0	0	3.74	2.25	0.68	54.01	0.376	0	0	0	0	0	0	0	0
UT7-89_1	6	0	0	4.41	1.59	0.13	13.4	0.265	0	0	0	0	0	0	0	0
UT7-103_1	6	0	0	4.34	1.66	0.2	16.48	0.277	0	0	0	0	0	0	0	0
UT6-8_Rev_5	6	0	0	4.24	1.76	0.08	10.27	0.294	0	0	0	0	0	0	0	0
UT7-89_2	6	0	0	4.24	1.76	0.18	19.71	0.293	0	0	0	0	0	0	0	0
UT6-90_1	6	0	0	3.89	2.11	0.3	28.28	0.352	0	0	0	0	0	0	0	0
UT4-83	6	0	0	2.88	3.12	0.26	20.1	0.52	0	0	0	0	0	0	0	0
UT6-8_Rev_6	6	0	0	3.99	2.01	0.12	10.55	0.335	0	0	0	0	0	0	0	0
UT4-84_1	6	0	0	3.99	2.01	0.38	43.03	0.334	0	0	0	0	0	0	0	0
UT4-105_2	6	0	0	3.41	2.59	0.18	16.25	0.431	0	0	0	0	0	0	0	0
UT6-81_1	6	0	0	3.82	2.18	0.23	21.98	0.363	0	0	0	0	0	0	0	0
UT6-81_2	6	0	0	3.27	2.72	0.31	23.32	0.453	0	0	0	0	0	0	0	0
UT6-128_1	6	0	0	4.58	1.42	0.28	33.71	0.237	0	0	0	0	0	0	0	0
UT4-84_2	6	0	0	3.62	2.38	0.29	25.83	0.397	0	0	0	0	0	0	0	0
UT6-78_Rev_1	6	0	0	4.09	1.91	0.36	36.36	0.318	0	0	0	0	0	0	0	0
UT7-89_3	6	0	0	4.4	1.6	0.21	15.57	0.266	0	0	0	0	0	0	0	0
UT6-90_2	6	0	0	4.32	1.68	0.14	17.62	0.28	0	0	0	0	0	0	0	0
UT6-132	6	0	0	3.66	2.34	0.15	12.27	0.39	0	0	0	0	0	0	0	0
UT4-167	6	0	0	3.8	2.19	0.37	28.11	0.366	0	0	0	0	0	0	0	0
UT6-78_Rev_2	6	0	0	3.76	2.23	0.28	21.17	0.372	0	0	0	0	0	0	0	0
UT6-78_Rev_3	6	0	0	3.84	2.16	0.18	17.22	0.359	0	0	0	0	0	0	0	0
UT4-120	6	0	0	2.76	3.23	0.15	10.85	0.538	0	0	0	0	0	0	0	0
UT6-122	6	0	0	4.58	1.42	0.52	47.68	0.237	0	0	0	0	0	0	0	0
UT4-58	6	0	0	3.35	2.65	0.19	14.89	0.441	0	0	0	0	0	0	0	0
UT4-86_1	6	0	0	3.07	2.92	0.48	33.14	0.487	0	0	0	0	0	0	0	0
UT6-90_3	6	0	0	4.23	1.77	0.09	8.62	0.295	0	0	0	0	0	0	0	0
UT7-117	6	0	0	4.71	1.29	0.71	42.86	0.214	0	0	0	0	0	0	0	0
UT4-82_2	6	0	0	3.84	2.16	0.21	17.29	0.36	0	0	0	0	0	0	0	0
UT6-92_1	6	0	0	4.16	1.84	0.16	15.4	0.307	0	0	0	0	0	0	0	0
UT4-86_2	6	0	0	3.7	2.3	0.12	10.95	0.384	0	0	0	0	0	0	0	0
UT4-88_1	6	0	0	4.03	1.97	0.67	56.27	0.329	0	0	0	0	0	0	0	0
UT7-103_2	6	0	0	4.7	1.3	0.41	37.93	0.216	0	0	0	0	0	0	0	0
UT6-128_2	6	0	0	4.61	1.39	0.1	13.24	0.232	0	0	0	0	0	0	0	0
UT4-84_3	6	0	0	3.4	2.6	0.31	27.25	0.433	0	0	0	0	0	0	0	0
UT4-88_2	6	0	0	3.03	2.97	0.06	5.3	0.495	0	0	0	0	0	0	0	0
UT4-87	6	0	0	3.75	2.24	0.28	21.28	0.374	0	0	0	0	0	0	0	0
UT6-92_2	6	0	0	4.12	1.88	0.23	23.24	0.313	0	0	0	0	0	0	0	0
UT4-91_1	6	0	0	3.58	2.42	0.28	18.71	0.403	0	0	0	0	0	0	0	0
UT4-91_2	6	0	0	3.37	2.62	0.3	25.91	0.437	0	0	0	0	0	0	0	0
UT4-91_3	6	0	0	3.36	2.64	0.32	30.63	0.44	0	0	0	0	0	0	0	0
UT4-95_1	6	0	0	4.14	1.86	0.18	18.57	0.31	0	0	0	0	0	0	0	0
UT6-93_1	6	0	0	4.41	1.59	0.35	29.6	0.265	0	0	0	0	0	0	0	0
UT6-93_2	6	0	0	4.25	1.75	0.21	22	0.292	0	0	0	0	0	0	0	0
UT6-3	6	0	0	4.11	1.89	0.18	15.32	0.314	0	0	0	0	0	0	0	0
UT6-96	6	0	0	4.02	1.98	0.13	9.33	0.331	0	0	0	0	0	0	0	0
UT6-127_1	6	0	0	4.1	1.9	0.17	14.25	0.316	0	0	0	0	0	0	0	0
UT6-127_2	6	0	0	4.64	1.36	0.11	13.9	0.227	0	0	0	0	0	0	0	0
UT6-97	6	0	0	4.57	1.43	0.14	12.16	0.238	0	0	0	0	0	0	0	0

Subcatchment SWMM 10-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT5-99_1	6	0	0	4.22	1.78	0.37	31.62	0.296	0	0	0	0	0	0	0	0
UT4-100_1	6	0	0	4.11	1.89	0.43	40.89	0.314	0	0	0	0	0	0	0	0
UT4-95_2	6	0	0	4	2	0.27	21.41	0.333	0	0	0	0	0	0	0	0
UT4-100_2	6	0	0	3.88	2.12	0.34	29.45	0.354	0	0	0	0	0	0	0	0
UT5-99_2	6	0	0	3.6	2.41	0.23	15.99	0.401	0	0	0	0	0	0	0	0
CC-MAS1359	6	0	0	3.65	2.35	0.12	8.87	0.391	0	0	0	0	0	0	0	0
CC-MASJ127	6	0	0	3.57	2.43	0.24	19.01	0.404	0	0	0	0	0	0	0	0
CC-J810	6	0	0	3.12	2.88	0.46	31.43	0.479	0	0	0	0	0	0	0	0
CC-J97	6	0	0	3.02	2.98	0.14	8.86	0.496	0	0	0	0	0	0	0	0
UT-_1	6	0	0	5.45	0.55	3.36	258.78	0.092	0	0	0	0	0	0	0	0
UT-_2	6	0	0	5.21	0.79	0.7	112.63	0.132	0	0	0	0	0	0	0	0
UT-816_2	6	0	0	5.78	0.22	5.02	301.76	0.036	0	0	0	0	0	0	0	0
BC-1385_2	6	0	0	3.68	2.32	0.34	19.49	0.387	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT6-124	7.25	0	0	5.51	1.74	0.36	34.46	0.24	0	0	0	0	0	0	0	0
PO-763_1	7.25	0	0	5.79	1.46	13.54	376.97	0.201	0	0	0	0	0	0	0	0
UT-2861	7.25	0	0	4.91	2.34	8.2	251.19	0.323	0	0	0	0	0	0	0	0
CC-MASJ1365_1	7.25	0	0	3.7	3.55	0.16	12.56	0.489	0	0	0	0	0	0	0	0
UT-805_1	7.25	0	0	4.12	3.13	0.47	20.68	0.431	0	0	0	0	0	0	0	0
CC-J779_1	7.25	0	0	3.91	3.34	1.41	71.19	0.461	0	0	0	0	0	0	0	0
PO-725	7.25	0	0	3.85	3.4	0.52	46.67	0.468	0	0	0	0	0	0	0	0
CC-J801	7.25	0	0	3.95	3.3	0.56	39.75	0.455	0	0	0	0	0	0	0	0
CC-J867_1	7.25	0	0	3.65	3.6	0.5	31.92	0.496	0	0	0	0	0	0	0	0
PO-839	7.25	0	0	3.99	3.26	1.06	65.52	0.45	0	0	0	0	0	0	0	0
UT-844_1	7.25	0	0	4.08	3.17	0.24	15.01	0.437	0	0	0	0	0	0	0	0
PO-763_2	7.25	0	0	3.77	3.48	0.7	40.63	0.48	0	0	0	0	0	0	0	0
CC-J867_2	7.25	0	0	4.03	3.22	0.42	32.72	0.444	0	0	0	0	0	0	0	0
UT-2820_1	7.25	0	0	4.08	3.17	0.42	19.17	0.437	0	0	0	0	0	0	0	0
UT-844_2	7.25	0	0	4.28	2.97	0.33	17.56	0.409	0	0	0	0	0	0	0	0
PO-835	7.25	0	0	3.63	3.61	0.76	55.17	0.499	0	0	0	0	0	0	0	0
PO-837	7.25	0	0	3.37	3.87	0.28	22.33	0.534	0	0	0	0	0	0	0	0
UT-805_2	7.25	0	0	4.26	2.99	0.27	12.09	0.412	0	0	0	0	0	0	0	0
CC-J779_2	7.25	0	0	3.76	3.49	0.5	37.18	0.481	0	0	0	0	0	0	0	0
UT-844_3	7.25	0	0	4	3.25	0.61	38.89	0.448	0	0	0	0	0	0	0	0
PO-44_1	7.25	0	0	3.89	3.36	0.26	20.16	0.463	0	0	0	0	0	0	0	0
UT-816_1	7.25	0	0	4.37	2.88	0.44	27.71	0.397	0	0	0	0	0	0	0	0
CC-J908_1	7.25	0	0	3.87	3.38	1.18	58.37	0.466	0	0	0	0	0	0	0	0
PO-830_1	7.25	0	0	3.34	3.91	0.37	26.72	0.539	0	0	0	0	0	0	0	0
PO-830_2	7.25	0	0	3.74	3.51	0.69	45.77	0.484	0	0	0	0	0	0	0	0
PO-856	7.25	0	0	3.74	3.5	0.74	37.98	0.483	0	0	0	0	0	0	0	0
UT-988_1	7.25	0	0	5.93	1.32	1.89	120.48	0.183	0	0	0	0	0	0	0	0
UT-877	7.25	0	0	5.07	2.18	1	81.79	0.3	0	0	0	0	0	0	0	0
UT-860	7.25	0	0	5.21	2.04	0.4	27.41	0.282	0	0	0	0	0	0	0	0
PO-44_2	7.25	0	0	3.78	3.47	0.39	25.6	0.479	0	0	0	0	0	0	0	0
UT-832	7.25	0	0	4.61	2.64	0.31	23.15	0.364	0	0	0	0	0	0	0	0
CC-J75	7.25	0	0	3.71	3.54	0.11	7.62	0.488	0	0	0	0	0	0	0	0
CC-MASJ888	7.25	0	0	3.64	3.61	0.17	12.16	0.498	0	0	0	0	0	0	0	0
CC-J69	7.25	0	0	3.79	3.46	0.55	26.68	0.477	0	0	0	0	0	0	0	0
PO-35_1	7.25	0	0	3.91	3.35	0.24	17.62	0.461	0	0	0	0	0	0	0	0
CC-J81	7.25	0	0	5.31	1.94	0.7	47.07	0.267	0	0	0	0	0	0	0	0
CC-MASJ122	7.25	0	0	5.01	2.24	0.39	25.43	0.309	0	0	0	0	0	0	0	0
CC-J935	7.25	0	0	5.77	1.47	5.77	215.08	0.203	0	0	0	0	0	0	0	0
CC-J1012	7.25	0	0	4.72	2.53	0.4	29.85	0.349	0	0	0	0	0	0	0	0
CC-J875_1	7.25	0	0	3.86	3.39	0.33	23.19	0.467	0	0	0	0	0	0	0	0
UT-2820_2	7.25	0	0	3.95	3.3	0.29	16.44	0.456	0	0	0	0	0	0	0	0
PO-37	7.25	0	0	3.35	3.89	0.86	59.89	0.537	0	0	0	0	0	0	0	0
CC-J879_1	7.25	0	0	3.88	3.37	0.59	37.1	0.465	0	0	0	0	0	0	0	0
CC-J882	7.25	0	0	4.09	3.16	0.39	25.94	0.436	0	0	0	0	0	0	0	0
CC-J875_2	7.25	0	0	3.78	3.47	0.18	14.47	0.479	0	0	0	0	0	0	0	0
UT-848	7.25	0	0	4.31	2.94	0.47	33.92	0.406	0	0	0	0	0	0	0	0
UT-873	7.25	0	0	6.01	1.24	0.37	37.15	0.171	0	0	0	0	0	0	0	0
PO-35_2	7.25	0	0	3.75	3.49	0.74	43.42	0.482	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-16042417_1	7.25	0	0	5.51	1.74	0.5	23.79	0.24	0	0	0	0	0	0	0	0
PO-3007	7.25	0	0	3.87	3.38	0.28	22.9	0.466	0	0	0	0	0	0	0	0
CC-MASJ130	7.25	0	0	3.56	3.69	0.41	25.56	0.509	0	0	0	0	0	0	0	0
UT-2857_1	7.25	0	0	4.24	3.01	0.38	26.49	0.415	0	0	0	0	0	0	0	0
CC-J879_2	7.25	0	0	3.98	3.27	0.27	19.83	0.45	0	0	0	0	0	0	0	0
CC-J879_3	7.25	0	0	4.14	3.11	0.48	34.2	0.428	0	0	0	0	0	0	0	0
CC-J879_4	7.25	0	0	3.92	3.33	0.34	24.5	0.459	0	0	0	0	0	0	0	0
UT-15042417	7.25	0	0	3.78	3.47	0.24	17.01	0.478	0	0	0	0	0	0	0	0
UT-2857_2	7.25	0	0	3.6	3.64	0.69	34.37	0.502	0	0	0	0	0	0	0	0
UT-2748	7.25	0	0	5.24	2.01	0.07	7.39	0.277	0	0	0	0	0	0	0	0
PO-870	7.25	0	0	3.95	3.3	0.6	39.9	0.456	0	0	0	0	0	0	0	0
UT-921_1	7.25	0	0	4.11	3.14	0.52	31.92	0.433	0	0	0	0	0	0	0	0
PO-3044	7.25	0	0	3.72	3.53	0.28	21.96	0.487	0	0	0	0	0	0	0	0
CC-MASJ133	7.25	0	0	3.82	3.42	0.12	8.63	0.472	0	0	0	0	0	0	0	0
PO-925_1	7.25	0	0	3.7	3.55	0.35	26.49	0.489	0	0	0	0	0	0	0	0
CC-MASJ135	7.25	0	0	4.02	3.23	0.13	11.44	0.445	0	0	0	0	0	0	0	0
CC-MASJ126	7.25	0	0	3.79	3.46	0.22	16.35	0.477	0	0	0	0	0	0	0	0
CC-MASJ129	7.25	0	0	4.27	2.97	0.2	15.22	0.41	0	0	0	0	0	0	0	0
PO-900	7.25	0	0	3.25	3.99	0.48	27.64	0.55	0	0	0	0	0	0	0	0
CC-MASJ117	7.25	0	0	3.73	3.51	0.18	13.13	0.484	0	0	0	0	0	0	0	0
CC-J40	7.25	0	0	3.33	3.91	0.17	11.71	0.54	0	0	0	0	0	0	0	0
UT-137	7.25	0	0	3.95	3.3	0.52	29.27	0.455	0	0	0	0	0	0	0	0
UT-896	7.25	0	0	3.63	3.61	0.34	19.14	0.499	0	0	0	0	0	0	0	0
UT-910	7.25	0	0	4.82	2.42	0.51	37.4	0.334	0	0	0	0	0	0	0	0
PO-925_2	7.25	0	0	3.44	3.8	0.26	18.14	0.525	0	0	0	0	0	0	0	0
PO-2886_1	7.25	0	0	3.82	3.43	0.28	24.09	0.473	0	0	0	0	0	0	0	0
PO-2842	7.25	0	0	5.17	2.07	0.23	23.82	0.286	0	0	0	0	0	0	0	0
UT-971_1	7.25	0	0	3.8	3.45	0.58	28.61	0.476	0	0	0	0	0	0	0	0
UT-927	7.25	0	0	4.09	3.15	0.42	24.3	0.435	0	0	0	0	0	0	0	0
PO-946	7.25	0	0	4.91	2.34	0.5	41.09	0.323	0	0	0	0	0	0	0	0
UT-2724	7.25	0	0	3.91	3.34	0.71	45.6	0.461	0	0	0	0	0	0	0	0
PO-964_1	7.25	0	0	3.17	4.07	0.51	36.38	0.561	0	0	0	0	0	0	0	0
UT-968_1	7.25	0	0	4.11	3.13	0.52	33.56	0.432	0	0	0	0	0	0	0	0
UT-996	7.25	0	0	4.09	3.16	0.73	38.65	0.436	0	0	0	0	0	0	0	0
UT-971_2	7.25	0	0	4.11	3.14	0.4	20.53	0.433	0	0	0	0	0	0	0	0
PO-931	7.25	0	0	3.5	3.74	0.31	21.45	0.516	0	0	0	0	0	0	0	0
PO-950_1	7.25	0	0	3.88	3.37	0.36	29.08	0.465	0	0	0	0	0	0	0	0
UT-937	7.25	0	0	3.82	3.43	0.47	23.66	0.473	0	0	0	0	0	0	0	0
UT-921_2	7.25	0	0	4.1	3.15	0.29	20.77	0.435	0	0	0	0	0	0	0	0
UT-980	7.25	0	0	4.17	3.08	0.47	26.05	0.425	0	0	0	0	0	0	0	0
PO-975_1	7.25	0	0	5.02	2.23	0.71	39.24	0.307	0	0	0	0	0	0	0	0
CC-J955	7.25	0	0	4.49	2.76	0.39	27.03	0.381	0	0	0	0	0	0	0	0
UT-1023_1	7.25	0	0	3.44	3.8	0.57	30.51	0.524	0	0	0	0	0	0	0	0
UT-968_2	7.25	0	0	3.95	3.3	0.25	16.93	0.456	0	0	0	0	0	0	0	0
CC-J879_5	7.25	0	0	3.95	3.29	0.43	28.18	0.454	0	0	0	0	0	0	0	0
PO-950_2	7.25	0	0	3.89	3.36	0.48	37.58	0.464	0	0	0	0	0	0	0	0
UT-1023_2	7.25	0	0	3.71	3.53	0.56	29.04	0.487	0	0	0	0	0	0	0	0
CC-J908_2	7.25	0	0	3.81	3.43	0.46	33.19	0.473	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-40042417	7.25	0	0	4.39	2.85	3.26	120.73	0.394	0	0	0	0	0	0	0	0
UT-973_1	7.25	0	0	4.01	3.24	0.43	25.1	0.447	0	0	0	0	0	0	0	0
UT-973_2	7.25	0	0	4.1	3.15	0.29	17.5	0.435	0	0	0	0	0	0	0	0
PO-2886_2	7.25	0	0	3.78	3.47	0.78	54.7	0.479	0	0	0	0	0	0	0	0
PO-964_2	7.25	0	0	3.65	3.6	0.74	50.64	0.497	0	0	0	0	0	0	0	0
UT-959	7.25	0	0	4.09	3.16	0.62	33.42	0.436	0	0	0	0	0	0	0	0
UT-1023_3	7.25	0	0	3.92	3.33	0.62	37.98	0.46	0	0	0	0	0	0	0	0
PO-2989_1	7.25	0	0	5.34	1.91	0.3	36.43	0.263	0	0	0	0	0	0	0	0
CC-MASJ1021_1	7.25	0	0	3.89	3.36	0.21	14.49	0.464	0	0	0	0	0	0	0	0
PO-964_3	7.25	0	0	3.59	3.66	0.55	33.74	0.505	0	0	0	0	0	0	0	0
UT-2739	7.25	0	0	4.04	3.21	0.65	34.85	0.442	0	0	0	0	0	0	0	0
CC-J101	7.25	0	0	3.24	4	0.35	19.82	0.552	0	0	0	0	0	0	0	0
CC-J1043_1	7.25	0	0	3.88	3.37	1.28	74.04	0.465	0	0	0	0	0	0	0	0
CC-J110	7.25	0	0	3.83	3.42	0.24	19.71	0.472	0	0	0	0	0	0	0	0
UT-1004	7.25	0	0	3.96	3.29	0.79	52.22	0.454	0	0	0	0	0	0	0	0
PO-978	7.25	0	0	3.86	3.39	0.28	24.71	0.467	0	0	0	0	0	0	0	0
UT-1069	7.25	0	0	3.92	3.33	0.44	19.46	0.459	0	0	0	0	0	0	0	0
CC-J986	7.25	0	0	3.73	3.52	0.45	30.27	0.485	0	0	0	0	0	0	0	0
UT-1045_1	7.25	0	0	3.94	3.31	0.33	22.45	0.457	0	0	0	0	0	0	0	0
CC-MASJ1141	7.25	0	0	4.1	3.14	0.81	49.7	0.434	0	0	0	0	0	0	0	0
CC-MASJ1021_2	7.25	0	0	4.02	3.22	0.51	27.88	0.445	0	0	0	0	0	0	0	0
UT-988_2	7.25	0	0	3.9	3.35	0.31	23.63	0.462	0	0	0	0	0	0	0	0
CC-CibIntoCity	7.25	0	0	5.04	2.21	0.3	28.73	0.305	0	0	0	0	0	0	0	0
PO-1049_1	7.25	0	0	4.4	2.85	0.37	26.61	0.393	0	0	0	0	0	0	0	0
PO-975_2	7.25	0	0	6.1	1.15	0.07	7.98	0.158	0	0	0	0	0	0	0	0
CC-J1027_1	7.25	0	0	3.57	3.67	0.56	31.59	0.507	0	0	0	0	0	0	0	0
UT-1053_1	7.25	0	0	3.33	3.91	0.19	11.14	0.54	0	0	0	0	0	0	0	0
UT-2882_1	7.25	0	0	3.96	3.29	0.27	17.59	0.454	0	0	0	0	0	0	0	0
UT-1042417	7.25	0	0	4.01	3.24	0.95	49.67	0.447	0	0	0	0	0	0	0	0
CC-J1043_2	7.25	0	0	3.93	3.32	0.47	33.09	0.458	0	0	0	0	0	0	0	0
PO-2899_1	7.25	0	0	6	1.25	0.09	10.02	0.173	0	0	0	0	0	0	0	0
UT-2982_1	7.25	0	0	3.88	3.37	0.39	32.22	0.465	0	0	0	0	0	0	0	0
CC-J2913_1	7.25	0	0	5.44	1.81	0.22	30.94	0.25	0	0	0	0	0	0	0	0
UT-2751_1	7.25	0	0	3.84	3.4	0.41	22.43	0.469	0	0	0	0	0	0	0	0
PO-2989_2	7.25	0	0	3.85	3.4	0.16	14.26	0.469	0	0	0	0	0	0	0	0
UT-1053_2	7.25	0	0	3.7	3.55	0.39	24.14	0.489	0	0	0	0	0	0	0	0
PO-2793	7.25	0	0	5.37	1.88	0.25	31.35	0.259	0	0	0	0	0	0	0	0
CC-J994	7.25	0	0	3.58	3.66	0.63	33.59	0.505	0	0	0	0	0	0	0	0
CC-J1027_2	7.25	0	0	3.61	3.63	0.8	48.77	0.501	0	0	0	0	0	0	0	0
PO-975_3	7.25	0	0	5.28	1.97	0.16	17.51	0.272	0	0	0	0	0	0	0	0
UT-1047	7.25	0	0	4.14	3.11	0.25	21.23	0.428	0	0	0	0	0	0	0	0
UT-1037	7.25	0	0	4.96	2.28	1.12	49.12	0.315	0	0	0	0	0	0	0	0
UT-2812	7.25	0	0	3.96	3.29	0.2	11.45	0.454	0	0	0	0	0	0	0	0
UT-1033	7.25	0	0	3.82	3.43	0.63	35.62	0.473	0	0	0	0	0	0	0	0
UT-2966_1	7.25	0	0	4.44	2.81	0.34	15.49	0.387	0	0	0	0	0	0	0	0
PO-2899_2	7.25	0	0	5.28	1.97	0.17	14.93	0.272	0	0	0	0	0	0	0	0
PO-1049_2	7.25	0	0	3.42	3.82	0.77	52.92	0.528	0	0	0	0	0	0	0	0
CC-J2913_2	7.25	0	0	3.99	3.26	0.33	28.19	0.45	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-16042417_2	7.25	0	0	3.78	3.47	0.28	19.74	0.478	0	0	0	0	0	0	0	0
CC-J143	7.25	0	0	3.42	3.82	0.54	31.76	0.527	0	0	0	0	0	0	0	0
PO-1031	7.25	0	0	3.61	3.64	0.44	35.27	0.502	0	0	0	0	0	0	0	0
CC-J1085	7.25	0	0	3.95	3.3	0.42	25.78	0.456	0	0	0	0	0	0	0	0
PO-1049_3	7.25	0	0	3.52	3.73	0.34	27.82	0.514	0	0	0	0	0	0	0	0
UT-1000	7.25	0	0	3.97	3.28	0.39	25.31	0.453	0	0	0	0	0	0	0	0
CC-J1093	7.25	0	0	3.72	3.53	0.69	40.87	0.487	0	0	0	0	0	0	0	0
UT-2982_2	7.25	0	0	4.14	3.11	0.16	14.45	0.429	0	0	0	0	0	0	0	0
UT-1102_1	7.25	0	0	3.96	3.29	0.44	28.67	0.454	0	0	0	0	0	0	0	0
PO-1110_1	7.25	0	0	5.56	1.69	0.24	25.57	0.234	0	0	0	0	0	0	0	0
CC-J85	7.25	0	0	4.18	3.07	0.57	50.39	0.423	0	0	0	0	0	0	0	0
CC-J1043_3	7.25	0	0	3.89	3.36	0.38	29.73	0.463	0	0	0	0	0	0	0	0
CC-J1083	7.25	0	0	3.68	3.57	0.57	37.96	0.492	0	0	0	0	0	0	0	0
UT-1117	7.25	0	0	4.14	3.11	0.44	33.76	0.428	0	0	0	0	0	0	0	0
UT-1045_2	7.25	0	0	3.91	3.34	0.33	24.7	0.461	0	0	0	0	0	0	0	0
PO-1049_4	7.25	0	0	3.66	3.59	0.35	25.68	0.495	0	0	0	0	0	0	0	0
CC-J2913_3	7.25	0	0	4.99	2.26	0.15	17.25	0.312	0	0	0	0	0	0	0	0
CC-J2936	7.25	0	0	3.83	3.42	0.26	24.53	0.471	0	0	0	0	0	0	0	0
UT-1100	7.25	0	0	4.1	3.15	0.3	14.01	0.434	0	0	0	0	0	0	0	0
UT-1095	7.25	0	0	3.95	3.3	0.46	29.18	0.455	0	0	0	0	0	0	0	0
UT-1133	7.25	0	0	3.75	3.5	0.19	12.21	0.482	0	0	0	0	0	0	0	0
UT-1149	7.25	0	0	4.02	3.23	0.33	18.73	0.445	0	0	0	0	0	0	0	0
CC-J1138_1	7.25	0	0	3.76	3.48	0.44	37.91	0.48	0	0	0	0	0	0	0	0
CC-J1190_1	7.25	0	0	3.59	3.66	0.52	32.72	0.505	0	0	0	0	0	0	0	0
UT-1102_2	7.25	0	0	4.16	3.09	0.45	26.1	0.427	0	0	0	0	0	0	0	0
CC-J2	7.25	0	0	4.86	2.39	0.71	64.1	0.33	0	0	0	0	0	0	0	0
PO-2899_3	7.25	0	0	5.57	1.68	0.07	10.86	0.231	0	0	0	0	0	0	0	0
UT-2882_2	7.25	0	0	4.14	3.11	0.39	32.63	0.429	0	0	0	0	0	0	0	0
PO-1192_1	7.25	0	0	3.66	3.59	0.53	42.19	0.495	0	0	0	0	0	0	0	0
PO-1121	7.25	0	0	3.84	3.41	0.59	40.87	0.47	0	0	0	0	0	0	0	0
PO-1110_2	7.25	0	0	4.1	3.15	0.57	46.88	0.434	0	0	0	0	0	0	0	0
CC-J113_1	7.25	0	0	3.5	3.75	0.56	38.32	0.517	0	0	0	0	0	0	0	0
PO-1192_2	7.25	0	0	4.14	3.11	0.46	25.88	0.429	0	0	0	0	0	0	0	0
PO-1110_3	7.25	0	0	5.13	2.12	0.65	46.77	0.292	0	0	0	0	0	0	0	0
PO-1192_3	7.25	0	0	3.96	3.29	0.53	36.5	0.453	0	0	0	0	0	0	0	0
CC-J1143	7.25	0	0	3.88	3.37	0.54	45.07	0.465	0	0	0	0	0	0	0	0
CC-J1163_1	7.25	0	0	3.72	3.53	0.56	33.72	0.487	0	0	0	0	0	0	0	0
UT-2954_1	7.25	0	0	3.91	3.34	0.7	51.59	0.461	0	0	0	0	0	0	0	0
UT-8042417	7.25	0	0	3.69	3.56	0.79	35.32	0.491	0	0	0	0	0	0	0	0
PO-1110_4	7.25	0	0	5.71	1.54	0.15	20.49	0.213	0	0	0	0	0	0	0	0
CC-J1151	7.25	0	0	3.23	4.01	0.39	26.96	0.553	0	0	0	0	0	0	0	0
UT-1197	7.25	0	0	4	3.25	0.77	45.93	0.448	0	0	0	0	0	0	0	0
UT-2751_2	7.25	0	0	3.35	3.89	0.43	30.86	0.537	0	0	0	0	0	0	0	0
UT-2954_2	7.25	0	0	4.09	3.16	0.17	15.24	0.436	0	0	0	0	0	0	0	0
UT-1185	7.25	0	0	4	3.25	0.45	35.37	0.449	0	0	0	0	0	0	0	0
PO-1104_1	7.25	0	0	4.88	2.37	0.26	29.49	0.327	0	0	0	0	0	0	0	0
CC-J141	7.25	0	0	3.49	3.75	0.33	23.35	0.518	0	0	0	0	0	0	0	0
CC-J113_2	7.25	0	0	3.74	3.51	0.28	20.1	0.485	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2798	7.25	0	0	3.82	3.43	0.52	43.39	0.473	0	0	0	0	0	0	0	0
UT-3042417_1	7.25	0	0	3.96	3.28	0.37	22.66	0.453	0	0	0	0	0	0	0	0
CC-J1168	7.25	0	0	4.67	2.57	0.51	18.53	0.354	0	0	0	0	0	0	0	0
BC-1203_1	7.25	0	0	3.94	3.31	0.57	39.4	0.457	0	0	0	0	0	0	0	0
UT-6042417_1	7.25	0	0	4	3.25	0.75	41.29	0.449	0	0	0	0	0	0	0	0
PO-1153	7.25	0	0	6.09	1.16	0.29	28.29	0.16	0	0	0	0	0	0	0	0
UT-1178_1	7.25	0	0	3.86	3.39	0.1	8.68	0.468	0	0	0	0	0	0	0	0
UT-1178_2	7.25	0	0	3.93	3.32	0.25	19.84	0.458	0	0	0	0	0	0	0	0
CC-J1138_2	7.25	0	0	4.72	2.53	0.5	40.47	0.349	0	0	0	0	0	0	0	0
UT-1155	7.25	0	0	3.9	3.35	0.22	16.55	0.462	0	0	0	0	0	0	0	0
CC-J1157_1	7.25	0	0	3.99	3.26	0.24	14.89	0.45	0	0	0	0	0	0	0	0
UT-1161	7.25	0	0	3.87	3.38	0.19	10.96	0.466	0	0	0	0	0	0	0	0
UT-1178_3	7.25	0	0	3.97	3.28	0.4	26.08	0.453	0	0	0	0	0	0	0	0
CC-J1163_2	7.25	0	0	3.42	3.82	0.58	46.33	0.527	0	0	0	0	0	0	0	0
UT-4042417_1	7.25	0	0	3.52	3.73	0.33	19.38	0.514	0	0	0	0	0	0	0	0
UT-1227_1	7.25	0	0	4.71	2.54	0.26	18.18	0.35	0	0	0	0	0	0	0	0
UT-1240_1	7.25	0	0	4.09	3.16	0.73	51.02	0.436	0	0	0	0	0	0	0	0
UT-4042417_2	7.25	0	0	3.73	3.51	0.67	32.92	0.485	0	0	0	0	0	0	0	0
UT-1240_2	7.25	0	0	4.22	3.03	0.37	19.37	0.418	0	0	0	0	0	0	0	0
CC-J1190_2	7.25	0	0	4.14	3.11	0.62	45.1	0.429	0	0	0	0	0	0	0	0
PO-1192_4	7.25	0	0	3.42	3.83	0.28	18.5	0.528	0	0	0	0	0	0	0	0
CC-J1182	7.25	0	0	3.95	3.3	0.33	20.62	0.455	0	0	0	0	0	0	0	0
PO-23	7.25	0	0	3.33	3.92	0.48	33.07	0.54	0	0	0	0	0	0	0	0
BC-1245_1	7.25	0	0	3.89	3.36	0.71	42.47	0.463	0	0	0	0	0	0	0	0
CC-J115	7.25	0	0	3.5	3.75	0.43	25.5	0.517	0	0	0	0	0	0	0	0
PO-1104_2	7.25	0	0	5.42	1.83	0.27	34.07	0.252	0	0	0	0	0	0	0	0
BC-2736	7.25	0	0	3.88	3.37	0.5	41.06	0.465	0	0	0	0	0	0	0	0
CC-J1138_3	7.25	0	0	4.09	3.15	0.35	27.95	0.434	0	0	0	0	0	0	0	0
BC-1289_1	7.25	0	0	4.99	2.26	0.17	13.29	0.312	0	0	0	0	0	0	0	0
PO-1234_1	7.25	0	0	3.53	3.71	0.58	42.38	0.512	0	0	0	0	0	0	0	0
UT-2919_1	7.25	0	0	3.97	3.28	0.58	37.34	0.453	0	0	0	0	0	0	0	0
UT-3042417_2	7.25	0	0	3.83	3.42	0.24	20.4	0.472	0	0	0	0	0	0	0	0
CC-J2905	7.25	0	0	3.9	3.35	0.28	25.05	0.463	0	0	0	0	0	0	0	0
CC-J2789_1	7.25	0	0	3.65	3.6	0.19	15.45	0.496	0	0	0	0	0	0	0	0
UT-6042417_2	7.25	0	0	3.2	4.04	0.32	18.39	0.557	0	0	0	0	0	0	0	0
UT-1212	7.25	0	0	3.9	3.35	0.64	41.12	0.462	0	0	0	0	0	0	0	0
CC-J1157_2	7.25	0	0	3.68	3.56	0.44	20.48	0.491	0	0	0	0	0	0	0	0
CC-J1190_3	7.25	0	0	5.11	2.14	0.26	29.32	0.295	0	0	0	0	0	0	0	0
CC-J1287_1	7.25	0	0	3.84	3.41	0.48	36.47	0.47	0	0	0	0	0	0	0	0
BC-1289_2	7.25	0	0	4.23	3.01	0.21	12.17	0.416	0	0	0	0	0	0	0	0
UT-1227_2	7.25	0	0	3.69	3.56	0.25	18.3	0.491	0	0	0	0	0	0	0	0
UT-2966_2	7.25	0	0	3.67	3.58	0.37	20.89	0.494	0	0	0	0	0	0	0	0
BC-1203_2	7.25	0	0	5.25	2	0.61	41.85	0.276	0	0	0	0	0	0	0	0
CC-J1271_1	7.25	0	0	3.77	3.47	0.53	41.58	0.479	0	0	0	0	0	0	0	0
PO-1223_1	7.25	0	0	5.78	1.47	0.2	18.25	0.202	0	0	0	0	0	0	0	0
BC-66_1	7.25	0	0	3.58	3.66	0.58	32.35	0.505	0	0	0	0	0	0	0	0
PO-1234_2	7.25	0	0	4.34	2.91	0.28	21.38	0.401	0	0	0	0	0	0	0	0
BC-1289_3	7.25	0	0	4.88	2.37	0.14	11.13	0.327	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1271_2	7.25	0	0	3.94	3.31	0.23	17.37	0.456	0	0	0	0	0	0	0	0
UT-1269_1	7.25	0	0	3.98	3.27	0.45	32.87	0.451	0	0	0	0	0	0	0	0
UT-1301_1	7.25	0	0	4.07	3.18	0.43	30.92	0.438	0	0	0	0	0	0	0	0
BC-1245_2	7.25	0	0	3.6	3.64	0.48	28.59	0.503	0	0	0	0	0	0	0	0
PO-1234_3	7.25	0	0	3.91	3.34	0.66	35.96	0.461	0	0	0	0	0	0	0	0
BC-1289_4	7.25	0	0	4.36	2.88	0.38	22.9	0.397	0	0	0	0	0	0	0	0
UT-7042417_1	7.25	0	0	4.14	3.11	0.26	13.96	0.429	0	0	0	0	0	0	0	0
UT-1227_3	7.25	0	0	3.66	3.58	0.84	49.09	0.494	0	0	0	0	0	0	0	0
PO-1297_1	7.25	0	0	5.28	1.97	0.26	23.36	0.271	0	0	0	0	0	0	0	0
BC-1238	7.25	0	0	3.98	3.27	0.53	33.05	0.451	0	0	0	0	0	0	0	0
BC-1259	7.25	0	0	4.72	2.53	0.26	13.64	0.348	0	0	0	0	0	0	0	0
BC-1242	7.25	0	0	4.06	3.18	0.27	17.34	0.439	0	0	0	0	0	0	0	0
UT-1232	7.25	0	0	4.15	3.1	0.29	23.41	0.428	0	0	0	0	0	0	0	0
CC-J1350_1	7.25	0	0	4.25	3	0.54	44.35	0.414	0	0	0	0	0	0	0	0
PO-1223_2	7.25	0	0	5.59	1.66	0.28	26.96	0.229	0	0	0	0	0	0	0	0
CC-J1287_2	7.25	0	0	3.88	3.37	0.36	24.75	0.464	0	0	0	0	0	0	0	0
CC-J2789_2	7.25	0	0	4.23	3.02	0.09	9.39	0.417	0	0	0	0	0	0	0	0
PO-1295	7.25	0	0	4.31	2.93	0.38	21.24	0.404	0	0	0	0	0	0	0	0
CC-J1255	7.25	0	0	4.8	2.45	0.42	47.73	0.339	0	0	0	0	0	0	0	0
UT-1269_2	7.25	0	0	3.84	3.4	0.34	20.16	0.469	0	0	0	0	0	0	0	0
UT-6042417_3	7.25	0	0	3.61	3.63	0.35	18.64	0.501	0	0	0	0	0	0	0	0
BC-48	7.25	0	0	3.94	3.31	0.23	15.59	0.457	0	0	0	0	0	0	0	0
BC-66_2	7.25	0	0	2.99	4.25	0.3	21.35	0.586	0	0	0	0	0	0	0	0
PO-1299_1	7.25	0	0	5.88	1.37	0.34	23.85	0.189	0	0	0	0	0	0	0	0
UT-2990_1	7.25	0	0	4	3.25	0.85	60.13	0.448	0	0	0	0	0	0	0	0
UT-2919_2	7.25	0	0	4.83	2.42	0.58	46.05	0.333	0	0	0	0	0	0	0	0
CC-J2790_1	7.25	0	0	4.59	2.66	0.13	14.98	0.367	0	0	0	0	0	0	0	0
BC-1249	7.25	0	0	3.61	3.64	0.32	20.13	0.502	0	0	0	0	0	0	0	0
UT-1279	7.25	0	0	5.03	2.22	0.18	22.28	0.306	0	0	0	0	0	0	0	0
UT-10042417	7.25	0	0	3.61	3.62	1.26	47.03	0.5	0	0	0	0	0	0	0	0
CC-J2790_2	7.25	0	0	4.63	2.62	0.39	33	0.362	0	0	0	0	0	0	0	0
UT-11042417_1	7.25	0	0	3.57	3.68	1.23	58.48	0.507	0	0	0	0	0	0	0	0
BC-1289_5	7.25	0	0	4.66	2.59	0.31	22.42	0.357	0	0	0	0	0	0	0	0
BC-1305_1	7.25	0	0	4.32	2.92	0.44	38.66	0.403	0	0	0	0	0	0	0	0
CC-J3026	7.25	0	0	4.94	2.3	0.43	43.94	0.318	0	0	0	0	0	0	0	0
UT-2707_1	7.25	0	0	5.14	2.11	0.1	11.73	0.291	0	0	0	0	0	0	0	0
BC-1305_2	7.25	0	0	4.11	3.12	0.32	22.16	0.431	0	0	0	0	0	0	0	0
CC-J1287_3	7.25	0	0	5.09	2.15	0.34	36.27	0.297	0	0	0	0	0	0	0	0
PO-1297_2	7.25	0	0	5.76	1.49	0.24	26.67	0.206	0	0	0	0	0	0	0	0
BC-66_3	7.25	0	0	3.15	4.09	0.24	14.85	0.564	0	0	0	0	0	0	0	0
BC-49	7.25	0	0	3.89	3.36	0.43	26.86	0.463	0	0	0	0	0	0	0	0
BC-1293	7.25	0	0	4.22	3.03	0.27	19.43	0.417	0	0	0	0	0	0	0	0
UT-7042417_2	7.25	0	0	3.69	3.55	0.49	33.11	0.49	0	0	0	0	0	0	0	0
CC-J2965_1	7.25	0	0	5.09	2.16	0.23	20.04	0.297	0	0	0	0	0	0	0	0
CC-J2965_2	7.25	0	0	4.98	2.26	0.38	25.85	0.311	0	0	0	0	0	0	0	0
UT-2707_2	7.25	0	0	5.08	2.17	0.2	23.86	0.299	0	0	0	0	0	0	0	0
BC-72	7.25	0	0	3.44	3.81	0.58	43.96	0.525	0	0	0	0	0	0	0	0
PO-1346_1	7.25	0	0	4.66	2.59	0.41	31.87	0.358	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J127_1	7.25	0	0	4	3.25	0.46	27	0.448	0	0	0	0	0	0	0	0
UT-1283	7.25	0	0	4.37	2.88	0.28	22.82	0.397	0	0	0	0	0	0	0	0
PO-1285	7.25	0	0	4.01	3.23	0.41	27.93	0.446	0	0	0	0	0	0	0	0
BC-1358	7.25	0	0	4.03	3.22	0.42	27.2	0.444	0	0	0	0	0	0	0	0
CC-J127_2	7.25	0	0	4.11	3.14	0.25	11.62	0.433	0	0	0	0	0	0	0	0
UT-2990_2	7.25	0	0	4.37	2.88	0.2	18.85	0.397	0	0	0	0	0	0	0	0
BC-73_1	7.25	0	0	3.89	3.36	0.43	32.36	0.463	0	0	0	0	0	0	0	0
CC-J127_3	7.25	0	0	4.03	3.22	0.64	35.94	0.445	0	0	0	0	0	0	0	0
CC-J80_1	7.25	0	0	3.83	3.41	0.3	13.36	0.471	0	0	0	0	0	0	0	0
PO-1299_2	7.25	0	0	5.59	1.66	0.16	15.77	0.229	0	0	0	0	0	0	0	0
CC-J127_4	7.25	0	0	3.95	3.3	0.31	14.99	0.455	0	0	0	0	0	0	0	0
CC-J80_2	7.25	0	0	3.83	3.42	0.71	45.5	0.472	0	0	0	0	0	0	0	0
BC-1318	7.25	0	0	3.97	3.28	0.2	12.82	0.453	0	0	0	0	0	0	0	0
CC-J80_3	7.25	0	0	3.73	3.51	0.92	51.82	0.485	0	0	0	0	0	0	0	0
CC-J1291	7.25	0	0	4.54	2.71	0.28	22.59	0.373	0	0	0	0	0	0	0	0
BC-1354_1	7.25	0	0	5.03	2.22	0.39	32.13	0.306	0	0	0	0	0	0	0	0
BC-1336	7.25	0	0	4.67	2.58	0.51	35.56	0.357	0	0	0	0	0	0	0	0
BC-73_2	7.25	0	0	3.27	3.98	0.45	32.81	0.548	0	0	0	0	0	0	0	0
UT-1301_2	7.25	0	0	4.79	2.46	0.38	27.45	0.34	0	0	0	0	0	0	0	0
BC-1307	7.25	0	0	4.14	3.1	0.38	29.09	0.428	0	0	0	0	0	0	0	0
BC-1392_1	7.25	0	0	4.61	2.63	0.52	38.54	0.363	0	0	0	0	0	0	0	0
UT-2902	7.25	0	0	4.72	2.53	0.87	67.67	0.349	0	0	0	0	0	0	0	0
PO-1316	7.25	0	0	5.57	1.68	0.23	23	0.232	0	0	0	0	0	0	0	0
CC-J1406	7.25	0	0	5.58	1.67	0.26	29.75	0.231	0	0	0	0	0	0	0	0
BC-1332	7.25	0	0	4.57	2.67	0.22	22.79	0.369	0	0	0	0	0	0	0	0
CC-J127_5	7.25	0	0	3.76	3.49	0.52	25.5	0.481	0	0	0	0	0	0	0	0
UT-14042417_1	7.25	0	0	4.05	3.2	0.57	29.47	0.441	0	0	0	0	0	0	0	0
BC-1377_1	7.25	0	0	5	2.24	0.76	50.25	0.309	0	0	0	0	0	0	0	0
PO-1346_2	7.25	0	0	4.17	3.08	0.25	19.56	0.425	0	0	0	0	0	0	0	0
UT-14042417_2	7.25	0	0	3.89	3.36	0.25	19.48	0.463	0	0	0	0	0	0	0	0
PO-1364	7.25	0	0	5.47	1.78	0.12	13.77	0.245	0	0	0	0	0	0	0	0
UT-1403	7.25	0	0	4.91	2.34	0.63	32.7	0.322	0	0	0	0	0	0	0	0
BC-1396	7.25	0	0	4.32	2.92	0.36	26.68	0.402	0	0	0	0	0	0	0	0
CC-J1350_2	7.25	0	0	4.64	2.59	0.33	21.83	0.358	0	0	0	0	0	0	0	0
CC-J1344	7.25	0	0	5.8	1.45	0.19	20.55	0.2	0	0	0	0	0	0	0	0
BC-1420	7.25	0	0	4.69	2.55	0.55	47.82	0.352	0	0	0	0	0	0	0	0
CC-J127_6	7.25	0	0	3.67	3.58	0.42	25.35	0.494	0	0	0	0	0	0	0	0
BC-7	7.25	0	0	4.64	2.61	0.19	15.63	0.359	0	0	0	0	0	0	0	0
CC-J82	7.25	0	0	3.8	3.45	1	64.41	0.476	0	0	0	0	0	0	0	0
BC-1385_1	7.25	0	0	3.56	3.69	0.55	40.52	0.509	0	0	0	0	0	0	0	0
UT-13042417_1	7.25	0	0	4.9	2.35	0.72	49.15	0.324	0	0	0	0	0	0	0	0
UT-11042417_2	7.25	0	0	3.89	3.35	0.27	15.13	0.463	0	0	0	0	0	0	0	0
BC-1354_2	7.25	0	0	4.85	2.39	0.4	44.01	0.33	0	0	0	0	0	0	0	0
PO-2722	7.25	0	0	5.74	1.51	0.33	30.11	0.209	0	0	0	0	0	0	0	0
BC-1309	7.25	0	0	4.42	2.83	0.3	22.64	0.39	0	0	0	0	0	0	0	0
PO-1371	7.25	0	0	5.24	2.01	0.51	50.01	0.278	0	0	0	0	0	0	0	0
UT-1398_1	7.25	0	0	4.12	3.14	0.29	23.96	0.432	0	0	0	0	0	0	0	0
CC-J1426_1	7.25	0	0	4.44	2.8	0.45	27.76	0.386	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1362	7.25	0	0	4.84	2.4	0.26	17.47	0.331	0	0	0	0	0	0	0	0
UT-11042417_3	7.25	0	0	3.28	3.96	0.37	17.48	0.546	0	0	0	0	0	0	0	0
BC-5	7.25	0	0	5.39	1.86	0.19	24.47	0.256	0	0	0	0	0	0	0	0
CC-J1435	7.25	0	0	5.97	1.29	0.3	34.46	0.177	0	0	0	0	0	0	0	0
BC-1377_2	7.25	0	0	5.94	1.31	0.14	19.45	0.18	0	0	0	0	0	0	0	0
BC-1428_1	7.25	0	0	5.31	1.93	0.21	15.35	0.267	0	0	0	0	0	0	0	0
BC-2934	7.25	0	0	5.03	2.22	0.25	25.79	0.306	0	0	0	0	0	0	0	0
BC-1430	7.25	0	0	5.06	2.19	0.19	20.57	0.301	0	0	0	0	0	0	0	0
UT-1369_1	7.25	0	0	3.81	3.44	0.31	16.23	0.474	0	0	0	0	0	0	0	0
UT-1369_2	7.25	0	0	3.51	3.74	0.31	18.67	0.515	0	0	0	0	0	0	0	0
UT-1398_2	7.25	0	0	3.75	3.49	0.88	38.28	0.482	0	0	0	0	0	0	0	0
CC-J127_7	7.25	0	0	3.8	3.44	1.26	45.8	0.475	0	0	0	0	0	0	0	0
PO-21	7.25	0	0	5.23	2.02	0.14	12.53	0.278	0	0	0	0	0	0	0	0
BC-1390	7.25	0	0	3.97	3.28	0.31	19.51	0.452	0	0	0	0	0	0	0	0
PO-1480_1	7.25	0	0	5.55	1.7	0.27	22.82	0.235	0	0	0	0	0	0	0	0
UT-13042417_2	7.25	0	0	4.3	2.95	0.25	20.24	0.406	0	0	0	0	0	0	0	0
BC-1392_2	7.25	0	0	3.35	3.89	0.13	10.36	0.536	0	0	0	0	0	0	0	0
UT-11042417_4	7.25	0	0	4.38	2.87	0.29	24.76	0.396	0	0	0	0	0	0	0	0
BC-3024_1	7.25	0	0	6.1	1.16	0.07	12.14	0.16	0	0	0	0	0	0	0	0
PO-1480_2	7.25	0	0	5.41	1.83	0.45	47.07	0.253	0	0	0	0	0	0	0	0
BC-2795	7.25	0	0	5.02	2.23	0.38	33.79	0.307	0	0	0	0	0	0	0	0
CC-J80_4	7.25	0	0	3.42	3.83	0.45	31.28	0.528	0	0	0	0	0	0	0	0
BC-1482	7.25	0	0	5.75	1.5	0.13	16.35	0.207	0	0	0	0	0	0	0	0
BC-1475_1	7.25	0	0	4.65	2.6	0.28	25.93	0.358	0	0	0	0	0	0	0	0
BC-1392_3	7.25	0	0	4.53	2.71	0.38	27.13	0.374	0	0	0	0	0	0	0	0
PO-1446_1	7.25	0	0	4.65	2.59	0.67	44.22	0.358	0	0	0	0	0	0	0	0
UT-84_1	7.25	0	0	5.02	2.23	0.16	12.71	0.307	0	0	0	0	0	0	0	0
BC-1463	7.25	0	0	4.97	2.27	0.55	38.45	0.313	0	0	0	0	0	0	0	0
UT-41042417_1	7.25	0	0	4.15	3.09	0.25	22.94	0.426	0	0	0	0	0	0	0	0
BC-1428_2	7.25	0	0	4.44	2.8	0.22	16.84	0.386	0	0	0	0	0	0	0	0
CC-J1426_2	7.25	0	0	4.52	2.73	0.18	15.23	0.376	0	0	0	0	0	0	0	0
CC-MASJ1365_2	7.25	0	0	4.32	2.93	0.21	16.92	0.405	0	0	0	0	0	0	0	0
BC-2706	7.25	0	0	5.95	1.3	0.16	21.41	0.18	0	0	0	0	0	0	0	0
BC-1432	7.25	0	0	4.82	2.43	0.25	21.09	0.335	0	0	0	0	0	0	0	0
BC-3024_2	7.25	0	0	6.1	1.15	0.12	15.94	0.159	0	0	0	0	0	0	0	0
UT-123	7.25	0	0	3.95	3.3	0.39	28.77	0.455	0	0	0	0	0	0	0	0
CC-J1422	7.25	0	0	5.67	1.58	0.05	7.36	0.218	0	0	0	0	0	0	0	0
PO-1480_3	7.25	0	0	5.56	1.68	0.18	19.52	0.232	0	0	0	0	0	0	0	0
BC-1478_1	7.25	0	0	6.17	1.08	0.12	17.31	0.149	0	0	0	0	0	0	0	0
BC-1469_1	7.25	0	0	5.91	1.34	0.22	22.97	0.185	0	0	0	0	0	0	0	0
BC-1478_2	7.25	0	0	6.31	0.94	0.18	23.78	0.129	0	0	0	0	0	0	0	0
CC-J1426_3	7.25	0	0	5.73	1.52	0.18	21.05	0.209	0	0	0	0	0	0	0	0
BC-1475_2	7.25	0	0	5.25	2	0.16	18.13	0.275	0	0	0	0	0	0	0	0
UT-131	7.25	0	0	3.82	3.42	0.86	48.38	0.472	0	0	0	0	0	0	0	0
BC-1465_1	7.25	0	0	5.52	1.73	0.34	32.39	0.238	0	0	0	0	0	0	0	0
BC-2732_1	7.25	0	0	5.15	2.1	0.16	18.92	0.289	0	0	0	0	0	0	0	0
BC-1504	7.25	0	0	5.61	1.64	0.13	13.57	0.226	0	0	0	0	0	0	0	0
BC-2732_2	7.25	0	0	5.2	2.05	0.2	22.7	0.283	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J124_1	7.25	0	0	3.78	3.46	1.27	77.75	0.478	0	0	0	0	0	0	0	0
CC-J80_5	7.25	0	0	3.9	3.35	0.36	20.4	0.462	0	0	0	0	0	0	0	0
PO-1480_4	7.25	0	0	5.56	1.69	0.24	21.09	0.233	0	0	0	0	0	0	0	0
UT-2740_1	7.25	0	0	4.13	3.12	0.47	20.68	0.43	0	0	0	0	0	0	0	0
PO-1510_1	7.25	0	0	6.04	1.21	0.39	29.08	0.167	0	0	0	0	0	0	0	0
UT-1484_1	7.25	0	0	3.92	3.33	0.42	29.68	0.459	0	0	0	0	0	0	0	0
BC-30	7.25	0	0	5.61	1.64	0.14	16.31	0.226	0	0	0	0	0	0	0	0
UT-1484_2	7.25	0	0	4.01	3.24	0.25	14.18	0.446	0	0	0	0	0	0	0	0
BC-1475_3	7.25	0	0	4.98	2.26	0.33	26.43	0.312	0	0	0	0	0	0	0	0
BC-1469_2	7.25	0	0	5.76	1.49	0.1	13.35	0.206	0	0	0	0	0	0	0	0
CC-J3025_1	7.25	0	0	5.82	1.43	0.31	37.05	0.198	0	0	0	0	0	0	0	0
UT-84_2	7.25	0	0	5.51	1.74	0.49	42.65	0.24	0	0	0	0	0	0	0	0
CC-J1452	7.25	0	0	5.83	1.42	0.18	22.91	0.197	0	0	0	0	0	0	0	0
UT-41042417_2	7.25	0	0	3.95	3.3	0.59	32.24	0.455	0	0	0	0	0	0	0	0
PO-1446_2	7.25	0	0	5.4	1.85	0.2	22.17	0.255	0	0	0	0	0	0	0	0
UT-12042417	7.25	0	0	4.4	2.85	0.5	42.15	0.392	0	0	0	0	0	0	0	0
BC-2732_3	7.25	0	0	6.1	1.15	0.09	13.33	0.159	0	0	0	0	0	0	0	0
BC-1469_3	7.25	0	0	5.68	1.57	0.13	16.77	0.217	0	0	0	0	0	0	0	0
PO-1500	7.25	0	0	4.18	3.07	0.49	42.4	0.423	0	0	0	0	0	0	0	0
PO-1454	7.25	0	0	5.69	1.56	0.39	44.22	0.216	0	0	0	0	0	0	0	0
UT-18042417	7.25	0	0	4.16	3.09	0.21	15.3	0.426	0	0	0	0	0	0	0	0
CC-J124_2	7.25	0	0	3.44	3.8	0.38	21.65	0.525	0	0	0	0	0	0	0	0
BC-31	7.25	0	0	5.37	1.88	0.55	43.27	0.259	0	0	0	0	0	0	0	0
UT-19042417_1	7.25	0	0	4.44	2.8	0.41	31.09	0.387	0	0	0	0	0	0	0	0
BC-1465_2	7.25	0	0	4.99	2.25	0.21	15.03	0.31	0	0	0	0	0	0	0	0
UT-2740_2	7.25	0	0	3.95	3.3	0.6	39.08	0.455	0	0	0	0	0	0	0	0
BC-2723_1	7.25	0	0	5.81	1.44	0.19	21.85	0.199	0	0	0	0	0	0	0	0
CC-J2907	7.25	0	0	4.06	3.19	0.46	26.03	0.44	0	0	0	0	0	0	0	0
UT-1484_3	7.25	0	0	3.94	3.31	0.27	18.65	0.456	0	0	0	0	0	0	0	0
UT-19042417_2	7.25	0	0	4.63	2.61	0.93	69.28	0.361	0	0	0	0	0	0	0	0
BC-2781	7.25	0	0	6	1.25	0.25	33.65	0.172	0	0	0	0	0	0	0	0
BC-2732_4	7.25	0	0	5.7	1.55	0.04	5.76	0.214	0	0	0	0	0	0	0	0
CC-J124_3	7.25	0	0	3.52	3.73	0.42	29.26	0.515	0	0	0	0	0	0	0	0
BC-2723_2	7.25	0	0	5.71	1.54	0.14	17.76	0.213	0	0	0	0	0	0	0	0
CC-J1544_1	7.25	0	0	3.87	3.38	0.48	28	0.466	0	0	0	0	0	0	0	0
CC-J1544_2	7.25	0	0	3.94	3.31	0.27	18.41	0.457	0	0	0	0	0	0	0	0
BC-2937	7.25	0	0	5.3	1.95	0.32	28.87	0.269	0	0	0	0	0	0	0	0
BC-3023	7.25	0	0	5.87	1.38	0.2	26.54	0.191	0	0	0	0	0	0	0	0
BC-1538_1	7.25	0	0	5.66	1.59	0.13	16.86	0.219	0	0	0	0	0	0	0	0
PO-3004_1	7.25	0	0	5.1	2.15	0.38	42	0.297	0	0	0	0	0	0	0	0
CC-J1536_1	7.25	0	0	5.85	1.41	0.13	16.05	0.194	0	0	0	0	0	0	0	0
PO-1553	7.25	0	0	5.8	1.45	0.29	27.79	0.2	0	0	0	0	0	0	0	0
CC-J1527	7.25	0	0	3.62	3.63	0.35	24.15	0.5	0	0	0	0	0	0	0	0
CC-J1584_1	7.25	0	0	3.17	4.07	0.42	26.88	0.562	0	0	0	0	0	0	0	0
BC-1525	7.25	0	0	5.96	1.29	0.23	23.93	0.179	0	0	0	0	0	0	0	0
CC-J2699_1	7.25	0	0	4.01	3.24	0.5	32.76	0.448	0	0	0	0	0	0	0	0
BC-1590_1	7.25	0	0	5.14	2.1	0.37	31.64	0.29	0	0	0	0	0	0	0	0
CC-J1536_2	7.25	0	0	5.88	1.37	0.11	12.66	0.19	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-2740_3	7.25	0	0	3.91	3.34	0.26	19.12	0.461	0	0	0	0	0	0	0	0
UT-20042417_1	7.25	0	0	5.39	1.86	0.53	38.5	0.257	0	0	0	0	0	0	0	0
UT-19042417_3	7.25	0	0	4.43	2.82	0.19	14.53	0.388	0	0	0	0	0	0	0	0
CC-J3025_2	7.25	0	0	6.52	0.72	0.1	9.13	0.1	0	0	0	0	0	0	0	0
BC-1538_2	7.25	0	0	5.89	1.36	0.33	36.3	0.188	0	0	0	0	0	0	0	0
CC-J1584_2	7.25	0	0	3.78	3.47	0.26	18.22	0.478	0	0	0	0	0	0	0	0
UT-20042417_2	7.25	0	0	4.88	2.37	0.22	22.22	0.327	0	0	0	0	0	0	0	0
BC-1560	7.25	0	0	4.88	2.37	0.27	24.03	0.326	0	0	0	0	0	0	0	0
PO-1510_2	7.25	0	0	5.58	1.67	0.4	29.6	0.23	0	0	0	0	0	0	0	0
CC-J2699_2	7.25	0	0	3.37	3.87	0.46	30.02	0.534	0	0	0	0	0	0	0	0
CC-J1584_3	7.25	0	0	3.17	4.07	0.51	26.8	0.562	0	0	0	0	0	0	0	0
CC-J1601	7.25	0	0	3.7	3.55	0.51	31.93	0.49	0	0	0	0	0	0	0	0
BC-1571_1	7.25	0	0	5.74	1.51	0.15	17.89	0.208	0	0	0	0	0	0	0	0
BC-1567_1	7.25	0	0	5.4	1.85	0.23	25.93	0.256	0	0	0	0	0	0	0	0
BC-1567_2	7.25	0	0	4.74	2.5	0.24	21.13	0.345	0	0	0	0	0	0	0	0
BC-1593_1	7.25	0	0	5.81	1.44	0.16	18.2	0.198	0	0	0	0	0	0	0	0
BC-2973_1	7.25	0	0	6.87	0.38	0.08	5.93	0.052	0	0	0	0	0	0	0	0
BC-1542	7.25	0	0	4.88	2.36	0.21	20.25	0.326	0	0	0	0	0	0	0	0
CC-J1588_1	7.25	0	0	4.91	2.33	0.42	22.73	0.322	0	0	0	0	0	0	0	0
BC-1571_2	7.25	0	0	4.81	2.44	0.21	21.04	0.337	0	0	0	0	0	0	0	0
BC-2973_2	7.25	0	0	5.81	1.44	0.14	17.7	0.199	0	0	0	0	0	0	0	0
CC-J2699_3	7.25	0	0	3.36	3.89	0.34	25.04	0.536	0	0	0	0	0	0	0	0
CC-J1619	7.25	0	0	3.93	3.32	0.25	16.81	0.458	0	0	0	0	0	0	0	0
BC-1615	7.25	0	0	5.8	1.46	0.02	4.05	0.201	0	0	0	0	0	0	0	0
CC-J1597_1	7.25	0	0	2.9	4.33	0.37	20.88	0.598	0	0	0	0	0	0	0	0
CC-J1647	7.25	0	0	4.43	2.82	0.89	67.26	0.389	0	0	0	0	0	0	0	0
PO-2900_1	7.25	0	0	5.8	1.45	0.26	23.34	0.199	0	0	0	0	0	0	0	0
PO-3004_2	7.25	0	0	4.53	2.71	0.19	17.63	0.374	0	0	0	0	0	0	0	0
UT-20042417_3	7.25	0	0	4.21	3.03	0.29	19.52	0.419	0	0	0	0	0	0	0	0
CC-J3025_3	7.25	0	0	5.85	1.4	0.27	30.4	0.193	0	0	0	0	0	0	0	0
PO-1613_1	7.25	0	0	5.02	2.23	0.31	27.45	0.307	0	0	0	0	0	0	0	0
BC-33	7.25	0	0	6.22	1.03	0.1	14.25	0.142	0	0	0	0	0	0	0	0
UT-21042417_1	7.25	0	0	4.05	3.19	0.36	21.88	0.441	0	0	0	0	0	0	0	0
CC-J74_1	7.25	0	0	5.51	1.74	0.34	24.17	0.24	0	0	0	0	0	0	0	0
BC-1590_2	7.25	0	0	3.22	4.02	0.32	21.34	0.555	0	0	0	0	0	0	0	0
CC-J1653_1	7.25	0	0	4.44	2.8	0.54	32.76	0.387	0	0	0	0	0	0	0	0
BC-11_1	7.25	0	0	7.1	0.14	0.01	0.75	0.02	0	0	0	0	0	0	0	0
BC-1609	7.25	0	0	5.93	1.32	0.24	25.64	0.182	0	0	0	0	0	0	0	0
PO-1633_1	7.25	0	0	5.54	1.71	0.08	9.07	0.236	0	0	0	0	0	0	0	0
BC-1629	7.25	0	0	3.73	3.52	0.42	35.31	0.485	0	0	0	0	0	0	0	0
CC-J1627_1	7.25	0	0	5.46	1.79	0.28	23.68	0.246	0	0	0	0	0	0	0	0
UT-28042417	7.25	0	0	5.8	1.45	0.27	20.19	0.2	0	0	0	0	0	0	0	0
UT-29042417	7.25	0	0	5.54	1.71	0.44	22.92	0.235	0	0	0	0	0	0	0	0
CC-J1597_2	7.25	0	0	4.72	2.53	0.63	47.4	0.349	0	0	0	0	0	0	0	0
CC-J76_1	7.25	0	0	4.52	2.73	0.4	27.33	0.376	0	0	0	0	0	0	0	0
UT-27042417_1	7.25	0	0	5.23	2.01	0.42	29.15	0.278	0	0	0	0	0	0	0	0
BC-11_2	7.25	0	0	5.5	1.75	0.7	48.44	0.242	0	0	0	0	0	0	0	0
BC-11_3	7.25	0	0	5.87	1.38	0.12	12.25	0.19	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-21042417_2	7.25	0	0	5	2.25	0.22	18.76	0.31	0	0	0	0	0	0	0	0
PO-36	7.25	0	0	5.84	1.41	0.19	19.95	0.194	0	0	0	0	0	0	0	0
UT-21042417_3	7.25	0	0	4.44	2.81	0.15	12.21	0.388	0	0	0	0	0	0	0	0
CC-J1588_2	7.25	0	0	4.96	2.29	0.25	18.05	0.316	0	0	0	0	0	0	0	0
PO-1613_2	7.25	0	0	5.71	1.54	0.11	11.51	0.212	0	0	0	0	0	0	0	0
CC-J1623	7.25	0	0	4.78	2.47	0.38	27.16	0.34	0	0	0	0	0	0	0	0
BC-1593_2	7.25	0	0	5.97	1.28	0.12	19.03	0.176	0	0	0	0	0	0	0	0
BC-32	7.25	0	0	3.76	3.48	0.24	18.31	0.48	0	0	0	0	0	0	0	0
PO-1633_2	7.25	0	0	5.33	1.92	0.32	19.85	0.265	0	0	0	0	0	0	0	0
UT-23042417_1	7.25	0	0	5.53	1.72	0.18	18.89	0.237	0	0	0	0	0	0	0	0
UT-27042417_2	7.25	0	0	5.42	1.83	0.2	15	0.253	0	0	0	0	0	0	0	0
CC-J1660	7.25	0	0	5.09	2.16	0.2	23.17	0.298	0	0	0	0	0	0	0	0
CC-J1653_2	7.25	0	0	4.42	2.83	0.36	24.37	0.391	0	0	0	0	0	0	0	0
BC-1625	7.25	0	0	6.03	1.22	0.14	13.9	0.168	0	0	0	0	0	0	0	0
CC-J74_2	7.25	0	0	5.55	1.7	0.15	13.08	0.234	0	0	0	0	0	0	0	0
UT-25042417	7.25	0	0	5.56	1.69	0.16	13.15	0.233	0	0	0	0	0	0	0	0
BC-1662_1	7.25	0	0	7.19	0.06	0.01	1.93	0.008	0	0	0	0	0	0	0	0
UT-26042417	7.25	0	0	5.19	2.06	0.16	14.24	0.284	0	0	0	0	0	0	0	0
BC-1635	7.25	0	0	4.46	2.79	0.37	32.43	0.385	0	0	0	0	0	0	0	0
CC-J9	7.25	0	0	5.58	1.67	0.27	20.92	0.23	0	0	0	0	0	0	0	0
UT-22042417	7.25	0	0	5.19	2.06	0.15	16.09	0.284	0	0	0	0	0	0	0	0
UT-24042417	7.25	0	0	5.17	2.07	0.34	29.62	0.286	0	0	0	0	0	0	0	0
BC-1683	7.25	0	0	4.94	2.3	0.66	55	0.318	0	0	0	0	0	0	0	0
CC-J76_2	7.25	0	0	4.76	2.49	0.25	18.19	0.343	0	0	0	0	0	0	0	0
PO-1637	7.25	0	0	5.76	1.48	0.24	14.24	0.205	0	0	0	0	0	0	0	0
PO-1673	7.25	0	0	5.82	1.43	0.23	28.4	0.197	0	0	0	0	0	0	0	0
UT-21042417_4	7.25	0	0	4.1	3.15	0.34	20.76	0.435	0	0	0	0	0	0	0	0
BC-2968	7.25	0	0	5.01	2.23	0.31	28.96	0.308	0	0	0	0	0	0	0	0
CC-J1627_2	7.25	0	0	4.69	2.56	0.31	22.02	0.353	0	0	0	0	0	0	0	0
BC-1645_1	7.25	0	0	4.85	2.4	0.33	26.3	0.331	0	0	0	0	0	0	0	0
PO-2726	7.25	0	0	5.8	1.45	0.11	12.87	0.2	0	0	0	0	0	0	0	0
BC-1643	7.25	0	0	5.56	1.69	0.12	11.56	0.233	0	0	0	0	0	0	0	0
CC-J2869	7.25	0	0	5.68	1.56	0.08	7.39	0.215	0	0	0	0	0	0	0	0
CC-J1649	7.25	0	0	5.15	2.09	0.26	18.05	0.288	0	0	0	0	0	0	0	0
CC-J2864_1	7.25	0	0	7.2	0.05	0.03	1.31	0.007	0	0	0	0	0	0	0	0
BC-2924	7.25	0	0	5.91	1.34	0.1	14.89	0.185	0	0	0	0	0	0	0	0
CC-J1627_3	7.25	0	0	5.94	1.3	0.23	22.24	0.18	0	0	0	0	0	0	0	0
BC-1729_1	7.25	0	0	3.98	3.27	0.62	40.88	0.451	0	0	0	0	0	0	0	0
BC-2797	7.25	0	0	5.46	1.79	0.14	14.91	0.247	0	0	0	0	0	0	0	0
CC-J1669_1	7.25	0	0	6.97	0.28	0.04	2.06	0.038	0	0	0	0	0	0	0	0
UT-23042417_2	7.25	0	0	5.27	1.98	0.18	15.43	0.273	0	0	0	0	0	0	0	0
BC-87	7.25	0	0	3.23	4.02	0.5	36.85	0.554	0	0	0	0	0	0	0	0
BC-2750	7.25	0	0	4.94	2.31	0.28	30.25	0.318	0	0	0	0	0	0	0	0
CC-J76_3	7.25	0	0	5.69	1.56	0.11	12.84	0.215	0	0	0	0	0	0	0	0
CC-J76_4	7.25	0	0	5.52	1.73	0.16	17.22	0.238	0	0	0	0	0	0	0	0
BC-1662_2	7.25	0	0	5.34	1.91	0.26	29.65	0.264	0	0	0	0	0	0	0	0
PO-1677_1	7.25	0	0	6.97	0.27	0.03	1.62	0.038	0	0	0	0	0	0	0	0
CC-J1588_3	7.25	0	0	5.89	1.36	0.18	17.94	0.188	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
PO-1677_2	7.25	0	0	7.04	0.21	0.02	3.84	0.029	0	0	0	0	0	0	0	0
BC-1704	7.25	0	0	5.17	2.08	0.05	5.95	0.286	0	0	0	0	0	0	0	0
BC-1111	7.25	0	0	4.74	2.51	0.32	26.2	0.346	0	0	0	0	0	0	0	0
CC-J2898	7.25	0	0	5.42	1.82	0.19	19.61	0.251	0	0	0	0	0	0	0	0
PO-2900_2	7.25	0	0	7.25	0	0	0	0	0	0	0	0	0	0	0	0
BC-1645_2	7.25	0	0	5.27	1.98	0.23	18.01	0.273	0	0	0	0	0	0	0	0
BC-2885	7.25	0	0	3.43	3.82	0.46	31.81	0.527	0	0	0	0	0	0	0	0
BC-1691_1	7.25	0	0	4.53	2.72	0.19	13.96	0.375	0	0	0	0	0	0	0	0
BC-1679_1	7.25	0	0	5.59	1.66	0.4	32.31	0.229	0	0	0	0	0	0	0	0
BC-1707_1	7.25	0	0	4.02	3.23	0.29	20.87	0.445	0	0	0	0	0	0	0	0
CC-J1669_2	7.25	0	0	6.66	0.59	0.04	2	0.082	0	0	0	0	0	0	0	0
BC-1729_2	7.25	0	0	4.54	2.71	0.37	27.28	0.374	0	0	0	0	0	0	0	0
BC-1679_2	7.25	0	0	5.5	1.75	0.25	20.97	0.241	0	0	0	0	0	0	0	0
BC-1691_2	7.25	0	0	4.59	2.65	0.36	24.56	0.366	0	0	0	0	0	0	0	0
PO-1687	7.25	0	0	7.02	0.23	0.01	3.43	0.031	0	0	0	0	0	0	0	0
BC-1679_3	7.25	0	0	5.73	1.52	0.18	18.57	0.21	0	0	0	0	0	0	0	0
UT-30042417_1	7.25	0	0	5.22	2.03	0.25	24.44	0.28	0	0	0	0	0	0	0	0
UT-30042417_2	7.25	0	0	6.43	0.82	0.11	16.23	0.113	0	0	0	0	0	0	0	0
PO-2963_1	7.25	0	0	7.16	0.09	0.03	1.38	0.013	0	0	0	0	0	0	0	0
PO-1675	7.25	0	0	7.25	0	0	0	0	0	0	0	0	0	0	0	0
CC-J2994	7.25	0	0	7.24	0.01	0	0.07	0.001	0	0	0	0	0	0	0	0
CC-J2864_2	7.25	0	0	6.86	0.39	0.08	4.47	0.054	0	0	0	0	0	0	0	0
PO-2963_2	7.25	0	0	7.01	0.24	0.08	3.99	0.033	0	0	0	0	0	0	0	0
CC-J1693	7.25	0	0	7.24	0.01	0	0.05	0.001	0	0	0	0	0	0	0	0
PO-2960	7.25	0	0	7.25	0	0	0.02	0	0	0	0	0	0	0	0	0
BC-1770_1	7.25	0	0	5.24	2.01	0.63	39.55	0.277	0	0	0	0	0	0	0	0
BC-1681	7.25	0	0	4.81	2.44	0.21	15.59	0.337	0	0	0	0	0	0	0	0
BC-1721_1	7.25	0	0	4.03	3.21	0.62	50.38	0.443	0	0	0	0	0	0	0	0
BC-1707_2	7.25	0	0	4.09	3.15	0.66	42.76	0.435	0	0	0	0	0	0	0	0
BC-1713_1	7.25	0	0	2.9	4.34	0.41	25.74	0.598	0	0	0	0	0	0	0	0
CC-J1699	7.25	0	0	5.38	1.86	0.26	17.21	0.257	0	0	0	0	0	0	0	0
CC-J46_1	7.25	0	0	5.96	1.3	0.1	13.07	0.179	0	0	0	0	0	0	0	0
CC-J1719	7.25	0	0	5.42	1.81	0.43	20.85	0.25	0	0	0	0	0	0	0	0
CC-J112	7.25	0	0	3.95	3.29	0.16	12.92	0.454	0	0	0	0	0	0	0	0
CC-MASJ3041_1	7.25	0	0	6.56	0.69	0.08	8.02	0.095	0	0	0	0	0	0	0	0
CC-J46_2	7.25	0	0	5.8	1.45	0.11	11.21	0.2	0	0	0	0	0	0	0	0
CC-J3002_1	7.25	0	0	7.23	0.02	0.01	0.27	0.002	0	0	0	0	0	0	0	0
CC-J3002_2	7.25	0	0	7.24	0.01	0	0.04	0.001	0	0	0	0	0	0	0	0
CC-MASJ140_1	7.25	0	0	5.93	1.31	0.07	3.41	0.181	0	0	0	0	0	0	0	0
CC-M31042417_1	7.25	0	0	7.22	0.03	0	0.23	0.005	0	0	0	0	0	0	0	0
CC-J3001_1	7.25	0	0	5.98	1.27	0.3	31.33	0.176	0	0	0	0	0	0	0	0
BC-1713_2	7.25	0	0	4.25	3	0.58	36.97	0.414	0	0	0	0	0	0	0	0
CC-J46_3	7.25	0	0	7.22	0.03	0	0.55	0.004	0	0	0	0	0	0	0	0
CC-J3001_2	7.25	0	0	7.25	0	0	0	0	0	0	0	0	0	0	0	0
CC-M31042417_2	7.25	0	0	7.25	0	0	0.02	0	0	0	0	0	0	0	0	0
CC-J2864_3	7.25	0	0	4.05	3.19	0.51	40.88	0.44	0	0	0	0	0	0	0	0
CC-J2923_1	7.25	0	0	5.68	1.56	0.23	11.01	0.215	0	0	0	0	0	0	0	0
BC-1707_3	7.25	0	0	3.68	3.56	0.67	36.92	0.491	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1763_1	7.25	0	0	7.19	0.06	0.02	5.57	0.008	0	0	0	0	0	0	0	0
BC-1721_2	7.25	0	0	4.44	2.8	0.19	14.84	0.387	0	0	0	0	0	0	0	0
BC-1735	7.25	0	0	4.68	2.57	0.52	43.43	0.355	0	0	0	0	0	0	0	0
BC-1780	7.25	0	0	4.49	2.76	0.37	31.79	0.38	0	0	0	0	0	0	0	0
CC-J2949	7.25	0	0	7.18	0.07	0.01	0.36	0.009	0	0	0	0	0	0	0	0
CC-J2923_2	7.25	0	0	6.74	0.5	0.11	5.09	0.07	0	0	0	0	0	0	0	0
BC-1745	7.25	0	0	4.54	2.7	0.23	18.05	0.373	0	0	0	0	0	0	0	0
CC-J2832_1	7.25	0	0	5.41	1.82	0.23	11.07	0.251	0	0	0	0	0	0	0	0
CC-J1776_1	7.25	0	0	4.9	2.33	0.24	11.41	0.322	0	0	0	0	0	0	0	0
CC-J39_1	7.25	0	0	7.18	0.07	0.01	0.35	0.01	0	0	0	0	0	0	0	0
CC-J3002_3	7.25	0	0	7.25	0	0	0	0	0	0	0	0	0	0	0	0
CC-J2846_1	7.25	0	0	6.51	0.73	0.2	9.58	0.101	0	0	0	0	0	0	0	0
CC-MASJ140_2	7.25	0	0	7.23	0.02	0	0.06	0.002	0	0	0	0	0	0	0	0
CC-J2923_3	7.25	0	0	6	1.24	0.11	5.29	0.171	0	0	0	0	0	0	0	0
BC-1758_1	7.25	0	0	4.25	3	0.26	18.76	0.414	0	0	0	0	0	0	0	0
BC-1758_2	7.25	0	0	3.85	3.4	0.38	28.9	0.468	0	0	0	0	0	0	0	0
CC-J39_2	7.25	0	0	7.04	0.21	0.02	1.06	0.029	0	0	0	0	0	0	0	0
CC-J41	7.25	0	0	7.24	0.01	0	0.12	0.002	0	0	0	0	0	0	0	0
BC-1721_3	7.25	0	0	3.74	3.51	0.28	19.76	0.484	0	0	0	0	0	0	0	0
BC-1758_3	7.25	0	0	3.65	3.6	0.3	22.69	0.496	0	0	0	0	0	0	0	0
CC-M31042417_3	7.25	0	0	7.25	0	0	0	0	0	0	0	0	0	0	0	0
CC-J47_1	7.25	0	0	7.12	0.13	0.02	5.47	0.017	0	0	0	0	0	0	0	0
CC-J1819	7.25	0	0	4.87	2.37	0.78	61.52	0.328	0	0	0	0	0	0	0	0
UT-32042417	7.25	0	0	7.25	0	0	0	0	0	0	0	0	0	0	0	0
CC-J2864_4	7.25	0	0	3.37	3.88	0.9	58.33	0.535	0	0	0	0	0	0	0	0
CC-MASJ140_3	7.25	0	0	7.01	0.24	0.02	5.49	0.033	0	0	0	0	0	0	0	0
BC-2901	7.25	0	0	4.75	2.49	0.09	7.31	0.344	0	0	0	0	0	0	0	0
PO-2963_3	7.25	0	0	6.64	0.6	0.08	3.7	0.083	0	0	0	0	0	0	0	0
CC-J2846_2	7.25	0	0	6.3	0.94	0.25	12.2	0.13	0	0	0	0	0	0	0	0
CC-J46_4	7.25	0	0	6.91	0.33	0.04	1.78	0.046	0	0	0	0	0	0	0	0
CC-J2999	7.25	0	0	6.85	0.4	0.05	6.52	0.056	0	0	0	0	0	0	0	0
CC-MASJ3041_2	7.25	0	0	7.25	0	0	0	0	0	0	0	0	0	0	0	0
CC-J1776_2	7.25	0	0	7.16	0.09	0.01	0.56	0.012	0	0	0	0	0	0	0	0
CC-MASJ3041_3	7.25	0	0	6.19	1.06	0.17	17.89	0.146	0	0	0	0	0	0	0	0
CC-J2832_2	7.25	0	0	6.62	0.62	0.06	2.82	0.086	0	0	0	0	0	0	0	0
CC-J1763_2	7.25	0	0	7.21	0.04	0	0.15	0.006	0	0	0	0	0	0	0	0
BC-1824_1	7.25	0	0	4.33	2.91	0.46	30.5	0.402	0	0	0	0	0	0	0	0
CC-J2832_3	7.25	0	0	6.18	1.06	0.07	3.54	0.147	0	0	0	0	0	0	0	0
CC-J3001_3	7.25	0	0	6.75	0.49	0.1	7.04	0.068	0	0	0	0	0	0	0	0
CC-J2923_4	7.25	0	0	6.52	0.72	0.1	4.96	0.1	0	0	0	0	0	0	0	0
CC-J2923_5	7.25	0	0	6.92	0.33	0.07	3.12	0.045	0	0	0	0	0	0	0	0
CC-J3001_4	7.25	0	0	4.44	2.81	0.34	26.95	0.387	0	0	0	0	0	0	0	0
CC-J60_1	7.25	0	0	4.32	2.92	0.49	29.72	0.403	0	0	0	0	0	0	0	0
CC-J2978_1	7.25	0	0	7.2	0.05	0	0.21	0.007	0	0	0	0	0	0	0	0
CC-J2991	7.25	0	0	6.09	1.16	0.22	19.53	0.16	0	0	0	0	0	0	0	0
CC-J2971_1	7.25	0	0	7.24	0.01	0	0.04	0.001	0	0	0	0	0	0	0	0
CC-MASJ2948	7.25	0	0	4.22	3.03	0.89	68.68	0.418	0	0	0	0	0	0	0	0
CC-J45	7.25	0	0	3.38	3.86	0.37	23.89	0.533	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
BC-1793_1	7.25	0	0	3.99	3.25	0.46	31.7	0.449	0	0	0	0	0	0	0	0
CC-J2971_2	7.25	0	0	6.99	0.25	0.02	0.84	0.035	0	0	0	0	0	0	0	0
BC-1797_1	7.25	0	0	4.83	2.42	0.31	20.82	0.334	0	0	0	0	0	0	0	0
CC-J47_2	7.25	0	0	5.83	1.42	0.11	13.72	0.196	0	0	0	0	0	0	0	0
CC-J68	7.25	0	0	4.36	2.89	0.77	53.11	0.399	0	0	0	0	0	0	0	0
BC-1770_2	7.25	0	0	4.38	2.87	0.39	26.43	0.396	0	0	0	0	0	0	0	0
BC-1795	7.25	0	0	4.75	2.5	0.34	25.04	0.345	0	0	0	0	0	0	0	0
CC-J2832_4	7.25	0	0	7.23	0.02	0	0.09	0.003	0	0	0	0	0	0	0	0
CC-J1776_3	7.25	0	0	5.44	1.8	0.43	39.75	0.249	0	0	0	0	0	0	0	0
CC-J1842_1	7.25	0	0	6.03	1.22	0.4	40.9	0.168	0	0	0	0	0	0	0	0
CC-J2832_5	7.25	0	0	6.71	0.54	0.04	2.17	0.074	0	0	0	0	0	0	0	0
CC-MASJ1803	7.25	0	0	3.38	3.87	0.53	28.87	0.533	0	0	0	0	0	0	0	0
BC-1793_2	7.25	0	0	4.02	3.23	0.39	29.47	0.446	0	0	0	0	0	0	0	0
CC-J2971_3	7.25	0	0	7.25	0	0	0	0	0	0	0	0	0	0	0	0
CC-M33042417	7.25	0	0	7.2	0.05	0	1.1	0.006	0	0	0	0	0	0	0	0
BC-1797_2	7.25	0	0	4.55	2.7	0.37	26.08	0.372	0	0	0	0	0	0	0	0
BC-1817_1	7.25	0	0	3.41	3.84	0.4	30.65	0.529	0	0	0	0	0	0	0	0
CC-MASJ108	7.25	0	0	3.71	3.54	0.32	20.32	0.489	0	0	0	0	0	0	0	0
CC-J1815	7.25	0	0	4.25	2.99	0.5	44.76	0.413	0	0	0	0	0	0	0	0
CC-MASJ110	7.25	0	0	3.21	4.03	0.55	33.51	0.556	0	0	0	0	0	0	0	0
CC-J2978_2	7.25	0	0	7.11	0.14	0.01	1.54	0.019	0	0	0	0	0	0	0	0
CC-J2971_4	7.25	0	0	6.49	0.76	0.1	10.52	0.105	0	0	0	0	0	0	0	0
BC-1817_2	7.25	0	0	3.23	4.01	0.45	31.54	0.554	0	0	0	0	0	0	0	0
CC-J1846_1	7.25	0	0	3.59	3.66	0.65	40.51	0.505	0	0	0	0	0	0	0	0
CC-J1846_2	7.25	0	0	3.49	3.76	1.1	71.92	0.518	0	0	0	0	0	0	0	0
CC-J2971_5	7.25	0	0	4.21	3.04	1.44	108.3	0.419	0	0	0	0	0	0	0	0
CC-J2846_3	7.25	0	0	7.25	0	0	0	0	0	0	0	0	0	0	0	0
CC-J2832_6	7.25	0	0	3.84	3.4	0.41	33.55	0.47	0	0	0	0	0	0	0	0
CC-J2832_7	7.25	0	0	7.25	0	0	0.14	0	0	0	0	0	0	0	0	0
BC-3524	7.25	0	0	4.54	2.71	0.25	21.48	0.374	0	0	0	0	0	0	0	0
CC-MASJ1801	7.25	0	0	3.2	4.04	0.33	23.76	0.557	0	0	0	0	0	0	0	0
CC-J2923_6	7.25	0	0	7.14	0.11	0.02	4.93	0.015	0	0	0	0	0	0	0	0
CC-J2832_8	7.25	0	0	4.74	2.5	0.27	29.19	0.346	0	0	0	0	0	0	0	0
CC-J2846_4	7.25	0	0	5.72	1.53	0.1	11.2	0.211	0	0	0	0	0	0	0	0
CC-J1844_1	7.25	0	0	3.73	3.51	0.35	30.38	0.484	0	0	0	0	0	0	0	0
CC-J2846_5	7.25	0	0	5.31	1.93	0.24	17.37	0.267	0	0	0	0	0	0	0	0
CC-J1831_1	7.25	0	0	4.16	3.09	0.23	21.67	0.426	0	0	0	0	0	0	0	0
BC-1817_3	7.25	0	0	3.38	3.87	0.29	20.57	0.534	0	0	0	0	0	0	0	0
CC-J1848_1	7.25	0	0	3.64	3.61	0.28	17.46	0.497	0	0	0	0	0	0	0	0
CC-J1848_2	7.25	0	0	3.47	3.77	0.54	33.53	0.521	0	0	0	0	0	0	0	0
CC-J2832_9	7.25	0	0	6.78	0.47	0.05	6.9	0.065	0	0	0	0	0	0	0	0
BC-1824_2	7.25	0	0	3.62	3.62	0.3	22.8	0.5	0	0	0	0	0	0	0	0
BC-1824_3	7.25	0	0	3.66	3.59	0.26	18.68	0.495	0	0	0	0	0	0	0	0
CC-J2835	7.25	0	0	4.14	3.11	0.23	16.72	0.429	0	0	0	0	0	0	0	0
CC-J60_2	7.25	0	0	3.14	4.1	0.54	27.19	0.566	0	0	0	0	0	0	0	0
CC-J1838	7.25	0	0	3.38	3.87	0.32	22.29	0.533	0	0	0	0	0	0	0	0
CC-J2923_7	7.25	0	0	6.55	0.7	0.15	25.23	0.096	0	0	0	0	0	0	0	0
BC-3557	7.25	0	0	4.58	2.66	0.35	25.81	0.368	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1829_1	7.25	0	0	3.55	3.69	0.26	16.91	0.509	0	0	0	0	0	0	0	0
CC-J2832_10	7.25	0	0	3.32	3.93	0.29	22.42	0.541	0	0	0	0	0	0	0	0
CC-J1829_2	7.25	0	0	3.86	3.38	0.37	22.3	0.467	0	0	0	0	0	0	0	0
BC-3561	7.25	0	0	4.79	2.46	0.24	8.47	0.339	0	0	0	0	0	0	0	0
BC-3564	7.25	0	0	4.71	2.54	0.22	18.18	0.35	0	0	0	0	0	0	0	0
CC-MASJ114	7.25	0	0	2.92	4.32	0.68	42.33	0.595	0	0	0	0	0	0	0	0
CC-J1842_2	7.25	0	0	4.74	2.51	0.19	14.34	0.346	0	0	0	0	0	0	0	0
CC-J1891_1	7.25	0	0	4.53	2.71	0.32	25.85	0.374	0	0	0	0	0	0	0	0
CC-J1831_2	7.25	0	0	5.13	2.12	0.4	22.83	0.292	0	0	0	0	0	0	0	0
CC-J1894	7.25	0	0	4.68	2.56	0.36	23.72	0.354	0	0	0	0	0	0	0	0
CC-J1850	7.25	0	0	3.66	3.59	0.29	24.28	0.495	0	0	0	0	0	0	0	0
CC-J1846_3	7.25	0	0	3.56	3.69	0.62	42.86	0.509	0	0	0	0	0	0	0	0
CC-J1842_3	7.25	0	0	5.14	2.11	0.38	31.73	0.292	0	0	0	0	0	0	0	0
CC-J1885_1	7.25	0	0	3.48	3.76	0.4	29.58	0.519	0	0	0	0	0	0	0	0
CC-J1852	7.25	0	0	3.59	3.66	0.2	15.27	0.504	0	0	0	0	0	0	0	0
CC-J1844_2	7.25	0	0	3.52	3.73	0.59	38.42	0.514	0	0	0	0	0	0	0	0
CC-J1881_1	7.25	0	0	3.51	3.74	0.56	36.15	0.516	0	0	0	0	0	0	0	0
CC-J1829_3	7.25	0	0	3.26	3.98	0.71	42.53	0.55	0	0	0	0	0	0	0	0
CC-J1871	7.25	0	0	3.63	3.62	0.45	32.49	0.499	0	0	0	0	0	0	0	0
CC-J1866_1	7.25	0	0	3.53	3.72	0.14	11.24	0.513	0	0	0	0	0	0	0	0
CC-J1881_2	7.25	0	0	3.83	3.42	0.61	45.42	0.471	0	0	0	0	0	0	0	0
CC-J1866_2	7.25	0	0	3.14	4.11	0.78	49.54	0.566	0	0	0	0	0	0	0	0
CC-J1866_3	7.25	0	0	2.97	4.27	0.7	47.4	0.589	0	0	0	0	0	0	0	0
CC-J1883	7.25	0	0	3.32	3.92	0.31	21.82	0.541	0	0	0	0	0	0	0	0
CC-J1855	7.25	0	0	3.65	3.59	0.29	19.96	0.496	0	0	0	0	0	0	0	0
CC-J1858	7.25	0	0	3.27	3.98	0.66	43.78	0.549	0	0	0	0	0	0	0	0
BC-3605	7.25	0	0	3.9	3.35	0.3	25.75	0.462	0	0	0	0	0	0	0	0
BC-3606	7.25	0	0	4.24	3.01	0.26	18.58	0.415	0	0	0	0	0	0	0	0
CC-J1889	7.25	0	0	4.29	2.95	0.3	19.09	0.407	0	0	0	0	0	0	0	0
CC-J2851_1	7.25	0	0	3.77	3.48	0.92	61.69	0.48	0	0	0	0	0	0	0	0
CC-J1860	7.25	0	0	3.64	3.61	0.48	31.31	0.498	0	0	0	0	0	0	0	0
CC-J1873_1	7.25	0	0	2.57	4.66	0.44	30.97	0.643	0	0	0	0	0	0	0	0
CC-J1900_1	7.25	0	0	3.58	3.66	0.26	17.6	0.505	0	0	0	0	0	0	0	0
CC-J1879_1	7.25	0	0	3.45	3.79	0.22	15.12	0.523	0	0	0	0	0	0	0	0
CC-J1907	7.25	0	0	4.69	2.56	0.37	31.57	0.352	0	0	0	0	0	0	0	0
CC-J1896	7.25	0	0	3.42	3.82	0.81	63.2	0.528	0	0	0	0	0	0	0	0
BC-3627	7.25	0	0	3.64	3.6	0.82	52.21	0.497	0	0	0	0	0	0	0	0
CC-J1873_2	7.25	0	0	3.47	3.77	0.54	40.65	0.52	0	0	0	0	0	0	0	0
CC-J1885_2	7.25	0	0	3.55	3.7	0.53	36.91	0.51	0	0	0	0	0	0	0	0
CC-J1885_3	7.25	0	0	3.46	3.78	0.29	20.37	0.522	0	0	0	0	0	0	0	0
CC-J1909_1	7.25	0	0	5.18	2.06	0.45	34.77	0.285	0	0	0	0	0	0	0	0
CC-J1905_1	7.25	0	0	3.58	3.66	0.95	65.95	0.505	0	0	0	0	0	0	0	0
CC-J1879_2	7.25	0	0	4.67	2.58	0.46	45.77	0.356	0	0	0	0	0	0	0	0
CC-J2851_2	7.25	0	0	3.93	3.32	0.25	16.87	0.457	0	0	0	0	0	0	0	0
BC-3638	7.25	0	0	4.27	2.98	0.61	37.52	0.411	0	0	0	0	0	0	0	0
CC-J1887	7.25	0	0	3.61	3.64	0.32	25.4	0.502	0	0	0	0	0	0	0	0
CC-J1891_2	7.25	0	0	4.44	2.8	0.19	17.58	0.387	0	0	0	0	0	0	0	0
CC-J1891_3	7.25	0	0	4.99	2.26	0.41	35.29	0.311	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2959	7.25	0	0	3.86	3.39	0.37	30.82	0.467	0	0	0	0	0	0	0	0
CC-J2860	7.25	0	0	3.52	3.73	0.56	42.38	0.515	0	0	0	0	0	0	0	0
CC-J2851_3	7.25	0	0	3.7	3.55	0.35	30.72	0.489	0	0	0	0	0	0	0	0
CC-J1947_1	7.25	0	0	5.22	2.03	0.18	17.3	0.281	0	0	0	0	0	0	0	0
CC-J2774	7.25	0	0	3.73	3.51	0.67	53.28	0.484	0	0	0	0	0	0	0	0
CC-J1900_2	7.25	0	0	3.7	3.55	0.54	43.01	0.489	0	0	0	0	0	0	0	0
CC-J1905_2	7.25	0	0	3.61	3.63	0.74	60.01	0.501	0	0	0	0	0	0	0	0
CC-J1905_3	7.25	0	0	3.49	3.76	0.27	23.25	0.518	0	0	0	0	0	0	0	0
CC-J1928_1	7.25	0	0	4.31	2.93	0.21	15.55	0.405	0	0	0	0	0	0	0	0
CC-J1926	7.25	0	0	3.52	3.73	0.31	26.17	0.514	0	0	0	0	0	0	0	0
BC-3668	7.25	0	0	3.64	3.61	0.8	57.25	0.497	0	0	0	0	0	0	0	0
CC-J3019	7.25	0	0	2.86	4.38	0.49	29.5	0.604	0	0	0	0	0	0	0	0
CC-J1928_2	7.25	0	0	5.19	2.06	0.28	23.91	0.284	0	0	0	0	0	0	0	0
CC-J1939	7.25	0	0	3.56	3.69	0.8	63.8	0.509	0	0	0	0	0	0	0	0
CC-J1909_2	7.25	0	0	5.45	1.8	0.16	16.53	0.249	0	0	0	0	0	0	0	0
CC-J1962_1	7.25	0	0	3.32	3.92	0.3	23	0.541	0	0	0	0	0	0	0	0
CC-J2829	7.25	0	0	3.99	3.25	0.67	41.85	0.448	0	0	0	0	0	0	0	0
CC-J3018	7.25	0	0	3.03	4.21	0.42	24.1	0.58	0	0	0	0	0	0	0	0
CC-J1917	7.25	0	0	4.9	2.35	0.48	41.08	0.324	0	0	0	0	0	0	0	0
CC-J2696	7.25	0	0	3.71	3.54	0.54	46.68	0.488	0	0	0	0	0	0	0	0
CC-J1971	7.25	0	0	3.3	3.94	0.92	67.85	0.544	0	0	0	0	0	0	0	0
CC-J1911	7.25	0	0	3.79	3.45	0.61	43.06	0.476	0	0	0	0	0	0	0	0
CC-J17_1	7.25	0	0	3.93	3.32	0.51	31.54	0.457	0	0	0	0	0	0	0	0
CC-J1922_1	7.25	0	0	3.94	3.31	0.28	17.74	0.457	0	0	0	0	0	0	0	0
CC-GR7_1	7.25	0	0	3.58	3.67	0.65	49.14	0.506	0	0	0	0	0	0	0	0
CC-J1920	7.25	0	0	3.44	3.8	0.42	27.98	0.525	0	0	0	0	0	0	0	0
CC-J1922_2	7.25	0	0	3.75	3.5	0.68	45.47	0.482	0	0	0	0	0	0	0	0
CC-J1922_3	7.25	0	0	3.9	3.35	0.6	41.76	0.463	0	0	0	0	0	0	0	0
CC-J1949_1	7.25	0	0	4.91	2.34	0.26	28.58	0.323	0	0	0	0	0	0	0	0
CC-J1962_2	7.25	0	0	3.5	3.74	0.53	34.47	0.517	0	0	0	0	0	0	0	0
CC-J1909_3	7.25	0	0	4.57	2.68	0.42	30.66	0.369	0	0	0	0	0	0	0	0
CC-J1941	7.25	0	0	5.1	2.15	0.23	20.16	0.296	0	0	0	0	0	0	0	0
CC-J17_2	7.25	0	0	4.44	2.81	0.24	17.7	0.387	0	0	0	0	0	0	0	0
CC-GR7_2	7.25	0	0	3.5	3.73	0.41	25.92	0.514	0	0	0	0	0	0	0	0
CC-J1985_1	7.25	0	0	4.79	2.46	0.17	16.07	0.339	0	0	0	0	0	0	0	0
CC-J2779	7.25	0	0	3.18	4.07	0.28	22.19	0.561	0	0	0	0	0	0	0	0
CC-J1932_1	7.25	0	0	3.34	3.91	0.72	44.8	0.539	0	0	0	0	0	0	0	0
CC-J1935	7.25	0	0	4.63	2.61	0.35	30.18	0.36	0	0	0	0	0	0	0	0
BC-3722	7.25	0	0	3.64	3.61	0.58	29.83	0.498	0	0	0	0	0	0	0	0
CC-J1964	7.25	0	0	3.72	3.52	0.28	23.25	0.486	0	0	0	0	0	0	0	0
CC-gr21_1	7.25	0	0	3.57	3.67	0.72	52.4	0.507	0	0	0	0	0	0	0	0
CC-J1947_2	7.25	0	0	4.39	2.86	0.5	42.31	0.394	0	0	0	0	0	0	0	0
CC-J1947_3	7.25	0	0	4.55	2.69	0.26	23.93	0.371	0	0	0	0	0	0	0	0
BC-3734	7.25	0	0	3.53	3.72	0.23	14.83	0.513	0	0	0	0	0	0	0	0
CC-J1945	7.25	0	0	3.57	3.67	0.38	19.55	0.507	0	0	0	0	0	0	0	0
CC-J1932_2	7.25	0	0	2.87	4.37	0.87	57.51	0.602	0	0	0	0	0	0	0	0
CC-J1991_1	7.25	0	0	5.46	1.79	0.16	20.21	0.247	0	0	0	0	0	0	0	0
CC-J1966_1	7.25	0	0	4.36	2.89	0.2	17.61	0.398	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1966_2	7.25	0	0	4.41	2.84	0.29	22.97	0.392	0	0	0	0	0	0	0	0
CC-J1989	7.25	0	0	3.59	3.66	0.37	28.39	0.505	0	0	0	0	0	0	0	0
CC-J1949_2	7.25	0	0	3.65	3.59	0.51	36.67	0.495	0	0	0	0	0	0	0	0
CC-gr21_2	7.25	0	0	3.61	3.64	0.53	37.11	0.501	0	0	0	0	0	0	0	0
CC-J1956	7.25	0	0	3.33	3.91	0.53	36.06	0.54	0	0	0	0	0	0	0	0
CC-J1985_2	7.25	0	0	5.18	2.06	0.21	15.34	0.284	0	0	0	0	0	0	0	0
CC-J24	7.25	0	0	4.74	2.51	0.44	32.64	0.346	0	0	0	0	0	0	0	0
CC-gr16	7.25	0	0	3.43	3.81	0.55	44	0.526	0	0	0	0	0	0	0	0
BC-3765	7.25	0	0	3.75	3.5	0.5	32.92	0.483	0	0	0	0	0	0	0	0
CC-J1991_2	7.25	0	0	4.05	3.19	0.71	51.23	0.441	0	0	0	0	0	0	0	0
CC-J2001_1	7.25	0	0	3.99	3.25	0.39	28.09	0.449	0	0	0	0	0	0	0	0
CC-J2694	7.25	0	0	3.29	3.95	0.31	24.46	0.545	0	0	0	0	0	0	0	0
CC-J1987	7.25	0	0	4.54	2.71	0.29	23.46	0.374	0	0	0	0	0	0	0	0
CC-J1997_1	7.25	0	0	3.61	3.63	0.3	25.16	0.501	0	0	0	0	0	0	0	0
CC-J20_1	7.25	0	0	4.78	2.46	0.16	12.87	0.34	0	0	0	0	0	0	0	0
CC-J2011_1	7.25	0	0	5.1	2.15	0.28	21.66	0.297	0	0	0	0	0	0	0	0
CC-J1997_2	7.25	0	0	3.55	3.7	0.76	56.22	0.51	0	0	0	0	0	0	0	0
CC-J20_2	7.25	0	0	4.2	3.05	0.36	23.1	0.421	0	0	0	0	0	0	0	0
CC-J2003	7.25	0	0	3.37	3.88	0.48	34.47	0.535	0	0	0	0	0	0	0	0
CC-J2005	7.25	0	0	5	2.25	0.34	29.42	0.31	0	0	0	0	0	0	0	0
CC-J2016	7.25	0	0	4.3	2.94	0.23	17.49	0.405	0	0	0	0	0	0	0	0
CC-J2022	7.25	0	0	3.09	4.15	0.7	44.56	0.572	0	0	0	0	0	0	0	0
CC-J2011_2	7.25	0	0	4.13	3.11	0.42	31.59	0.429	0	0	0	0	0	0	0	0
BC-3801	7.25	0	0	3.81	3.44	0.51	35.7	0.474	0	0	0	0	0	0	0	0
CC-J2776	7.25	0	0	4.51	2.73	0.6	57.43	0.377	0	0	0	0	0	0	0	0
CC-J2001_2	7.25	0	0	3.61	3.63	0.55	38.4	0.501	0	0	0	0	0	0	0	0
CC-J27_1	7.25	0	0	4.59	2.65	0.28	21.56	0.365	0	0	0	0	0	0	0	0
CC-J2030	7.25	0	0	4.2	3.05	0.54	48.66	0.42	0	0	0	0	0	0	0	0
CC-J2043_1	7.25	0	0	3.11	4.13	0.33	21.6	0.57	0	0	0	0	0	0	0	0
CC-J2032_1	7.25	0	0	4.7	2.55	0.34	33.13	0.352	0	0	0	0	0	0	0	0
CC-J27_2	7.25	0	0	3.99	3.25	0.26	18.91	0.449	0	0	0	0	0	0	0	0
CC-J2018_1	7.25	0	0	2.79	4.44	0.45	29.41	0.613	0	0	0	0	0	0	0	0
CC-J2024_1	7.25	0	0	4.59	2.66	0.46	33.05	0.366	0	0	0	0	0	0	0	0
CC-J2020_1	7.25	0	0	3.11	4.13	0.5	29.98	0.57	0	0	0	0	0	0	0	0
CC-J2823_1	7.25	0	0	4.33	2.91	0.22	21.03	0.401	0	0	0	0	0	0	0	0
CC-J2737_1	7.25	0	0	4.53	2.72	0.42	43.68	0.375	0	0	0	0	0	0	0	0
CC-J2737_2	7.25	0	0	3.22	4.01	0.38	26.72	0.553	0	0	0	0	0	0	0	0
CC-J2043_2	7.25	0	0	3.32	3.93	0.49	33.52	0.542	0	0	0	0	0	0	0	0
CC-gr14	7.25	0	0	3.43	3.82	0.42	30.34	0.527	0	0	0	0	0	0	0	0
CC-J2034_1	7.25	0	0	4.62	2.63	0.25	25.97	0.363	0	0	0	0	0	0	0	0
CC-J2045_1	7.25	0	0	3.78	3.47	0.41	36.28	0.478	0	0	0	0	0	0	0	0
CC-J2020_2	7.25	0	0	3.69	3.56	1.31	83.77	0.491	0	0	0	0	0	0	0	0
CC-J2020_3	7.25	0	0	2.97	4.27	0.41	28.27	0.589	0	0	0	0	0	0	0	0
CC-J14	7.25	0	0	4.54	2.7	0.39	30.07	0.373	0	0	0	0	0	0	0	0
CC-J2032_2	7.25	0	0	4.81	2.43	0.19	17.99	0.336	0	0	0	0	0	0	0	0
CC-J2753	7.25	0	0	3.35	3.9	0.61	47.34	0.538	0	0	0	0	0	0	0	0
UT1-2944_1	7.25	0	0	4	3.25	0.53	37.54	0.448	0	0	0	0	0	0	0	0
BC-3839	7.25	0	0	3.53	3.71	0.35	25	0.512	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2823_2	7.25	0	0	3.91	3.33	0.56	34.36	0.46	0	0	0	0	0	0	0	0
CC-J2058	7.25	0	0	3.67	3.58	0.84	48.9	0.494	0	0	0	0	0	0	0	0
CC-J2705	7.25	0	0	2.96	4.28	0.37	25.8	0.591	0	0	0	0	0	0	0	0
CC-J2050_1	7.25	0	0	3.2	4.04	0.36	24.64	0.557	0	0	0	0	0	0	0	0
CC-J2018_2	7.25	0	0	3.38	3.86	0.75	53.17	0.533	0	0	0	0	0	0	0	0
CC-J2024_2	7.25	0	0	4.57	2.67	0.33	24.66	0.368	0	0	0	0	0	0	0	0
CC-J2034_2	7.25	0	0	4.1	3.14	0.33	23.88	0.434	0	0	0	0	0	0	0	0
CC-J2024_3	7.25	0	0	5.1	2.15	0.17	15.1	0.296	0	0	0	0	0	0	0	0
UT1-2944_2	7.25	0	0	3.9	3.35	0.44	39.43	0.462	0	0	0	0	0	0	0	0
CC-J2050_2	7.25	0	0	3.06	4.18	0.39	27.08	0.577	0	0	0	0	0	0	0	0
CC-J2045_2	7.25	0	0	3.56	3.69	0.43	34.61	0.508	0	0	0	0	0	0	0	0
CC-J2050_3	7.25	0	0	3.52	3.71	0.59	42.42	0.512	0	0	0	0	0	0	0	0
UT9-1_1	7.25	0	0	4.71	2.54	0.21	18.93	0.35	0	0	0	0	0	0	0	0
CC-J2071	7.25	0	0	3.03	4.21	0.45	29.83	0.581	0	0	0	0	0	0	0	0
UT9-1_2	7.25	0	0	5.04	2.21	0.34	38.34	0.305	0	0	0	0	0	0	0	0
UT9-104_1	7.25	0	0	4.84	2.41	0.56	35.79	0.332	0	0	0	0	0	0	0	0
CC-J2803	7.25	0	0	3.76	3.48	0.41	36.46	0.481	0	0	0	0	0	0	0	0
UT9-106_1	7.25	0	0	4.03	3.21	0.61	37.28	0.443	0	0	0	0	0	0	0	0
UT9-106_2	7.25	0	0	4.22	3.03	0.88	59.2	0.418	0	0	0	0	0	0	0	0
UT9-106_3	7.25	0	0	4.73	2.52	0.18	13.18	0.348	0	0	0	0	0	0	0	0
CC-J2087	7.25	0	0	4.13	3.12	0.77	64.17	0.43	0	0	0	0	0	0	0	0
CC-J2024_4	7.25	0	0	3.13	4.1	0.29	22.1	0.565	0	0	0	0	0	0	0	0
CC-J2060	7.25	0	0	4.91	2.34	0.65	47.34	0.322	0	0	0	0	0	0	0	0
UT1-2802	7.25	0	0	2.19	5.04	0.38	23.69	0.696	0	0	0	0	0	0	0	0
UT9-1_3	7.25	0	0	4.84	2.4	0.31	24.3	0.332	0	0	0	0	0	0	0	0
CC-J2692	7.25	0	0	2.97	4.27	0.78	57.25	0.589	0	0	0	0	0	0	0	0
CC-J2096	7.25	0	0	3.57	3.66	0.34	22.01	0.505	0	0	0	0	0	0	0	0
CC-J2112_1	7.25	0	0	3.76	3.49	0.85	64.03	0.481	0	0	0	0	0	0	0	0
UT1-2098_1	7.25	0	0	3.63	3.62	0.55	41.08	0.499	0	0	0	0	0	0	0	0
UT2-2107_1	7.25	0	0	3.74	3.51	0.38	25.71	0.485	0	0	0	0	0	0	0	0
BC-3906	7.25	0	0	3.63	3.61	0.53	26.39	0.498	0	0	0	0	0	0	0	0
CC-J3020	7.25	0	0	3.34	3.9	0.76	47.29	0.538	0	0	0	0	0	0	0	0
UT9-109_1	7.25	0	0	5.22	2.03	0.63	54.23	0.28	0	0	0	0	0	0	0	0
CC-J1	7.25	0	0	3.89	3.35	0.37	25.32	0.462	0	0	0	0	0	0	0	0
CC-J2076_1	7.25	0	0	3.56	3.68	0.65	37.8	0.508	0	0	0	0	0	0	0	0
CC-J2997	7.25	0	0	3.63	3.61	0.42	29.67	0.498	0	0	0	0	0	0	0	0
UT2-2107_2	7.25	0	0	3.66	3.59	0.33	19.92	0.495	0	0	0	0	0	0	0	0
UT9-9	7.25	0	0	5.54	1.71	0.24	27.92	0.236	0	0	0	0	0	0	0	0
UT9-6_1	7.25	0	0	5.49	1.76	0.13	16.38	0.243	0	0	0	0	0	0	0	0
CC-J2995_1	7.25	0	0	3.77	3.47	0.67	49.31	0.479	0	0	0	0	0	0	0	0
UT9-104_2	7.25	0	0	5.12	2.13	0.15	12.37	0.293	0	0	0	0	0	0	0	0
UT9-104_3	7.25	0	0	5.2	2.04	0.22	18.14	0.282	0	0	0	0	0	0	0	0
UT9-5_1	7.25	0	0	4.24	2.99	0.39	29.47	0.413	0	0	0	0	0	0	0	0
CC-J2076_2	7.25	0	0	3.47	3.78	0.29	23.1	0.521	0	0	0	0	0	0	0	0
CC-J2101_1	7.25	0	0	3.97	3.28	0.73	33.83	0.452	0	0	0	0	0	0	0	0
UT9-90_1	7.25	0	0	4.42	2.82	0.55	38.32	0.389	0	0	0	0	0	0	0	0
UT1-2089_1	7.25	0	0	3.93	3.32	0.26	20.04	0.458	0	0	0	0	0	0	0	0
UT9-106_4	7.25	0	0	5.03	2.23	0.21	18.52	0.307	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT9-3	7.25	0	0	5.27	1.98	0.21	23.44	0.274	0	0	0	0	0	0	0	0
UT1-2089_2	7.25	0	0	4.08	3.17	0.73	50.87	0.437	0	0	0	0	0	0	0	0
CC-J2116_1	7.25	0	0	4.5	2.74	0.59	47.16	0.379	0	0	0	0	0	0	0	0
UT2-2125	7.25	0	0	4.06	3.19	0.63	52.22	0.44	0	0	0	0	0	0	0	0
UT2-2107_3	7.25	0	0	3.86	3.39	0.36	31.25	0.467	0	0	0	0	0	0	0	0
UT2-2107_4	7.25	0	0	4.2	3.05	0.26	19.88	0.421	0	0	0	0	0	0	0	0
CC-J2103_1	7.25	0	0	4.54	2.7	0.37	31.21	0.373	0	0	0	0	0	0	0	0
CC-J2094_1	7.25	0	0	2.98	4.25	0.51	29.83	0.586	0	0	0	0	0	0	0	0
CC-J2094_2	7.25	0	0	3.55	3.7	0.21	17.13	0.51	0	0	0	0	0	0	0	0
UT9-92_1	7.25	0	0	4.04	3.21	0.83	62.49	0.442	0	0	0	0	0	0	0	0
CC-J2101_2	7.25	0	0	3.84	3.41	0.35	25.26	0.47	0	0	0	0	0	0	0	0
UT9-151	7.25	0	0	4.29	2.95	0.27	18.03	0.407	0	0	0	0	0	0	0	0
UT9-5_2	7.25	0	0	4.29	2.95	0.26	20.92	0.407	0	0	0	0	0	0	0	0
CC-J2101_3	7.25	0	0	3.73	3.52	0.26	17.11	0.486	0	0	0	0	0	0	0	0
UT1-2098_2	7.25	0	0	3.95	3.3	0.31	20.69	0.455	0	0	0	0	0	0	0	0
UT9-109_2	7.25	0	0	4.3	2.95	0.19	14.32	0.407	0	0	0	0	0	0	0	0
UT9-114	7.25	0	0	5.4	1.85	0.49	42.17	0.255	0	0	0	0	0	0	0	0
CC-J2103_2	7.25	0	0	4.59	2.66	0.18	17.36	0.367	0	0	0	0	0	0	0	0
UT9-2_1	7.25	0	0	5.33	1.91	0.24	22.5	0.264	0	0	0	0	0	0	0	0
UT2-2107_5	7.25	0	0	4	3.25	0.38	22.69	0.449	0	0	0	0	0	0	0	0
CC-J2116_2	7.25	0	0	4.89	2.36	0.18	17.4	0.326	0	0	0	0	0	0	0	0
CC-J2116_3	7.25	0	0	4.14	3.1	0.25	21.19	0.428	0	0	0	0	0	0	0	0
CC-J2112_2	7.25	0	0	3.74	3.51	0.24	14.41	0.484	0	0	0	0	0	0	0	0
UT1-2121	7.25	0	0	3.96	3.29	0.39	26.9	0.454	0	0	0	0	0	0	0	0
CC-J2114_1	7.25	0	0	3.26	3.99	0.33	21.67	0.55	0	0	0	0	0	0	0	0
CC-J2140	7.25	0	0	4.12	3.13	0.26	22.85	0.432	0	0	0	0	0	0	0	0
UT9-109_3	7.25	0	0	5.01	2.24	0.31	30.74	0.309	0	0	0	0	0	0	0	0
CC-MASJ2149	7.25	0	0	4.07	3.18	0.38	28.26	0.438	0	0	0	0	0	0	0	0
CC-J2123	7.25	0	0	3.45	3.79	0.3	21.5	0.523	0	0	0	0	0	0	0	0
UT1-2878_1	7.25	0	0	3.22	4.02	0.21	15.05	0.555	0	0	0	0	0	0	0	0
CC-J2136_1	7.25	0	0	4.49	2.76	0.27	24.04	0.38	0	0	0	0	0	0	0	0
UT9-4_1	7.25	0	0	4.8	2.44	0.23	21.01	0.337	0	0	0	0	0	0	0	0
UT2-2134	7.25	0	0	3.91	3.34	0.35	24.05	0.46	0	0	0	0	0	0	0	0
CC-J2160_1	7.25	0	0	3.37	3.87	0.54	29.14	0.534	0	0	0	0	0	0	0	0
CC-J2114_2	7.25	0	0	3.96	3.29	0.34	21.38	0.454	0	0	0	0	0	0	0	0
CC-J2995_2	7.25	0	0	3.68	3.57	0.29	18.51	0.492	0	0	0	0	0	0	0	0
CC-J2136_2	7.25	0	0	4.41	2.84	0.25	24.6	0.391	0	0	0	0	0	0	0	0
UT1-2183	7.25	0	0	3.85	3.4	0.9	73.21	0.469	0	0	0	0	0	0	0	0
CC-J2136_3	7.25	0	0	4.77	2.47	0.19	20.34	0.341	0	0	0	0	0	0	0	0
UT2-2153	7.25	0	0	4.12	3.13	0.28	20.55	0.432	0	0	0	0	0	0	0	0
CC-J2158	7.25	0	0	3.56	3.69	0.35	24.25	0.509	0	0	0	0	0	0	0	0
CC-MASJ2814	7.25	0	0	3.35	3.89	0.11	8.4	0.537	0	0	0	0	0	0	0	0
UT6-11_1	7.25	0	0	3.21	4.02	0.39	24.41	0.555	0	0	0	0	0	0	0	0
CC-MASJ2187	7.25	0	0	4.17	3.08	0.62	47.06	0.425	0	0	0	0	0	0	0	0
UT9-12	7.25	0	0	4.93	2.32	0.84	83.77	0.32	0	0	0	0	0	0	0	0
CC-J2160_2	7.25	0	0	3.72	3.53	0.29	15.95	0.486	0	0	0	0	0	0	0	0
UT1-2878_2	7.25	0	0	3.58	3.66	0.48	38.44	0.505	0	0	0	0	0	0	0	0
UT1-2878_3	7.25	0	0	4.02	3.23	0.36	20.32	0.446	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2170_1	7.25	0	0	3.53	3.71	0.58	35.8	0.512	0	0	0	0	0	0	0	0
CC-J2170_2	7.25	0	0	3.99	3.26	0.23	16.65	0.45	0	0	0	0	0	0	0	0
UT2-2162_1	7.25	0	0	3.95	3.3	0.37	24.3	0.455	0	0	0	0	0	0	0	0
CC-J2174	7.25	0	0	3.55	3.69	0.26	16.2	0.509	0	0	0	0	0	0	0	0
UT9-92_2	7.25	0	0	4.65	2.6	0.22	16.67	0.358	0	0	0	0	0	0	0	0
UT9-18_1	7.25	0	0	5.39	1.86	0.25	33.21	0.256	0	0	0	0	0	0	0	0
UT9-101_1	7.25	0	0	3.61	3.62	0.45	28.96	0.5	0	0	0	0	0	0	0	0
UT9-6_2	7.25	0	0	5.2	2.05	0.31	30.1	0.283	0	0	0	0	0	0	0	0
CC-J2185_1	7.25	0	0	3.72	3.53	0.38	24.56	0.487	0	0	0	0	0	0	0	0
CC-J2729	7.25	0	0	3.46	3.78	0.36	26.31	0.522	0	0	0	0	0	0	0	0
CC-MASJ2703_1	7.25	0	0	3.94	3.31	0.35	31.93	0.456	0	0	0	0	0	0	0	0
UT9-7	7.25	0	0	5.11	2.14	0.22	20.75	0.295	0	0	0	0	0	0	0	0
UT2-2162_2	7.25	0	0	3.89	3.36	0.32	25.4	0.464	0	0	0	0	0	0	0	0
UT1-2197	7.25	0	0	4.06	3.19	0.54	47.3	0.44	0	0	0	0	0	0	0	0
UT2-2220	7.25	0	0	3.87	3.38	0.85	64.97	0.466	0	0	0	0	0	0	0	0
CC-J2170_3	7.25	0	0	3.91	3.34	0.27	18.68	0.461	0	0	0	0	0	0	0	0
UT6-19_1	7.25	0	0	4.49	2.75	0.35	29.14	0.38	0	0	0	0	0	0	0	0
CC-MASJ2703_2	7.25	0	0	3.43	3.81	0.27	20.55	0.526	0	0	0	0	0	0	0	0
UT9-92_3	7.25	0	0	5.07	2.18	0.25	24.73	0.301	0	0	0	0	0	0	0	0
UT9-8	7.25	0	0	4.5	2.74	0.25	21.24	0.378	0	0	0	0	0	0	0	0
UT1-2243_1	7.25	0	0	4.05	3.2	0.37	23.97	0.441	0	0	0	0	0	0	0	0
CC-MASJ2191	7.25	0	0	3.92	3.32	0.55	41.49	0.458	0	0	0	0	0	0	0	0
UT9-2_2	7.25	0	0	5.36	1.89	0.21	21.34	0.26	0	0	0	0	0	0	0	0
CC-J2227_1	7.25	0	0	3.63	3.62	0.65	52.32	0.499	0	0	0	0	0	0	0	0
CC-J2185_2	7.25	0	0	3.65	3.6	0.73	45.74	0.496	0	0	0	0	0	0	0	0
CC-J2216_1	7.25	0	0	3.59	3.65	0.45	24.52	0.504	0	0	0	0	0	0	0	0
CC-J2227_2	7.25	0	0	3.44	3.81	0.3	21.62	0.525	0	0	0	0	0	0	0	0
UT9-4_2	7.25	0	0	5.24	2.01	0.47	48.96	0.277	0	0	0	0	0	0	0	0
UT9-10	7.25	0	0	4.8	2.45	0.44	33.76	0.337	0	0	0	0	0	0	0	0
CC-J2214	7.25	0	0	3.79	3.46	0.56	35.15	0.477	0	0	0	0	0	0	0	0
CC-J2237_1	7.25	0	0	3.12	4.13	0.54	40.68	0.569	0	0	0	0	0	0	0	0
UT9-13_1	7.25	0	0	5.05	2.2	0.27	20.37	0.304	0	0	0	0	0	0	0	0
UT1-2207	7.25	0	0	3.8	3.45	0.52	35.53	0.476	0	0	0	0	0	0	0	0
CC-J2223_1	7.25	0	0	3.65	3.6	0.25	16.53	0.497	0	0	0	0	0	0	0	0
UT6-11_2	7.25	0	0	4.94	2.3	1.01	83.3	0.318	0	0	0	0	0	0	0	0
CC-J2807	7.25	0	0	3.86	3.39	0.43	35.25	0.468	0	0	0	0	0	0	0	0
UT9-13_2	7.25	0	0	4.44	2.8	0.39	30.02	0.387	0	0	0	0	0	0	0	0
UT9-90_2	7.25	0	0	5.4	1.85	0.2	21.74	0.256	0	0	0	0	0	0	0	0
UT6-19_2	7.25	0	0	4.27	2.97	0.36	24.81	0.409	0	0	0	0	0	0	0	0
UT6-19_3	7.25	0	0	4.59	2.65	0.26	22.69	0.366	0	0	0	0	0	0	0	0
UT6-109	7.25	0	0	5.2	2.05	0.28	25.63	0.283	0	0	0	0	0	0	0	0
UT1-2243_2	7.25	0	0	3.31	3.93	0.49	35.2	0.543	0	0	0	0	0	0	0	0
UT1-2243_3	7.25	0	0	3.9	3.34	0.39	29.75	0.461	0	0	0	0	0	0	0	0
CC-J2246	7.25	0	0	3.66	3.59	0.38	32.64	0.495	0	0	0	0	0	0	0	0
UT6-11_3	7.25	0	0	4.72	2.53	0.22	22.63	0.349	0	0	0	0	0	0	0	0
UT9-18_2	7.25	0	0	5.07	2.18	0.17	15.96	0.3	0	0	0	0	0	0	0	0
CC-J2290_1	7.25	0	0	3.72	3.53	0.49	34.55	0.486	0	0	0	0	0	0	0	0
UT9-18_3	7.25	0	0	5.12	2.13	0.21	20.02	0.293	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT1-2250_1	7.25	0	0	3.54	3.71	1.1	83.7	0.512	0	0	0	0	0	0	0	0
CC-J2223_2	7.25	0	0	4.03	3.22	0.41	27.16	0.444	0	0	0	0	0	0	0	0
UT9-90_3	7.25	0	0	4.74	2.51	0.18	18.89	0.347	0	0	0	0	0	0	0	0
UT6-19_4	7.25	0	0	5.15	2.1	0.34	27.92	0.289	0	0	0	0	0	0	0	0
CC-J2216_2	7.25	0	0	3.91	3.34	0.46	30.43	0.461	0	0	0	0	0	0	0	0
UT4-170	7.25	0	0	3.7	3.54	0.99	66.24	0.489	0	0	0	0	0	0	0	0
CC-J3_1	7.25	0	0	2.97	4.26	0.46	32	0.588	0	0	0	0	0	0	0	0
UT9-92_4	7.25	0	0	4.79	2.46	0.26	25.14	0.339	0	0	0	0	0	0	0	0
UT2-2252_1	7.25	0	0	3.95	3.3	0.3	19.51	0.455	0	0	0	0	0	0	0	0
CC-J2272	7.25	0	0	3.58	3.67	0.34	21.65	0.506	0	0	0	0	0	0	0	0
CC-J2269	7.25	0	0	3.68	3.56	0.7	44.99	0.491	0	0	0	0	0	0	0	0
CC-J2237_2	7.25	0	0	3.99	3.25	0.37	30.72	0.449	0	0	0	0	0	0	0	0
UT9-90_4	7.25	0	0	5.16	2.09	0.27	23.38	0.289	0	0	0	0	0	0	0	0
UT9-92_5	7.25	0	0	4.87	2.38	0.44	39.94	0.329	0	0	0	0	0	0	0	0
UT2-2252_2	7.25	0	0	3.82	3.43	0.48	37.57	0.473	0	0	0	0	0	0	0	0
UT2-2252_3	7.25	0	0	3.93	3.32	0.45	31.78	0.459	0	0	0	0	0	0	0	0
UT6-152	7.25	0	0	5.38	1.86	0.35	33.67	0.257	0	0	0	0	0	0	0	0
UT1-2250_2	7.25	0	0	3.34	3.9	0.53	30.26	0.538	0	0	0	0	0	0	0	0
UT9-86_1	7.25	0	0	5.13	2.12	0.44	45.74	0.293	0	0	0	0	0	0	0	0
CC-J2274	7.25	0	0	3.43	3.82	0.39	27.7	0.526	0	0	0	0	0	0	0	0
UT9-92_6	7.25	0	0	5.33	1.92	0.4	36.97	0.265	0	0	0	0	0	0	0	0
UT9-101_2	7.25	0	0	4.5	2.74	0.28	25.35	0.378	0	0	0	0	0	0	0	0
UT9-101_3	7.25	0	0	4.75	2.5	0.55	46.19	0.345	0	0	0	0	0	0	0	0
UT9-24	7.25	0	0	4.33	2.92	0.36	27.33	0.402	0	0	0	0	0	0	0	0
CC-J2290_2	7.25	0	0	3.39	3.85	0.68	44.25	0.532	0	0	0	0	0	0	0	0
UT3-20_1	7.25	0	0	3.51	3.73	1.37	98.82	0.514	0	0	0	0	0	0	0	0
UT9-17_1	7.25	0	0	4.21	3.04	0.31	26.05	0.419	0	0	0	0	0	0	0	0
UT9-17_2	7.25	0	0	4.7	2.54	0.64	52.62	0.351	0	0	0	0	0	0	0	0
UT9-17_3	7.25	0	0	4.75	2.5	0.4	31.98	0.345	0	0	0	0	0	0	0	0
UT9-13_3	7.25	0	0	4.63	2.62	0.48	36.23	0.361	0	0	0	0	0	0	0	0
UT9-88_1	7.25	0	0	5.15	2.1	0.25	24.84	0.29	0	0	0	0	0	0	0	0
UT4-15	7.25	0	0	3.8	3.45	0.3	21.49	0.476	0	0	0	0	0	0	0	0
UT4-23_1	7.25	0	0	3.87	3.38	0.59	51.18	0.466	0	0	0	0	0	0	0	0
UT4-14	7.25	0	0	2.96	4.28	0.31	20.55	0.59	0	0	0	0	0	0	0	0
UT9-88_2	7.25	0	0	5.05	2.2	0.42	32.38	0.304	0	0	0	0	0	0	0	0
UT4-23_2	7.25	0	0	3.8	3.45	0.32	26.74	0.475	0	0	0	0	0	0	0	0
CC-J3_2	7.25	0	0	4.17	3.08	0.43	36.25	0.425	0	0	0	0	0	0	0	0
UT4-35_1	7.25	0	0	3.66	3.59	0.29	21.55	0.495	0	0	0	0	0	0	0	0
UT4-35_2	7.25	0	0	4.02	3.22	0.42	27.48	0.445	0	0	0	0	0	0	0	0
UT4-23_3	7.25	0	0	3.87	3.38	0.52	33.53	0.466	0	0	0	0	0	0	0	0
CC-J3_3	7.25	0	0	4.41	2.84	0.25	17.79	0.392	0	0	0	0	0	0	0	0
UT9-86_2	7.25	0	0	5.22	2.03	0.22	21.62	0.28	0	0	0	0	0	0	0	0
UT3-30_1	7.25	0	0	4.09	3.16	0.59	37.35	0.435	0	0	0	0	0	0	0	0
UT9-22	7.25	0	0	5.02	2.23	0.34	28.51	0.308	0	0	0	0	0	0	0	0
UT9-88_3	7.25	0	0	5.26	1.99	0.32	31.81	0.274	0	0	0	0	0	0	0	0
UT4-35_3	7.25	0	0	3.69	3.56	0.79	54.03	0.491	0	0	0	0	0	0	0	0
UT3-31	7.25	0	0	3.93	3.32	0.77	69.1	0.457	0	0	0	0	0	0	0	0
UT6-150	7.25	0	0	5.29	1.96	0.2	19.08	0.27	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT6-34_1	7.25	0	0	4.55	2.7	0.47	44.53	0.372	0	0	0	0	0	0	0	0
UT4-40_1	7.25	0	0	3.58	3.67	0.81	52.17	0.506	0	0	0	0	0	0	0	0
UT8-102_1	7.25	0	0	5.05	2.2	0.82	76.2	0.303	0	0	0	0	0	0	0	0
UT6-27	7.25	0	0	5.46	1.79	0.36	39.46	0.247	0	0	0	0	0	0	0	0
UT6-2_Rev_1	7.25	0	0	5.29	1.96	0.36	35.08	0.27	0	0	0	0	0	0	0	0
UT6-26_1	7.25	0	0	4.4	2.85	0.32	23.55	0.393	0	0	0	0	0	0	0	0
UT6-34_2	7.25	0	0	5.49	1.75	0.14	14.04	0.242	0	0	0	0	0	0	0	0
UT6-143	7.25	0	0	5.48	1.77	0.15	15.4	0.244	0	0	0	0	0	0	0	0
UT6-110_1	7.25	0	0	5.36	1.89	0.26	29.54	0.261	0	0	0	0	0	0	0	0
UT3-20_2	7.25	0	0	3.73	3.51	0.42	27.86	0.485	0	0	0	0	0	0	0	0
UT4-32	7.25	0	0	3.5	3.74	0.44	26.99	0.516	0	0	0	0	0	0	0	0
UT6-33_1	7.25	0	0	5.07	2.18	0.32	34.93	0.301	0	0	0	0	0	0	0	0
UT8-94	7.25	0	0	4.74	2.51	0.39	39.83	0.346	0	0	0	0	0	0	0	0
UT8-98_1	7.25	0	0	5.13	2.12	0.19	18.4	0.292	0	0	0	0	0	0	0	0
UT4-42	7.25	0	0	3.79	3.46	0.25	17.95	0.478	0	0	0	0	0	0	0	0
UT3-13	7.25	0	0	4.26	2.99	0.45	34.12	0.413	0	0	0	0	0	0	0	0
UT3-39	7.25	0	0	3.44	3.8	0.27	18.68	0.525	0	0	0	0	0	0	0	0
UT3-180_1	7.25	0	0	4.42	2.82	0.31	21.99	0.389	0	0	0	0	0	0	0	0
UT3-162	7.25	0	0	4.04	3.2	0.52	41.06	0.442	0	0	0	0	0	0	0	0
UT6-2_Rev_2	7.25	0	0	5.74	1.51	0.11	12.74	0.208	0	0	0	0	0	0	0	0
UT4-38	7.25	0	0	3.97	3.28	0.86	50.7	0.453	0	0	0	0	0	0	0	0
UT6-33_2	7.25	0	0	4.8	2.45	0.32	31.61	0.338	0	0	0	0	0	0	0	0
UT6-34_3	7.25	0	0	4.43	2.82	0.43	30.46	0.389	0	0	0	0	0	0	0	0
UT6-135	7.25	0	0	4.67	2.57	0.18	17.78	0.355	0	0	0	0	0	0	0	0
UT8-98_2	7.25	0	0	5.05	2.2	0.3	22.14	0.303	0	0	0	0	0	0	0	0
UT3-5_Rev_1	7.25	0	0	3.34	3.91	0.29	20.82	0.539	0	0	0	0	0	0	0	0
UT6-184	7.25	0	0	5.29	1.96	0.63	69.77	0.271	0	0	0	0	0	0	0	0
UT6-26_2	7.25	0	0	4.48	2.76	0.29	25.08	0.381	0	0	0	0	0	0	0	0
UT4-107_1	7.25	0	0	3.79	3.46	0.59	51.18	0.477	0	0	0	0	0	0	0	0
UT9-86_3	7.25	0	0	5.2	2.04	0.33	18.23	0.282	0	0	0	0	0	0	0	0
UT4-35_4	7.25	0	0	3.61	3.64	0.37	27.35	0.502	0	0	0	0	0	0	0	0
UT6-37_1	7.25	0	0	5.01	2.24	0.66	61.78	0.309	0	0	0	0	0	0	0	0
UT4-107_2	7.25	0	0	3.92	3.33	0.62	53.74	0.459	0	0	0	0	0	0	0	0
UT3-5_Rev_2	7.25	0	0	3.98	3.27	0.52	34.92	0.451	0	0	0	0	0	0	0	0
UT3-49	7.25	0	0	3.58	3.66	0.32	22.65	0.505	0	0	0	0	0	0	0	0
UT6-37_2	7.25	0	0	4.93	2.32	0.25	21.72	0.32	0	0	0	0	0	0	0	0
UT3-47	7.25	0	0	3.21	4.03	0.77	51.58	0.556	0	0	0	0	0	0	0	0
UT6-43_1	7.25	0	0	5.03	2.22	0.2	20.27	0.306	0	0	0	0	0	0	0	0
UT6-8_Rev_1	7.25	0	0	4.56	2.69	0.42	25.86	0.371	0	0	0	0	0	0	0	0
UT6-45	7.25	0	0	5	2.25	0.22	20.58	0.31	0	0	0	0	0	0	0	0
UT6-43_2	7.25	0	0	4.74	2.51	0.18	16.66	0.346	0	0	0	0	0	0	0	0
UT6-175	7.25	0	0	5.27	1.98	0.16	19.22	0.273	0	0	0	0	0	0	0	0
UT6-183	7.25	0	0	4.56	2.69	0.39	40.23	0.371	0	0	0	0	0	0	0	0
UT6-149_Rev	7.25	0	0	4.62	2.63	0.27	29.15	0.363	0	0	0	0	0	0	0	0
UT6-8_Rev_2	7.25	0	0	4.88	2.37	0.32	22.32	0.327	0	0	0	0	0	0	0	0
UT4-36	7.25	0	0	4.3	2.95	0.83	51.5	0.407	0	0	0	0	0	0	0	0
UT6-134_1	7.25	0	0	4.95	2.3	0.25	24.55	0.317	0	0	0	0	0	0	0	0
UT6-43_3	7.25	0	0	4.99	2.26	0.29	32.14	0.312	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT6-73_1	7.25	0	0	4.75	2.5	0.19	16.62	0.345	0	0	0	0	0	0	0	0
UT6-56_1	7.25	0	0	4.99	2.26	0.31	21.97	0.312	0	0	0	0	0	0	0	0
UT6-2_Rev_3	7.25	0	0	4.1	3.14	0.42	37.95	0.433	0	0	0	0	0	0	0	0
UT6-1_Rev_1	7.25	0	0	5.08	2.16	0.21	15.26	0.298	0	0	0	0	0	0	0	0
UT8-102_2	7.25	0	0	4.71	2.54	0.56	45.86	0.351	0	0	0	0	0	0	0	0
UT4-41_1	7.25	0	0	2.73	4.5	0.51	30.82	0.621	0	0	0	0	0	0	0	0
UT6-73_2	7.25	0	0	4.64	2.61	0.64	62.53	0.36	0	0	0	0	0	0	0	0
UT8-102_3	7.25	0	0	4.55	2.7	0.41	40.64	0.372	0	0	0	0	0	0	0	0
UT6-7_Rev_1	7.25	0	0	5.06	2.19	0.33	39.25	0.301	0	0	0	0	0	0	0	0
UT3-5_Rev_3	7.25	0	0	3.88	3.37	0.34	29.5	0.464	0	0	0	0	0	0	0	0
UT6-6_Rev_1	7.25	0	0	5.15	2.09	0.22	18.79	0.289	0	0	0	0	0	0	0	0
UT6-1_Rev_2	7.25	0	0	4.94	2.3	0.24	20.33	0.317	0	0	0	0	0	0	0	0
UT6-7_Rev_2	7.25	0	0	4.53	2.71	0.52	32.78	0.374	0	0	0	0	0	0	0	0
UT6-56_2	7.25	0	0	4.28	2.97	0.64	44.49	0.409	0	0	0	0	0	0	0	0
UT3-30_2	7.25	0	0	3.37	3.87	0.39	23.96	0.534	0	0	0	0	0	0	0	0
UT6-1_Rev_3	7.25	0	0	5.07	2.17	0.2	24.45	0.3	0	0	0	0	0	0	0	0
UT6-1_Rev_4	7.25	0	0	4.39	2.86	0.28	27.36	0.394	0	0	0	0	0	0	0	0
UT6-7_Rev_3	7.25	0	0	5.22	2.03	0.28	23.07	0.28	0	0	0	0	0	0	0	0
UT4-41_2	7.25	0	0	3.42	3.82	0.59	42.22	0.527	0	0	0	0	0	0	0	0
UT4-40_2	7.25	0	0	3.54	3.71	0.34	27.43	0.512	0	0	0	0	0	0	0	0
UT6-134_2	7.25	0	0	4.61	2.64	0.36	29.76	0.364	0	0	0	0	0	0	0	0
UT4-125	7.25	0	0	3.96	3.29	0.38	35.13	0.454	0	0	0	0	0	0	0	0
UT6-37_3	7.25	0	0	4.35	2.9	0.24	19.63	0.4	0	0	0	0	0	0	0	0
UT3-176	7.25	0	0	3.82	3.43	0.3	21.73	0.473	0	0	0	0	0	0	0	0
UT3-180_2	7.25	0	0	3.38	3.87	0.63	47.96	0.533	0	0	0	0	0	0	0	0
UT4-59_1	7.25	0	0	3.35	3.89	0.35	22.46	0.537	0	0	0	0	0	0	0	0
UT3-57_1	7.25	0	0	3.83	3.42	0.38	33.43	0.471	0	0	0	0	0	0	0	0
UT4-59_2	7.25	0	0	2.99	4.25	0.66	44.2	0.586	0	0	0	0	0	0	0	0
UT6-110_2	7.25	0	0	4.45	2.79	0.27	20.43	0.385	0	0	0	0	0	0	0	0
UT3-57_2	7.25	0	0	3.65	3.59	0.3	23.03	0.496	0	0	0	0	0	0	0	0
UT4-113_1	7.25	0	0	3.38	3.86	0.29	21.66	0.533	0	0	0	0	0	0	0	0
UT4-55_1	7.25	0	0	4.02	3.23	0.45	34.58	0.445	0	0	0	0	0	0	0	0
UT8-102_4	7.25	0	0	4.64	2.6	0.18	16.67	0.359	0	0	0	0	0	0	0	0
UT4-169_1	7.25	0	0	4.21	3.03	0.29	25.45	0.418	0	0	0	0	0	0	0	0
UT6-52_1	7.25	0	0	5.39	1.86	0.28	34.16	0.256	0	0	0	0	0	0	0	0
UT6-58	7.25	0	0	4.16	3.08	0.55	41.35	0.425	0	0	0	0	0	0	0	0
UT4-181	7.25	0	0	3.41	3.83	1.12	80.36	0.528	0	0	0	0	0	0	0	0
UT4-55_2	7.25	0	0	3.43	3.82	0.33	24.52	0.527	0	0	0	0	0	0	0	0
UT6-8_Rev_3	7.25	0	0	4.07	3.17	0.39	24.05	0.437	0	0	0	0	0	0	0	0
UT4-113_2	7.25	0	0	3.65	3.6	0.5	40.38	0.497	0	0	0	0	0	0	0	0
UT4-123_1	7.25	0	0	2.85	4.39	0.55	34.02	0.605	0	0	0	0	0	0	0	0
UT4-169_2	7.25	0	0	3.77	3.47	0.42	34.23	0.479	0	0	0	0	0	0	0	0
UT8-102_5	7.25	0	0	4.26	2.98	0.35	29.3	0.412	0	0	0	0	0	0	0	0
UT3-51	7.25	0	0	2.8	4.44	0.18	13.15	0.613	0	0	0	0	0	0	0	0
UT3-57_3	7.25	0	0	3.36	3.88	0.37	29.52	0.536	0	0	0	0	0	0	0	0
UT6-52_2	7.25	0	0	4.11	3.14	0.27	19.86	0.433	0	0	0	0	0	0	0	0
UT6-52_3	7.25	0	0	4.68	2.57	0.19	19	0.354	0	0	0	0	0	0	0	0
UT3-54	7.25	0	0	2.86	4.38	0.21	14.25	0.605	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT4-123_2	7.25	0	0	3.7	3.55	0.23	17.77	0.49	0	0	0	0	0	0	0	0
UT4-169_3	7.25	0	0	4.69	2.56	0.43	40.31	0.353	0	0	0	0	0	0	0	0
UT6-69	7.25	0	0	4.73	2.52	0.63	62.48	0.347	0	0	0	0	0	0	0	0
UT3-61_1	7.25	0	0	3.07	4.17	0.39	28.23	0.575	0	0	0	0	0	0	0	0
UT6-8_Rev_4	7.25	0	0	4.81	2.44	0.29	29.21	0.336	0	0	0	0	0	0	0	0
UT4-116_1	7.25	0	0	3.71	3.54	0.59	48.25	0.488	0	0	0	0	0	0	0	0
UT6-64_1	7.25	0	0	5.3	1.94	0.5	56.54	0.268	0	0	0	0	0	0	0	0
UT3-62_1	7.25	0	0	3.61	3.64	0.87	66.58	0.502	0	0	0	0	0	0	0	0
UT3-62_2	7.25	0	0	3.47	3.78	0.53	34.8	0.521	0	0	0	0	0	0	0	0
UT4-67_1	7.25	0	0	3.53	3.72	0.21	14.35	0.512	0	0	0	0	0	0	0	0
UT4-123_3	7.25	0	0	3.42	3.82	0.34	26.7	0.527	0	0	0	0	0	0	0	0
UT4-59_3	7.25	0	0	3.52	3.72	0.68	52.62	0.514	0	0	0	0	0	0	0	0
UT6-76_1	7.25	0	0	5.18	2.07	0.42	34.51	0.285	0	0	0	0	0	0	0	0
UT4-67_2	7.25	0	0	3.79	3.46	0.28	23.3	0.477	0	0	0	0	0	0	0	0
UT4-116_2	7.25	0	0	4.05	3.2	0.37	29.82	0.441	0	0	0	0	0	0	0	0
UT6-74_1	7.25	0	0	4.74	2.5	0.6	44.72	0.345	0	0	0	0	0	0	0	0
UT3-61_2	7.25	0	0	3.39	3.85	1	78.31	0.532	0	0	0	0	0	0	0	0
UT6-6_Rev_2	7.25	0	0	4.96	2.28	0.28	24.72	0.315	0	0	0	0	0	0	0	0
UT6-74_2	7.25	0	0	4.72	2.53	0.59	47.76	0.348	0	0	0	0	0	0	0	0
UT6-77	7.25	0	0	4.4	2.85	0.47	39.63	0.393	0	0	0	0	0	0	0	0
UT4-66_1	7.25	0	0	3.53	3.71	0.49	29.35	0.512	0	0	0	0	0	0	0	0
UT6-64_2	7.25	0	0	5.03	2.22	0.54	59.26	0.306	0	0	0	0	0	0	0	0
UT3-80_1	7.25	0	0	3.37	3.87	0.52	35.55	0.533	0	0	0	0	0	0	0	0
UT6-6_Rev_3	7.25	0	0	5.29	1.96	0.57	68.07	0.271	0	0	0	0	0	0	0	0
UT4-168	7.25	0	0	4.05	3.2	0.4	32.22	0.441	0	0	0	0	0	0	0	0
UT4-137	7.25	0	0	4.47	2.78	0.39	33.56	0.383	0	0	0	0	0	0	0	0
UT3-119	7.25	0	0	3.4	3.85	0.61	49.71	0.531	0	0	0	0	0	0	0	0
UT3-80_2	7.25	0	0	3.32	3.93	0.63	50.09	0.542	0	0	0	0	0	0	0	0
UT6-76_2	7.25	0	0	4.95	2.31	0.4	39.09	0.318	0	0	0	0	0	0	0	0
UT6-76_3	7.25	0	0	4.81	2.44	0.14	12.89	0.336	0	0	0	0	0	0	0	0
UT4-116_3	7.25	0	0	3.2	4.04	0.18	14.11	0.558	0	0	0	0	0	0	0	0
UT7-85_1	7.25	0	0	4.91	2.34	0.32	28.78	0.322	0	0	0	0	0	0	0	0
UT7-85_2	7.25	0	0	4.74	2.51	0.34	27.31	0.346	0	0	0	0	0	0	0	0
UT7-85_3	7.25	0	0	4.73	2.51	0.3	23.98	0.347	0	0	0	0	0	0	0	0
UT6-106	7.25	0	0	5.34	1.91	0.15	19.89	0.264	0	0	0	0	0	0	0	0
UT4-66_2	7.25	0	0	4.31	2.94	0.35	24.68	0.405	0	0	0	0	0	0	0	0
UT6-73_3	7.25	0	0	4.85	2.4	0.16	15.95	0.331	0	0	0	0	0	0	0	0
UT4-105_1	7.25	0	0	3.32	3.93	0.55	41.18	0.542	0	0	0	0	0	0	0	0
UT4-79	7.25	0	0	4.83	2.42	0.48	53.92	0.333	0	0	0	0	0	0	0	0
UT4-68	7.25	0	0	3.35	3.89	0.54	30.42	0.537	0	0	0	0	0	0	0	0
UT6-185	7.25	0	0	5.4	1.85	0.35	35.71	0.255	0	0	0	0	0	0	0	0
UT3-80_3	7.25	0	0	3.1	4.15	0.29	20.31	0.572	0	0	0	0	0	0	0	0
UT6-63	7.25	0	0	5.54	1.71	0.67	64.77	0.236	0	0	0	0	0	0	0	0
UT4-75	7.25	0	0	4.01	3.24	0.41	31.4	0.447	0	0	0	0	0	0	0	0
UT6-104_1	7.25	0	0	4.19	3.06	0.77	62.59	0.422	0	0	0	0	0	0	0	0
UT3-80_4	7.25	0	0	3.6	3.64	0.4	31.45	0.501	0	0	0	0	0	0	0	0
UT3-71	7.25	0	0	3.67	3.58	0.37	23.66	0.493	0	0	0	0	0	0	0	0
UT6-104_2	7.25	0	0	4.53	2.72	0.24	26.47	0.375	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT4-82_1	7.25	0	0	4.23	3.01	0.91	72.51	0.416	0	0	0	0	0	0	0	0
UT7-89_1	7.25	0	0	4.99	2.26	0.19	18	0.312	0	0	0	0	0	0	0	0
UT7-103_1	7.25	0	0	4.88	2.37	0.28	22.49	0.326	0	0	0	0	0	0	0	0
UT6-8_Rev_5	7.25	0	0	4.81	2.44	0.12	13.37	0.336	0	0	0	0	0	0	0	0
UT7-89_2	7.25	0	0	4.82	2.43	0.25	26.26	0.336	0	0	0	0	0	0	0	0
UT6-90_1	7.25	0	0	4.37	2.88	0.41	37.09	0.398	0	0	0	0	0	0	0	0
UT4-83	7.25	0	0	3.17	4.07	0.33	25.09	0.562	0	0	0	0	0	0	0	0
UT6-8_Rev_6	7.25	0	0	4.5	2.75	0.16	14.13	0.379	0	0	0	0	0	0	0	0
UT4-84_1	7.25	0	0	4.53	2.72	0.52	55.14	0.375	0	0	0	0	0	0	0	0
UT4-105_2	7.25	0	0	3.78	3.47	0.24	20.55	0.479	0	0	0	0	0	0	0	0
UT6-81_1	7.25	0	0	4.3	2.95	0.32	28.7	0.407	0	0	0	0	0	0	0	0
UT6-81_2	7.25	0	0	3.68	3.56	0.4	30.28	0.491	0	0	0	0	0	0	0	0
UT6-128_1	7.25	0	0	5.17	2.08	0.41	46.98	0.287	0	0	0	0	0	0	0	0
UT4-84_2	7.25	0	0	4.05	3.2	0.39	33.39	0.441	0	0	0	0	0	0	0	0
UT6-78_Rev_1	7.25	0	0	4.62	2.63	0.5	48.18	0.363	0	0	0	0	0	0	0	0
UT7-89_3	7.25	0	0	4.94	2.31	0.3	21.64	0.318	0	0	0	0	0	0	0	0
UT6-90_2	7.25	0	0	4.91	2.34	0.19	22.96	0.323	0	0	0	0	0	0	0	0
UT6-132	7.25	0	0	4.09	3.15	0.2	16.13	0.435	0	0	0	0	0	0	0	0
UT4-167	7.25	0	0	4.28	2.97	0.5	36.97	0.41	0	0	0	0	0	0	0	0
UT6-78_Rev_2	7.25	0	0	4.23	3.01	0.38	28.07	0.416	0	0	0	0	0	0	0	0
UT6-78_Rev_3	7.25	0	0	4.32	2.93	0.25	22.51	0.405	0	0	0	0	0	0	0	0
UT4-120	7.25	0	0	3.04	4.19	0.19	13.61	0.579	0	0	0	0	0	0	0	0
UT6-122	7.25	0	0	5.15	2.1	0.76	66.66	0.29	0	0	0	0	0	0	0	0
UT4-58	7.25	0	0	3.74	3.51	0.26	19.35	0.484	0	0	0	0	0	0	0	0
UT4-86_1	7.25	0	0	3.42	3.81	0.62	42.94	0.526	0	0	0	0	0	0	0	0
UT6-90_3	7.25	0	0	4.78	2.47	0.12	11.38	0.341	0	0	0	0	0	0	0	0
UT7-117	7.25	0	0	5.32	1.93	1.06	63	0.266	0	0	0	0	0	0	0	0
UT4-82_2	7.25	0	0	4.33	2.92	0.28	23.08	0.403	0	0	0	0	0	0	0	0
UT6-92_1	7.25	0	0	4.69	2.57	0.22	20.19	0.354	0	0	0	0	0	0	0	0
UT4-86_2	7.25	0	0	4.11	3.14	0.17	14.19	0.433	0	0	0	0	0	0	0	0
UT4-88_1	7.25	0	0	4.54	2.71	0.92	74.1	0.374	0	0	0	0	0	0	0	0
UT7-103_2	7.25	0	0	5.28	1.97	0.62	54.43	0.271	0	0	0	0	0	0	0	0
UT6-128_2	7.25	0	0	5.21	2.04	0.15	18.24	0.281	0	0	0	0	0	0	0	0
UT4-84_3	7.25	0	0	3.82	3.43	0.41	34.66	0.473	0	0	0	0	0	0	0	0
UT4-88_2	7.25	0	0	3.34	3.91	0.08	6.53	0.539	0	0	0	0	0	0	0	0
UT4-87	7.25	0	0	4.21	3.04	0.39	27.9	0.419	0	0	0	0	0	0	0	0
UT6-92_2	7.25	0	0	4.65	2.6	0.32	30.93	0.359	0	0	0	0	0	0	0	0
UT4-91_1	7.25	0	0	3.99	3.26	0.37	24.6	0.449	0	0	0	0	0	0	0	0
UT4-91_2	7.25	0	0	3.79	3.45	0.4	33.14	0.476	0	0	0	0	0	0	0	0
UT4-91_3	7.25	0	0	3.79	3.46	0.42	38.28	0.477	0	0	0	0	0	0	0	0
UT4-95_1	7.25	0	0	4.68	2.57	0.25	24.59	0.355	0	0	0	0	0	0	0	0
UT6-93_1	7.25	0	0	4.96	2.29	0.51	40.76	0.316	0	0	0	0	0	0	0	0
UT6-93_2	7.25	0	0	4.81	2.45	0.3	29.5	0.337	0	0	0	0	0	0	0	0
UT6-3	7.25	0	0	4.6	2.65	0.25	20.36	0.365	0	0	0	0	0	0	0	0
UT6-96	7.25	0	0	4.47	2.78	0.19	12.65	0.384	0	0	0	0	0	0	0	0
UT6-127_1	7.25	0	0	4.59	2.66	0.23	18.95	0.366	0	0	0	0	0	0	0	0
UT6-127_2	7.25	0	0	5.23	2.02	0.17	19.51	0.278	0	0	0	0	0	0	0	0
UT6-97	7.25	0	0	5.15	2.1	0.21	16.98	0.289	0	0	0	0	0	0	0	0

Subcatchment SWMM 25-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT5-99_1	7.25	0	0	4.74	2.51	0.52	42.45	0.346	0	0	0	0	0	0	0	0
UT4-100_1	7.25	0	0	4.65	2.6	0.6	54.93	0.359	0	0	0	0	0	0	0	0
UT4-95_2	7.25	0	0	4.51	2.74	0.37	28.37	0.378	0	0	0	0	0	0	0	0
UT4-100_2	7.25	0	0	4.34	2.91	0.47	38.74	0.401	0	0	0	0	0	0	0	0
UT5-99_2	7.25	0	0	3.95	3.3	0.31	20.86	0.455	0	0	0	0	0	0	0	0
CC-MAS1359	7.25	0	0	4.06	3.19	0.16	11.53	0.44	0	0	0	0	0	0	0	0
CC-MASJ127	7.25	0	0	3.95	3.29	0.33	24.78	0.454	0	0	0	0	0	0	0	0
CC-J810	7.25	0	0	3.47	3.78	0.6	40.87	0.521	0	0	0	0	0	0	0	0
CC-J97	7.25	0	0	3.32	3.92	0.18	11.5	0.541	0	0	0	0	0	0	0	0
UT-_1	7.25	0	0	6.19	1.05	6.41	435.37	0.145	0	0	0	0	0	0	0	0
UT-_2	7.25	0	0	5.89	1.36	1.2	179.15	0.188	0	0	0	0	0	0	0	0
UT-816_2	7.25	0	0	6.81	0.44	10.16	516.6	0.06	0	0	0	0	0	0	0	0
BC-1385_2	7.25	0	0	4.03	3.22	0.47	26.43	0.445	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT6-124	9	0	0	6.31	2.69	0.55	50.31	0.299	0	0	0	0	0	0	0	0
PO-763_1	9	0	0	6.54	2.46	22.9	571.91	0.274	0	0	0	0	0	0	0	0
UT-2861	9	0	0	5.43	3.57	12.5	376.99	0.397	0	0	0	0	0	0	0	0
CC-MASJ1365_1	9	0	0	4.07	4.93	0.22	16.32	0.548	0	0	0	0	0	0	0	0
UT-805_1	9	0	0	4.5	4.5	0.67	29.5	0.5	0	0	0	0	0	0	0	0
CC-J779_1	9	0	0	4.27	4.72	2	98.6	0.525	0	0	0	0	0	0	0	0
PO-725	9	0	0	4.24	4.77	0.74	59.73	0.53	0	0	0	0	0	0	0	0
CC-J801	9	0	0	4.35	4.65	0.79	52.34	0.516	0	0	0	0	0	0	0	0
CC-J867_1	9	0	0	4	5	0.69	42.43	0.555	0	0	0	0	0	0	0	0
PO-839	9	0	0	4.37	4.64	1.51	88.3	0.515	0	0	0	0	0	0	0	0
UT-844_1	9	0	0	4.49	4.51	0.34	20.29	0.501	0	0	0	0	0	0	0	0
PO-763_2	9	0	0	4.12	4.88	0.98	54.51	0.542	0	0	0	0	0	0	0	0
CC-J867_2	9	0	0	4.46	4.54	0.59	43.39	0.504	0	0	0	0	0	0	0	0
UT-2820_1	9	0	0	4.46	4.54	0.6	27.14	0.505	0	0	0	0	0	0	0	0
UT-844_2	9	0	0	4.72	4.28	0.48	24.74	0.476	0	0	0	0	0	0	0	0
PO-835	9	0	0	3.99	5.01	1.05	72.35	0.557	0	0	0	0	0	0	0	0
PO-837	9	0	0	3.71	5.29	0.38	28.48	0.587	0	0	0	0	0	0	0	0
UT-805_2	9	0	0	4.67	4.33	0.39	17.37	0.481	0	0	0	0	0	0	0	0
CC-J779_2	9	0	0	4.18	4.81	0.69	49.11	0.535	0	0	0	0	0	0	0	0
UT-844_3	9	0	0	4.39	4.61	0.87	52.17	0.513	0	0	0	0	0	0	0	0
PO-44_1	9	0	0	4.27	4.73	0.36	26.48	0.525	0	0	0	0	0	0	0	0
UT-816_1	9	0	0	4.86	4.14	0.64	38.44	0.461	0	0	0	0	0	0	0	0
CC-J908_1	9	0	0	4.28	4.71	1.65	80.8	0.524	0	0	0	0	0	0	0	0
PO-830_1	9	0	0	3.67	5.33	0.5	34.56	0.592	0	0	0	0	0	0	0	0
PO-830_2	9	0	0	4.1	4.9	0.96	60.54	0.544	0	0	0	0	0	0	0	0
PO-856	9	0	0	4.1	4.9	1.04	51.99	0.544	0	0	0	0	0	0	0	0
UT-988_1	9	0	0	6.75	2.25	3.22	192.17	0.25	0	0	0	0	0	0	0	0
UT-877	9	0	0	5.8	3.2	1.47	116.29	0.355	0	0	0	0	0	0	0	0
UT-860	9	0	0	5.9	3.1	0.61	40.15	0.345	0	0	0	0	0	0	0	0
PO-44_2	9	0	0	4.15	4.85	0.54	33.74	0.539	0	0	0	0	0	0	0	0
UT-832	9	0	0	5.19	3.81	0.44	31.71	0.424	0	0	0	0	0	0	0	0
CC-J75	9	0	0	4.09	4.91	0.15	10.05	0.545	0	0	0	0	0	0	0	0
CC-MASJ888	9	0	0	3.99	5.01	0.24	15.99	0.556	0	0	0	0	0	0	0	0
CC-J69	9	0	0	4.14	4.86	0.78	36.91	0.54	0	0	0	0	0	0	0	0
PO-35_1	9	0	0	4.29	4.72	0.33	23.34	0.524	0	0	0	0	0	0	0	0
CC-J81	9	0	0	6.04	2.96	1.07	69.4	0.329	0	0	0	0	0	0	0	0
CC-MASJ122	9	0	0	5.67	3.33	0.59	36.87	0.37	0	0	0	0	0	0	0	0
CC-J935	9	0	0	6.54	2.46	9.61	330.88	0.273	0	0	0	0	0	0	0	0
CC-J1012	9	0	0	5.34	3.66	0.58	41.44	0.407	0	0	0	0	0	0	0	0
CC-J875_1	9	0	0	4.24	4.76	0.46	30.87	0.529	0	0	0	0	0	0	0	0
UT-2820_2	9	0	0	4.32	4.68	0.41	22.38	0.52	0	0	0	0	0	0	0	0
PO-37	9	0	0	3.68	5.32	1.17	77.96	0.591	0	0	0	0	0	0	0	0
CC-J879_1	9	0	0	4.25	4.75	0.83	49.37	0.527	0	0	0	0	0	0	0	0
CC-J882	9	0	0	4.58	4.42	0.55	34.82	0.491	0	0	0	0	0	0	0	0
CC-J875_2	9	0	0	4.15	4.85	0.25	18.83	0.539	0	0	0	0	0	0	0	0
UT-848	9	0	0	4.79	4.21	0.68	45.6	0.468	0	0	0	0	0	0	0	0
UT-873	9	0	0	6.87	2.13	0.64	58.4	0.237	0	0	0	0	0	0	0	0
PO-35_2	9	0	0	4.11	4.89	1.03	58.14	0.543	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-16042417_1	9	0	0	6.22	2.78	0.8	36.43	0.309	0	0	0	0	0	0	0	0
PO-3007	9	0	0	4.25	4.75	0.39	29.73	0.528	0	0	0	0	0	0	0	0
CC-MASJ130	9	0	0	3.92	5.08	0.57	34.29	0.564	0	0	0	0	0	0	0	0
UT-2857_1	9	0	0	4.7	4.3	0.54	35.5	0.478	0	0	0	0	0	0	0	0
CC-J879_2	9	0	0	4.44	4.56	0.38	26.57	0.507	0	0	0	0	0	0	0	0
CC-J879_3	9	0	0	4.65	4.35	0.67	46.14	0.483	0	0	0	0	0	0	0	0
CC-J879_4	9	0	0	4.3	4.7	0.48	32.35	0.522	0	0	0	0	0	0	0	0
UT-15042417	9	0	0	4.16	4.84	0.33	22.52	0.537	0	0	0	0	0	0	0	0
UT-2857_2	9	0	0	3.94	5.05	0.96	46.83	0.561	0	0	0	0	0	0	0	0
UT-2748	9	0	0	6.02	2.98	0.11	10.17	0.331	0	0	0	0	0	0	0	0
PO-870	9	0	0	4.33	4.67	0.85	52.74	0.519	0	0	0	0	0	0	0	0
UT-921_1	9	0	0	4.63	4.36	0.72	43.61	0.485	0	0	0	0	0	0	0	0
PO-3044	9	0	0	4.1	4.9	0.39	28.64	0.545	0	0	0	0	0	0	0	0
CC-MASJ133	9	0	0	4.29	4.7	0.16	11.52	0.522	0	0	0	0	0	0	0	0
PO-925_1	9	0	0	4.07	4.93	0.49	34.67	0.548	0	0	0	0	0	0	0	0
CC-MASJ135	9	0	0	4.51	4.49	0.18	14.85	0.499	0	0	0	0	0	0	0	0
CC-MASJ126	9	0	0	4.18	4.82	0.31	21.63	0.535	0	0	0	0	0	0	0	0
CC-MASJ129	9	0	0	4.8	4.2	0.28	20.58	0.466	0	0	0	0	0	0	0	0
PO-900	9	0	0	3.57	5.42	0.66	36.92	0.603	0	0	0	0	0	0	0	0
CC-MASJ117	9	0	0	4.2	4.8	0.25	17.48	0.533	0	0	0	0	0	0	0	0
CC-J40	9	0	0	3.67	5.33	0.23	15.3	0.592	0	0	0	0	0	0	0	0
UT-137	9	0	0	4.37	4.63	0.72	39.97	0.514	0	0	0	0	0	0	0	0
UT-896	9	0	0	3.98	5.02	0.47	25.58	0.558	0	0	0	0	0	0	0	0
UT-910	9	0	0	5.51	3.49	0.74	52.88	0.387	0	0	0	0	0	0	0	0
PO-925_2	9	0	0	3.78	5.22	0.36	23.72	0.58	0	0	0	0	0	0	0	0
PO-2886_1	9	0	0	4.2	4.8	0.39	30.94	0.534	0	0	0	0	0	0	0	0
PO-2842	9	0	0	5.95	3.05	0.34	34.05	0.339	0	0	0	0	0	0	0	0
UT-971_1	9	0	0	4.15	4.85	0.81	39.42	0.538	0	0	0	0	0	0	0	0
UT-927	9	0	0	4.61	4.38	0.58	33.46	0.487	0	0	0	0	0	0	0	0
PO-946	9	0	0	5.62	3.38	0.72	56.82	0.376	0	0	0	0	0	0	0	0
UT-2724	9	0	0	4.3	4.7	0.99	60.57	0.523	0	0	0	0	0	0	0	0
PO-964_1	9	0	0	3.49	5.51	0.69	46.77	0.612	0	0	0	0	0	0	0	0
UT-968_1	9	0	0	4.59	4.41	0.73	45.43	0.489	0	0	0	0	0	0	0	0
UT-996	9	0	0	4.48	4.52	1.05	53.82	0.502	0	0	0	0	0	0	0	0
UT-971_2	9	0	0	4.51	4.49	0.58	28.75	0.499	0	0	0	0	0	0	0	0
PO-931	9	0	0	3.85	5.15	0.42	28.12	0.572	0	0	0	0	0	0	0	0
PO-950_1	9	0	0	4.26	4.74	0.5	37.86	0.527	0	0	0	0	0	0	0	0
UT-937	9	0	0	4.18	4.81	0.66	32.58	0.535	0	0	0	0	0	0	0	0
UT-921_2	9	0	0	4.52	4.48	0.42	27.42	0.498	0	0	0	0	0	0	0	0
UT-980	9	0	0	4.58	4.42	0.68	36.25	0.491	0	0	0	0	0	0	0	0
PO-975_1	9	0	0	5.63	3.37	1.08	58.09	0.374	0	0	0	0	0	0	0	0
CC-J955	9	0	0	5.02	3.98	0.56	37.1	0.442	0	0	0	0	0	0	0	0
UT-1023_1	9	0	0	3.77	5.23	0.79	40.76	0.581	0	0	0	0	0	0	0	0
UT-968_2	9	0	0	4.33	4.67	0.35	22.31	0.519	0	0	0	0	0	0	0	0
CC-J879_5	9	0	0	4.43	4.56	0.6	38.12	0.507	0	0	0	0	0	0	0	0
PO-950_2	9	0	0	4.27	4.73	0.68	49.38	0.526	0	0	0	0	0	0	0	0
UT-1023_2	9	0	0	4.06	4.94	0.79	39.61	0.549	0	0	0	0	0	0	0	0
CC-J908_2	9	0	0	4.28	4.71	0.64	44.43	0.523	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-40042417	9	0	0	4.83	4.17	4.76	176.91	0.463	0	0	0	0	0	0	0	0
UT-973_1	9	0	0	4.39	4.62	0.61	34.17	0.513	0	0	0	0	0	0	0	0
UT-973_2	9	0	0	4.5	4.5	0.42	23.91	0.5	0	0	0	0	0	0	0	0
PO-2886_2	9	0	0	4.15	4.85	1.09	72.78	0.539	0	0	0	0	0	0	0	0
PO-964_2	9	0	0	4	5	1.03	67.13	0.555	0	0	0	0	0	0	0	0
UT-959	9	0	0	4.48	4.52	0.88	46.34	0.502	0	0	0	0	0	0	0	0
UT-1023_3	9	0	0	4.29	4.71	0.88	51.04	0.523	0	0	0	0	0	0	0	0
PO-2989_1	9	0	0	6.16	2.84	0.44	50.82	0.316	0	0	0	0	0	0	0	0
CC-MASJ1021_1	9	0	0	4.27	4.73	0.29	19.03	0.526	0	0	0	0	0	0	0	0
PO-964_3	9	0	0	3.95	5.05	0.76	44.99	0.561	0	0	0	0	0	0	0	0
UT-2739	9	0	0	4.42	4.58	0.93	48.25	0.509	0	0	0	0	0	0	0	0
CC-J101	9	0	0	3.55	5.44	0.47	26.47	0.604	0	0	0	0	0	0	0	0
CC-J1043_1	9	0	0	4.25	4.75	1.81	100.25	0.528	0	0	0	0	0	0	0	0
CC-J110	9	0	0	4.2	4.8	0.34	25.61	0.533	0	0	0	0	0	0	0	0
UT-1004	9	0	0	4.34	4.66	1.12	69.29	0.518	0	0	0	0	0	0	0	0
PO-978	9	0	0	4.24	4.76	0.4	31.76	0.529	0	0	0	0	0	0	0	0
UT-1069	9	0	0	4.28	4.72	0.63	27.4	0.524	0	0	0	0	0	0	0	0
CC-J986	9	0	0	4.09	4.91	0.63	40.26	0.545	0	0	0	0	0	0	0	0
UT-1045_1	9	0	0	4.32	4.68	0.46	29.48	0.52	0	0	0	0	0	0	0	0
CC-MASJ1141	9	0	0	4.6	4.39	1.13	67.86	0.488	0	0	0	0	0	0	0	0
CC-MASJ1021_2	9	0	0	4.47	4.52	0.72	38.51	0.502	0	0	0	0	0	0	0	0
UT-988_2	9	0	0	4.28	4.72	0.43	31.12	0.525	0	0	0	0	0	0	0	0
CC-CibIntoCity	9	0	0	5.77	3.23	0.44	39.05	0.359	0	0	0	0	0	0	0	0
PO-1049_1	9	0	0	4.93	4.07	0.52	35.91	0.452	0	0	0	0	0	0	0	0
PO-975_2	9	0	0	6.99	2.01	0.13	12.62	0.224	0	0	0	0	0	0	0	0
CC-J1027_1	9	0	0	3.91	5.09	0.78	42.19	0.565	0	0	0	0	0	0	0	0
UT-1053_1	9	0	0	3.65	5.34	0.26	14.89	0.594	0	0	0	0	0	0	0	0
UT-2882_1	9	0	0	4.34	4.66	0.38	23.35	0.518	0	0	0	0	0	0	0	0
UT-1042417	9	0	0	4.39	4.61	1.35	68.89	0.513	0	0	0	0	0	0	0	0
CC-J1043_2	9	0	0	4.31	4.69	0.67	43.21	0.521	0	0	0	0	0	0	0	0
PO-2899_1	9	0	0	6.86	2.14	0.16	15.57	0.238	0	0	0	0	0	0	0	0
UT-2982_1	9	0	0	4.26	4.74	0.55	41.93	0.527	0	0	0	0	0	0	0	0
CC-J2913_1	9	0	0	6.28	2.73	0.34	42.57	0.303	0	0	0	0	0	0	0	0
UT-2751_1	9	0	0	4.22	4.78	0.58	30.57	0.531	0	0	0	0	0	0	0	0
PO-2989_2	9	0	0	4.23	4.77	0.22	18.2	0.53	0	0	0	0	0	0	0	0
UT-1053_2	9	0	0	4.05	4.94	0.55	31.94	0.549	0	0	0	0	0	0	0	0
PO-2793	9	0	0	6.19	2.81	0.37	43.7	0.312	0	0	0	0	0	0	0	0
CC-J994	9	0	0	3.96	5.04	0.87	45.33	0.56	0	0	0	0	0	0	0	0
CC-J1027_2	9	0	0	3.96	5.04	1.11	64.24	0.56	0	0	0	0	0	0	0	0
PO-975_3	9	0	0	6.08	2.93	0.24	24.8	0.325	0	0	0	0	0	0	0	0
UT-1047	9	0	0	4.61	4.39	0.35	27.97	0.488	0	0	0	0	0	0	0	0
UT-1037	9	0	0	5.57	3.43	1.69	72.53	0.381	0	0	0	0	0	0	0	0
UT-2812	9	0	0	4.33	4.67	0.28	15.6	0.519	0	0	0	0	0	0	0	0
UT-1033	9	0	0	4.18	4.82	0.88	48.18	0.535	0	0	0	0	0	0	0	0
UT-2966_1	9	0	0	4.9	4.1	0.49	22.43	0.456	0	0	0	0	0	0	0	0
PO-2899_2	9	0	0	6.04	2.96	0.25	21.18	0.329	0	0	0	0	0	0	0	0
PO-1049_2	9	0	0	3.76	5.23	1.05	69.34	0.582	0	0	0	0	0	0	0	0
CC-J2913_2	9	0	0	4.41	4.59	0.46	36.59	0.51	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-16042417_2	9	0	0	4.17	4.83	0.39	26.27	0.537	0	0	0	0	0	0	0	0
CC-J143	9	0	0	3.75	5.25	0.74	42.46	0.583	0	0	0	0	0	0	0	0
PO-1031	9	0	0	3.96	5.03	0.62	45.5	0.559	0	0	0	0	0	0	0	0
CC-J1085	9	0	0	4.32	4.68	0.59	34.64	0.52	0	0	0	0	0	0	0	0
PO-1049_3	9	0	0	3.88	5.12	0.46	35.49	0.569	0	0	0	0	0	0	0	0
UT-1000	9	0	0	4.35	4.65	0.56	33.79	0.517	0	0	0	0	0	0	0	0
CC-J1093	9	0	0	4.07	4.93	0.97	54.54	0.548	0	0	0	0	0	0	0	0
UT-2982_2	9	0	0	4.61	4.39	0.23	18.87	0.488	0	0	0	0	0	0	0	0
UT-1102_1	9	0	0	4.34	4.66	0.62	38.13	0.518	0	0	0	0	0	0	0	0
PO-1110_1	9	0	0	6.37	2.63	0.37	36.51	0.293	0	0	0	0	0	0	0	0
CC-J85	9	0	0	4.71	4.29	0.8	66.39	0.477	0	0	0	0	0	0	0	0
CC-J1043_3	9	0	0	4.27	4.73	0.53	38.98	0.525	0	0	0	0	0	0	0	0
CC-J1083	9	0	0	4.05	4.95	0.79	50.63	0.55	0	0	0	0	0	0	0	0
UT-1117	9	0	0	4.6	4.4	0.63	45.28	0.489	0	0	0	0	0	0	0	0
UT-1045_2	9	0	0	4.29	4.71	0.47	32.73	0.524	0	0	0	0	0	0	0	0
PO-1049_4	9	0	0	4.1	4.89	0.47	33.81	0.544	0	0	0	0	0	0	0	0
CC-J2913_3	9	0	0	5.75	3.25	0.22	23.36	0.361	0	0	0	0	0	0	0	0
CC-J2936	9	0	0	4.21	4.79	0.37	31.12	0.532	0	0	0	0	0	0	0	0
UT-1100	9	0	0	4.48	4.52	0.43	19.84	0.502	0	0	0	0	0	0	0	0
UT-1095	9	0	0	4.34	4.66	0.65	39	0.518	0	0	0	0	0	0	0	0
UT-1133	9	0	0	4.11	4.89	0.27	16.04	0.543	0	0	0	0	0	0	0	0
UT-1149	9	0	0	4.4	4.6	0.48	25.73	0.511	0	0	0	0	0	0	0	0
CC-J1138_1	9	0	0	4.18	4.82	0.61	48.65	0.535	0	0	0	0	0	0	0	0
CC-J1190_1	9	0	0	3.93	5.07	0.71	43.71	0.563	0	0	0	0	0	0	0	0
UT-1102_2	9	0	0	4.57	4.43	0.64	35.96	0.492	0	0	0	0	0	0	0	0
CC-J2	9	0	0	5.58	3.41	1.02	89.93	0.379	0	0	0	0	0	0	0	0
PO-2899_3	9	0	0	6.46	2.54	0.1	14.73	0.283	0	0	0	0	0	0	0	0
UT-2882_2	9	0	0	4.6	4.4	0.56	43.2	0.489	0	0	0	0	0	0	0	0
PO-1192_1	9	0	0	4.02	4.98	0.74	54.57	0.553	0	0	0	0	0	0	0	0
PO-1121	9	0	0	4.22	4.79	0.83	53.89	0.532	0	0	0	0	0	0	0	0
PO-1110_2	9	0	0	4.64	4.36	0.78	62.35	0.484	0	0	0	0	0	0	0	0
CC-J113_1	9	0	0	3.84	5.16	0.77	50.39	0.573	0	0	0	0	0	0	0	0
PO-1192_2	9	0	0	4.59	4.41	0.65	35.8	0.49	0	0	0	0	0	0	0	0
PO-1110_3	9	0	0	5.84	3.16	0.98	67.6	0.351	0	0	0	0	0	0	0	0
PO-1192_3	9	0	0	4.37	4.62	0.75	48.04	0.514	0	0	0	0	0	0	0	0
CC-J1143	9	0	0	4.26	4.74	0.77	58.52	0.527	0	0	0	0	0	0	0	0
CC-J1163_1	9	0	0	4.07	4.92	0.78	44.82	0.547	0	0	0	0	0	0	0	0
UT-2954_1	9	0	0	4.29	4.71	0.99	68.48	0.524	0	0	0	0	0	0	0	0
UT-8042417	9	0	0	4.03	4.97	1.1	48.94	0.552	0	0	0	0	0	0	0	0
PO-1110_4	9	0	0	6.58	2.42	0.23	29.77	0.269	0	0	0	0	0	0	0	0
CC-J1151	9	0	0	3.55	5.45	0.54	35.03	0.605	0	0	0	0	0	0	0	0
UT-1197	9	0	0	4.38	4.62	1.09	62.29	0.514	0	0	0	0	0	0	0	0
UT-2751_2	9	0	0	3.68	5.31	0.58	39.94	0.59	0	0	0	0	0	0	0	0
UT-2954_2	9	0	0	4.55	4.45	0.24	19.75	0.495	0	0	0	0	0	0	0	0
UT-1185	9	0	0	4.41	4.59	0.64	46.75	0.51	0	0	0	0	0	0	0	0
PO-1104_1	9	0	0	5.61	3.39	0.37	39.28	0.377	0	0	0	0	0	0	0	0
CC-J141	9	0	0	3.83	5.16	0.46	30.6	0.574	0	0	0	0	0	0	0	0
CC-J113_2	9	0	0	4.11	4.89	0.39	26.54	0.544	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2798	9	0	0	4.21	4.79	0.73	56.18	0.533	0	0	0	0	0	0	0	0
UT-3042417_1	9	0	0	4.39	4.61	0.52	30.6	0.512	0	0	0	0	0	0	0	0
CC-J1168	9	0	0	5.22	3.77	0.74	26.57	0.419	0	0	0	0	0	0	0	0
BC-1203_1	9	0	0	4.32	4.68	0.81	51.7	0.52	0	0	0	0	0	0	0	0
UT-6042417_1	9	0	0	4.38	4.62	1.07	56.79	0.514	0	0	0	0	0	0	0	0
PO-1153	9	0	0	6.96	2.04	0.51	45.27	0.226	0	0	0	0	0	0	0	0
UT-1178_1	9	0	0	4.24	4.76	0.14	11.13	0.529	0	0	0	0	0	0	0	0
UT-1178_2	9	0	0	4.32	4.68	0.36	26.12	0.52	0	0	0	0	0	0	0	0
CC-J1138_2	9	0	0	5.38	3.62	0.72	55.3	0.402	0	0	0	0	0	0	0	0
UT-1155	9	0	0	4.28	4.72	0.31	21.85	0.524	0	0	0	0	0	0	0	0
CC-J1157_1	9	0	0	4.37	4.63	0.35	20.11	0.515	0	0	0	0	0	0	0	0
UT-1161	9	0	0	4.26	4.74	0.26	14.78	0.526	0	0	0	0	0	0	0	0
UT-1178_3	9	0	0	4.35	4.65	0.57	34.79	0.517	0	0	0	0	0	0	0	0
CC-J1163_2	9	0	0	3.76	5.24	0.8	59.17	0.582	0	0	0	0	0	0	0	0
UT-4042417_1	9	0	0	3.86	5.14	0.46	25.62	0.571	0	0	0	0	0	0	0	0
UT-1227_1	9	0	0	5.36	3.64	0.38	25.52	0.404	0	0	0	0	0	0	0	0
UT-1240_1	9	0	0	4.51	4.49	1.04	67.63	0.499	0	0	0	0	0	0	0	0
UT-4042417_2	9	0	0	4.08	4.91	0.94	45.29	0.546	0	0	0	0	0	0	0	0
UT-1240_2	9	0	0	4.64	4.36	0.53	27.23	0.484	0	0	0	0	0	0	0	0
CC-J1190_2	9	0	0	4.59	4.41	0.87	59.38	0.49	0	0	0	0	0	0	0	0
PO-1192_4	9	0	0	3.75	5.25	0.39	24.4	0.583	0	0	0	0	0	0	0	0
CC-J1182	9	0	0	4.32	4.68	0.47	27.63	0.52	0	0	0	0	0	0	0	0
PO-23	9	0	0	3.65	5.34	0.65	43.06	0.594	0	0	0	0	0	0	0	0
BC-1245_1	9	0	0	4.26	4.74	1	57.18	0.527	0	0	0	0	0	0	0	0
CC-J115	9	0	0	3.83	5.16	0.59	33.88	0.574	0	0	0	0	0	0	0	0
PO-1104_2	9	0	0	6.24	2.76	0.4	47.95	0.306	0	0	0	0	0	0	0	0
BC-2736	9	0	0	4.26	4.74	0.71	53.45	0.527	0	0	0	0	0	0	0	0
CC-J1138_3	9	0	0	4.72	4.28	0.47	37.76	0.475	0	0	0	0	0	0	0	0
BC-1289_1	9	0	0	5.7	3.3	0.24	18.73	0.366	0	0	0	0	0	0	0	0
PO-1234_1	9	0	0	3.88	5.12	0.8	55.2	0.568	0	0	0	0	0	0	0	0
UT-2919_1	9	0	0	4.35	4.65	0.82	49.84	0.517	0	0	0	0	0	0	0	0
UT-3042417_2	9	0	0	4.2	4.8	0.33	26.25	0.533	0	0	0	0	0	0	0	0
CC-J2905	9	0	0	4.3	4.71	0.39	32.08	0.523	0	0	0	0	0	0	0	0
CC-J2789_1	9	0	0	4.03	4.97	0.26	19.83	0.552	0	0	0	0	0	0	0	0
UT-6042417_2	9	0	0	3.51	5.48	0.44	24.52	0.609	0	0	0	0	0	0	0	0
UT-1212	9	0	0	4.29	4.71	0.91	54.71	0.524	0	0	0	0	0	0	0	0
CC-J1157_2	9	0	0	4.04	4.96	0.61	28.26	0.551	0	0	0	0	0	0	0	0
CC-J1190_3	9	0	0	5.9	3.1	0.38	40.55	0.345	0	0	0	0	0	0	0	0
CC-J1287_1	9	0	0	4.22	4.78	0.68	48	0.531	0	0	0	0	0	0	0	0
BC-1289_2	9	0	0	4.82	4.17	0.29	16.91	0.463	0	0	0	0	0	0	0	0
UT-1227_2	9	0	0	4.06	4.94	0.34	24.02	0.549	0	0	0	0	0	0	0	0
UT-2966_2	9	0	0	4.04	4.95	0.52	28.07	0.55	0	0	0	0	0	0	0	0
BC-1203_2	9	0	0	5.95	3.05	0.93	61.35	0.339	0	0	0	0	0	0	0	0
CC-J1271_1	9	0	0	4.14	4.86	0.74	54.22	0.54	0	0	0	0	0	0	0	0
PO-1223_1	9	0	0	6.59	2.41	0.33	27.84	0.268	0	0	0	0	0	0	0	0
BC-66_1	9	0	0	3.93	5.07	0.81	43.3	0.563	0	0	0	0	0	0	0	0
PO-1234_2	9	0	0	4.88	4.12	0.39	28.74	0.458	0	0	0	0	0	0	0	0
BC-1289_3	9	0	0	5.58	3.41	0.2	15.49	0.379	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1271_2	9	0	0	4.34	4.66	0.32	22.96	0.518	0	0	0	0	0	0	0	0
UT-1269_1	9	0	0	4.4	4.6	0.63	43.96	0.511	0	0	0	0	0	0	0	0
UT-1301_1	9	0	0	4.53	4.47	0.61	41.07	0.497	0	0	0	0	0	0	0	0
BC-1245_2	9	0	0	3.95	5.05	0.67	37.8	0.561	0	0	0	0	0	0	0	0
PO-1234_3	9	0	0	4.28	4.72	0.93	49.19	0.525	0	0	0	0	0	0	0	0
BC-1289_4	9	0	0	4.97	4.02	0.52	31.94	0.446	0	0	0	0	0	0	0	0
UT-7042417_1	9	0	0	4.56	4.44	0.37	19.44	0.493	0	0	0	0	0	0	0	0
UT-1227_3	9	0	0	4.01	4.99	1.17	65.38	0.554	0	0	0	0	0	0	0	0
PO-1297_1	9	0	0	6.04	2.96	0.39	33.52	0.328	0	0	0	0	0	0	0	0
BC-1238	9	0	0	4.36	4.64	0.76	44.48	0.515	0	0	0	0	0	0	0	0
BC-1259	9	0	0	5.3	3.69	0.38	19.76	0.41	0	0	0	0	0	0	0	0
BC-1242	9	0	0	4.64	4.35	0.37	24.07	0.483	0	0	0	0	0	0	0	0
UT-1232	9	0	0	4.61	4.39	0.41	31.19	0.488	0	0	0	0	0	0	0	0
CC-J1350_1	9	0	0	4.75	4.25	0.77	59.42	0.473	0	0	0	0	0	0	0	0
PO-1223_2	9	0	0	6.39	2.61	0.43	39.46	0.291	0	0	0	0	0	0	0	0
CC-J1287_2	9	0	0	4.26	4.74	0.51	32.38	0.527	0	0	0	0	0	0	0	0
CC-J2789_2	9	0	0	4.75	4.25	0.13	11.96	0.473	0	0	0	0	0	0	0	0
PO-1295	9	0	0	4.91	4.07	0.52	29.76	0.453	0	0	0	0	0	0	0	0
CC-J1255	9	0	0	5.52	3.48	0.6	63.14	0.387	0	0	0	0	0	0	0	0
UT-1269_2	9	0	0	4.22	4.77	0.48	27.14	0.53	0	0	0	0	0	0	0	0
UT-6042417_3	9	0	0	3.95	5.04	0.49	25.21	0.56	0	0	0	0	0	0	0	0
BC-48	9	0	0	4.32	4.68	0.32	20.48	0.52	0	0	0	0	0	0	0	0
BC-66_2	9	0	0	3.29	5.7	0.4	27.21	0.634	0	0	0	0	0	0	0	0
PO-1299_1	9	0	0	6.72	2.28	0.56	38.03	0.253	0	0	0	0	0	0	0	0
UT-2990_1	9	0	0	4.46	4.54	1.19	81.03	0.505	0	0	0	0	0	0	0	0
UT-2919_2	9	0	0	5.47	3.53	0.85	63.8	0.392	0	0	0	0	0	0	0	0
CC-J2790_1	9	0	0	5.29	3.71	0.18	19.35	0.413	0	0	0	0	0	0	0	0
BC-1249	9	0	0	3.96	5.04	0.44	26.86	0.56	0	0	0	0	0	0	0	0
UT-1279	9	0	0	5.82	3.18	0.26	29.72	0.354	0	0	0	0	0	0	0	0
UT-10042417	9	0	0	3.95	5.04	1.75	65.51	0.56	0	0	0	0	0	0	0	0
CC-J2790_2	9	0	0	5.23	3.77	0.56	44.05	0.419	0	0	0	0	0	0	0	0
UT-11042417_1	9	0	0	3.9	5.1	1.7	79.97	0.566	0	0	0	0	0	0	0	0
BC-1289_5	9	0	0	5.33	3.67	0.44	31.18	0.408	0	0	0	0	0	0	0	0
BC-1305_1	9	0	0	4.99	4.01	0.6	52.14	0.445	0	0	0	0	0	0	0	0
CC-J3026	9	0	0	5.7	3.3	0.61	61	0.367	0	0	0	0	0	0	0	0
UT-2707_1	9	0	0	5.94	3.07	0.15	16.07	0.341	0	0	0	0	0	0	0	0
BC-1305_2	9	0	0	4.72	4.27	0.44	30.69	0.475	0	0	0	0	0	0	0	0
CC-J1287_3	9	0	0	5.87	3.13	0.49	50.75	0.348	0	0	0	0	0	0	0	0
PO-1297_2	9	0	0	6.59	2.41	0.38	39.09	0.268	0	0	0	0	0	0	0	0
BC-66_3	9	0	0	3.46	5.53	0.32	19.5	0.615	0	0	0	0	0	0	0	0
BC-49	9	0	0	4.26	4.74	0.61	35.87	0.526	0	0	0	0	0	0	0	0
BC-1293	9	0	0	4.83	4.17	0.38	26.87	0.463	0	0	0	0	0	0	0	0
UT-7042417_2	9	0	0	4.05	4.95	0.68	44.04	0.55	0	0	0	0	0	0	0	0
CC-J2965_1	9	0	0	5.84	3.15	0.33	29.55	0.35	0	0	0	0	0	0	0	0
CC-J2965_2	9	0	0	5.7	3.29	0.55	37.97	0.365	0	0	0	0	0	0	0	0
UT-2707_2	9	0	0	5.87	3.13	0.29	32.35	0.348	0	0	0	0	0	0	0	0
BC-72	9	0	0	3.77	5.22	0.79	56.6	0.58	0	0	0	0	0	0	0	0
PO-1346_1	9	0	0	5.26	3.74	0.59	43.48	0.416	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J127_1	9	0	0	4.38	4.62	0.66	36.81	0.513	0	0	0	0	0	0	0	0
UT-1283	9	0	0	4.9	4.1	0.4	30.5	0.456	0	0	0	0	0	0	0	0
PO-1285	9	0	0	4.52	4.48	0.57	38.16	0.498	0	0	0	0	0	0	0	0
BC-1358	9	0	0	4.42	4.58	0.6	36.42	0.509	0	0	0	0	0	0	0	0
CC-J127_2	9	0	0	4.49	4.51	0.37	16.5	0.502	0	0	0	0	0	0	0	0
UT-2990_2	9	0	0	4.99	4.01	0.27	24.89	0.446	0	0	0	0	0	0	0	0
BC-73_1	9	0	0	4.36	4.64	0.59	43.06	0.515	0	0	0	0	0	0	0	0
CC-J127_3	9	0	0	4.4	4.6	0.92	49.41	0.511	0	0	0	0	0	0	0	0
CC-J80_1	9	0	0	4.2	4.79	0.43	18.68	0.533	0	0	0	0	0	0	0	0
PO-1299_2	9	0	0	6.39	2.61	0.25	23.04	0.29	0	0	0	0	0	0	0	0
CC-J127_4	9	0	0	4.31	4.68	0.44	20.92	0.521	0	0	0	0	0	0	0	0
CC-J80_2	9	0	0	4.22	4.78	0.99	60.21	0.531	0	0	0	0	0	0	0	0
BC-1318	9	0	0	4.35	4.66	0.28	17.08	0.517	0	0	0	0	0	0	0	0
CC-J80_3	9	0	0	4.11	4.89	1.28	69.84	0.543	0	0	0	0	0	0	0	0
CC-J1291	9	0	0	5.12	3.88	0.4	30.22	0.432	0	0	0	0	0	0	0	0
BC-1354_1	9	0	0	5.76	3.24	0.57	46.32	0.36	0	0	0	0	0	0	0	0
BC-1336	9	0	0	5.24	3.76	0.74	49.58	0.418	0	0	0	0	0	0	0	0
BC-73_2	9	0	0	3.59	5.41	0.61	42.27	0.601	0	0	0	0	0	0	0	0
UT-1301_2	9	0	0	5.41	3.59	0.56	38.59	0.399	0	0	0	0	0	0	0	0
BC-1307	9	0	0	4.76	4.23	0.52	39.8	0.47	0	0	0	0	0	0	0	0
BC-1392_1	9	0	0	5.28	3.72	0.73	53.05	0.413	0	0	0	0	0	0	0	0
UT-2902	9	0	0	5.34	3.66	1.26	93.16	0.406	0	0	0	0	0	0	0	0
PO-1316	9	0	0	6.36	2.64	0.37	33.48	0.293	0	0	0	0	0	0	0	0
CC-J1406	9	0	0	6.41	2.59	0.4	43.51	0.288	0	0	0	0	0	0	0	0
BC-1332	9	0	0	5.28	3.71	0.31	30.37	0.412	0	0	0	0	0	0	0	0
CC-J127_5	9	0	0	4.11	4.89	0.73	35.11	0.543	0	0	0	0	0	0	0	0
UT-14042417_1	9	0	0	4.43	4.57	0.81	41.01	0.508	0	0	0	0	0	0	0	0
BC-1377_1	9	0	0	5.72	3.27	1.11	74.12	0.363	0	0	0	0	0	0	0	0
PO-1346_2	9	0	0	4.64	4.36	0.35	26.23	0.484	0	0	0	0	0	0	0	0
UT-14042417_2	9	0	0	4.27	4.73	0.35	25.55	0.525	0	0	0	0	0	0	0	0
PO-1364	9	0	0	6.3	2.7	0.18	20.09	0.3	0	0	0	0	0	0	0	0
UT-1403	9	0	0	5.5	3.5	0.94	48.29	0.389	0	0	0	0	0	0	0	0
BC-1396	9	0	0	4.96	4.03	0.49	37.35	0.448	0	0	0	0	0	0	0	0
CC-J1350_2	9	0	0	5.31	3.68	0.47	31.57	0.409	0	0	0	0	0	0	0	0
CC-J1344	9	0	0	6.64	2.36	0.31	30.68	0.262	0	0	0	0	0	0	0	0
BC-1420	9	0	0	5.39	3.6	0.77	67.57	0.4	0	0	0	0	0	0	0	0
CC-J127_6	9	0	0	4.02	4.98	0.58	33.49	0.553	0	0	0	0	0	0	0	0
BC-7	9	0	0	5.32	3.67	0.27	22.15	0.408	0	0	0	0	0	0	0	0
CC-J82	9	0	0	4.17	4.83	1.41	84.98	0.537	0	0	0	0	0	0	0	0
BC-1385_1	9	0	0	3.94	5.06	0.75	52.91	0.562	0	0	0	0	0	0	0	0
UT-13042417_1	9	0	0	5.56	3.44	1.05	70.05	0.382	0	0	0	0	0	0	0	0
UT-11042417_2	9	0	0	4.26	4.74	0.37	20.54	0.526	0	0	0	0	0	0	0	0
BC-1354_2	9	0	0	5.61	3.39	0.57	59.9	0.376	0	0	0	0	0	0	0	0
PO-2722	9	0	0	6.56	2.44	0.53	46.05	0.271	0	0	0	0	0	0	0	0
BC-1309	9	0	0	4.94	4.06	0.44	30.51	0.451	0	0	0	0	0	0	0	0
PO-1371	9	0	0	6.01	2.99	0.75	70.64	0.332	0	0	0	0	0	0	0	0
UT-1398_1	9	0	0	4.57	4.43	0.41	31.59	0.492	0	0	0	0	0	0	0	0
CC-J1426_1	9	0	0	5.07	3.91	0.62	39.96	0.435	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1362	9	0	0	5.53	3.46	0.38	25.4	0.384	0	0	0	0	0	0	0	0
UT-11042417_3	9	0	0	3.59	5.4	0.51	23.58	0.6	0	0	0	0	0	0	0	0
BC-5	9	0	0	6.23	2.77	0.28	34.13	0.307	0	0	0	0	0	0	0	0
CC-J1435	9	0	0	6.83	2.17	0.5	52.48	0.241	0	0	0	0	0	0	0	0
BC-1377_2	9	0	0	6.83	2.17	0.24	30.54	0.241	0	0	0	0	0	0	0	0
BC-1428_1	9	0	0	6.08	2.92	0.32	23.1	0.324	0	0	0	0	0	0	0	0
BC-2934	9	0	0	5.8	3.2	0.36	36.56	0.356	0	0	0	0	0	0	0	0
BC-1430	9	0	0	5.84	3.16	0.28	29.19	0.351	0	0	0	0	0	0	0	0
UT-1369_1	9	0	0	4.17	4.83	0.44	22.22	0.537	0	0	0	0	0	0	0	0
UT-1369_2	9	0	0	3.85	5.15	0.42	24.9	0.572	0	0	0	0	0	0	0	0
UT-1398_2	9	0	0	4.09	4.9	1.24	53.43	0.545	0	0	0	0	0	0	0	0
CC-J127_7	9	0	0	4.13	4.85	1.78	64.89	0.539	0	0	0	0	0	0	0	0
PO-21	9	0	0	6	2.99	0.21	18.39	0.333	0	0	0	0	0	0	0	0
BC-1390	9	0	0	4.35	4.65	0.43	26.1	0.517	0	0	0	0	0	0	0	0
PO-1480_1	9	0	0	6.34	2.65	0.42	34.45	0.295	0	0	0	0	0	0	0	0
UT-13042417_2	9	0	0	4.86	4.14	0.36	27.52	0.46	0	0	0	0	0	0	0	0
BC-1392_2	9	0	0	3.74	5.25	0.17	13.17	0.583	0	0	0	0	0	0	0	0
UT-11042417_4	9	0	0	4.98	4.02	0.4	33.4	0.446	0	0	0	0	0	0	0	0
BC-3024_1	9	0	0	7.04	1.96	0.11	17.95	0.218	0	0	0	0	0	0	0	0
PO-1480_2	9	0	0	6.22	2.78	0.69	70.1	0.309	0	0	0	0	0	0	0	0
BC-2795	9	0	0	5.76	3.23	0.55	49.47	0.359	0	0	0	0	0	0	0	0
CC-J80_4	9	0	0	3.76	5.23	0.62	40.97	0.581	0	0	0	0	0	0	0	0
BC-1482	9	0	0	6.61	2.39	0.21	24.22	0.266	0	0	0	0	0	0	0	0
BC-1475_1	9	0	0	5.35	3.64	0.39	36.1	0.404	0	0	0	0	0	0	0	0
BC-1392_3	9	0	0	5.19	3.81	0.54	37.36	0.423	0	0	0	0	0	0	0	0
PO-1446_1	9	0	0	5.3	3.69	0.95	62.12	0.41	0	0	0	0	0	0	0	0
UT-84_1	9	0	0	5.72	3.28	0.23	17.86	0.365	0	0	0	0	0	0	0	0
BC-1463	9	0	0	5.69	3.3	0.8	56.22	0.367	0	0	0	0	0	0	0	0
UT-41042417_1	9	0	0	4.77	4.22	0.34	29.99	0.469	0	0	0	0	0	0	0	0
BC-1428_2	9	0	0	5.1	3.89	0.3	23.84	0.432	0	0	0	0	0	0	0	0
CC-J1426_2	9	0	0	5.2	3.8	0.25	21.38	0.422	0	0	0	0	0	0	0	0
CC-MASJ1365_2	9	0	0	4.85	4.15	0.3	22.98	0.461	0	0	0	0	0	0	0	0
BC-2706	9	0	0	6.84	2.16	0.27	32.46	0.241	0	0	0	0	0	0	0	0
BC-1432	9	0	0	5.53	3.46	0.36	30.07	0.385	0	0	0	0	0	0	0	0
BC-3024_2	9	0	0	7	2	0.21	24.41	0.223	0	0	0	0	0	0	0	0
UT-123	9	0	0	4.42	4.58	0.54	38.52	0.509	0	0	0	0	0	0	0	0
CC-J1422	9	0	0	6.55	2.45	0.08	10.45	0.273	0	0	0	0	0	0	0	0
PO-1480_3	9	0	0	6.39	2.61	0.29	28.33	0.29	0	0	0	0	0	0	0	0
BC-1478_1	9	0	0	7.08	1.92	0.22	26.93	0.214	0	0	0	0	0	0	0	0
BC-1469_1	9	0	0	6.76	2.24	0.36	35.2	0.249	0	0	0	0	0	0	0	0
BC-1478_2	9	0	0	7.25	1.75	0.34	39.32	0.195	0	0	0	0	0	0	0	0
CC-J1426_3	9	0	0	6.58	2.42	0.29	30.66	0.269	0	0	0	0	0	0	0	0
BC-1475_2	9	0	0	6.06	2.94	0.23	25.66	0.327	0	0	0	0	0	0	0	0
UT-131	9	0	0	4.2	4.8	1.21	65.61	0.533	0	0	0	0	0	0	0	0
BC-1465_1	9	0	0	6.33	2.67	0.52	47.58	0.297	0	0	0	0	0	0	0	0
BC-2732_1	9	0	0	5.95	3.04	0.23	26.24	0.338	0	0	0	0	0	0	0	0
BC-1504	9	0	0	6.43	2.57	0.21	20.01	0.286	0	0	0	0	0	0	0	0
BC-2732_2	9	0	0	6	3	0.29	31.87	0.333	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J124_1	9	0	0	4.15	4.85	1.78	103.42	0.539	0	0	0	0	0	0	0	0
CC-J80_5	9	0	0	4.27	4.73	0.52	27.8	0.526	0	0	0	0	0	0	0	0
PO-1480_4	9	0	0	6.36	2.64	0.37	31.67	0.293	0	0	0	0	0	0	0	0
UT-2740_1	9	0	0	4.51	4.5	0.68	29.56	0.499	0	0	0	0	0	0	0	0
PO-1510_1	9	0	0	6.9	2.09	0.67	47.12	0.233	0	0	0	0	0	0	0	0
UT-1484_1	9	0	0	4.3	4.7	0.59	39.05	0.522	0	0	0	0	0	0	0	0
BC-30	9	0	0	6.45	2.55	0.21	24.57	0.283	0	0	0	0	0	0	0	0
UT-1484_2	9	0	0	4.39	4.61	0.35	19.37	0.512	0	0	0	0	0	0	0	0
BC-1475_3	9	0	0	5.72	3.28	0.47	38.99	0.364	0	0	0	0	0	0	0	0
BC-1469_2	9	0	0	6.63	2.37	0.16	20.01	0.264	0	0	0	0	0	0	0	0
CC-J3025_1	9	0	0	6.67	2.33	0.5	54.27	0.259	0	0	0	0	0	0	0	0
UT-84_2	9	0	0	6.28	2.72	0.77	62.72	0.302	0	0	0	0	0	0	0	0
CC-J1452	9	0	0	6.69	2.31	0.3	33.27	0.257	0	0	0	0	0	0	0	0
UT-41042417_2	9	0	0	4.34	4.66	0.83	44.29	0.518	0	0	0	0	0	0	0	0
PO-1446_2	9	0	0	6.21	2.78	0.3	33	0.309	0	0	0	0	0	0	0	0
UT-12042417	9	0	0	5	4	0.71	57.42	0.444	0	0	0	0	0	0	0	0
BC-2732_3	9	0	0	7	2	0.16	21.39	0.222	0	0	0	0	0	0	0	0
BC-1469_3	9	0	0	6.54	2.46	0.2	24.74	0.274	0	0	0	0	0	0	0	0
PO-1500	9	0	0	4.75	4.25	0.68	56.36	0.472	0	0	0	0	0	0	0	0
PO-1454	9	0	0	6.53	2.47	0.61	64.09	0.275	0	0	0	0	0	0	0	0
UT-18042417	9	0	0	4.69	4.31	0.29	20.85	0.479	0	0	0	0	0	0	0	0
CC-J124_2	9	0	0	3.77	5.22	0.52	28.76	0.58	0	0	0	0	0	0	0	0
BC-31	9	0	0	6.15	2.84	0.83	65.39	0.316	0	0	0	0	0	0	0	0
UT-19042417_1	9	0	0	5.05	3.95	0.58	42.12	0.439	0	0	0	0	0	0	0	0
BC-1465_2	9	0	0	5.71	3.28	0.3	21.91	0.364	0	0	0	0	0	0	0	0
UT-2740_2	9	0	0	4.33	4.67	0.85	52.01	0.519	0	0	0	0	0	0	0	0
BC-2723_1	9	0	0	6.66	2.34	0.3	32.17	0.26	0	0	0	0	0	0	0	0
CC-J2907	9	0	0	4.45	4.56	0.65	35.73	0.506	0	0	0	0	0	0	0	0
UT-1484_3	9	0	0	4.32	4.68	0.39	24.53	0.52	0	0	0	0	0	0	0	0
UT-19042417_2	9	0	0	5.23	3.77	1.35	95.5	0.418	0	0	0	0	0	0	0	0
BC-2781	9	0	0	6.89	2.11	0.43	53.32	0.234	0	0	0	0	0	0	0	0
BC-2732_4	9	0	0	6.59	2.42	0.06	8.15	0.269	0	0	0	0	0	0	0	0
CC-J124_3	9	0	0	3.86	5.14	0.58	38.44	0.571	0	0	0	0	0	0	0	0
BC-2723_2	9	0	0	6.57	2.44	0.23	26.62	0.271	0	0	0	0	0	0	0	0
CC-J1544_1	9	0	0	4.24	4.76	0.68	37.84	0.529	0	0	0	0	0	0	0	0
CC-J1544_2	9	0	0	4.32	4.68	0.38	24.12	0.52	0	0	0	0	0	0	0	0
BC-2937	9	0	0	6.07	2.92	0.48	41.91	0.325	0	0	0	0	0	0	0	0
BC-3023	9	0	0	6.75	2.25	0.33	40.22	0.25	0	0	0	0	0	0	0	0
BC-1538_1	9	0	0	6.52	2.48	0.2	24.61	0.275	0	0	0	0	0	0	0	0
PO-3004_1	9	0	0	5.88	3.12	0.55	58.09	0.346	0	0	0	0	0	0	0	0
CC-J1536_1	9	0	0	6.71	2.3	0.21	23.51	0.255	0	0	0	0	0	0	0	0
PO-1553	9	0	0	6.63	2.37	0.47	42.6	0.263	0	0	0	0	0	0	0	0
CC-J1527	9	0	0	3.98	5.01	0.49	31.98	0.557	0	0	0	0	0	0	0	0
CC-J1584_1	9	0	0	3.48	5.51	0.57	35.22	0.613	0	0	0	0	0	0	0	0
BC-1525	9	0	0	6.81	2.19	0.39	37.13	0.243	0	0	0	0	0	0	0	0
CC-J2699_1	9	0	0	4.41	4.59	0.71	43.7	0.511	0	0	0	0	0	0	0	0
BC-1590_1	9	0	0	5.89	3.1	0.54	44.78	0.345	0	0	0	0	0	0	0	0
CC-J1536_2	9	0	0	6.74	2.26	0.17	18.79	0.252	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-2740_3	9	0	0	4.29	4.71	0.37	25.41	0.523	0	0	0	0	0	0	0	0
UT-20042417_1	9	0	0	6.13	2.87	0.82	57.22	0.319	0	0	0	0	0	0	0	0
UT-19042417_3	9	0	0	5.06	3.93	0.26	20.13	0.437	0	0	0	0	0	0	0	0
CC-J3025_2	9	0	0	7.67	1.33	0.18	19.9	0.147	0	0	0	0	0	0	0	0
BC-1538_2	9	0	0	6.74	2.26	0.55	55.18	0.251	0	0	0	0	0	0	0	0
CC-J1584_2	9	0	0	4.15	4.85	0.36	24.18	0.539	0	0	0	0	0	0	0	0
UT-20042417_2	9	0	0	5.61	3.39	0.31	30.36	0.376	0	0	0	0	0	0	0	0
BC-1560	9	0	0	5.61	3.39	0.39	33.5	0.377	0	0	0	0	0	0	0	0
PO-1510_2	9	0	0	6.37	2.62	0.63	45.61	0.292	0	0	0	0	0	0	0	0
CC-J2699_2	9	0	0	3.72	5.28	0.62	39.55	0.587	0	0	0	0	0	0	0	0
CC-J1584_3	9	0	0	3.47	5.52	0.69	36	0.614	0	0	0	0	0	0	0	0
CC-J1601	9	0	0	4.05	4.95	0.71	42.06	0.55	0	0	0	0	0	0	0	0
BC-1571_1	9	0	0	6.6	2.4	0.23	26.63	0.267	0	0	0	0	0	0	0	0
BC-1567_1	9	0	0	6.21	2.79	0.35	37.67	0.31	0	0	0	0	0	0	0	0
BC-1567_2	9	0	0	5.46	3.54	0.33	29.42	0.393	0	0	0	0	0	0	0	0
BC-1593_1	9	0	0	6.66	2.34	0.25	26.87	0.26	0	0	0	0	0	0	0	0
BC-2973_1	9	0	0	8.22	0.78	0.16	18.88	0.086	0	0	0	0	0	0	0	0
BC-1542	9	0	0	5.62	3.37	0.29	28.58	0.375	0	0	0	0	0	0	0	0
CC-J1588_1	9	0	0	5.55	3.45	0.62	33.17	0.384	0	0	0	0	0	0	0	0
BC-1571_2	9	0	0	5.54	3.46	0.3	28.65	0.385	0	0	0	0	0	0	0	0
BC-2973_2	9	0	0	6.67	2.33	0.23	25.67	0.259	0	0	0	0	0	0	0	0
CC-J2699_3	9	0	0	3.7	5.29	0.46	32.33	0.588	0	0	0	0	0	0	0	0
CC-J1619	9	0	0	4.31	4.69	0.36	22.2	0.521	0	0	0	0	0	0	0	0
BC-1615	9	0	0	6.71	2.29	0.04	5.67	0.255	0	0	0	0	0	0	0	0
CC-J1597_1	9	0	0	3.18	5.8	0.5	27.56	0.645	0	0	0	0	0	0	0	0
CC-J1647	9	0	0	4.98	4.02	1.27	90.53	0.446	0	0	0	0	0	0	0	0
PO-2900_1	9	0	0	6.63	2.37	0.43	36.23	0.263	0	0	0	0	0	0	0	0
PO-3004_2	9	0	0	5.22	3.77	0.27	24.41	0.419	0	0	0	0	0	0	0	0
UT-20042417_3	9	0	0	4.71	4.29	0.41	26.46	0.477	0	0	0	0	0	0	0	0
CC-J3025_3	9	0	0	6.7	2.3	0.45	45.65	0.255	0	0	0	0	0	0	0	0
PO-1613_1	9	0	0	5.76	3.24	0.46	38.11	0.36	0	0	0	0	0	0	0	0
BC-33	9	0	0	7.14	1.86	0.17	22.59	0.207	0	0	0	0	0	0	0	0
UT-21042417_1	9	0	0	4.5	4.5	0.51	29.78	0.5	0	0	0	0	0	0	0	0
CC-J74_1	9	0	0	6.27	2.73	0.53	36.38	0.304	0	0	0	0	0	0	0	0
BC-1590_2	9	0	0	3.56	5.43	0.43	27.84	0.603	0	0	0	0	0	0	0	0
CC-J1653_1	9	0	0	5.05	3.94	0.76	45.8	0.438	0	0	0	0	0	0	0	0
BC-11_1	9	0	0	8.56	0.44	0.03	5.11	0.049	0	0	0	0	0	0	0	0
BC-1609	9	0	0	6.79	2.21	0.4	39.38	0.246	0	0	0	0	0	0	0	0
PO-1633_1	9	0	0	6.36	2.64	0.13	13.37	0.293	0	0	0	0	0	0	0	0
BC-1629	9	0	0	4.16	4.83	0.57	45.38	0.537	0	0	0	0	0	0	0	0
CC-J1627_1	9	0	0	6.23	2.77	0.43	34.81	0.307	0	0	0	0	0	0	0	0
UT-28042417	9	0	0	6.6	2.4	0.45	31.61	0.266	0	0	0	0	0	0	0	0
UT-29042417	9	0	0	6.28	2.72	0.7	34.96	0.302	0	0	0	0	0	0	0	0
CC-J1597_2	9	0	0	5.39	3.61	0.9	65.6	0.401	0	0	0	0	0	0	0	0
CC-J76_1	9	0	0	5.16	3.83	0.56	37.85	0.426	0	0	0	0	0	0	0	0
UT-27042417_1	9	0	0	5.96	3.04	0.64	42.86	0.338	0	0	0	0	0	0	0	0
BC-11_2	9	0	0	6.25	2.75	1.09	72.51	0.306	0	0	0	0	0	0	0	0
BC-11_3	9	0	0	6.71	2.29	0.19	18.62	0.254	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-21042417_2	9	0	0	5.73	3.27	0.32	26.1	0.364	0	0	0	0	0	0	0	0
PO-36	9	0	0	6.68	2.32	0.31	30.35	0.257	0	0	0	0	0	0	0	0
UT-21042417_3	9	0	0	4.99	4.01	0.21	16.51	0.445	0	0	0	0	0	0	0	0
CC-J1588_2	9	0	0	5.64	3.36	0.36	25.63	0.373	0	0	0	0	0	0	0	0
PO-1613_2	9	0	0	6.53	2.47	0.18	17.22	0.274	0	0	0	0	0	0	0	0
CC-J1623	9	0	0	5.43	3.57	0.55	38.1	0.397	0	0	0	0	0	0	0	0
BC-1593_2	9	0	0	6.88	2.12	0.2	28.52	0.236	0	0	0	0	0	0	0	0
BC-32	9	0	0	4.19	4.8	0.33	24	0.534	0	0	0	0	0	0	0	0
PO-1633_2	9	0	0	6.09	2.91	0.49	30.12	0.323	0	0	0	0	0	0	0	0
UT-23042417_1	9	0	0	6.33	2.67	0.28	27.25	0.296	0	0	0	0	0	0	0	0
UT-27042417_2	9	0	0	6.17	2.83	0.31	22.21	0.315	0	0	0	0	0	0	0	0
CC-J1660	9	0	0	5.87	3.13	0.29	31.78	0.347	0	0	0	0	0	0	0	0
CC-J1653_2	9	0	0	4.97	4.03	0.51	33.44	0.448	0	0	0	0	0	0	0	0
BC-1625	9	0	0	6.89	2.11	0.25	21.99	0.235	0	0	0	0	0	0	0	0
CC-J74_2	9	0	0	6.34	2.66	0.23	19.37	0.296	0	0	0	0	0	0	0	0
UT-25042417	9	0	0	6.33	2.67	0.25	19.65	0.296	0	0	0	0	0	0	0	0
BC-1662_1	9	0	0	8.71	0.29	0.07	14.63	0.033	0	0	0	0	0	0	0	0
UT-26042417	9	0	0	5.94	3.06	0.24	20.04	0.34	0	0	0	0	0	0	0	0
BC-1635	9	0	0	5.11	3.89	0.52	44.17	0.432	0	0	0	0	0	0	0	0
CC-J9	9	0	0	6.38	2.62	0.42	31.97	0.291	0	0	0	0	0	0	0	0
UT-22042417	9	0	0	5.98	3.02	0.22	22.62	0.336	0	0	0	0	0	0	0	0
UT-24042417	9	0	0	5.92	3.08	0.5	42.09	0.342	0	0	0	0	0	0	0	0
BC-1683	9	0	0	5.66	3.33	0.95	76.25	0.37	0	0	0	0	0	0	0	0
CC-J76_2	9	0	0	5.45	3.55	0.35	26.42	0.394	0	0	0	0	0	0	0	0
PO-1637	9	0	0	6.73	2.26	0.36	24.6	0.251	0	0	0	0	0	0	0	0
PO-1673	9	0	0	6.68	2.32	0.38	41.39	0.258	0	0	0	0	0	0	0	0
UT-21042417_4	9	0	0	4.51	4.49	0.48	28.21	0.499	0	0	0	0	0	0	0	0
BC-2968	9	0	0	5.76	3.24	0.45	41.53	0.36	0	0	0	0	0	0	0	0
CC-J1627_2	9	0	0	5.29	3.71	0.45	30.72	0.412	0	0	0	0	0	0	0	0
BC-1645_1	9	0	0	5.55	3.45	0.47	36.45	0.383	0	0	0	0	0	0	0	0
PO-2726	9	0	0	6.65	2.35	0.18	18.89	0.261	0	0	0	0	0	0	0	0
BC-1643	9	0	0	6.35	2.65	0.19	16.97	0.294	0	0	0	0	0	0	0	0
CC-J2869	9	0	0	6.57	2.43	0.12	12.57	0.27	0	0	0	0	0	0	0	0
CC-J1649	9	0	0	5.89	3.11	0.38	26.74	0.345	0	0	0	0	0	0	0	0
CC-J2864_1	9	0	0	8.93	0.07	0.03	2.12	0.008	0	0	0	0	0	0	0	0
BC-2924	9	0	0	6.81	2.19	0.16	22.13	0.244	0	0	0	0	0	0	0	0
CC-J1627_3	9	0	0	6.8	2.2	0.39	34.96	0.244	0	0	0	0	0	0	0	0
BC-1729_1	9	0	0	4.48	4.52	0.85	55.52	0.502	0	0	0	0	0	0	0	0
BC-2797	9	0	0	6.25	2.75	0.22	21.08	0.305	0	0	0	0	0	0	0	0
CC-J1669_1	9	0	0	8.64	0.36	0.06	3.18	0.04	0	0	0	0	0	0	0	0
UT-23042417_2	9	0	0	6.02	2.98	0.28	22.07	0.331	0	0	0	0	0	0	0	0
BC-87	9	0	0	3.54	5.45	0.67	47.24	0.606	0	0	0	0	0	0	0	0
BC-2750	9	0	0	5.69	3.31	0.4	41	0.368	0	0	0	0	0	0	0	0
CC-J76_3	9	0	0	6.53	2.47	0.17	18.41	0.274	0	0	0	0	0	0	0	0
CC-J76_4	9	0	0	6.34	2.66	0.25	24.81	0.296	0	0	0	0	0	0	0	0
BC-1662_2	9	0	0	6.14	2.86	0.38	42	0.317	0	0	0	0	0	0	0	0
PO-1677_1	9	0	0	8.63	0.37	0.05	2.74	0.041	0	0	0	0	0	0	0	0
CC-J1588_3	9	0	0	6.73	2.27	0.3	27.69	0.252	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
PO-1677_2	9	0	0	8.31	0.69	0.06	9.57	0.077	0	0	0	0	0	0	0	0
BC-1704	9	0	0	5.97	3.03	0.07	8.21	0.337	0	0	0	0	0	0	0	0
BC-1111	9	0	0	5.44	3.56	0.46	36.36	0.396	0	0	0	0	0	0	0	0
CC-J2898	9	0	0	6.23	2.76	0.29	29.42	0.307	0	0	0	0	0	0	0	0
PO-2900_2	9	0	0	8.96	0.04	0	1.48	0.005	0	0	0	0	0	0	0	0
BC-1645_2	9	0	0	6.01	2.99	0.35	26.13	0.332	0	0	0	0	0	0	0	0
BC-2885	9	0	0	3.76	5.24	0.63	41.63	0.582	0	0	0	0	0	0	0	0
BC-1691_1	9	0	0	5.19	3.81	0.27	19.38	0.423	0	0	0	0	0	0	0	0
BC-1679_1	9	0	0	6.37	2.63	0.63	48.36	0.293	0	0	0	0	0	0	0	0
BC-1707_1	9	0	0	4.58	4.42	0.39	28.43	0.491	0	0	0	0	0	0	0	0
CC-J1669_2	9	0	0	8.22	0.77	0.05	3.33	0.086	0	0	0	0	0	0	0	0
BC-1729_2	9	0	0	5.16	3.84	0.52	37.34	0.427	0	0	0	0	0	0	0	0
BC-1679_2	9	0	0	6.28	2.73	0.4	30.95	0.303	0	0	0	0	0	0	0	0
BC-1691_2	9	0	0	5.24	3.75	0.51	34.32	0.417	0	0	0	0	0	0	0	0
PO-1687	9	0	0	8.25	0.75	0.05	8.63	0.083	0	0	0	0	0	0	0	0
BC-1679_3	9	0	0	6.54	2.46	0.3	27.69	0.274	0	0	0	0	0	0	0	0
UT-30042417_1	9	0	0	5.99	3.01	0.36	34.93	0.334	0	0	0	0	0	0	0	0
UT-30042417_2	9	0	0	7.44	1.56	0.21	28.18	0.173	0	0	0	0	0	0	0	0
PO-2963_1	9	0	0	8.87	0.13	0.04	2.82	0.014	0	0	0	0	0	0	0	0
PO-1675	9	0	0	8.99	0.01	0	0.57	0.001	0	0	0	0	0	0	0	0
CC-J2994	9	0	0	8.99	0.01	0	0.09	0.001	0	0	0	0	0	0	0	0
CC-J2864_2	9	0	0	8.3	0.7	0.14	15.29	0.078	0	0	0	0	0	0	0	0
PO-2963_2	9	0	0	8.61	0.39	0.14	14.26	0.043	0	0	0	0	0	0	0	0
CC-J1693	9	0	0	8.99	0.01	0	0.06	0.001	0	0	0	0	0	0	0	0
PO-2960	9	0	0	8.99	0.01	0	0.39	0.001	0	0	0	0	0	0	0	0
BC-1770_1	9	0	0	5.93	3.07	0.97	58.56	0.342	0	0	0	0	0	0	0	0
BC-1681	9	0	0	5.5	3.5	0.3	21.79	0.389	0	0	0	0	0	0	0	0
BC-1721_1	9	0	0	4.56	4.44	0.85	66.86	0.493	0	0	0	0	0	0	0	0
BC-1707_2	9	0	0	4.64	4.36	0.92	58.44	0.484	0	0	0	0	0	0	0	0
BC-1713_1	9	0	0	3.18	5.81	0.55	33.47	0.645	0	0	0	0	0	0	0	0
CC-J1699	9	0	0	6.16	2.84	0.39	26.27	0.315	0	0	0	0	0	0	0	0
CC-J46_1	9	0	0	6.84	2.16	0.17	19.44	0.24	0	0	0	0	0	0	0	0
CC-J1719	9	0	0	6.72	2.26	0.54	26.68	0.251	0	0	0	0	0	0	0	0
CC-J112	9	0	0	4.55	4.44	0.22	17.4	0.493	0	0	0	0	0	0	0	0
CC-MASJ3041_1	9	0	0	7.69	1.31	0.15	16.93	0.146	0	0	0	0	0	0	0	0
CC-J46_2	9	0	0	6.64	2.36	0.17	16.93	0.262	0	0	0	0	0	0	0	0
CC-J3002_1	9	0	0	8.98	0.02	0.01	0.34	0.002	0	0	0	0	0	0	0	0
CC-J3002_2	9	0	0	8.99	0.01	0	0.05	0.001	0	0	0	0	0	0	0	0
CC-MASJ140_1	9	0	0	7.36	1.63	0.09	4.27	0.182	0	0	0	0	0	0	0	0
CC-M31042417_1	9	0	0	8.96	0.04	0.01	0.28	0.005	0	0	0	0	0	0	0	0
CC-J3001_1	9	0	0	6.84	2.16	0.5	48.83	0.24	0	0	0	0	0	0	0	0
BC-1713_2	9	0	0	4.76	4.24	0.82	50.71	0.471	0	0	0	0	0	0	0	0
CC-J46_3	9	0	0	8.62	0.38	0.03	7.13	0.042	0	0	0	0	0	0	0	0
CC-J3001_2	9	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0
CC-M31042417_2	9	0	0	9	0	0	0.03	0	0	0	0	0	0	0	0	0
CC-J2864_3	9	0	0	4.67	4.33	0.69	54.81	0.481	0	0	0	0	0	0	0	0
CC-J2923_1	9	0	0	7.04	1.95	0.29	14.1	0.216	0	0	0	0	0	0	0	0
BC-1707_3	9	0	0	4.04	4.95	0.93	49.79	0.55	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1763_1	9	0	0	8.63	0.37	0.12	25.42	0.041	0	0	0	0	0	0	0	0
BC-1721_2	9	0	0	5.1	3.9	0.27	20.66	0.433	0	0	0	0	0	0	0	0
BC-1735	9	0	0	5.35	3.65	0.74	59.41	0.406	0	0	0	0	0	0	0	0
BC-1780	9	0	0	5.17	3.83	0.51	43.63	0.426	0	0	0	0	0	0	0	0
CC-J2949	9	0	0	8.92	0.08	0.01	0.45	0.009	0	0	0	0	0	0	0	0
CC-J2923_2	9	0	0	8.36	0.64	0.14	7.31	0.071	0	0	0	0	0	0	0	0
BC-1745	9	0	0	5.2	3.8	0.32	24.86	0.422	0	0	0	0	0	0	0	0
CC-J2832_1	9	0	0	6.72	2.27	0.29	13.76	0.252	0	0	0	0	0	0	0	0
CC-J1776_1	9	0	0	6.08	2.91	0.3	14.49	0.323	0	0	0	0	0	0	0	0
CC-J39_1	9	0	0	8.73	0.27	0.02	4.9	0.03	0	0	0	0	0	0	0	0
CC-J3002_3	9	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0
CC-J2846_1	9	0	0	8.08	0.92	0.25	12.55	0.102	0	0	0	0	0	0	0	0
CC-MASJ140_2	9	0	0	8.98	0.02	0	0.08	0.002	0	0	0	0	0	0	0	0
CC-J2923_3	9	0	0	7.44	1.56	0.14	7.02	0.173	0	0	0	0	0	0	0	0
BC-1758_1	9	0	0	4.78	4.22	0.37	25.1	0.468	0	0	0	0	0	0	0	0
BC-1758_2	9	0	0	4.38	4.61	0.51	38.52	0.513	0	0	0	0	0	0	0	0
CC-J39_2	9	0	0	8.71	0.28	0.03	2	0.032	0	0	0	0	0	0	0	0
CC-J41	9	0	0	8.97	0.03	0	0.66	0.003	0	0	0	0	0	0	0	0
BC-1721_3	9	0	0	4.2	4.79	0.38	26.35	0.532	0	0	0	0	0	0	0	0
BC-1758_3	9	0	0	4.08	4.91	0.42	29.82	0.546	0	0	0	0	0	0	0	0
CC-M31042417_3	9	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0
CC-J47_1	9	0	0	8.53	0.47	0.08	15.28	0.052	0	0	0	0	0	0	0	0
CC-J1819	9	0	0	5.54	3.47	1.14	85.62	0.385	0	0	0	0	0	0	0	0
UT-32042417	9	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0
CC-J2864_4	9	0	0	3.71	5.28	1.23	77.07	0.587	0	0	0	0	0	0	0	0
CC-MASJ140_3	9	0	0	8.25	0.75	0.08	14.32	0.084	0	0	0	0	0	0	0	0
BC-2901	9	0	0	5.46	3.54	0.12	10.31	0.393	0	0	0	0	0	0	0	0
PO-2963_3	9	0	0	8.22	0.78	0.1	5.72	0.087	0	0	0	0	0	0	0	0
CC-J2846_2	9	0	0	7.81	1.18	0.32	16.27	0.131	0	0	0	0	0	0	0	0
CC-J46_4	9	0	0	8.58	0.41	0.05	2.21	0.046	0	0	0	0	0	0	0	0
CC-J2999	9	0	0	8.11	0.89	0.12	16.68	0.099	0	0	0	0	0	0	0	0
CC-MASJ3041_2	9	0	0	8.98	0.02	0	1.25	0.003	0	0	0	0	0	0	0	0
CC-J1776_2	9	0	0	8.89	0.11	0.02	0.98	0.012	0	0	0	0	0	0	0	0
CC-MASJ3041_3	9	0	0	7.1	1.9	0.31	29.04	0.212	0	0	0	0	0	0	0	0
CC-J2832_2	9	0	0	8.2	0.79	0.07	4.17	0.088	0	0	0	0	0	0	0	0
CC-J1763_2	9	0	0	8.95	0.05	0	0.18	0.006	0	0	0	0	0	0	0	0
BC-1824_1	9	0	0	4.91	4.09	0.65	41.97	0.454	0	0	0	0	0	0	0	0
CC-J2832_3	9	0	0	7.64	1.35	0.09	4.94	0.15	0	0	0	0	0	0	0	0
CC-J3001_3	9	0	0	8.08	0.92	0.19	21.21	0.102	0	0	0	0	0	0	0	0
CC-J2923_4	9	0	0	8.09	0.91	0.13	6.49	0.101	0	0	0	0	0	0	0	0
CC-J2923_5	9	0	0	8.58	0.42	0.08	4.93	0.047	0	0	0	0	0	0	0	0
CC-J3001_4	9	0	0	5.09	3.91	0.47	37.24	0.434	0	0	0	0	0	0	0	0
CC-J60_1	9	0	0	4.93	4.06	0.68	41.67	0.451	0	0	0	0	0	0	0	0
CC-J2978_1	9	0	0	8.94	0.06	0.01	0.26	0.007	0	0	0	0	0	0	0	0
CC-J2991	9	0	0	7.11	1.89	0.36	32.93	0.21	0	0	0	0	0	0	0	0
CC-J2971_1	9	0	0	8.99	0.01	0	0.05	0.001	0	0	0	0	0	0	0	0
CC-MASJ2948	9	0	0	4.78	4.22	1.24	93.5	0.469	0	0	0	0	0	0	0	0
CC-J45	9	0	0	3.83	5.16	0.49	31.88	0.573	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
BC-1793_1	9	0	0	4.51	4.49	0.64	43.33	0.499	0	0	0	0	0	0	0	0
CC-J2971_2	9	0	0	8.68	0.32	0.02	1.24	0.036	0	0	0	0	0	0	0	0
BC-1797_1	9	0	0	5.47	3.53	0.45	29.65	0.392	0	0	0	0	0	0	0	0
CC-J47_2	9	0	0	6.72	2.28	0.18	19.89	0.253	0	0	0	0	0	0	0	0
CC-J68	9	0	0	4.93	4.07	1.08	72.47	0.452	0	0	0	0	0	0	0	0
BC-1770_2	9	0	0	4.91	4.09	0.56	36.23	0.455	0	0	0	0	0	0	0	0
BC-1795	9	0	0	5.4	3.59	0.49	34.94	0.399	0	0	0	0	0	0	0	0
CC-J2832_4	9	0	0	8.97	0.03	0	0.23	0.003	0	0	0	0	0	0	0	0
CC-J1776_3	9	0	0	6.26	2.74	0.66	57.56	0.305	0	0	0	0	0	0	0	0
CC-J1842_1	9	0	0	6.97	2.03	0.67	67.11	0.225	0	0	0	0	0	0	0	0
CC-J2832_5	9	0	0	8.1	0.9	0.07	8.21	0.1	0	0	0	0	0	0	0	0
CC-MASJ1803	9	0	0	3.7	5.29	0.73	38.41	0.588	0	0	0	0	0	0	0	0
BC-1793_2	9	0	0	4.5	4.5	0.55	39.61	0.5	0	0	0	0	0	0	0	0
CC-J2971_3	9	0	0	9	0	0	0.05	0	0	0	0	0	0	0	0	0
CC-M33042417	9	0	0	8.66	0.34	0.03	5.64	0.038	0	0	0	0	0	0	0	0
BC-1797_2	9	0	0	5.16	3.84	0.52	35.97	0.427	0	0	0	0	0	0	0	0
BC-1817_1	9	0	0	3.8	5.2	0.55	39.57	0.577	0	0	0	0	0	0	0	0
CC-MASJ108	9	0	0	4.06	4.94	0.45	26.69	0.549	0	0	0	0	0	0	0	0
CC-J1815	9	0	0	4.92	4.07	0.67	59.68	0.453	0	0	0	0	0	0	0	0
CC-MASJ110	9	0	0	3.53	5.46	0.75	44.35	0.606	0	0	0	0	0	0	0	0
CC-J2978_2	9	0	0	8.46	0.54	0.02	5.05	0.06	0	0	0	0	0	0	0	0
CC-J2971_4	9	0	0	7.64	1.35	0.18	22.92	0.151	0	0	0	0	0	0	0	0
BC-1817_2	9	0	0	3.54	5.45	0.61	40.86	0.605	0	0	0	0	0	0	0	0
CC-J1846_1	9	0	0	3.93	5.07	0.91	53.67	0.563	0	0	0	0	0	0	0	0
CC-J1846_2	9	0	0	3.83	5.17	1.52	95.3	0.574	0	0	0	0	0	0	0	0
CC-J2971_5	9	0	0	4.73	4.27	2.03	146.72	0.475	0	0	0	0	0	0	0	0
CC-J2846_3	9	0	0	9	0	0	0.14	0	0	0	0	0	0	0	0	0
CC-J2832_6	9	0	0	4.36	4.63	0.56	43.99	0.514	0	0	0	0	0	0	0	0
CC-J2832_7	9	0	0	8.88	0.13	0.01	2.8	0.014	0	0	0	0	0	0	0	0
BC-3524	9	0	0	5.13	3.87	0.36	29.27	0.43	0	0	0	0	0	0	0	0
CC-MASJ1801	9	0	0	3.51	5.48	0.44	30.5	0.609	0	0	0	0	0	0	0	0
CC-J2923_6	9	0	0	8.54	0.46	0.07	15.23	0.051	0	0	0	0	0	0	0	0
CC-J2832_8	9	0	0	5.49	3.51	0.38	39.12	0.389	0	0	0	0	0	0	0	0
CC-J2846_4	9	0	0	6.61	2.39	0.16	17.23	0.266	0	0	0	0	0	0	0	0
CC-J1844_1	9	0	0	4.15	4.84	0.48	38.87	0.538	0	0	0	0	0	0	0	0
CC-J2846_5	9	0	0	6.16	2.83	0.35	27.24	0.315	0	0	0	0	0	0	0	0
CC-J1831_1	9	0	0	4.73	4.27	0.32	28.2	0.474	0	0	0	0	0	0	0	0
BC-1817_3	9	0	0	3.71	5.29	0.4	26.78	0.588	0	0	0	0	0	0	0	0
CC-J1848_1	9	0	0	3.99	5.01	0.39	22.95	0.557	0	0	0	0	0	0	0	0
CC-J1848_2	9	0	0	3.81	5.19	0.74	44.7	0.577	0	0	0	0	0	0	0	0
CC-J2832_9	9	0	0	8.01	0.99	0.11	16.2	0.11	0	0	0	0	0	0	0	0
BC-1824_2	9	0	0	3.98	5.02	0.42	29.73	0.558	0	0	0	0	0	0	0	0
BC-1824_3	9	0	0	4.02	4.98	0.36	24.57	0.554	0	0	0	0	0	0	0	0
CC-J2835	9	0	0	4.65	4.35	0.32	22.66	0.483	0	0	0	0	0	0	0	0
CC-J60_2	9	0	0	3.44	5.55	0.73	36.66	0.617	0	0	0	0	0	0	0	0
CC-J1838	9	0	0	3.71	5.29	0.43	29.01	0.587	0	0	0	0	0	0	0	0
CC-J2923_7	9	0	0	7.63	1.38	0.3	45.81	0.153	0	0	0	0	0	0	0	0
BC-3557	9	0	0	5.18	3.81	0.5	35.38	0.424	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1829_1	9	0	0	3.91	5.09	0.36	22.53	0.565	0	0	0	0	0	0	0	0
CC-J2832_10	9	0	0	3.66	5.33	0.39	28.66	0.593	0	0	0	0	0	0	0	0
CC-J1829_2	9	0	0	4.32	4.67	0.51	30.12	0.519	0	0	0	0	0	0	0	0
BC-3561	9	0	0	5.31	3.69	0.36	12.64	0.41	0	0	0	0	0	0	0	0
BC-3564	9	0	0	5.36	3.64	0.31	24.6	0.404	0	0	0	0	0	0	0	0
CC-MASJ114	9	0	0	3.21	5.78	0.92	55.16	0.643	0	0	0	0	0	0	0	0
CC-J1842_2	9	0	0	5.42	3.58	0.27	19.98	0.397	0	0	0	0	0	0	0	0
CC-J1891_1	9	0	0	5.2	3.79	0.44	35.84	0.421	0	0	0	0	0	0	0	0
CC-J1831_2	9	0	0	5.82	3.18	0.6	33.6	0.353	0	0	0	0	0	0	0	0
CC-J1894	9	0	0	5.34	3.66	0.51	33.42	0.407	0	0	0	0	0	0	0	0
CC-J1850	9	0	0	4.02	4.98	0.4	31.11	0.553	0	0	0	0	0	0	0	0
CC-J1846_3	9	0	0	3.91	5.09	0.86	56.46	0.566	0	0	0	0	0	0	0	0
CC-J1842_3	9	0	0	5.87	3.13	0.56	44.89	0.347	0	0	0	0	0	0	0	0
CC-J1885_1	9	0	0	3.82	5.18	0.56	38.45	0.575	0	0	0	0	0	0	0	0
CC-J1852	9	0	0	3.94	5.06	0.28	19.8	0.562	0	0	0	0	0	0	0	0
CC-J1844_2	9	0	0	3.87	5.12	0.81	51.02	0.569	0	0	0	0	0	0	0	0
CC-J1881_1	9	0	0	3.86	5.14	0.78	48.11	0.571	0	0	0	0	0	0	0	0
CC-J1829_3	9	0	0	3.57	5.42	0.97	56.48	0.602	0	0	0	0	0	0	0	0
CC-J1871	9	0	0	3.98	5.02	0.62	42.57	0.557	0	0	0	0	0	0	0	0
CC-J1866_1	9	0	0	3.88	5.12	0.2	14.45	0.569	0	0	0	0	0	0	0	0
CC-J1881_2	9	0	0	4.21	4.79	0.85	59.92	0.532	0	0	0	0	0	0	0	0
CC-J1866_2	9	0	0	3.43	5.56	1.06	64.82	0.618	0	0	0	0	0	0	0	0
CC-J1866_3	9	0	0	3.27	5.72	0.94	61.06	0.636	0	0	0	0	0	0	0	0
CC-J1883	9	0	0	3.65	5.34	0.43	28.39	0.593	0	0	0	0	0	0	0	0
CC-J1855	9	0	0	4.14	4.85	0.39	26.84	0.538	0	0	0	0	0	0	0	0
CC-J1858	9	0	0	3.58	5.41	0.9	57.31	0.601	0	0	0	0	0	0	0	0
BC-3605	9	0	0	4.29	4.71	0.43	33.36	0.523	0	0	0	0	0	0	0	0
BC-3606	9	0	0	4.73	4.27	0.36	24.75	0.475	0	0	0	0	0	0	0	0
CC-J1889	9	0	0	4.91	4.08	0.41	26.88	0.454	0	0	0	0	0	0	0	0
CC-J2851_1	9	0	0	4.15	4.85	1.29	82.16	0.539	0	0	0	0	0	0	0	0
CC-J1860	9	0	0	3.99	5.01	0.67	41.73	0.557	0	0	0	0	0	0	0	0
CC-J1873_1	9	0	0	2.83	6.16	0.58	38.96	0.684	0	0	0	0	0	0	0	0
CC-J1900_1	9	0	0	3.93	5.07	0.36	23.34	0.563	0	0	0	0	0	0	0	0
CC-J1879_1	9	0	0	3.79	5.2	0.31	19.89	0.578	0	0	0	0	0	0	0	0
CC-J1907	9	0	0	5.35	3.65	0.53	42.92	0.406	0	0	0	0	0	0	0	0
CC-J1896	9	0	0	3.77	5.23	1.11	81.04	0.581	0	0	0	0	0	0	0	0
BC-3627	9	0	0	4	5	1.14	69.2	0.556	0	0	0	0	0	0	0	0
CC-J1873_2	9	0	0	3.81	5.18	0.74	52.6	0.576	0	0	0	0	0	0	0	0
CC-J1885_2	9	0	0	3.89	5.1	0.73	48.47	0.567	0	0	0	0	0	0	0	0
CC-J1885_3	9	0	0	3.8	5.19	0.4	26.68	0.577	0	0	0	0	0	0	0	0
CC-J1909_1	9	0	0	5.92	3.08	0.67	50.74	0.342	0	0	0	0	0	0	0	0
CC-J1905_1	9	0	0	3.95	5.05	1.31	87.07	0.561	0	0	0	0	0	0	0	0
CC-J1879_2	9	0	0	5.38	3.62	0.65	61.88	0.402	0	0	0	0	0	0	0	0
CC-J2851_2	9	0	0	4.32	4.68	0.36	22.32	0.52	0	0	0	0	0	0	0	0
BC-3638	9	0	0	4.74	4.26	0.87	51.78	0.474	0	0	0	0	0	0	0	0
CC-J1887	9	0	0	3.96	5.04	0.44	32.67	0.559	0	0	0	0	0	0	0	0
CC-J1891_2	9	0	0	5.13	3.87	0.26	23.79	0.43	0	0	0	0	0	0	0	0
CC-J1891_3	9	0	0	5.72	3.28	0.6	49.25	0.365	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2959	9	0	0	4.25	4.75	0.52	39.93	0.528	0	0	0	0	0	0	0	0
CC-J2860	9	0	0	3.86	5.14	0.77	54.8	0.571	0	0	0	0	0	0	0	0
CC-J2851_3	9	0	0	4.1	4.9	0.49	39.2	0.545	0	0	0	0	0	0	0	0
CC-J1947_1	9	0	0	5.98	3.02	0.26	24.49	0.335	0	0	0	0	0	0	0	0
CC-J2774	9	0	0	4.3	4.69	0.89	70.11	0.522	0	0	0	0	0	0	0	0
CC-J1900_2	9	0	0	4.07	4.93	0.75	55.64	0.548	0	0	0	0	0	0	0	0
CC-J1905_2	9	0	0	3.97	5.03	1.02	77.06	0.559	0	0	0	0	0	0	0	0
CC-J1905_3	9	0	0	3.84	5.15	0.37	29.43	0.573	0	0	0	0	0	0	0	0
CC-J1928_1	9	0	0	4.93	4.06	0.3	21.56	0.451	0	0	0	0	0	0	0	0
CC-J1926	9	0	0	3.89	5.11	0.42	33.19	0.568	0	0	0	0	0	0	0	0
BC-3668	9	0	0	4	5	1.11	75.24	0.556	0	0	0	0	0	0	0	0
CC-J3019	9	0	0	3.13	5.86	0.66	38.53	0.651	0	0	0	0	0	0	0	0
CC-J1928_2	9	0	0	5.94	3.06	0.42	34.38	0.34	0	0	0	0	0	0	0	0
CC-J1939	9	0	0	3.91	5.09	1.1	82	0.566	0	0	0	0	0	0	0	0
CC-J1909_2	9	0	0	6.25	2.75	0.25	23.57	0.306	0	0	0	0	0	0	0	0
CC-J1962_1	9	0	0	3.65	5.35	0.41	29.45	0.594	0	0	0	0	0	0	0	0
CC-J2829	9	0	0	4.5	4.5	0.93	56.69	0.5	0	0	0	0	0	0	0	0
CC-J3018	9	0	0	3.38	5.61	0.56	32.06	0.623	0	0	0	0	0	0	0	0
CC-J1917	9	0	0	5.63	3.37	0.69	58.73	0.374	0	0	0	0	0	0	0	0
CC-J2696	9	0	0	4.1	4.9	0.75	59.65	0.544	0	0	0	0	0	0	0	0
CC-J1971	9	0	0	3.63	5.37	1.25	87.28	0.596	0	0	0	0	0	0	0	0
CC-J1911	9	0	0	4.17	4.83	0.85	57.21	0.537	0	0	0	0	0	0	0	0
CC-J17_1	9	0	0	4.43	4.56	0.69	43.06	0.507	0	0	0	0	0	0	0	0
CC-J1922_1	9	0	0	4.31	4.69	0.4	23.72	0.521	0	0	0	0	0	0	0	0
CC-GR7_1	9	0	0	3.99	5.01	0.88	63.98	0.557	0	0	0	0	0	0	0	0
CC-J1920	9	0	0	3.78	5.22	0.58	36.89	0.58	0	0	0	0	0	0	0	0
CC-J1922_2	9	0	0	4.11	4.88	0.95	60.32	0.543	0	0	0	0	0	0	0	0
CC-J1922_3	9	0	0	4.29	4.71	0.84	55.34	0.524	0	0	0	0	0	0	0	0
CC-J1949_1	9	0	0	5.67	3.33	0.38	39	0.37	0	0	0	0	0	0	0	0
CC-J1962_2	9	0	0	3.84	5.16	0.73	45.69	0.573	0	0	0	0	0	0	0	0
CC-J1909_3	9	0	0	5.23	3.76	0.59	42.4	0.418	0	0	0	0	0	0	0	0
CC-J1941	9	0	0	5.84	3.16	0.33	28.11	0.351	0	0	0	0	0	0	0	0
CC-J17_2	9	0	0	5.04	3.96	0.34	24.07	0.44	0	0	0	0	0	0	0	0
CC-GR7_2	9	0	0	3.97	5.01	0.55	34.95	0.556	0	0	0	0	0	0	0	0
CC-J1985_1	9	0	0	5.51	3.49	0.25	22.45	0.388	0	0	0	0	0	0	0	0
CC-J2779	9	0	0	3.49	5.5	0.38	28.09	0.612	0	0	0	0	0	0	0	0
CC-J1932_1	9	0	0	3.66	5.34	0.98	59.35	0.593	0	0	0	0	0	0	0	0
CC-J1935	9	0	0	5.33	3.67	0.49	42.52	0.408	0	0	0	0	0	0	0	0
BC-3722	9	0	0	3.98	5.02	0.81	40.55	0.558	0	0	0	0	0	0	0	0
CC-J1964	9	0	0	4.11	4.89	0.39	29.97	0.543	0	0	0	0	0	0	0	0
CC-gr21_1	9	0	0	3.92	5.08	1	68.52	0.564	0	0	0	0	0	0	0	0
CC-J1947_2	9	0	0	5.06	3.94	0.69	57.6	0.437	0	0	0	0	0	0	0	0
CC-J1947_3	9	0	0	5.26	3.74	0.36	32.59	0.415	0	0	0	0	0	0	0	0
BC-3734	9	0	0	3.87	5.13	0.32	19.75	0.569	0	0	0	0	0	0	0	0
CC-J1945	9	0	0	3.92	5.07	0.52	26.45	0.564	0	0	0	0	0	0	0	0
CC-J1932_2	9	0	0	3.15	5.84	1.16	73.98	0.649	0	0	0	0	0	0	0	0
CC-J1991_1	9	0	0	6.3	2.71	0.24	28.84	0.301	0	0	0	0	0	0	0	0
CC-J1966_1	9	0	0	4.91	4.09	0.29	23.55	0.455	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1966_2	9	0	0	4.96	4.04	0.41	30.83	0.449	0	0	0	0	0	0	0	0
CC-J1989	9	0	0	3.98	5.02	0.51	36.87	0.558	0	0	0	0	0	0	0	0
CC-J1949_2	9	0	0	4.14	4.85	0.69	48.85	0.539	0	0	0	0	0	0	0	0
CC-gr21_2	9	0	0	3.96	5.04	0.74	48.94	0.559	0	0	0	0	0	0	0	0
CC-J1956	9	0	0	3.66	5.34	0.72	47.13	0.593	0	0	0	0	0	0	0	0
CC-J1985_2	9	0	0	5.91	3.09	0.32	22.57	0.343	0	0	0	0	0	0	0	0
CC-J24	9	0	0	5.43	3.57	0.62	45.49	0.396	0	0	0	0	0	0	0	0
CC-gr16	9	0	0	3.79	5.21	0.76	56.3	0.579	0	0	0	0	0	0	0	0
BC-3765	9	0	0	4.11	4.89	0.7	43.41	0.543	0	0	0	0	0	0	0	0
CC-J1991_2	9	0	0	4.6	4.4	0.98	69.89	0.489	0	0	0	0	0	0	0	0
CC-J2001_1	9	0	0	4.5	4.5	0.53	37.96	0.5	0	0	0	0	0	0	0	0
CC-J2694	9	0	0	3.62	5.38	0.42	31.09	0.598	0	0	0	0	0	0	0	0
CC-J1987	9	0	0	5.18	3.82	0.4	32.49	0.425	0	0	0	0	0	0	0	0
CC-J1997_1	9	0	0	3.97	5.03	0.42	32.22	0.559	0	0	0	0	0	0	0	0
CC-J20_1	9	0	0	5.48	3.52	0.23	18.6	0.391	0	0	0	0	0	0	0	0
CC-J2011_1	9	0	0	5.81	3.19	0.42	30.88	0.355	0	0	0	0	0	0	0	0
CC-J1997_2	9	0	0	3.91	5.09	1.05	73.32	0.565	0	0	0	0	0	0	0	0
CC-J20_2	9	0	0	4.71	4.29	0.5	31.48	0.477	0	0	0	0	0	0	0	0
CC-J2003	9	0	0	3.7	5.3	0.65	44.68	0.589	0	0	0	0	0	0	0	0
CC-J2005	9	0	0	5.73	3.27	0.49	41.89	0.363	0	0	0	0	0	0	0	0
CC-J2016	9	0	0	4.94	4.05	0.31	24.42	0.45	0	0	0	0	0	0	0	0
CC-J2022	9	0	0	3.4	5.59	0.95	58.32	0.621	0	0	0	0	0	0	0	0
CC-J2011_2	9	0	0	4.71	4.29	0.58	43.01	0.476	0	0	0	0	0	0	0	0
BC-3801	9	0	0	4.18	4.82	0.72	47.59	0.535	0	0	0	0	0	0	0	0
CC-J2776	9	0	0	5.16	3.84	0.84	76.8	0.427	0	0	0	0	0	0	0	0
CC-J2001_2	9	0	0	4.1	4.88	0.74	51.22	0.543	0	0	0	0	0	0	0	0
CC-J27_1	9	0	0	5.28	3.72	0.39	30.74	0.413	0	0	0	0	0	0	0	0
CC-J2030	9	0	0	4.73	4.27	0.76	63.89	0.474	0	0	0	0	0	0	0	0
CC-J2043_1	9	0	0	3.41	5.58	0.44	28.07	0.62	0	0	0	0	0	0	0	0
CC-J2032_1	9	0	0	5.41	3.58	0.48	45.47	0.398	0	0	0	0	0	0	0	0
CC-J27_2	9	0	0	4.52	4.48	0.36	25.65	0.497	0	0	0	0	0	0	0	0
CC-J2018_1	9	0	0	3.04	5.94	0.6	37.71	0.661	0	0	0	0	0	0	0	0
CC-J2024_1	9	0	0	5.26	3.73	0.65	47.1	0.415	0	0	0	0	0	0	0	0
CC-J2020_1	9	0	0	3.4	5.59	0.68	39.56	0.621	0	0	0	0	0	0	0	0
CC-J2823_1	9	0	0	5.01	3.98	0.3	28.01	0.443	0	0	0	0	0	0	0	0
CC-J2737_1	9	0	0	5.21	3.79	0.58	57.35	0.421	0	0	0	0	0	0	0	0
CC-J2737_2	9	0	0	3.7	5.29	0.5	34.86	0.587	0	0	0	0	0	0	0	0
CC-J2043_2	9	0	0	3.64	5.36	0.67	43.74	0.595	0	0	0	0	0	0	0	0
CC-gr14	9	0	0	3.76	5.24	0.57	39.35	0.582	0	0	0	0	0	0	0	0
CC-J2034_1	9	0	0	5.34	3.66	0.35	34.69	0.406	0	0	0	0	0	0	0	0
CC-J2045_1	9	0	0	4.17	4.83	0.57	46.29	0.536	0	0	0	0	0	0	0	0
CC-J2020_2	9	0	0	4.06	4.94	1.81	111.36	0.548	0	0	0	0	0	0	0	0
CC-J2020_3	9	0	0	3.27	5.72	0.55	36.3	0.635	0	0	0	0	0	0	0	0
CC-J14	9	0	0	5.19	3.8	0.55	41.86	0.423	0	0	0	0	0	0	0	0
CC-J2032_2	9	0	0	5.54	3.45	0.27	25.04	0.384	0	0	0	0	0	0	0	0
CC-J2753	9	0	0	3.68	5.32	0.84	60.61	0.591	0	0	0	0	0	0	0	0
UT1-2944_1	9	0	0	4.41	4.59	0.74	49.35	0.51	0	0	0	0	0	0	0	0
BC-3839	9	0	0	3.88	5.12	0.48	32.68	0.569	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2823_2	9	0	0	4.43	4.56	0.77	47.35	0.507	0	0	0	0	0	0	0	0
CC-J2058	9	0	0	4.02	4.98	1.16	65.15	0.554	0	0	0	0	0	0	0	0
CC-J2705	9	0	0	3.26	5.74	0.5	33.03	0.637	0	0	0	0	0	0	0	0
CC-J2050_1	9	0	0	3.52	5.47	0.49	32.01	0.608	0	0	0	0	0	0	0	0
CC-J2018_2	9	0	0	3.76	5.23	1.01	69.37	0.581	0	0	0	0	0	0	0	0
CC-J2024_2	9	0	0	5.25	3.74	0.46	35.02	0.416	0	0	0	0	0	0	0	0
CC-J2034_2	9	0	0	4.66	4.33	0.45	32.65	0.481	0	0	0	0	0	0	0	0
CC-J2024_3	9	0	0	5.85	3.14	0.25	21.93	0.349	0	0	0	0	0	0	0	0
UT1-2944_2	9	0	0	4.33	4.67	0.61	50.64	0.518	0	0	0	0	0	0	0	0
CC-J2050_2	9	0	0	3.36	5.63	0.52	34.83	0.626	0	0	0	0	0	0	0	0
CC-J2045_2	9	0	0	3.91	5.09	0.59	44.38	0.565	0	0	0	0	0	0	0	0
CC-J2050_3	9	0	0	4	4.99	0.79	55.99	0.554	0	0	0	0	0	0	0	0
UT9-1_1	9	0	0	5.42	3.58	0.3	26.55	0.397	0	0	0	0	0	0	0	0
CC-J2071	9	0	0	3.33	5.66	0.61	38.7	0.628	0	0	0	0	0	0	0	0
UT9-1_2	9	0	0	5.82	3.18	0.49	52.62	0.353	0	0	0	0	0	0	0	0
UT9-104_1	9	0	0	5.51	3.48	0.81	51.44	0.387	0	0	0	0	0	0	0	0
CC-J2803	9	0	0	4.17	4.83	0.57	46.51	0.537	0	0	0	0	0	0	0	0
UT9-106_1	9	0	0	4.54	4.45	0.84	50.74	0.494	0	0	0	0	0	0	0	0
UT9-106_2	9	0	0	4.73	4.27	1.24	80.26	0.474	0	0	0	0	0	0	0	0
UT9-106_3	9	0	0	5.38	3.62	0.25	18.28	0.403	0	0	0	0	0	0	0	0
CC-J2087	9	0	0	4.72	4.28	1.06	85.65	0.476	0	0	0	0	0	0	0	0
CC-J2024_4	9	0	0	3.57	5.41	0.39	28.3	0.601	0	0	0	0	0	0	0	0
CC-J2060	9	0	0	5.61	3.39	0.94	66.68	0.377	0	0	0	0	0	0	0	0
UT1-2802	9	0	0	2.41	6.57	0.5	30.05	0.73	0	0	0	0	0	0	0	0
UT9-1_3	9	0	0	5.55	3.44	0.45	33.68	0.383	0	0	0	0	0	0	0	0
CC-J2692	9	0	0	3.28	5.71	1.04	72.68	0.634	0	0	0	0	0	0	0	0
CC-J2096	9	0	0	4.06	4.93	0.46	29.69	0.547	0	0	0	0	0	0	0	0
CC-J2112_1	9	0	0	4.13	4.87	1.19	84.03	0.541	0	0	0	0	0	0	0	0
UT1-2098_1	9	0	0	3.98	5.02	0.77	53.67	0.557	0	0	0	0	0	0	0	0
UT2-2107_1	9	0	0	4.1	4.9	0.54	34.17	0.545	0	0	0	0	0	0	0	0
BC-3906	9	0	0	3.97	5.02	0.74	36.03	0.558	0	0	0	0	0	0	0	0
CC-J3020	9	0	0	3.68	5.32	1.03	62.67	0.591	0	0	0	0	0	0	0	0
UT9-109_1	9	0	0	5.97	3.03	0.94	76.88	0.336	0	0	0	0	0	0	0	0
CC-J1	9	0	0	4.44	4.55	0.51	34.5	0.506	0	0	0	0	0	0	0	0
CC-J2076_1	9	0	0	3.92	5.08	0.9	50.13	0.564	0	0	0	0	0	0	0	0
CC-J2997	9	0	0	3.99	5.01	0.58	39.04	0.557	0	0	0	0	0	0	0	0
UT2-2107_2	9	0	0	4.04	4.95	0.46	26.46	0.55	0	0	0	0	0	0	0	0
UT9-9	9	0	0	6.36	2.64	0.37	40.73	0.293	0	0	0	0	0	0	0	0
UT9-6_1	9	0	0	6.32	2.68	0.19	23.24	0.298	0	0	0	0	0	0	0	0
CC-J2995_1	9	0	0	4.15	4.85	0.93	64.94	0.539	0	0	0	0	0	0	0	0
UT9-104_2	9	0	0	5.87	3.13	0.22	17.76	0.347	0	0	0	0	0	0	0	0
UT9-104_3	9	0	0	5.95	3.04	0.33	26.29	0.338	0	0	0	0	0	0	0	0
UT9-5_1	9	0	0	4.87	4.12	0.54	41.16	0.457	0	0	0	0	0	0	0	0
CC-J2076_2	9	0	0	3.81	5.19	0.4	29.65	0.576	0	0	0	0	0	0	0	0
CC-J2101_1	9	0	0	4.35	4.64	1.03	47.47	0.516	0	0	0	0	0	0	0	0
UT9-90_1	9	0	0	5.06	3.93	0.77	53.84	0.436	0	0	0	0	0	0	0	0
UT1-2089_1	9	0	0	4.32	4.68	0.37	26.48	0.52	0	0	0	0	0	0	0	0
UT9-106_4	9	0	0	5.73	3.27	0.3	25.5	0.363	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT9-3	9	0	0	6.06	2.94	0.31	33.32	0.326	0	0	0	0	0	0	0	0
UT1-2089_2	9	0	0	4.5	4.5	1.04	67.36	0.5	0	0	0	0	0	0	0	0
CC-J2116_1	9	0	0	5.15	3.85	0.83	65.21	0.427	0	0	0	0	0	0	0	0
UT2-2125	9	0	0	4.52	4.49	0.89	68.72	0.498	0	0	0	0	0	0	0	0
UT2-2107_3	9	0	0	4.24	4.76	0.51	40.26	0.529	0	0	0	0	0	0	0	0
UT2-2107_4	9	0	0	4.67	4.34	0.38	26.23	0.482	0	0	0	0	0	0	0	0
CC-J2103_1	9	0	0	5.21	3.79	0.53	43	0.421	0	0	0	0	0	0	0	0
CC-J2094_1	9	0	0	3.31	5.68	0.68	39.35	0.631	0	0	0	0	0	0	0	0
CC-J2094_2	9	0	0	3.92	5.08	0.29	21.89	0.564	0	0	0	0	0	0	0	0
UT9-92_1	9	0	0	4.47	4.53	1.17	83.45	0.504	0	0	0	0	0	0	0	0
CC-J2101_2	9	0	0	4.23	4.77	0.49	33.6	0.53	0	0	0	0	0	0	0	0
UT9-151	9	0	0	4.9	4.09	0.38	25.51	0.454	0	0	0	0	0	0	0	0
UT9-5_2	9	0	0	4.94	4.05	0.36	28.79	0.45	0	0	0	0	0	0	0	0
CC-J2101_3	9	0	0	4.09	4.91	0.36	22.84	0.545	0	0	0	0	0	0	0	0
UT1-2098_2	9	0	0	4.33	4.67	0.44	27.32	0.519	0	0	0	0	0	0	0	0
UT9-109_2	9	0	0	4.8	4.2	0.27	18.92	0.467	0	0	0	0	0	0	0	0
UT9-114	9	0	0	6.19	2.81	0.74	61.02	0.313	0	0	0	0	0	0	0	0
CC-J2103_2	9	0	0	5.27	3.73	0.25	23.3	0.414	0	0	0	0	0	0	0	0
UT9-2_1	9	0	0	6.12	2.87	0.36	32.81	0.319	0	0	0	0	0	0	0	0
UT2-2107_5	9	0	0	4.38	4.63	0.54	30.73	0.514	0	0	0	0	0	0	0	0
CC-J2116_2	9	0	0	5.61	3.39	0.26	24.03	0.377	0	0	0	0	0	0	0	0
CC-J2116_3	9	0	0	4.75	4.25	0.35	28.34	0.472	0	0	0	0	0	0	0	0
CC-J2112_2	9	0	0	4.12	4.87	0.33	19.22	0.541	0	0	0	0	0	0	0	0
UT1-2121	9	0	0	4.34	4.66	0.56	35.38	0.518	0	0	0	0	0	0	0	0
CC-J2114_1	9	0	0	3.57	5.42	0.45	28.4	0.602	0	0	0	0	0	0	0	0
CC-J2140	9	0	0	4.72	4.27	0.35	30.11	0.475	0	0	0	0	0	0	0	0
UT9-109_3	9	0	0	5.75	3.25	0.45	42.81	0.361	0	0	0	0	0	0	0	0
CC-MASJ2149	9	0	0	4.61	4.38	0.52	38.3	0.487	0	0	0	0	0	0	0	0
CC-J2123	9	0	0	3.88	5.11	0.4	28.1	0.567	0	0	0	0	0	0	0	0
UT1-2878_1	9	0	0	3.54	5.45	0.29	19.43	0.606	0	0	0	0	0	0	0	0
CC-J2136_1	9	0	0	5.15	3.85	0.37	32.49	0.428	0	0	0	0	0	0	0	0
UT9-4_1	9	0	0	5.52	3.48	0.33	29.18	0.387	0	0	0	0	0	0	0	0
UT2-2134	9	0	0	4.29	4.71	0.5	31.55	0.523	0	0	0	0	0	0	0	0
CC-J2160_1	9	0	0	3.69	5.3	0.73	38.68	0.589	0	0	0	0	0	0	0	0
CC-J2114_2	9	0	0	4.35	4.65	0.48	28.68	0.517	0	0	0	0	0	0	0	0
CC-J2995_2	9	0	0	4.03	4.97	0.41	24.32	0.552	0	0	0	0	0	0	0	0
CC-J2136_2	9	0	0	5.09	3.91	0.35	32.49	0.434	0	0	0	0	0	0	0	0
UT1-2183	9	0	0	4.29	4.71	1.25	95.57	0.523	0	0	0	0	0	0	0	0
CC-J2136_3	9	0	0	5.5	3.5	0.27	27.1	0.389	0	0	0	0	0	0	0	0
UT2-2153	9	0	0	4.56	4.44	0.4	26.99	0.494	0	0	0	0	0	0	0	0
CC-J2158	9	0	0	3.92	5.08	0.49	32.01	0.564	0	0	0	0	0	0	0	0
CC-MASJ2814	9	0	0	3.68	5.31	0.15	10.72	0.59	0	0	0	0	0	0	0	0
UT6-11_1	9	0	0	3.69	5.29	0.52	32.51	0.588	0	0	0	0	0	0	0	0
CC-MASJ2187	9	0	0	4.71	4.29	0.87	63.93	0.477	0	0	0	0	0	0	0	0
UT9-12	9	0	0	5.69	3.31	1.19	116.23	0.367	0	0	0	0	0	0	0	0
CC-J2160_2	9	0	0	4.07	4.93	0.4	21.53	0.547	0	0	0	0	0	0	0	0
UT1-2878_2	9	0	0	3.98	5.02	0.66	49.49	0.557	0	0	0	0	0	0	0	0
UT1-2878_3	9	0	0	4.39	4.61	0.51	27.81	0.512	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2170_1	9	0	0	3.89	5.11	0.8	47.98	0.568	0	0	0	0	0	0	0	0
CC-J2170_2	9	0	0	4.4	4.6	0.33	22	0.511	0	0	0	0	0	0	0	0
UT2-2162_1	9	0	0	4.33	4.67	0.52	32.16	0.519	0	0	0	0	0	0	0	0
CC-J2174	9	0	0	3.91	5.09	0.36	21.67	0.566	0	0	0	0	0	0	0	0
UT9-92_2	9	0	0	5.33	3.67	0.31	23.16	0.408	0	0	0	0	0	0	0	0
UT9-18_1	9	0	0	6.23	2.77	0.37	45.69	0.308	0	0	0	0	0	0	0	0
UT9-101_1	9	0	0	4.14	4.84	0.6	39.1	0.538	0	0	0	0	0	0	0	0
UT9-6_2	9	0	0	5.98	3.02	0.46	41.93	0.336	0	0	0	0	0	0	0	0
CC-J2185_1	9	0	0	4.09	4.91	0.53	32.58	0.545	0	0	0	0	0	0	0	0
CC-J2729	9	0	0	3.81	5.19	0.5	34.22	0.576	0	0	0	0	0	0	0	0
CC-MASJ2703_1	9	0	0	4.47	4.53	0.48	41.08	0.503	0	0	0	0	0	0	0	0
UT9-7	9	0	0	5.87	3.13	0.33	29.91	0.348	0	0	0	0	0	0	0	0
UT2-2162_2	9	0	0	4.27	4.73	0.46	33.34	0.526	0	0	0	0	0	0	0	0
UT1-2197	9	0	0	4.52	4.48	0.75	61.55	0.498	0	0	0	0	0	0	0	0
UT2-2220	9	0	0	4.25	4.75	1.19	85.45	0.528	0	0	0	0	0	0	0	0
CC-J2170_3	9	0	0	4.3	4.7	0.38	24.58	0.522	0	0	0	0	0	0	0	0
UT6-19_1	9	0	0	5.15	3.85	0.49	40.02	0.427	0	0	0	0	0	0	0	0
CC-MASJ2703_2	9	0	0	3.78	5.22	0.37	26.5	0.58	0	0	0	0	0	0	0	0
UT9-92_3	9	0	0	5.82	3.18	0.37	33.93	0.354	0	0	0	0	0	0	0	0
UT9-8	9	0	0	5.18	3.82	0.34	29.08	0.424	0	0	0	0	0	0	0	0
UT1-2243_1	9	0	0	4.46	4.54	0.52	32.08	0.505	0	0	0	0	0	0	0	0
CC-MASJ2191	9	0	0	4.5	4.49	0.74	55.78	0.499	0	0	0	0	0	0	0	0
UT9-2_2	9	0	0	6.16	2.84	0.32	30.73	0.316	0	0	0	0	0	0	0	0
CC-J2227_1	9	0	0	4	5	0.9	67.47	0.555	0	0	0	0	0	0	0	0
CC-J2185_2	9	0	0	4.02	4.98	1.01	60.82	0.553	0	0	0	0	0	0	0	0
CC-J2216_1	9	0	0	3.93	5.06	0.63	32.96	0.563	0	0	0	0	0	0	0	0
CC-J2227_2	9	0	0	3.77	5.22	0.41	28.15	0.58	0	0	0	0	0	0	0	0
UT9-4_2	9	0	0	6.02	2.97	0.7	70.48	0.331	0	0	0	0	0	0	0	0
UT9-10	9	0	0	5.5	3.5	0.63	46.86	0.389	0	0	0	0	0	0	0	0
CC-J2214	9	0	0	4.15	4.85	0.78	46.52	0.539	0	0	0	0	0	0	0	0
CC-J2237_1	9	0	0	3.46	5.54	0.73	51.79	0.615	0	0	0	0	0	0	0	0
UT9-13_1	9	0	0	5.75	3.25	0.4	28.95	0.361	0	0	0	0	0	0	0	0
UT1-2207	9	0	0	4.21	4.79	0.72	47.62	0.532	0	0	0	0	0	0	0	0
CC-J2223_1	9	0	0	4	5	0.34	21.98	0.555	0	0	0	0	0	0	0	0
UT6-11_2	9	0	0	5.68	3.32	1.46	116.57	0.369	0	0	0	0	0	0	0	0
CC-J2807	9	0	0	4.24	4.76	0.6	45.79	0.529	0	0	0	0	0	0	0	0
UT9-13_2	9	0	0	5.08	3.92	0.54	41.56	0.435	0	0	0	0	0	0	0	0
UT9-90_2	9	0	0	6.21	2.79	0.3	30.81	0.31	0	0	0	0	0	0	0	0
UT6-19_2	9	0	0	4.9	4.08	0.5	35.33	0.454	0	0	0	0	0	0	0	0
UT6-19_3	9	0	0	5.27	3.73	0.36	31.06	0.414	0	0	0	0	0	0	0	0
UT6-109	9	0	0	5.97	3.03	0.42	36.02	0.337	0	0	0	0	0	0	0	0
UT1-2243_2	9	0	0	3.65	5.35	0.66	45.51	0.594	0	0	0	0	0	0	0	0
UT1-2243_3	9	0	0	4.42	4.58	0.53	39.64	0.509	0	0	0	0	0	0	0	0
CC-J2246	9	0	0	4.05	4.95	0.52	41.6	0.55	0	0	0	0	0	0	0	0
UT6-11_3	9	0	0	5.45	3.55	0.3	30.32	0.394	0	0	0	0	0	0	0	0
UT9-18_2	9	0	0	5.82	3.18	0.25	21.84	0.354	0	0	0	0	0	0	0	0
CC-J2290_1	9	0	0	4.09	4.9	0.69	45.85	0.545	0	0	0	0	0	0	0	0
UT9-18_3	9	0	0	5.9	3.1	0.3	28.49	0.344	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT1-2250_1	9	0	0	3.94	5.05	1.5	108.73	0.562	0	0	0	0	0	0	0	0
CC-J2223_2	9	0	0	4.44	4.56	0.58	36.16	0.506	0	0	0	0	0	0	0	0
UT9-90_3	9	0	0	5.42	3.58	0.26	25.32	0.397	0	0	0	0	0	0	0	0
UT6-19_4	9	0	0	5.9	3.1	0.5	39.93	0.344	0	0	0	0	0	0	0	0
CC-J2216_2	9	0	0	4.3	4.7	0.65	40.18	0.522	0	0	0	0	0	0	0	0
UT4-170	9	0	0	4.11	4.89	1.37	88.74	0.543	0	0	0	0	0	0	0	0
CC-J3_1	9	0	0	3.32	5.67	0.61	41.05	0.63	0	0	0	0	0	0	0	0
UT9-92_4	9	0	0	5.46	3.54	0.38	34.56	0.393	0	0	0	0	0	0	0	0
UT2-2252_1	9	0	0	4.33	4.67	0.42	25.89	0.519	0	0	0	0	0	0	0	0
CC-J2272	9	0	0	3.92	5.07	0.47	28.94	0.564	0	0	0	0	0	0	0	0
CC-J2269	9	0	0	4.05	4.94	0.97	59.95	0.549	0	0	0	0	0	0	0	0
CC-J2237_2	9	0	0	4.5	4.5	0.51	40.4	0.5	0	0	0	0	0	0	0	0
UT9-90_4	9	0	0	5.89	3.11	0.4	32.82	0.346	0	0	0	0	0	0	0	0
UT9-92_5	9	0	0	5.59	3.41	0.64	55.54	0.379	0	0	0	0	0	0	0	0
UT2-2252_2	9	0	0	4.2	4.8	0.67	49.08	0.534	0	0	0	0	0	0	0	0
UT2-2252_3	9	0	0	4.31	4.69	0.64	41.73	0.521	0	0	0	0	0	0	0	0
UT6-152	9	0	0	6.18	2.82	0.53	49.59	0.313	0	0	0	0	0	0	0	0
UT1-2250_2	9	0	0	3.71	5.28	0.72	40.74	0.587	0	0	0	0	0	0	0	0
UT9-86_1	9	0	0	5.9	3.1	0.64	64.29	0.344	0	0	0	0	0	0	0	0
CC-J2274	9	0	0	3.76	5.23	0.54	36.13	0.581	0	0	0	0	0	0	0	0
UT9-92_6	9	0	0	6.11	2.89	0.59	52.54	0.322	0	0	0	0	0	0	0	0
UT9-101_2	9	0	0	5.17	3.82	0.39	34.26	0.425	0	0	0	0	0	0	0	0
UT9-101_3	9	0	0	5.45	3.55	0.79	64.63	0.395	0	0	0	0	0	0	0	0
UT9-24	9	0	0	4.96	4.03	0.49	37.56	0.448	0	0	0	0	0	0	0	0
CC-J2290_2	9	0	0	3.73	5.26	0.92	58.39	0.584	0	0	0	0	0	0	0	0
UT3-20_1	9	0	0	3.93	5.07	1.86	129.57	0.563	0	0	0	0	0	0	0	0
UT9-17_1	9	0	0	4.82	4.17	0.43	35.02	0.463	0	0	0	0	0	0	0	0
UT9-17_2	9	0	0	5.39	3.61	0.91	73.36	0.401	0	0	0	0	0	0	0	0
UT9-17_3	9	0	0	5.45	3.55	0.56	44.33	0.395	0	0	0	0	0	0	0	0
UT9-13_3	9	0	0	5.28	3.71	0.68	49.61	0.413	0	0	0	0	0	0	0	0
UT9-88_1	9	0	0	5.92	3.08	0.36	35.34	0.342	0	0	0	0	0	0	0	0
UT4-15	9	0	0	4.21	4.78	0.42	28.59	0.531	0	0	0	0	0	0	0	0
UT4-23_1	9	0	0	4.28	4.72	0.82	65.9	0.524	0	0	0	0	0	0	0	0
UT4-14	9	0	0	3.25	5.74	0.41	26.51	0.637	0	0	0	0	0	0	0	0
UT9-88_2	9	0	0	5.75	3.25	0.63	46	0.361	0	0	0	0	0	0	0	0
UT4-23_2	9	0	0	4.18	4.82	0.45	34.58	0.536	0	0	0	0	0	0	0	0
CC-J3_2	9	0	0	4.67	4.33	0.6	48.02	0.481	0	0	0	0	0	0	0	0
UT4-35_1	9	0	0	4.02	4.98	0.4	28.14	0.553	0	0	0	0	0	0	0	0
UT4-35_2	9	0	0	4.46	4.54	0.59	36.73	0.504	0	0	0	0	0	0	0	0
UT4-23_3	9	0	0	4.29	4.71	0.72	44.51	0.523	0	0	0	0	0	0	0	0
CC-J3_3	9	0	0	4.94	4.06	0.35	24.05	0.451	0	0	0	0	0	0	0	0
UT9-86_2	9	0	0	5.99	3.01	0.32	29.86	0.334	0	0	0	0	0	0	0	0
UT3-30_1	9	0	0	4.53	4.47	0.84	50.6	0.496	0	0	0	0	0	0	0	0
UT9-22	9	0	0	5.75	3.25	0.49	39.56	0.361	0	0	0	0	0	0	0	0
UT9-88_3	9	0	0	6.05	2.95	0.47	44.6	0.328	0	0	0	0	0	0	0	0
UT4-35_3	9	0	0	4.06	4.94	1.09	71.75	0.549	0	0	0	0	0	0	0	0
UT3-31	9	0	0	4.4	4.6	1.08	89.03	0.511	0	0	0	0	0	0	0	0
UT6-150	9	0	0	6.07	2.93	0.29	27.05	0.325	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT6-34_1	9	0	0	5.18	3.82	0.67	59.91	0.424	0	0	0	0	0	0	0	0
UT4-40_1	9	0	0	3.93	5.07	1.12	69.62	0.563	0	0	0	0	0	0	0	0
UT8-102_1	9	0	0	5.78	3.22	1.2	104	0.358	0	0	0	0	0	0	0	0
UT6-27	9	0	0	6.28	2.72	0.55	57.85	0.302	0	0	0	0	0	0	0	0
UT6-2_Rev_1	9	0	0	6.07	2.93	0.54	50.44	0.325	0	0	0	0	0	0	0	0
UT6-26_1	9	0	0	5.03	3.97	0.44	32.66	0.441	0	0	0	0	0	0	0	0
UT6-34_2	9	0	0	6.31	2.69	0.21	20.37	0.299	0	0	0	0	0	0	0	0
UT6-143	9	0	0	6.28	2.72	0.23	22.13	0.302	0	0	0	0	0	0	0	0
UT6-110_1	9	0	0	6.17	2.83	0.39	42.66	0.315	0	0	0	0	0	0	0	0
UT3-20_2	9	0	0	4.17	4.82	0.57	37.47	0.536	0	0	0	0	0	0	0	0
UT4-32	9	0	0	3.88	5.11	0.6	36.2	0.568	0	0	0	0	0	0	0	0
UT6-33_1	9	0	0	5.84	3.17	0.47	47.97	0.352	0	0	0	0	0	0	0	0
UT8-94	9	0	0	5.45	3.55	0.55	53.65	0.394	0	0	0	0	0	0	0	0
UT8-98_1	9	0	0	5.9	3.1	0.28	25.57	0.344	0	0	0	0	0	0	0	0
UT4-42	9	0	0	4.15	4.85	0.36	23.85	0.538	0	0	0	0	0	0	0	0
UT3-13	9	0	0	4.77	4.23	0.64	45.66	0.47	0	0	0	0	0	0	0	0
UT3-39	9	0	0	3.78	5.22	0.37	24.44	0.58	0	0	0	0	0	0	0	0
UT3-180_1	9	0	0	4.98	4.01	0.44	29.85	0.446	0	0	0	0	0	0	0	0
UT3-162	9	0	0	4.55	4.44	0.72	54.75	0.494	0	0	0	0	0	0	0	0
UT6-2_Rev_2	9	0	0	6.59	2.41	0.17	18.52	0.268	0	0	0	0	0	0	0	0
UT4-38	9	0	0	4.38	4.62	1.21	68.87	0.513	0	0	0	0	0	0	0	0
UT6-33_2	9	0	0	5.49	3.51	0.45	42.97	0.39	0	0	0	0	0	0	0	0
UT6-34_3	9	0	0	5.01	3.98	0.6	41.47	0.443	0	0	0	0	0	0	0	0
UT6-135	9	0	0	5.39	3.61	0.25	24.11	0.401	0	0	0	0	0	0	0	0
UT8-98_2	9	0	0	5.74	3.26	0.44	31.57	0.362	0	0	0	0	0	0	0	0
UT3-5_Rev_1	9	0	0	3.71	5.28	0.4	27.09	0.587	0	0	0	0	0	0	0	0
UT6-184	9	0	0	6.09	2.91	0.94	100.15	0.324	0	0	0	0	0	0	0	0
UT6-26_2	9	0	0	5.15	3.85	0.4	34.16	0.428	0	0	0	0	0	0	0	0
UT4-107_1	9	0	0	4.17	4.83	0.82	65.59	0.537	0	0	0	0	0	0	0	0
UT9-86_3	9	0	0	5.89	3.11	0.5	27.05	0.346	0	0	0	0	0	0	0	0
UT4-35_4	9	0	0	3.96	5.03	0.51	35.69	0.559	0	0	0	0	0	0	0	0
UT6-37_1	9	0	0	5.75	3.25	0.96	86.5	0.361	0	0	0	0	0	0	0	0
UT4-107_2	9	0	0	4.34	4.67	0.87	69.49	0.518	0	0	0	0	0	0	0	0
UT3-5_Rev_2	9	0	0	4.43	4.57	0.73	46.38	0.508	0	0	0	0	0	0	0	0
UT3-49	9	0	0	4	4.99	0.43	29.85	0.555	0	0	0	0	0	0	0	0
UT6-37_2	9	0	0	5.62	3.38	0.36	29.67	0.376	0	0	0	0	0	0	0	0
UT3-47	9	0	0	3.54	5.45	1.05	67.3	0.606	0	0	0	0	0	0	0	0
UT6-43_1	9	0	0	5.78	3.22	0.28	28	0.357	0	0	0	0	0	0	0	0
UT6-8_Rev_1	9	0	0	5.11	3.88	0.61	36.51	0.432	0	0	0	0	0	0	0	0
UT6-45	9	0	0	5.73	3.27	0.33	28.2	0.364	0	0	0	0	0	0	0	0
UT6-43_2	9	0	0	5.44	3.56	0.26	22.97	0.396	0	0	0	0	0	0	0	0
UT6-175	9	0	0	6.08	2.92	0.24	26.99	0.325	0	0	0	0	0	0	0	0
UT6-183	9	0	0	5.22	3.78	0.55	53.12	0.42	0	0	0	0	0	0	0	0
UT6-149_Rev	9	0	0	5.26	3.74	0.39	38.22	0.416	0	0	0	0	0	0	0	0
UT6-8_Rev_2	9	0	0	5.52	3.48	0.47	31.69	0.386	0	0	0	0	0	0	0	0
UT4-36	9	0	0	4.85	4.15	1.16	70.99	0.461	0	0	0	0	0	0	0	0
UT6-134_1	9	0	0	5.7	3.3	0.35	34.26	0.367	0	0	0	0	0	0	0	0
UT6-43_3	9	0	0	5.74	3.26	0.42	43.62	0.362	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT6-73_1	9	0	0	5.42	3.58	0.28	22.91	0.398	0	0	0	0	0	0	0	0
UT6-56_1	9	0	0	5.68	3.31	0.45	31.29	0.368	0	0	0	0	0	0	0	0
UT6-2_Rev_3	9	0	0	4.74	4.25	0.57	50.15	0.472	0	0	0	0	0	0	0	0
UT6-1_Rev_1	9	0	0	5.82	3.17	0.3	22.36	0.352	0	0	0	0	0	0	0	0
UT8-102_2	9	0	0	5.34	3.66	0.81	62.09	0.407	0	0	0	0	0	0	0	0
UT4-41_1	9	0	0	3	5.98	0.67	39.98	0.665	0	0	0	0	0	0	0	0
UT6-73_2	9	0	0	5.33	3.67	0.9	84.3	0.408	0	0	0	0	0	0	0	0
UT8-102_3	9	0	0	5.17	3.83	0.58	53.79	0.426	0	0	0	0	0	0	0	0
UT6-7_Rev_1	9	0	0	5.86	3.14	0.47	53.08	0.349	0	0	0	0	0	0	0	0
UT3-5_Rev_3	9	0	0	4.32	4.68	0.48	38.13	0.52	0	0	0	0	0	0	0	0
UT6-6_Rev_1	9	0	0	5.9	3.09	0.32	26.53	0.344	0	0	0	0	0	0	0	0
UT6-1_Rev_2	9	0	0	5.67	3.32	0.34	29.05	0.369	0	0	0	0	0	0	0	0
UT6-7_Rev_2	9	0	0	5.14	3.85	0.74	45.91	0.428	0	0	0	0	0	0	0	0
UT6-56_2	9	0	0	4.87	4.12	0.89	61.77	0.458	0	0	0	0	0	0	0	0
UT3-30_2	9	0	0	3.71	5.29	0.54	31.93	0.588	0	0	0	0	0	0	0	0
UT6-1_Rev_3	9	0	0	5.86	3.14	0.3	33.29	0.349	0	0	0	0	0	0	0	0
UT6-1_Rev_4	9	0	0	5.08	3.92	0.38	36.2	0.435	0	0	0	0	0	0	0	0
UT6-7_Rev_3	9	0	0	5.97	3.03	0.41	32.89	0.336	0	0	0	0	0	0	0	0
UT4-41_2	9	0	0	3.75	5.24	0.8	54.85	0.583	0	0	0	0	0	0	0	0
UT4-40_2	9	0	0	3.89	5.11	0.47	35.13	0.568	0	0	0	0	0	0	0	0
UT6-134_2	9	0	0	5.3	3.69	0.5	41.35	0.41	0	0	0	0	0	0	0	0
UT4-125	9	0	0	4.41	4.59	0.53	45.05	0.51	0	0	0	0	0	0	0	0
UT6-37_3	9	0	0	4.94	4.06	0.34	26.72	0.451	0	0	0	0	0	0	0	0
UT3-176	9	0	0	4.24	4.76	0.41	28.86	0.529	0	0	0	0	0	0	0	0
UT3-180_2	9	0	0	3.71	5.29	0.86	61.56	0.587	0	0	0	0	0	0	0	0
UT4-59_1	9	0	0	3.74	5.25	0.47	29.83	0.583	0	0	0	0	0	0	0	0
UT3-57_1	9	0	0	4.21	4.79	0.53	42.86	0.532	0	0	0	0	0	0	0	0
UT4-59_2	9	0	0	3.27	5.72	0.89	57.01	0.635	0	0	0	0	0	0	0	0
UT6-110_2	9	0	0	5.11	3.89	0.37	28.51	0.432	0	0	0	0	0	0	0	0
UT3-57_2	9	0	0	4.01	4.99	0.42	29.96	0.554	0	0	0	0	0	0	0	0
UT4-113_1	9	0	0	3.74	5.25	0.39	27.93	0.584	0	0	0	0	0	0	0	0
UT4-55_1	9	0	0	4.55	4.45	0.63	46.45	0.494	0	0	0	0	0	0	0	0
UT8-102_4	9	0	0	5.34	3.66	0.26	22.83	0.406	0	0	0	0	0	0	0	0
UT4-169_1	9	0	0	4.84	4.15	0.4	33.97	0.461	0	0	0	0	0	0	0	0
UT6-52_1	9	0	0	6.22	2.79	0.42	48.55	0.309	0	0	0	0	0	0	0	0
UT6-58	9	0	0	4.76	4.24	0.76	56.47	0.471	0	0	0	0	0	0	0	0
UT4-181	9	0	0	3.79	5.2	1.52	104.76	0.578	0	0	0	0	0	0	0	0
UT4-55_2	9	0	0	3.77	5.23	0.45	31.65	0.581	0	0	0	0	0	0	0	0
UT6-8_Rev_3	9	0	0	4.57	4.43	0.55	32.76	0.492	0	0	0	0	0	0	0	0
UT4-113_2	9	0	0	4.01	4.99	0.69	51.96	0.555	0	0	0	0	0	0	0	0
UT4-123_1	9	0	0	3.15	5.84	0.73	44.2	0.649	0	0	0	0	0	0	0	0
UT4-169_2	9	0	0	4.24	4.75	0.58	44.65	0.528	0	0	0	0	0	0	0	0
UT8-102_5	9	0	0	4.87	4.12	0.48	39.44	0.458	0	0	0	0	0	0	0	0
UT3-51	9	0	0	3.04	5.95	0.24	16.57	0.661	0	0	0	0	0	0	0	0
UT3-57_3	9	0	0	3.69	5.3	0.51	37.61	0.589	0	0	0	0	0	0	0	0
UT6-52_2	9	0	0	4.67	4.32	0.37	27.1	0.48	0	0	0	0	0	0	0	0
UT6-52_3	9	0	0	5.41	3.59	0.27	25.87	0.399	0	0	0	0	0	0	0	0
UT3-54	9	0	0	3.14	5.85	0.28	18.23	0.65	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT4-123_2	9	0	0	4.06	4.94	0.32	23.17	0.549	0	0	0	0	0	0	0	0
UT4-169_3	9	0	0	5.4	3.6	0.6	55.03	0.4	0	0	0	0	0	0	0	0
UT6-69	9	0	0	5.42	3.58	0.9	84.59	0.398	0	0	0	0	0	0	0	0
UT3-61_1	9	0	0	3.36	5.63	0.52	36.05	0.626	0	0	0	0	0	0	0	0
UT6-8_Rev_4	9	0	0	5.52	3.49	0.42	39.92	0.387	0	0	0	0	0	0	0	0
UT4-116_1	9	0	0	4.11	4.88	0.82	62.41	0.543	0	0	0	0	0	0	0	0
UT6-64_1	9	0	0	6.11	2.89	0.74	80.77	0.321	0	0	0	0	0	0	0	0
UT3-62_1	9	0	0	3.96	5.04	1.2	86.42	0.56	0	0	0	0	0	0	0	0
UT3-62_2	9	0	0	3.83	5.16	0.73	46.15	0.574	0	0	0	0	0	0	0	0
UT4-67_1	9	0	0	3.88	5.11	0.29	18.92	0.568	0	0	0	0	0	0	0	0
UT4-123_3	9	0	0	3.76	5.24	0.47	34.17	0.582	0	0	0	0	0	0	0	0
UT4-59_3	9	0	0	3.99	5	0.91	68.27	0.556	0	0	0	0	0	0	0	0
UT6-76_1	9	0	0	5.92	3.08	0.62	48.87	0.343	0	0	0	0	0	0	0	0
UT4-67_2	9	0	0	4.16	4.84	0.39	30.09	0.538	0	0	0	0	0	0	0	0
UT4-116_2	9	0	0	4.58	4.41	0.51	39.69	0.49	0	0	0	0	0	0	0	0
UT6-74_1	9	0	0	5.41	3.58	0.85	61.84	0.398	0	0	0	0	0	0	0	0
UT3-61_2	9	0	0	3.72	5.27	1.37	100.23	0.586	0	0	0	0	0	0	0	0
UT6-6_Rev_2	9	0	0	5.7	3.3	0.4	35.66	0.366	0	0	0	0	0	0	0	0
UT6-74_2	9	0	0	5.39	3.61	0.85	65.14	0.401	0	0	0	0	0	0	0	0
UT6-77	9	0	0	5.03	3.97	0.65	53.89	0.441	0	0	0	0	0	0	0	0
UT4-66_1	9	0	0	3.91	5.08	0.67	39.58	0.565	0	0	0	0	0	0	0	0
UT6-64_2	9	0	0	5.81	3.19	0.78	81.51	0.355	0	0	0	0	0	0	0	0
UT3-80_1	9	0	0	3.8	5.18	0.7	46.93	0.576	0	0	0	0	0	0	0	0
UT6-6_Rev_3	9	0	0	6.1	2.9	0.84	94.99	0.322	0	0	0	0	0	0	0	0
UT4-168	9	0	0	4.54	4.46	0.56	42.81	0.495	0	0	0	0	0	0	0	0
UT4-137	9	0	0	5.07	3.93	0.55	45.53	0.436	0	0	0	0	0	0	0	0
UT3-119	9	0	0	3.74	5.26	0.84	63.25	0.584	0	0	0	0	0	0	0	0
UT3-80_2	9	0	0	3.65	5.35	0.86	63.67	0.594	0	0	0	0	0	0	0	0
UT6-76_2	9	0	0	5.67	3.34	0.57	54.15	0.371	0	0	0	0	0	0	0	0
UT6-76_3	9	0	0	5.48	3.53	0.21	17.52	0.392	0	0	0	0	0	0	0	0
UT4-116_3	9	0	0	3.51	5.49	0.25	17.94	0.61	0	0	0	0	0	0	0	0
UT7-85_1	9	0	0	5.62	3.38	0.47	39.41	0.376	0	0	0	0	0	0	0	0
UT7-85_2	9	0	0	5.41	3.59	0.49	37.35	0.399	0	0	0	0	0	0	0	0
UT7-85_3	9	0	0	5.41	3.59	0.43	32.79	0.398	0	0	0	0	0	0	0	0
UT6-106	9	0	0	6.16	2.84	0.22	27.32	0.316	0	0	0	0	0	0	0	0
UT4-66_2	9	0	0	4.84	4.16	0.5	33.31	0.462	0	0	0	0	0	0	0	0
UT6-73_3	9	0	0	5.58	3.42	0.23	22.15	0.38	0	0	0	0	0	0	0	0
UT4-105_1	9	0	0	3.64	5.36	0.75	52.94	0.595	0	0	0	0	0	0	0	0
UT4-79	9	0	0	5.56	3.44	0.68	71.51	0.382	0	0	0	0	0	0	0	0
UT4-68	9	0	0	3.72	5.27	0.73	40.99	0.586	0	0	0	0	0	0	0	0
UT6-185	9	0	0	6.2	2.8	0.52	50.97	0.311	0	0	0	0	0	0	0	0
UT3-80_3	9	0	0	3.4	5.59	0.39	26.08	0.621	0	0	0	0	0	0	0	0
UT6-63	9	0	0	6.34	2.66	1.05	94.49	0.296	0	0	0	0	0	0	0	0
UT4-75	9	0	0	4.53	4.46	0.57	42.2	0.496	0	0	0	0	0	0	0	0
UT6-104_1	9	0	0	4.75	4.24	1.07	84.21	0.471	0	0	0	0	0	0	0	0
UT3-80_4	9	0	0	4.07	4.92	0.54	40.84	0.546	0	0	0	0	0	0	0	0
UT3-71	9	0	0	4.07	4.93	0.52	31.91	0.548	0	0	0	0	0	0	0	0
UT6-104_2	9	0	0	5.21	3.79	0.33	34.16	0.421	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT4-82_1	9	0	0	4.87	4.13	1.24	98.47	0.459	0	0	0	0	0	0	0	0
UT7-89_1	9	0	0	5.73	3.27	0.28	25.18	0.363	0	0	0	0	0	0	0	0
UT7-103_1	9	0	0	5.55	3.45	0.41	31.15	0.383	0	0	0	0	0	0	0	0
UT6-8_Rev_5	9	0	0	5.52	3.48	0.17	17.61	0.387	0	0	0	0	0	0	0	0
UT7-89_2	9	0	0	5.53	3.47	0.36	35.34	0.386	0	0	0	0	0	0	0	0
UT6-90_1	9	0	0	4.93	4.07	0.57	49.2	0.452	0	0	0	0	0	0	0	0
UT4-83	9	0	0	3.48	5.51	0.45	32.02	0.612	0	0	0	0	0	0	0	0
UT6-8_Rev_6	9	0	0	5.12	3.88	0.23	19.21	0.431	0	0	0	0	0	0	0	0
UT4-84_1	9	0	0	5.17	3.83	0.72	71.7	0.426	0	0	0	0	0	0	0	0
UT4-105_2	9	0	0	4.17	4.83	0.34	26.48	0.536	0	0	0	0	0	0	0	0
UT6-81_1	9	0	0	4.87	4.13	0.44	37.95	0.458	0	0	0	0	0	0	0	0
UT6-81_2	9	0	0	4.18	4.81	0.54	39.97	0.535	0	0	0	0	0	0	0	0
UT6-128_1	9	0	0	5.96	3.04	0.61	65.01	0.337	0	0	0	0	0	0	0	0
UT4-84_2	9	0	0	4.55	4.45	0.54	43.76	0.494	0	0	0	0	0	0	0	0
UT6-78_Rev_1	9	0	0	5.26	3.74	0.7	64.6	0.415	0	0	0	0	0	0	0	0
UT7-89_3	9	0	0	5.6	3.4	0.44	30.65	0.378	0	0	0	0	0	0	0	0
UT6-90_2	9	0	0	5.66	3.34	0.27	30.2	0.371	0	0	0	0	0	0	0	0
UT6-132	9	0	0	4.6	4.4	0.28	21.48	0.489	0	0	0	0	0	0	0	0
UT4-167	9	0	0	4.85	4.15	0.7	50.9	0.461	0	0	0	0	0	0	0	0
UT6-78_Rev_2	9	0	0	4.8	4.19	0.52	38.45	0.466	0	0	0	0	0	0	0	0
UT6-78_Rev_3	9	0	0	4.88	4.12	0.35	29.79	0.458	0	0	0	0	0	0	0	0
UT4-120	9	0	0	3.34	5.65	0.26	17.45	0.627	0	0	0	0	0	0	0	0
UT6-122	9	0	0	5.89	3.11	1.12	93.33	0.345	0	0	0	0	0	0	0	0
UT4-58	9	0	0	4.18	4.82	0.35	25.5	0.536	0	0	0	0	0	0	0	0
UT4-86_1	9	0	0	3.84	5.15	0.84	56.54	0.573	0	0	0	0	0	0	0	0
UT6-90_3	9	0	0	5.45	3.55	0.18	15.7	0.395	0	0	0	0	0	0	0	0
UT7-117	9	0	0	6.07	2.92	1.6	93.88	0.325	0	0	0	0	0	0	0	0
UT4-82_2	9	0	0	4.92	4.07	0.39	31.28	0.453	0	0	0	0	0	0	0	0
UT6-92_1	9	0	0	5.32	3.68	0.32	27.65	0.409	0	0	0	0	0	0	0	0
UT4-86_2	9	0	0	4.57	4.43	0.23	18.64	0.492	0	0	0	0	0	0	0	0
UT4-88_1	9	0	0	5.16	3.84	1.3	101.97	0.427	0	0	0	0	0	0	0	0
UT7-103_2	9	0	0	6.05	2.95	0.93	77.67	0.328	0	0	0	0	0	0	0	0
UT6-128_2	9	0	0	6.02	2.98	0.22	24.99	0.331	0	0	0	0	0	0	0	0
UT4-84_3	9	0	0	4.3	4.69	0.56	44.82	0.521	0	0	0	0	0	0	0	0
UT4-88_2	9	0	0	3.66	5.33	0.11	8.24	0.593	0	0	0	0	0	0	0	0
UT4-87	9	0	0	4.76	4.23	0.54	38.23	0.471	0	0	0	0	0	0	0	0
UT6-92_2	9	0	0	5.29	3.72	0.46	41.65	0.413	0	0	0	0	0	0	0	0
UT4-91_1	9	0	0	4.47	4.53	0.52	33.01	0.503	0	0	0	0	0	0	0	0
UT4-91_2	9	0	0	4.29	4.7	0.54	43.06	0.523	0	0	0	0	0	0	0	0
UT4-91_3	9	0	0	4.29	4.7	0.58	48.84	0.522	0	0	0	0	0	0	0	0
UT4-95_1	9	0	0	5.33	3.67	0.35	32.93	0.408	0	0	0	0	0	0	0	0
UT6-93_1	9	0	0	5.62	3.38	0.76	56.99	0.376	0	0	0	0	0	0	0	0
UT6-93_2	9	0	0	5.48	3.52	0.43	40.29	0.391	0	0	0	0	0	0	0	0
UT6-3	9	0	0	5.19	3.81	0.36	27.37	0.424	0	0	0	0	0	0	0	0
UT6-96	9	0	0	4.99	4.01	0.27	17.39	0.445	0	0	0	0	0	0	0	0
UT6-127_1	9	0	0	5.18	3.82	0.34	25.47	0.425	0	0	0	0	0	0	0	0
UT6-127_2	9	0	0	6.04	2.96	0.25	27.13	0.329	0	0	0	0	0	0	0	0
UT6-97	9	0	0	5.87	3.13	0.31	24	0.348	0	0	0	0	0	0	0	0

Subcatchment SWMM 50-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT5-99_1	9	0	0	5.37	3.63	0.75	57.69	0.404	0	0	0	0	0	0	0	0
UT4-100_1	9	0	0	5.29	3.71	0.85	74.83	0.412	0	0	0	0	0	0	0	0
UT4-95_2	9	0	0	5.12	3.87	0.52	38.79	0.431	0	0	0	0	0	0	0	0
UT4-100_2	9	0	0	4.9	4.1	0.66	52.38	0.455	0	0	0	0	0	0	0	0
UT5-99_2	9	0	0	4.33	4.67	0.44	27.57	0.519	0	0	0	0	0	0	0	0
CC-MAS1359	9	0	0	4.53	4.47	0.23	15.46	0.497	0	0	0	0	0	0	0	0
CC-MASJ127	9	0	0	4.37	4.63	0.46	32.89	0.514	0	0	0	0	0	0	0	0
CC-J810	9	0	0	3.86	5.13	0.82	53.98	0.57	0	0	0	0	0	0	0	0
CC-J97	9	0	0	3.64	5.35	0.25	15.16	0.595	0	0	0	0	0	0	0	0
UT-_1	9	0	0	7.09	1.91	11.63	718.79	0.213	0	0	0	0	0	0	0	0
UT-_2	9	0	0	6.79	2.22	1.95	267.48	0.246	0	0	0	0	0	0	0	0
UT-816_2	9	0	0	8.06	0.94	22.02	890.46	0.105	0	0	0	0	0	0	0	0
BC-1385_2	9	0	0	4.4	4.6	0.68	36.33	0.511	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT6-124	10	0	0	6.74	3.26	0.67	59.22	0.326	0	0	0	0	0	0	0	0
PO-763_1	10	0	0	6.89	3.11	28.93	700.79	0.311	0	0	0	0	0	0	0	0
UT-2861	10	0	0	5.68	4.32	15.13	456.81	0.432	0	0	0	0	0	0	0	0
CC-MASJ1365_1	10	0	0	4.22	5.78	0.26	18.46	0.578	0	0	0	0	0	0	0	0
UT-805_1	10	0	0	4.61	5.34	0.8	34.66	0.534	0	0	0	0	0	0	0	0
CC-J779_1	10	0	0	4.41	5.56	2.35	114.38	0.556	0	0	0	0	0	0	0	0
PO-725	10	0	0	4.4	5.6	0.86	67.15	0.56	0	0	0	0	0	0	0	0
CC-J801	10	0	0	4.53	5.47	0.94	60	0.547	0	0	0	0	0	0	0	0
CC-J867_1	10	0	0	4.15	5.84	0.8	48.54	0.584	0	0	0	0	0	0	0	0
PO-839	10	0	0	4.52	5.47	1.78	101.16	0.547	0	0	0	0	0	0	0	0
UT-844_1	10	0	0	4.67	5.33	0.4	23.27	0.533	0	0	0	0	0	0	0	0
PO-763_2	10	0	0	4.26	5.72	1.14	62.36	0.572	0	0	0	0	0	0	0	0
CC-J867_2	10	0	0	4.65	5.35	0.7	49.43	0.535	0	0	0	0	0	0	0	0
UT-2820_1	10	0	0	4.58	5.38	0.7	31.79	0.538	0	0	0	0	0	0	0	0
UT-844_2	10	0	0	4.92	5.08	0.56	28.9	0.508	0	0	0	0	0	0	0	0
PO-835	10	0	0	4.14	5.86	1.23	82.09	0.586	0	0	0	0	0	0	0	0
PO-837	10	0	0	3.85	6.14	0.45	31.98	0.614	0	0	0	0	0	0	0	0
UT-805_2	10	0	0	4.83	5.15	0.46	20.48	0.515	0	0	0	0	0	0	0	0
CC-J779_2	10	0	0	4.38	5.62	0.81	55.83	0.562	0	0	0	0	0	0	0	0
UT-844_3	10	0	0	4.55	5.44	1.03	59.66	0.544	0	0	0	0	0	0	0	0
PO-44_1	10	0	0	4.44	5.56	0.43	30.07	0.556	0	0	0	0	0	0	0	0
UT-816_1	10	0	0	5.08	4.92	0.76	44.55	0.492	0	0	0	0	0	0	0	0
CC-J908_1	10	0	0	4.47	5.52	1.93	93.82	0.552	0	0	0	0	0	0	0	0
PO-830_1	10	0	0	3.81	6.19	0.58	39.02	0.619	0	0	0	0	0	0	0	0
PO-830_2	10	0	0	4.26	5.74	1.13	69.29	0.574	0	0	0	0	0	0	0	0
PO-856	10	0	0	4.24	5.74	1.22	60.02	0.574	0	0	0	0	0	0	0	0
UT-988_1	10	0	0	7.18	2.82	4.03	235.65	0.282	0	0	0	0	0	0	0	0
UT-877	10	0	0	6.2	3.8	1.74	135.67	0.38	0	0	0	0	0	0	0	0
UT-860	10	0	0	6.25	3.75	0.74	47.85	0.375	0	0	0	0	0	0	0	0
PO-44_2	10	0	0	4.32	5.68	0.64	38.7	0.568	0	0	0	0	0	0	0	0
UT-832	10	0	0	5.47	4.53	0.53	36.54	0.453	0	0	0	0	0	0	0	0
CC-J75	10	0	0	4.25	5.74	0.17	11.43	0.574	0	0	0	0	0	0	0	0
CC-MASJ888	10	0	0	4.14	5.85	0.28	18.17	0.585	0	0	0	0	0	0	0	0
CC-J69	10	0	0	4.26	5.7	0.91	42.81	0.57	0	0	0	0	0	0	0	0
PO-35_1	10	0	0	4.45	5.55	0.39	26.58	0.555	0	0	0	0	0	0	0	0
CC-J81	10	0	0	6.41	3.59	1.3	82.99	0.359	0	0	0	0	0	0	0	0
CC-MASJ122	10	0	0	6	4	0.7	43.69	0.4	0	0	0	0	0	0	0	0
CC-J935	10	0	0	6.92	3.08	12.06	406.79	0.308	0	0	0	0	0	0	0	0
CC-J1012	10	0	0	5.65	4.35	0.69	48.05	0.435	0	0	0	0	0	0	0	0
CC-J875_1	10	0	0	4.4	5.6	0.54	35.25	0.56	0	0	0	0	0	0	0	0
UT-2820_2	10	0	0	4.46	5.52	0.48	25.75	0.552	0	0	0	0	0	0	0	0
PO-37	10	0	0	3.82	6.17	1.36	88.22	0.617	0	0	0	0	0	0	0	0
CC-J879_1	10	0	0	4.4	5.58	0.97	56.28	0.558	0	0	0	0	0	0	0	0
CC-J882	10	0	0	4.82	5.18	0.64	40.12	0.518	0	0	0	0	0	0	0	0
CC-J875_2	10	0	0	4.31	5.69	0.3	21.29	0.569	0	0	0	0	0	0	0	0
UT-848	10	0	0	5.01	4.99	0.8	52.14	0.499	0	0	0	0	0	0	0	0
UT-873	10	0	0	7.33	2.67	0.8	70.85	0.267	0	0	0	0	0	0	0	0
PO-35_2	10	0	0	4.25	5.73	1.21	66.46	0.573	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

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UT-16042417_1	10	0	0	6.57	3.43	0.98	44.51	0.343	0	0	0	0	0	0	0	0
PO-3007	10	0	0	4.42	5.59	0.46	33.61	0.559	0	0	0	0	0	0	0	0
CC-MASJ130	10	0	0	4.08	5.92	0.66	39.25	0.592	0	0	0	0	0	0	0	0
UT-2857_1	10	0	0	4.91	5.09	0.64	40.56	0.509	0	0	0	0	0	0	0	0
CC-J879_2	10	0	0	4.64	5.36	0.44	30.37	0.536	0	0	0	0	0	0	0	0
CC-J879_3	10	0	0	4.89	5.11	0.79	53.2	0.511	0	0	0	0	0	0	0	0
CC-J879_4	10	0	0	4.47	5.53	0.57	37	0.553	0	0	0	0	0	0	0	0
UT-15042417	10	0	0	4.33	5.67	0.38	25.64	0.567	0	0	0	0	0	0	0	0
UT-2857_2	10	0	0	4.08	5.9	1.12	53.96	0.59	0	0	0	0	0	0	0	0
UT-2748	10	0	0	6.43	3.57	0.13	11.86	0.357	0	0	0	0	0	0	0	0
PO-870	10	0	0	4.48	5.51	1	59.94	0.551	0	0	0	0	0	0	0	0
UT-921_1	10	0	0	4.89	5.1	0.84	50.28	0.51	0	0	0	0	0	0	0	0
PO-3044	10	0	0	4.26	5.74	0.46	32.42	0.574	0	0	0	0	0	0	0	0
CC-MASJ133	10	0	0	4.52	5.48	0.19	13.14	0.548	0	0	0	0	0	0	0	0
PO-925_1	10	0	0	4.22	5.78	0.58	39.32	0.578	0	0	0	0	0	0	0	0
CC-MASJ135	10	0	0	4.73	5.27	0.21	16.77	0.527	0	0	0	0	0	0	0	0
CC-MASJ126	10	0	0	4.35	5.65	0.37	24.63	0.565	0	0	0	0	0	0	0	0
CC-MASJ129	10	0	0	5.05	4.94	0.33	23.7	0.494	0	0	0	0	0	0	0	0
PO-900	10	0	0	3.7	6.29	0.76	42.21	0.629	0	0	0	0	0	0	0	0
CC-MASJ117	10	0	0	4.42	5.58	0.29	19.94	0.558	0	0	0	0	0	0	0	0
CC-J40	10	0	0	3.81	6.18	0.27	17.33	0.618	0	0	0	0	0	0	0	0
UT-137	10	0	0	4.56	5.44	0.85	46.07	0.544	0	0	0	0	0	0	0	0
UT-896	10	0	0	4.11	5.87	0.55	29.22	0.587	0	0	0	0	0	0	0	0
UT-910	10	0	0	5.88	4.11	0.87	61.67	0.411	0	0	0	0	0	0	0	0
PO-925_2	10	0	0	3.92	6.07	0.42	26.89	0.607	0	0	0	0	0	0	0	0
PO-2886_1	10	0	0	4.36	5.64	0.46	34.83	0.564	0	0	0	0	0	0	0	0
PO-2842	10	0	0	6.38	3.62	0.4	39.75	0.362	0	0	0	0	0	0	0	0
UT-971_1	10	0	0	4.27	5.69	0.95	45.64	0.569	0	0	0	0	0	0	0	0
UT-927	10	0	0	4.87	5.12	0.67	38.73	0.512	0	0	0	0	0	0	0	0
PO-946	10	0	0	5.98	4.02	0.85	65.8	0.402	0	0	0	0	0	0	0	0
UT-2724	10	0	0	4.47	5.53	1.17	68.98	0.553	0	0	0	0	0	0	0	0
PO-964_1	10	0	0	3.62	6.37	0.79	52.67	0.637	0	0	0	0	0	0	0	0
UT-968_1	10	0	0	4.82	5.18	0.86	52.13	0.518	0	0	0	0	0	0	0	0
UT-996	10	0	0	4.66	5.34	1.24	62.55	0.534	0	0	0	0	0	0	0	0
UT-971_2	10	0	0	4.69	5.31	0.68	33.51	0.531	0	0	0	0	0	0	0	0
PO-931	10	0	0	3.99	6	0.49	31.9	0.6	0	0	0	0	0	0	0	0
PO-950_1	10	0	0	4.43	5.58	0.59	42.84	0.558	0	0	0	0	0	0	0	0
UT-937	10	0	0	4.32	5.65	0.77	37.7	0.565	0	0	0	0	0	0	0	0
UT-921_2	10	0	0	4.71	5.29	0.49	31.14	0.529	0	0	0	0	0	0	0	0
UT-980	10	0	0	4.77	5.23	0.8	42.1	0.523	0	0	0	0	0	0	0	0
PO-975_1	10	0	0	5.94	4.06	1.3	69.48	0.406	0	0	0	0	0	0	0	0
CC-J955	10	0	0	5.28	4.72	0.66	42.8	0.472	0	0	0	0	0	0	0	0
UT-1023_1	10	0	0	3.89	6.08	0.91	46.58	0.608	0	0	0	0	0	0	0	0
UT-968_2	10	0	0	4.5	5.5	0.42	25.33	0.55	0	0	0	0	0	0	0	0
CC-J879_5	10	0	0	4.66	5.33	0.7	44.02	0.533	0	0	0	0	0	0	0	0
PO-950_2	10	0	0	4.43	5.57	0.8	56.07	0.557	0	0	0	0	0	0	0	0
UT-1023_2	10	0	0	4.19	5.78	0.92	45.65	0.578	0	0	0	0	0	0	0	0
CC-J908_2	10	0	0	4.51	5.49	0.74	50.77	0.549	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-40042417	10	0	0	5.03	4.97	5.67	211.07	0.497	0	0	0	0	0	0	0	0
UT-973_1	10	0	0	4.53	5.45	0.72	39.32	0.545	0	0	0	0	0	0	0	0
UT-973_2	10	0	0	4.68	5.32	0.49	27.55	0.532	0	0	0	0	0	0	0	0
PO-2886_2	10	0	0	4.32	5.68	1.28	83.03	0.568	0	0	0	0	0	0	0	0
PO-964_2	10	0	0	4.15	5.85	1.2	76.49	0.585	0	0	0	0	0	0	0	0
UT-959	10	0	0	4.64	5.34	1.04	53.74	0.534	0	0	0	0	0	0	0	0
UT-1023_3	10	0	0	4.44	5.54	1.04	58.41	0.554	0	0	0	0	0	0	0	0
PO-2989_1	10	0	0	6.61	3.39	0.52	58.81	0.339	0	0	0	0	0	0	0	0
CC-MASJ1021_1	10	0	0	4.44	5.57	0.35	21.8	0.557	0	0	0	0	0	0	0	0
PO-964_3	10	0	0	4.1	5.89	0.88	51.58	0.589	0	0	0	0	0	0	0	0
UT-2739	10	0	0	4.56	5.41	1.1	55.93	0.541	0	0	0	0	0	0	0	0
CC-J101	10	0	0	3.68	6.3	0.55	30.25	0.63	0	0	0	0	0	0	0	0
CC-J1043_1	10	0	0	4.39	5.59	2.13	115.1	0.559	0	0	0	0	0	0	0	0
CC-J110	10	0	0	4.36	5.64	0.4	28.96	0.564	0	0	0	0	0	0	0	0
UT-1004	10	0	0	4.5	5.5	1.32	78.88	0.55	0	0	0	0	0	0	0	0
PO-978	10	0	0	4.4	5.6	0.47	35.76	0.56	0	0	0	0	0	0	0	0
UT-1069	10	0	0	4.4	5.55	0.74	32.04	0.555	0	0	0	0	0	0	0	0
CC-J986	10	0	0	4.25	5.75	0.74	46.02	0.575	0	0	0	0	0	0	0	0
UT-1045_1	10	0	0	4.48	5.51	0.55	33.41	0.551	0	0	0	0	0	0	0	0
CC-MASJ1141	10	0	0	4.85	5.15	1.33	78.21	0.515	0	0	0	0	0	0	0	0
CC-MASJ1021_2	10	0	0	4.69	5.31	0.84	44.63	0.531	0	0	0	0	0	0	0	0
UT-988_2	10	0	0	4.44	5.56	0.51	35.37	0.556	0	0	0	0	0	0	0	0
CC-CibIntoCity	10	0	0	6.14	3.86	0.53	45.43	0.386	0	0	0	0	0	0	0	0
PO-1049_1	10	0	0	5.19	4.81	0.62	41.13	0.481	0	0	0	0	0	0	0	0
PO-975_2	10	0	0	7.45	2.55	0.16	15.33	0.255	0	0	0	0	0	0	0	0
CC-J1027_1	10	0	0	4.04	5.94	0.91	48.18	0.594	0	0	0	0	0	0	0	0
UT-1053_1	10	0	0	3.78	6.2	0.3	17.03	0.62	0	0	0	0	0	0	0	0
UT-2882_1	10	0	0	4.5	5.5	0.45	26.58	0.55	0	0	0	0	0	0	0	0
UT-1042417	10	0	0	4.52	5.45	1.6	79.93	0.545	0	0	0	0	0	0	0	0
CC-J1043_2	10	0	0	4.47	5.52	0.79	49.53	0.552	0	0	0	0	0	0	0	0
PO-2899_1	10	0	0	7.32	2.68	0.2	18.77	0.268	0	0	0	0	0	0	0	0
UT-2982_1	10	0	0	4.42	5.58	0.65	47.44	0.558	0	0	0	0	0	0	0	0
CC-J2913_1	10	0	0	6.74	3.26	0.4	48.99	0.326	0	0	0	0	0	0	0	0
UT-2751_1	10	0	0	4.38	5.61	0.68	35.21	0.561	0	0	0	0	0	0	0	0
PO-2989_2	10	0	0	4.39	5.61	0.26	20.44	0.561	0	0	0	0	0	0	0	0
UT-1053_2	10	0	0	4.2	5.79	0.64	36.33	0.579	0	0	0	0	0	0	0	0
PO-2793	10	0	0	6.65	3.35	0.44	50.53	0.335	0	0	0	0	0	0	0	0
CC-J994	10	0	0	4.13	5.87	1.01	52.02	0.587	0	0	0	0	0	0	0	0
CC-J1027_2	10	0	0	4.1	5.89	1.3	73.59	0.589	0	0	0	0	0	0	0	0
PO-975_3	10	0	0	6.51	3.5	0.28	28.92	0.35	0	0	0	0	0	0	0	0
UT-1047	10	0	0	4.81	5.19	0.42	31.78	0.519	0	0	0	0	0	0	0	0
UT-1037	10	0	0	5.87	4.13	2.03	87.18	0.413	0	0	0	0	0	0	0	0
UT-2812	10	0	0	4.47	5.51	0.33	17.96	0.551	0	0	0	0	0	0	0	0
UT-1033	10	0	0	4.32	5.66	1.04	55.3	0.566	0	0	0	0	0	0	0	0
UT-2966_1	10	0	0	5.11	4.89	0.59	26.55	0.489	0	0	0	0	0	0	0	0
PO-2899_2	10	0	0	6.43	3.57	0.3	24.8	0.357	0	0	0	0	0	0	0	0
PO-1049_2	10	0	0	3.91	6.09	1.22	78.65	0.609	0	0	0	0	0	0	0	0
CC-J2913_2	10	0	0	4.59	5.41	0.54	41.34	0.541	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-16042417_2	10	0	0	4.33	5.66	0.46	29.98	0.566	0	0	0	0	0	0	0	0
CC-J143	10	0	0	3.89	6.1	0.87	48.63	0.61	0	0	0	0	0	0	0	0
PO-1031	10	0	0	4.12	5.88	0.72	51.3	0.588	0	0	0	0	0	0	0	0
CC-J1085	10	0	0	4.47	5.51	0.7	39.64	0.551	0	0	0	0	0	0	0	0
PO-1049_3	10	0	0	4.03	5.97	0.54	39.84	0.597	0	0	0	0	0	0	0	0
UT-1000	10	0	0	4.5	5.49	0.66	38.56	0.549	0	0	0	0	0	0	0	0
CC-J1093	10	0	0	4.21	5.77	1.13	62.25	0.577	0	0	0	0	0	0	0	0
UT-2982_2	10	0	0	4.82	5.18	0.27	21.37	0.518	0	0	0	0	0	0	0	0
UT-1102_1	10	0	0	4.5	5.49	0.73	43.45	0.549	0	0	0	0	0	0	0	0
PO-1110_1	10	0	0	6.81	3.19	0.45	42.59	0.319	0	0	0	0	0	0	0	0
CC-J85	10	0	0	4.96	5.04	0.94	75.37	0.504	0	0	0	0	0	0	0	0
CC-J1043_3	10	0	0	4.44	5.57	0.63	44.23	0.557	0	0	0	0	0	0	0	0
CC-J1083	10	0	0	4.21	5.78	0.92	57.82	0.578	0	0	0	0	0	0	0	0
UT-1117	10	0	0	4.8	5.2	0.74	51.81	0.52	0	0	0	0	0	0	0	0
UT-1045_2	10	0	0	4.45	5.55	0.55	37.29	0.555	0	0	0	0	0	0	0	0
PO-1049_4	10	0	0	4.31	5.69	0.55	38.39	0.569	0	0	0	0	0	0	0	0
CC-J2913_3	10	0	0	6.14	3.86	0.26	26.79	0.386	0	0	0	0	0	0	0	0
CC-J2936	10	0	0	4.37	5.63	0.44	34.86	0.563	0	0	0	0	0	0	0	0
UT-1100	10	0	0	4.6	5.36	0.51	23.24	0.536	0	0	0	0	0	0	0	0
UT-1095	10	0	0	4.51	5.49	0.76	44.52	0.549	0	0	0	0	0	0	0	0
UT-1133	10	0	0	4.27	5.73	0.31	18.31	0.573	0	0	0	0	0	0	0	0
UT-1149	10	0	0	4.54	5.43	0.56	29.71	0.543	0	0	0	0	0	0	0	0
CC-J1138_1	10	0	0	4.37	5.63	0.71	54.72	0.563	0	0	0	0	0	0	0	0
CC-J1190_1	10	0	0	4.08	5.91	0.83	49.97	0.591	0	0	0	0	0	0	0	0
UT-1102_2	10	0	0	4.76	5.24	0.76	41.58	0.524	0	0	0	0	0	0	0	0
CC-J2	10	0	0	5.96	4.04	1.2	104.77	0.404	0	0	0	0	0	0	0	0
PO-2899_3	10	0	0	6.94	3.06	0.13	16.87	0.306	0	0	0	0	0	0	0	0
UT-2882_2	10	0	0	4.81	5.19	0.66	49.15	0.519	0	0	0	0	0	0	0	0
PO-1192_1	10	0	0	4.18	5.82	0.86	61.6	0.582	0	0	0	0	0	0	0	0
PO-1121	10	0	0	4.38	5.62	0.98	61.68	0.562	0	0	0	0	0	0	0	0
PO-1110_2	10	0	0	4.9	5.1	0.92	71.02	0.51	0	0	0	0	0	0	0	0
CC-J113_1	10	0	0	3.99	6.01	0.9	57.24	0.601	0	0	0	0	0	0	0	0
PO-1192_2	10	0	0	4.8	5.2	0.76	41.49	0.52	0	0	0	0	0	0	0	0
PO-1110_3	10	0	0	6.2	3.8	1.17	80	0.38	0	0	0	0	0	0	0	0
PO-1192_3	10	0	0	4.56	5.44	0.88	54.99	0.544	0	0	0	0	0	0	0	0
CC-J1143	10	0	0	4.42	5.58	0.9	66.15	0.558	0	0	0	0	0	0	0	0
CC-J1163_1	10	0	0	4.22	5.77	0.91	51.07	0.577	0	0	0	0	0	0	0	0
UT-2954_1	10	0	0	4.45	5.55	1.16	78.05	0.555	0	0	0	0	0	0	0	0
UT-8042417	10	0	0	4.13	5.82	1.29	56.86	0.582	0	0	0	0	0	0	0	0
PO-1110_4	10	0	0	7.05	2.95	0.28	34.89	0.295	0	0	0	0	0	0	0	0
CC-J1151	10	0	0	3.68	6.31	0.62	39.62	0.631	0	0	0	0	0	0	0	0
UT-1197	10	0	0	4.52	5.46	1.29	71.55	0.546	0	0	0	0	0	0	0	0
UT-2751_2	10	0	0	3.82	6.17	0.68	45.09	0.617	0	0	0	0	0	0	0	0
UT-2954_2	10	0	0	4.75	5.25	0.28	22.3	0.525	0	0	0	0	0	0	0	0
UT-1185	10	0	0	4.59	5.41	0.75	53.19	0.541	0	0	0	0	0	0	0	0
PO-1104_1	10	0	0	5.98	4.02	0.44	44.75	0.402	0	0	0	0	0	0	0	0
CC-J141	10	0	0	3.98	6.02	0.53	34.7	0.602	0	0	0	0	0	0	0	0
CC-J113_2	10	0	0	4.27	5.73	0.45	30.18	0.573	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2798	10	0	0	4.37	5.63	0.86	63.43	0.563	0	0	0	0	0	0	0	0
UT-3042417_1	10	0	0	4.59	5.41	0.61	35.08	0.541	0	0	0	0	0	0	0	0
CC-J1168	10	0	0	5.49	4.5	0.89	31.6	0.45	0	0	0	0	0	0	0	0
BC-1203_1	10	0	0	4.48	5.52	0.95	58.58	0.552	0	0	0	0	0	0	0	0
UT-6042417_1	10	0	0	4.53	5.45	1.26	65.64	0.545	0	0	0	0	0	0	0	0
PO-1153	10	0	0	7.42	2.58	0.64	55.33	0.258	0	0	0	0	0	0	0	0
UT-1178_1	10	0	0	4.4	5.6	0.16	12.53	0.56	0	0	0	0	0	0	0	0
UT-1178_2	10	0	0	4.49	5.51	0.42	29.68	0.551	0	0	0	0	0	0	0	0
CC-J1138_2	10	0	0	5.72	4.28	0.85	63.71	0.428	0	0	0	0	0	0	0	0
UT-1155	10	0	0	4.45	5.55	0.36	24.86	0.555	0	0	0	0	0	0	0	0
CC-J1157_1	10	0	0	4.52	5.46	0.41	23.07	0.546	0	0	0	0	0	0	0	0
UT-1161	10	0	0	4.44	5.56	0.31	16.94	0.556	0	0	0	0	0	0	0	0
UT-1178_3	10	0	0	4.5	5.49	0.68	39.69	0.549	0	0	0	0	0	0	0	0
CC-J1163_2	10	0	0	3.9	6.09	0.93	66.46	0.609	0	0	0	0	0	0	0	0
UT-4042417_1	10	0	0	3.99	5.99	0.54	29.35	0.599	0	0	0	0	0	0	0	0
UT-1227_1	10	0	0	5.69	4.31	0.45	29.82	0.431	0	0	0	0	0	0	0	0
UT-1240_1	10	0	0	4.7	5.3	1.23	76.93	0.53	0	0	0	0	0	0	0	0
UT-4042417_2	10	0	0	4.22	5.75	1.1	52.41	0.575	0	0	0	0	0	0	0	0
UT-1240_2	10	0	0	4.83	5.17	0.63	31.77	0.517	0	0	0	0	0	0	0	0
CC-J1190_2	10	0	0	4.8	5.21	1.03	68.08	0.521	0	0	0	0	0	0	0	0
PO-1192_4	10	0	0	3.89	6.1	0.45	27.75	0.61	0	0	0	0	0	0	0	0
CC-J1182	10	0	0	4.48	5.51	0.55	31.59	0.551	0	0	0	0	0	0	0	0
PO-23	10	0	0	3.79	6.2	0.75	48.73	0.62	0	0	0	0	0	0	0	0
BC-1245_1	10	0	0	4.41	5.58	1.18	65.5	0.558	0	0	0	0	0	0	0	0
CC-J115	10	0	0	3.97	6.02	0.69	38.84	0.602	0	0	0	0	0	0	0	0
PO-1104_2	10	0	0	6.7	3.3	0.48	55.62	0.33	0	0	0	0	0	0	0	0
BC-2736	10	0	0	4.43	5.58	0.83	60.48	0.558	0	0	0	0	0	0	0	0
CC-J1138_3	10	0	0	5.05	4.94	0.54	43.28	0.494	0	0	0	0	0	0	0	0
BC-1289_1	10	0	0	6.08	3.92	0.29	21.83	0.392	0	0	0	0	0	0	0	0
PO-1234_1	10	0	0	4.03	5.97	0.93	62.48	0.597	0	0	0	0	0	0	0	0
UT-2919_1	10	0	0	4.5	5.48	0.97	56.87	0.548	0	0	0	0	0	0	0	0
UT-3042417_2	10	0	0	4.36	5.64	0.39	29.58	0.564	0	0	0	0	0	0	0	0
CC-J2905	10	0	0	4.46	5.54	0.46	36.06	0.554	0	0	0	0	0	0	0	0
CC-J2789_1	10	0	0	4.19	5.81	0.3	22.32	0.581	0	0	0	0	0	0	0	0
UT-6042417_2	10	0	0	3.64	6.34	0.51	28.02	0.634	0	0	0	0	0	0	0	0
UT-1212	10	0	0	4.46	5.54	1.07	62.34	0.554	0	0	0	0	0	0	0	0
CC-J1157_2	10	0	0	4.18	5.8	0.71	32.75	0.58	0	0	0	0	0	0	0	0
CC-J1190_3	10	0	0	6.31	3.69	0.45	46.84	0.369	0	0	0	0	0	0	0	0
CC-J1287_1	10	0	0	4.38	5.62	0.79	54.54	0.562	0	0	0	0	0	0	0	0
BC-1289_2	10	0	0	5.13	4.86	0.33	19.81	0.486	0	0	0	0	0	0	0	0
UT-1227_2	10	0	0	4.22	5.77	0.4	27.27	0.577	0	0	0	0	0	0	0	0
UT-2966_2	10	0	0	4.21	5.79	0.6	32.14	0.579	0	0	0	0	0	0	0	0
BC-1203_2	10	0	0	6.31	3.7	1.12	73.14	0.37	0	0	0	0	0	0	0	0
CC-J1271_1	10	0	0	4.3	5.7	0.87	61.4	0.57	0	0	0	0	0	0	0	0
PO-1223_1	10	0	0	7.03	2.97	0.4	33.35	0.297	0	0	0	0	0	0	0	0
BC-66_1	10	0	0	4.07	5.92	0.94	49.51	0.592	0	0	0	0	0	0	0	0
PO-1234_2	10	0	0	5.14	4.86	0.46	33.15	0.486	0	0	0	0	0	0	0	0
BC-1289_3	10	0	0	5.96	4.04	0.24	17.96	0.404	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1271_2	10	0	0	4.51	5.49	0.38	26.13	0.549	0	0	0	0	0	0	0	0
UT-1269_1	10	0	0	4.59	5.41	0.74	50.22	0.541	0	0	0	0	0	0	0	0
UT-1301_1	10	0	0	4.73	5.27	0.72	47.22	0.527	0	0	0	0	0	0	0	0
BC-1245_2	10	0	0	4.08	5.9	0.78	43.01	0.59	0	0	0	0	0	0	0	0
PO-1234_3	10	0	0	4.42	5.56	1.09	56.74	0.556	0	0	0	0	0	0	0	0
BC-1289_4	10	0	0	5.3	4.69	0.61	37.18	0.469	0	0	0	0	0	0	0	0
UT-7042417_1	10	0	0	4.76	5.24	0.44	22.6	0.524	0	0	0	0	0	0	0	0
UT-1227_3	10	0	0	4.15	5.83	1.36	74.57	0.583	0	0	0	0	0	0	0	0
PO-1297_1	10	0	0	6.46	3.54	0.47	39.2	0.354	0	0	0	0	0	0	0	0
BC-1238	10	0	0	4.51	5.47	0.89	50.93	0.547	0	0	0	0	0	0	0	0
BC-1259	10	0	0	5.6	4.4	0.45	23.44	0.44	0	0	0	0	0	0	0	0
BC-1242	10	0	0	4.95	5.03	0.43	28.01	0.503	0	0	0	0	0	0	0	0
UT-1232	10	0	0	4.82	5.19	0.49	35.57	0.519	0	0	0	0	0	0	0	0
CC-J1350_1	10	0	0	4.98	5.02	0.91	67.9	0.502	0	0	0	0	0	0	0	0
PO-1223_2	10	0	0	6.82	3.18	0.53	46.52	0.318	0	0	0	0	0	0	0	0
CC-J1287_2	10	0	0	4.42	5.58	0.6	37.04	0.558	0	0	0	0	0	0	0	0
CC-J2789_2	10	0	0	4.99	5.01	0.15	13.41	0.501	0	0	0	0	0	0	0	0
PO-1295	10	0	0	5.24	4.75	0.61	34.72	0.475	0	0	0	0	0	0	0	0
CC-J1255	10	0	0	5.88	4.12	0.71	71.74	0.412	0	0	0	0	0	0	0	0
UT-1269_2	10	0	0	4.39	5.6	0.56	31.08	0.56	0	0	0	0	0	0	0	0
UT-6042417_3	10	0	0	4.08	5.89	0.57	28.95	0.589	0	0	0	0	0	0	0	0
BC-48	10	0	0	4.48	5.51	0.38	23.21	0.551	0	0	0	0	0	0	0	0
BC-66_2	10	0	0	3.42	6.58	0.46	30.54	0.658	0	0	0	0	0	0	0	0
PO-1299_1	10	0	0	7.16	2.84	0.7	46.69	0.284	0	0	0	0	0	0	0	0
UT-2990_1	10	0	0	4.67	5.33	1.4	93.02	0.533	0	0	0	0	0	0	0	0
UT-2919_2	10	0	0	5.79	4.21	1.01	73.86	0.421	0	0	0	0	0	0	0	0
CC-J2790_1	10	0	0	5.64	4.37	0.22	21.8	0.437	0	0	0	0	0	0	0	0
BC-1249	10	0	0	4.11	5.89	0.51	30.71	0.589	0	0	0	0	0	0	0	0
UT-1279	10	0	0	6.22	3.78	0.31	33.86	0.378	0	0	0	0	0	0	0	0
UT-10042417	10	0	0	4.08	5.88	2.05	76.52	0.588	0	0	0	0	0	0	0	0
CC-J2790_2	10	0	0	5.52	4.48	0.67	50.98	0.448	0	0	0	0	0	0	0	0
UT-11042417_1	10	0	0	4.01	5.95	1.99	92.32	0.595	0	0	0	0	0	0	0	0
BC-1289_5	10	0	0	5.68	4.31	0.52	36.18	0.431	0	0	0	0	0	0	0	0
BC-1305_1	10	0	0	5.34	4.66	0.7	59.72	0.466	0	0	0	0	0	0	0	0
CC-J3026	10	0	0	6.12	3.88	0.72	70.49	0.388	0	0	0	0	0	0	0	0
UT-2707_1	10	0	0	6.35	3.65	0.17	18.5	0.365	0	0	0	0	0	0	0	0
BC-1305_2	10	0	0	5.04	4.95	0.51	35.64	0.495	0	0	0	0	0	0	0	0
CC-J1287_3	10	0	0	6.3	3.7	0.58	58.83	0.37	0	0	0	0	0	0	0	0
PO-1297_2	10	0	0	7.05	2.95	0.47	46.04	0.295	0	0	0	0	0	0	0	0
BC-66_3	10	0	0	3.59	6.4	0.37	22.15	0.64	0	0	0	0	0	0	0	0
BC-49	10	0	0	4.41	5.57	0.71	40.94	0.557	0	0	0	0	0	0	0	0
BC-1293	10	0	0	5.14	4.85	0.44	31.22	0.485	0	0	0	0	0	0	0	0
UT-7042417_2	10	0	0	4.21	5.79	0.79	50.24	0.579	0	0	0	0	0	0	0	0
CC-J2965_1	10	0	0	6.25	3.74	0.39	34.95	0.374	0	0	0	0	0	0	0	0
CC-J2965_2	10	0	0	6.09	3.9	0.65	44.95	0.39	0	0	0	0	0	0	0	0
UT-2707_2	10	0	0	6.27	3.73	0.35	37.09	0.373	0	0	0	0	0	0	0	0
BC-72	10	0	0	3.92	6.08	0.92	63.77	0.608	0	0	0	0	0	0	0	0
PO-1346_1	10	0	0	5.56	4.44	0.7	50.02	0.444	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J127_1	10	0	0	4.53	5.45	0.78	42.39	0.545	0	0	0	0	0	0	0	0
UT-1283	10	0	0	5.15	4.85	0.48	35.08	0.485	0	0	0	0	0	0	0	0
PO-1285	10	0	0	4.76	5.24	0.67	44	0.524	0	0	0	0	0	0	0	0
BC-1358	10	0	0	4.6	5.4	0.7	41.6	0.54	0	0	0	0	0	0	0	0
CC-J127_2	10	0	0	4.6	5.35	0.43	19.35	0.535	0	0	0	0	0	0	0	0
UT-2990_2	10	0	0	5.29	4.7	0.32	28.25	0.47	0	0	0	0	0	0	0	0
BC-73_1	10	0	0	4.58	5.42	0.69	49.08	0.542	0	0	0	0	0	0	0	0
CC-J127_3	10	0	0	4.54	5.43	1.08	57.09	0.543	0	0	0	0	0	0	0	0
CC-J80_1	10	0	0	4.36	5.62	0.5	21.8	0.562	0	0	0	0	0	0	0	0
PO-1299_2	10	0	0	6.83	3.17	0.3	27.12	0.317	0	0	0	0	0	0	0	0
CC-J127_4	10	0	0	4.44	5.52	0.52	24.35	0.552	0	0	0	0	0	0	0	0
CC-J80_2	10	0	0	4.39	5.6	1.16	68.51	0.56	0	0	0	0	0	0	0	0
BC-1318	10	0	0	4.5	5.49	0.33	19.48	0.549	0	0	0	0	0	0	0	0
CC-J80_3	10	0	0	4.28	5.72	1.5	80.04	0.572	0	0	0	0	0	0	0	0
CC-J1291	10	0	0	5.39	4.61	0.48	34.51	0.461	0	0	0	0	0	0	0	0
BC-1354_1	10	0	0	6.16	3.84	0.67	54.92	0.384	0	0	0	0	0	0	0	0
BC-1336	10	0	0	5.52	4.48	0.88	57.6	0.448	0	0	0	0	0	0	0	0
BC-73_2	10	0	0	3.72	6.27	0.71	47.64	0.627	0	0	0	0	0	0	0	0
UT-1301_2	10	0	0	5.72	4.28	0.67	45	0.428	0	0	0	0	0	0	0	0
BC-1307	10	0	0	5.09	4.9	0.6	45.92	0.49	0	0	0	0	0	0	0	0
BC-1392_1	10	0	0	5.63	4.37	0.86	61.75	0.437	0	0	0	0	0	0	0	0
UT-2902	10	0	0	5.65	4.35	1.5	107.56	0.435	0	0	0	0	0	0	0	0
PO-1316	10	0	0	6.8	3.2	0.44	39.38	0.32	0	0	0	0	0	0	0	0
CC-J1406	10	0	0	6.86	3.14	0.49	51.61	0.314	0	0	0	0	0	0	0	0
BC-1332	10	0	0	5.68	4.31	0.35	34.59	0.431	0	0	0	0	0	0	0	0
CC-J127_5	10	0	0	4.23	5.73	0.85	40.64	0.573	0	0	0	0	0	0	0	0
UT-14042417_1	10	0	0	4.56	5.4	0.96	47.64	0.54	0	0	0	0	0	0	0	0
BC-1377_1	10	0	0	6.1	3.89	1.32	88.01	0.389	0	0	0	0	0	0	0	0
PO-1346_2	10	0	0	4.86	5.14	0.42	29.99	0.514	0	0	0	0	0	0	0	0
UT-14042417_2	10	0	0	4.44	5.56	0.41	29	0.556	0	0	0	0	0	0	0	0
PO-1364	10	0	0	6.75	3.25	0.21	23.59	0.325	0	0	0	0	0	0	0	0
UT-1403	10	0	0	5.79	4.21	1.13	57.74	0.421	0	0	0	0	0	0	0	0
BC-1396	10	0	0	5.31	4.68	0.57	43.37	0.468	0	0	0	0	0	0	0	0
CC-J1350_2	10	0	0	5.67	4.32	0.55	37.41	0.432	0	0	0	0	0	0	0	0
CC-J1344	10	0	0	7.09	2.91	0.38	36.41	0.291	0	0	0	0	0	0	0	0
BC-1420	10	0	0	5.78	4.22	0.9	78.62	0.422	0	0	0	0	0	0	0	0
CC-J127_6	10	0	0	4.16	5.83	0.68	38.06	0.583	0	0	0	0	0	0	0	0
BC-7	10	0	0	5.7	4.3	0.32	25.82	0.43	0	0	0	0	0	0	0	0
CC-J82	10	0	0	4.33	5.67	1.65	96.53	0.567	0	0	0	0	0	0	0	0
BC-1385_1	10	0	0	4.11	5.89	0.88	59.92	0.589	0	0	0	0	0	0	0	0
UT-13042417_1	10	0	0	5.9	4.1	1.25	82.42	0.41	0	0	0	0	0	0	0	0
UT-11042417_2	10	0	0	4.4	5.57	0.44	23.61	0.557	0	0	0	0	0	0	0	0
BC-1354_2	10	0	0	6.02	3.97	0.67	68.69	0.397	0	0	0	0	0	0	0	0
PO-2722	10	0	0	7	3	0.65	55.27	0.3	0	0	0	0	0	0	0	0
BC-1309	10	0	0	5.19	4.81	0.52	34.92	0.481	0	0	0	0	0	0	0	0
PO-1371	10	0	0	6.44	3.56	0.9	83.09	0.356	0	0	0	0	0	0	0	0
UT-1398_1	10	0	0	4.77	5.23	0.48	35.9	0.523	0	0	0	0	0	0	0	0
CC-J1426_1	10	0	0	5.41	4.57	0.73	47.13	0.457	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1362	10	0	0	5.91	4.09	0.45	29.97	0.409	0	0	0	0	0	0	0	0
UT-11042417_3	10	0	0	3.71	6.26	0.59	27.08	0.626	0	0	0	0	0	0	0	0
BC-5	10	0	0	6.69	3.31	0.33	39.4	0.331	0	0	0	0	0	0	0	0
CC-J1435	10	0	0	7.3	2.7	0.62	62.7	0.27	0	0	0	0	0	0	0	0
BC-1377_2	10	0	0	7.32	2.68	0.3	36.63	0.268	0	0	0	0	0	0	0	0
BC-1428_1	10	0	0	6.48	3.52	0.39	27.64	0.352	0	0	0	0	0	0	0	0
BC-2934	10	0	0	6.21	3.78	0.43	42.52	0.378	0	0	0	0	0	0	0	0
BC-1430	10	0	0	6.26	3.74	0.33	33.93	0.374	0	0	0	0	0	0	0	0
UT-1369_1	10	0	0	4.3	5.67	0.51	25.65	0.567	0	0	0	0	0	0	0	0
UT-1369_2	10	0	0	3.99	6	0.49	28.51	0.6	0	0	0	0	0	0	0	0
UT-1398_2	10	0	0	4.2	5.75	1.45	62.26	0.575	0	0	0	0	0	0	0	0
CC-J127_7	10	0	0	4.22	5.7	2.09	76.26	0.57	0	0	0	0	0	0	0	0
PO-21	10	0	0	6.42	3.58	0.25	21.9	0.358	0	0	0	0	0	0	0	0
BC-1390	10	0	0	4.51	5.48	0.51	29.8	0.548	0	0	0	0	0	0	0	0
PO-1480_1	10	0	0	6.77	3.23	0.51	41.16	0.323	0	0	0	0	0	0	0	0
UT-13042417_2	10	0	0	5.12	4.88	0.42	31.62	0.488	0	0	0	0	0	0	0	0
BC-1392_2	10	0	0	3.92	6.07	0.2	14.76	0.607	0	0	0	0	0	0	0	0
UT-11042417_4	10	0	0	5.28	4.72	0.47	38.25	0.472	0	0	0	0	0	0	0	0
BC-3024_1	10	0	0	7.56	2.44	0.14	21.07	0.244	0	0	0	0	0	0	0	0
PO-1480_2	10	0	0	6.66	3.34	0.83	83.08	0.334	0	0	0	0	0	0	0	0
BC-2795	10	0	0	6.17	3.83	0.66	58.35	0.383	0	0	0	0	0	0	0	0
CC-J80_4	10	0	0	3.92	6.08	0.72	46.47	0.608	0	0	0	0	0	0	0	0
BC-1482	10	0	0	7.08	2.92	0.26	28.86	0.292	0	0	0	0	0	0	0	0
BC-1475_1	10	0	0	5.74	4.25	0.46	41.75	0.425	0	0	0	0	0	0	0	0
BC-1392_3	10	0	0	5.52	4.47	0.63	43.45	0.447	0	0	0	0	0	0	0	0
PO-1446_1	10	0	0	5.64	4.36	1.13	72.63	0.436	0	0	0	0	0	0	0	0
UT-84_1	10	0	0	6.07	3.93	0.28	20.83	0.393	0	0	0	0	0	0	0	0
BC-1463	10	0	0	6.07	3.92	0.95	66.43	0.392	0	0	0	0	0	0	0	0
UT-41042417_1	10	0	0	5.08	4.91	0.39	33.94	0.491	0	0	0	0	0	0	0	0
BC-1428_2	10	0	0	5.46	4.53	0.35	27.79	0.453	0	0	0	0	0	0	0	0
CC-J1426_2	10	0	0	5.57	4.42	0.29	24.81	0.442	0	0	0	0	0	0	0	0
CC-MASJ1365_2	10	0	0	5.1	4.9	0.36	26.4	0.49	0	0	0	0	0	0	0	0
BC-2706	10	0	0	7.31	2.69	0.33	39.1	0.269	0	0	0	0	0	0	0	0
BC-1432	10	0	0	5.92	4.07	0.42	35.16	0.407	0	0	0	0	0	0	0	0
BC-3024_2	10	0	0	7.49	2.51	0.26	29.15	0.251	0	0	0	0	0	0	0	0
UT-123	10	0	0	4.64	5.36	0.63	44.01	0.536	0	0	0	0	0	0	0	0
CC-J1422	10	0	0	7.02	2.98	0.09	12.15	0.298	0	0	0	0	0	0	0	0
PO-1480_3	10	0	0	6.83	3.17	0.35	33.94	0.317	0	0	0	0	0	0	0	0
BC-1478_1	10	0	0	7.58	2.42	0.28	32.61	0.242	0	0	0	0	0	0	0	0
BC-1469_1	10	0	0	7.22	2.78	0.45	42.21	0.278	0	0	0	0	0	0	0	0
BC-1478_2	10	0	0	7.75	2.25	0.44	48.06	0.225	0	0	0	0	0	0	0	0
CC-J1426_3	10	0	0	7.04	2.96	0.36	36.43	0.296	0	0	0	0	0	0	0	0
BC-1475_2	10	0	0	6.5	3.5	0.27	29.82	0.35	0	0	0	0	0	0	0	0
UT-131	10	0	0	4.36	5.63	1.42	75.39	0.563	0	0	0	0	0	0	0	0
BC-1465_1	10	0	0	6.76	3.24	0.63	56.12	0.324	0	0	0	0	0	0	0	0
BC-2732_1	10	0	0	6.39	3.6	0.27	30.24	0.36	0	0	0	0	0	0	0	0
BC-1504	10	0	0	6.87	3.13	0.26	23.62	0.313	0	0	0	0	0	0	0	0
BC-2732_2	10	0	0	6.44	3.56	0.34	36.93	0.356	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J124_1	10	0	0	4.29	5.69	2.08	117.87	0.569	0	0	0	0	0	0	0	0
CC-J80_5	10	0	0	4.4	5.57	0.61	32.01	0.557	0	0	0	0	0	0	0	0
PO-1480_4	10	0	0	6.79	3.21	0.45	37.73	0.321	0	0	0	0	0	0	0	0
UT-2740_1	10	0	0	4.62	5.33	0.81	34.77	0.533	0	0	0	0	0	0	0	0
PO-1510_1	10	0	0	7.35	2.65	0.85	58.16	0.265	0	0	0	0	0	0	0	0
UT-1484_1	10	0	0	4.47	5.53	0.7	44.69	0.553	0	0	0	0	0	0	0	0
BC-30	10	0	0	6.91	3.09	0.26	29.16	0.309	0	0	0	0	0	0	0	0
UT-1484_2	10	0	0	4.53	5.44	0.41	22.32	0.544	0	0	0	0	0	0	0	0
BC-1475_3	10	0	0	6.11	3.88	0.56	46.26	0.388	0	0	0	0	0	0	0	0
BC-1469_2	10	0	0	7.1	2.9	0.2	23.71	0.29	0	0	0	0	0	0	0	0
CC-J3025_1	10	0	0	7.14	2.86	0.62	63.92	0.286	0	0	0	0	0	0	0	0
UT-84_2	10	0	0	6.7	3.3	0.93	74.32	0.33	0	0	0	0	0	0	0	0
CC-J1452	10	0	0	7.15	2.85	0.37	39.79	0.285	0	0	0	0	0	0	0	0
UT-41042417_2	10	0	0	4.52	5.48	0.98	51.18	0.548	0	0	0	0	0	0	0	0
PO-1446_2	10	0	0	6.66	3.34	0.36	38.94	0.334	0	0	0	0	0	0	0	0
UT-12042417	10	0	0	5.3	4.7	0.83	66.01	0.47	0	0	0	0	0	0	0	0
BC-2732_3	10	0	0	7.51	2.49	0.2	25.81	0.249	0	0	0	0	0	0	0	0
BC-1469_3	10	0	0	7.01	2.99	0.25	29.16	0.299	0	0	0	0	0	0	0	0
PO-1500	10	0	0	5.03	4.96	0.8	64.17	0.496	0	0	0	0	0	0	0	0
PO-1454	10	0	0	6.98	3.02	0.75	76.9	0.302	0	0	0	0	0	0	0	0
UT-18042417	10	0	0	4.94	5.05	0.34	23.98	0.505	0	0	0	0	0	0	0	0
CC-J124_2	10	0	0	3.91	6.08	0.6	33.01	0.608	0	0	0	0	0	0	0	0
BC-31	10	0	0	6.57	3.42	1	78.06	0.342	0	0	0	0	0	0	0	0
UT-19042417_1	10	0	0	5.35	4.65	0.68	49.01	0.465	0	0	0	0	0	0	0	0
BC-1465_2	10	0	0	6.1	3.89	0.36	25.91	0.389	0	0	0	0	0	0	0	0
UT-2740_2	10	0	0	4.48	5.51	1.01	59.27	0.551	0	0	0	0	0	0	0	0
BC-2723_1	10	0	0	7.12	2.88	0.37	37.93	0.288	0	0	0	0	0	0	0	0
CC-J2907	10	0	0	4.6	5.38	0.77	41.26	0.538	0	0	0	0	0	0	0	0
UT-1484_3	10	0	0	4.48	5.51	0.46	27.83	0.551	0	0	0	0	0	0	0	0
UT-19042417_2	10	0	0	5.53	4.47	1.6	110.36	0.447	0	0	0	0	0	0	0	0
BC-2781	10	0	0	7.39	2.61	0.53	64.39	0.261	0	0	0	0	0	0	0	0
BC-2732_4	10	0	0	7.07	2.94	0.07	9.45	0.294	0	0	0	0	0	0	0	0
CC-J124_3	10	0	0	4.01	5.99	0.68	43.66	0.599	0	0	0	0	0	0	0	0
BC-2723_2	10	0	0	7.03	2.97	0.28	31.57	0.297	0	0	0	0	0	0	0	0
CC-J1544_1	10	0	0	4.38	5.6	0.8	43.41	0.56	0	0	0	0	0	0	0	0
CC-J1544_2	10	0	0	4.48	5.52	0.44	27.42	0.552	0	0	0	0	0	0	0	0
BC-2937	10	0	0	6.49	3.51	0.57	50.11	0.351	0	0	0	0	0	0	0	0
BC-3023	10	0	0	7.22	2.78	0.41	48.14	0.278	0	0	0	0	0	0	0	0
BC-1538_1	10	0	0	6.99	3.01	0.24	28.89	0.301	0	0	0	0	0	0	0	0
PO-3004_1	10	0	0	6.3	3.71	0.66	67.15	0.371	0	0	0	0	0	0	0	0
CC-J1536_1	10	0	0	7.17	2.83	0.26	27.7	0.283	0	0	0	0	0	0	0	0
PO-1553	10	0	0	7.08	2.92	0.58	51.15	0.292	0	0	0	0	0	0	0	0
CC-J1527	10	0	0	4.14	5.86	0.57	36.42	0.586	0	0	0	0	0	0	0	0
CC-J1584_1	10	0	0	3.61	6.38	0.66	39.96	0.638	0	0	0	0	0	0	0	0
BC-1525	10	0	0	7.27	2.73	0.49	44.77	0.273	0	0	0	0	0	0	0	0
CC-J2699_1	10	0	0	4.58	5.42	0.84	49.85	0.542	0	0	0	0	0	0	0	0
BC-1590_1	10	0	0	6.3	3.69	0.65	52.17	0.369	0	0	0	0	0	0	0	0
CC-J1536_2	10	0	0	7.2	2.8	0.22	22.21	0.28	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-2740_3	10	0	0	4.46	5.54	0.43	28.98	0.554	0	0	0	0	0	0	0	0
UT-20042417_1	10	0	0	6.53	3.47	1	68.22	0.347	0	0	0	0	0	0	0	0
UT-19042417_3	10	0	0	5.38	4.61	0.31	23.38	0.461	0	0	0	0	0	0	0	0
CC-J3025_2	10	0	0	8.24	1.76	0.24	26.47	0.176	0	0	0	0	0	0	0	0
BC-1538_2	10	0	0	7.19	2.81	0.69	65.94	0.281	0	0	0	0	0	0	0	0
CC-J1584_2	10	0	0	4.31	5.69	0.42	27.57	0.569	0	0	0	0	0	0	0	0
UT-20042417_2	10	0	0	5.99	4.01	0.36	34.95	0.401	0	0	0	0	0	0	0	0
BC-1560	10	0	0	5.99	4.01	0.46	39.18	0.401	0	0	0	0	0	0	0	0
PO-1510_2	10	0	0	6.79	3.2	0.77	55.11	0.32	0	0	0	0	0	0	0	0
CC-J2699_2	10	0	0	3.87	6.13	0.72	44.95	0.613	0	0	0	0	0	0	0	0
CC-J1584_3	10	0	0	3.59	6.39	0.79	41.27	0.639	0	0	0	0	0	0	0	0
CC-J1601	10	0	0	4.2	5.79	0.83	47.93	0.579	0	0	0	0	0	0	0	0
BC-1571_1	10	0	0	7.07	2.93	0.28	31.75	0.293	0	0	0	0	0	0	0	0
BC-1567_1	10	0	0	6.65	3.35	0.42	44.21	0.335	0	0	0	0	0	0	0	0
BC-1567_2	10	0	0	5.84	4.16	0.39	34.14	0.416	0	0	0	0	0	0	0	0
BC-1593_1	10	0	0	7.12	2.88	0.31	31.71	0.288	0	0	0	0	0	0	0	0
BC-2973_1	10	0	0	8.9	1.1	0.22	27.48	0.11	0	0	0	0	0	0	0	0
BC-1542	10	0	0	6.03	3.97	0.35	33.2	0.397	0	0	0	0	0	0	0	0
CC-J1588_1	10	0	0	5.86	4.14	0.74	39.54	0.414	0	0	0	0	0	0	0	0
BC-1571_2	10	0	0	5.91	4.09	0.35	32.95	0.409	0	0	0	0	0	0	0	0
BC-2973_2	10	0	0	7.13	2.87	0.29	30.77	0.287	0	0	0	0	0	0	0	0
CC-J2699_3	10	0	0	3.85	6.15	0.54	36.46	0.615	0	0	0	0	0	0	0	0
CC-J1619	10	0	0	4.47	5.52	0.42	25.23	0.552	0	0	0	0	0	0	0	0
BC-1615	10	0	0	7.2	2.8	0.05	6.55	0.28	0	0	0	0	0	0	0	0
CC-J1597_1	10	0	0	3.3	6.68	0.57	31.36	0.668	0	0	0	0	0	0	0	0
CC-J1647	10	0	0	5.25	4.75	1.5	103.55	0.475	0	0	0	0	0	0	0	0
PO-2900_1	10	0	0	7.07	2.92	0.53	43.77	0.292	0	0	0	0	0	0	0	0
PO-3004_2	10	0	0	5.6	4.39	0.32	28.16	0.439	0	0	0	0	0	0	0	0
UT-20042417_3	10	0	0	4.94	5.06	0.49	30.37	0.506	0	0	0	0	0	0	0	0
CC-J3025_3	10	0	0	7.16	2.84	0.55	54.26	0.284	0	0	0	0	0	0	0	0
PO-1613_1	10	0	0	6.15	3.85	0.54	44.44	0.385	0	0	0	0	0	0	0	0
BC-33	10	0	0	7.65	2.35	0.22	27.77	0.235	0	0	0	0	0	0	0	0
UT-21042417_1	10	0	0	4.71	5.29	0.6	34.26	0.529	0	0	0	0	0	0	0	0
CC-J74_1	10	0	0	6.68	3.32	0.64	43.56	0.332	0	0	0	0	0	0	0	0
BC-1590_2	10	0	0	3.71	6.28	0.49	31.52	0.628	0	0	0	0	0	0	0	0
CC-J1653_1	10	0	0	5.36	4.63	0.89	53.5	0.463	0	0	0	0	0	0	0	0
BC-11_1	10	0	0	9.28	0.72	0.05	8.28	0.072	0	0	0	0	0	0	0	0
BC-1609	10	0	0	7.25	2.75	0.5	47.27	0.275	0	0	0	0	0	0	0	0
PO-1633_1	10	0	0	6.81	3.19	0.16	15.93	0.319	0	0	0	0	0	0	0	0
BC-1629	10	0	0	4.36	5.63	0.67	51.07	0.563	0	0	0	0	0	0	0	0
CC-J1627_1	10	0	0	6.65	3.35	0.52	41.19	0.335	0	0	0	0	0	0	0	0
UT-28042417	10	0	0	7.03	2.97	0.55	38.38	0.297	0	0	0	0	0	0	0	0
UT-29042417	10	0	0	6.66	3.34	0.86	42.48	0.334	0	0	0	0	0	0	0	0
CC-J1597_2	10	0	0	5.73	4.26	1.06	76.07	0.426	0	0	0	0	0	0	0	0
CC-J76_1	10	0	0	5.49	4.5	0.66	43.95	0.45	0	0	0	0	0	0	0	0
UT-27042417_1	10	0	0	6.34	3.66	0.77	50.93	0.366	0	0	0	0	0	0	0	0
BC-11_2	10	0	0	6.63	3.37	1.34	87.21	0.337	0	0	0	0	0	0	0	0
BC-11_3	10	0	0	7.17	2.83	0.24	22.27	0.283	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT-21042417_2	10	0	0	6.11	3.89	0.38	30.27	0.389	0	0	0	0	0	0	0	0
PO-36	10	0	0	7.14	2.86	0.39	36.29	0.286	0	0	0	0	0	0	0	0
UT-21042417_3	10	0	0	5.26	4.74	0.25	18.98	0.474	0	0	0	0	0	0	0	0
CC-J1588_2	10	0	0	5.99	4.01	0.43	30.09	0.401	0	0	0	0	0	0	0	0
PO-1613_2	10	0	0	6.98	3.02	0.23	20.46	0.302	0	0	0	0	0	0	0	0
CC-J1623	10	0	0	5.76	4.24	0.65	44.44	0.424	0	0	0	0	0	0	0	0
BC-1593_2	10	0	0	7.38	2.62	0.24	33.65	0.262	0	0	0	0	0	0	0	0
BC-32	10	0	0	4.39	5.61	0.38	27.21	0.561	0	0	0	0	0	0	0	0
PO-1633_2	10	0	0	6.48	3.51	0.59	36.28	0.351	0	0	0	0	0	0	0	0
UT-23042417_1	10	0	0	6.77	3.23	0.34	31.91	0.323	0	0	0	0	0	0	0	0
UT-27042417_2	10	0	0	6.57	3.43	0.37	26.46	0.343	0	0	0	0	0	0	0	0
CC-J1660	10	0	0	6.29	3.71	0.35	36.6	0.371	0	0	0	0	0	0	0	0
CC-J1653_2	10	0	0	5.24	4.76	0.6	38.6	0.476	0	0	0	0	0	0	0	0
BC-1625	10	0	0	7.34	2.66	0.31	26.77	0.266	0	0	0	0	0	0	0	0
CC-J74_2	10	0	0	6.77	3.23	0.28	22.95	0.323	0	0	0	0	0	0	0	0
UT-25042417	10	0	0	6.76	3.24	0.3	23.39	0.324	0	0	0	0	0	0	0	0
BC-1662_1	10	0	0	9.47	0.53	0.13	24.2	0.053	0	0	0	0	0	0	0	0
UT-26042417	10	0	0	6.34	3.66	0.28	23.34	0.366	0	0	0	0	0	0	0	0
BC-1635	10	0	0	5.44	4.56	0.61	50.82	0.456	0	0	0	0	0	0	0	0
CC-J9	10	0	0	6.8	3.2	0.51	38.44	0.32	0	0	0	0	0	0	0	0
UT-22042417	10	0	0	6.39	3.61	0.26	26.34	0.361	0	0	0	0	0	0	0	0
UT-24042417	10	0	0	6.33	3.67	0.6	49.05	0.367	0	0	0	0	0	0	0	0
BC-1683	10	0	0	6.04	3.96	1.13	88.35	0.396	0	0	0	0	0	0	0	0
CC-J76_2	10	0	0	5.82	4.17	0.41	31.19	0.417	0	0	0	0	0	0	0	0
PO-1637	10	0	0	7.22	2.77	0.44	30.97	0.277	0	0	0	0	0	0	0	0
PO-1673	10	0	0	7.15	2.86	0.46	49.18	0.286	0	0	0	0	0	0	0	0
UT-21042417_4	10	0	0	4.69	5.31	0.57	32.43	0.531	0	0	0	0	0	0	0	0
BC-2968	10	0	0	6.17	3.83	0.53	48.58	0.383	0	0	0	0	0	0	0	0
CC-J1627_2	10	0	0	5.6	4.4	0.53	35.69	0.44	0	0	0	0	0	0	0	0
BC-1645_1	10	0	0	5.91	4.09	0.56	42.23	0.409	0	0	0	0	0	0	0	0
PO-2726	10	0	0	7.11	2.89	0.22	22.24	0.289	0	0	0	0	0	0	0	0
BC-1643	10	0	0	6.79	3.22	0.24	20.05	0.322	0	0	0	0	0	0	0	0
CC-J2869	10	0	0	7.02	2.97	0.15	15.53	0.297	0	0	0	0	0	0	0	0
CC-J1649	10	0	0	6.28	3.72	0.46	31.78	0.372	0	0	0	0	0	0	0	0
CC-J2864_1	10	0	0	9.9	0.1	0.05	6	0.01	0	0	0	0	0	0	0	0
BC-2924	10	0	0	7.3	2.7	0.19	26.07	0.27	0	0	0	0	0	0	0	0
CC-J1627_3	10	0	0	7.25	2.75	0.49	42.4	0.275	0	0	0	0	0	0	0	0
BC-1729_1	10	0	0	4.72	5.28	1	64.17	0.528	0	0	0	0	0	0	0	0
BC-2797	10	0	0	6.69	3.31	0.26	24.51	0.331	0	0	0	0	0	0	0	0
CC-J1669_1	10	0	0	9.55	0.45	0.07	5.37	0.045	0	0	0	0	0	0	0	0
UT-23042417_2	10	0	0	6.4	3.6	0.33	25.95	0.36	0	0	0	0	0	0	0	0
BC-87	10	0	0	3.68	6.31	0.78	53.14	0.631	0	0	0	0	0	0	0	0
BC-2750	10	0	0	6.07	3.93	0.47	47.03	0.393	0	0	0	0	0	0	0	0
CC-J76_3	10	0	0	6.99	3.01	0.21	21.95	0.301	0	0	0	0	0	0	0	0
CC-J76_4	10	0	0	6.78	3.22	0.3	29.62	0.322	0	0	0	0	0	0	0	0
BC-1662_2	10	0	0	6.59	3.41	0.46	48.87	0.341	0	0	0	0	0	0	0	0
PO-1677_1	10	0	0	9.51	0.49	0.06	5.15	0.049	0	0	0	0	0	0	0	0
CC-J1588_3	10	0	0	7.18	2.82	0.37	33.32	0.282	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
PO-1677_2	10	0	0	8.94	1.06	0.1	13.29	0.106	0	0	0	0	0	0	0	0
BC-1704	10	0	0	6.39	3.61	0.09	9.48	0.361	0	0	0	0	0	0	0	0
BC-1111	10	0	0	5.81	4.19	0.54	42.6	0.419	0	0	0	0	0	0	0	0
CC-J2898	10	0	0	6.67	3.33	0.36	35.03	0.333	0	0	0	0	0	0	0	0
PO-2900_2	10	0	0	9.85	0.15	0.02	4.13	0.015	0	0	0	0	0	0	0	0
BC-1645_2	10	0	0	6.4	3.6	0.42	30.88	0.36	0	0	0	0	0	0	0	0
BC-2885	10	0	0	3.91	6.09	0.73	47.21	0.609	0	0	0	0	0	0	0	0
BC-1691_1	10	0	0	5.53	4.46	0.31	22.7	0.446	0	0	0	0	0	0	0	0
BC-1679_1	10	0	0	6.78	3.22	0.77	57.76	0.322	0	0	0	0	0	0	0	0
BC-1707_1	10	0	0	4.86	5.13	0.46	32.74	0.513	0	0	0	0	0	0	0	0
CC-J1669_2	10	0	0	9.02	0.98	0.07	5.56	0.098	0	0	0	0	0	0	0	0
BC-1729_2	10	0	0	5.47	4.52	0.62	43.05	0.452	0	0	0	0	0	0	0	0
BC-1679_2	10	0	0	6.68	3.32	0.48	36.8	0.332	0	0	0	0	0	0	0	0
BC-1691_2	10	0	0	5.59	4.4	0.6	39.94	0.44	0	0	0	0	0	0	0	0
PO-1687	10	0	0	8.86	1.15	0.07	11.73	0.115	0	0	0	0	0	0	0	0
BC-1679_3	10	0	0	6.98	3.02	0.36	32.85	0.302	0	0	0	0	0	0	0	0
UT-30042417_1	10	0	0	6.42	3.58	0.43	41	0.358	0	0	0	0	0	0	0	0
UT-30042417_2	10	0	0	7.96	2.04	0.27	35.86	0.204	0	0	0	0	0	0	0	0
PO-2963_1	10	0	0	9.81	0.19	0.06	7.28	0.019	0	0	0	0	0	0	0	0
PO-1675	10	0	0	9.95	0.05	0.01	2.57	0.005	0	0	0	0	0	0	0	0
CC-J2994	10	0	0	9.99	0.01	0	0.1	0.001	0	0	0	0	0	0	0	0
CC-J2864_2	10	0	0	9.02	0.98	0.2	24.55	0.098	0	0	0	0	0	0	0	0
PO-2963_2	10	0	0	9.4	0.6	0.21	28.24	0.06	0	0	0	0	0	0	0	0
CC-J1693	10	0	0	9.98	0.02	0	0.43	0.002	0	0	0	0	0	0	0	0
PO-2960	10	0	0	9.94	0.06	0.01	1.93	0.006	0	0	0	0	0	0	0	0
BC-1770_1	10	0	0	6.27	3.73	1.17	70.16	0.373	0	0	0	0	0	0	0	0
BC-1681	10	0	0	5.86	4.14	0.35	25.34	0.414	0	0	0	0	0	0	0	0
BC-1721_1	10	0	0	4.81	5.19	0.99	76.09	0.519	0	0	0	0	0	0	0	0
BC-1707_2	10	0	0	4.91	5.08	1.07	68.05	0.508	0	0	0	0	0	0	0	0
BC-1713_1	10	0	0	3.3	6.68	0.64	37.86	0.668	0	0	0	0	0	0	0	0
CC-J1699	10	0	0	6.56	3.43	0.47	31.66	0.343	0	0	0	0	0	0	0	0
CC-J46_1	10	0	0	7.31	2.69	0.21	23.12	0.269	0	0	0	0	0	0	0	0
CC-J1719	10	0	0	7.43	2.56	0.61	31.62	0.256	0	0	0	0	0	0	0	0
CC-J112	10	0	0	4.88	5.11	0.25	19.91	0.511	0	0	0	0	0	0	0	0
CC-MASJ3041_1	10	0	0	8.25	1.75	0.2	22.31	0.175	0	0	0	0	0	0	0	0
CC-J46_2	10	0	0	7.09	2.91	0.21	20.16	0.291	0	0	0	0	0	0	0	0
CC-J3002_1	10	0	0	9.98	0.02	0.01	0.37	0.002	0	0	0	0	0	0	0	0
CC-J3002_2	10	0	0	9.99	0.01	0	0.2	0.001	0	0	0	0	0	0	0	0
CC-MASJ140_1	10	0	0	8.15	1.84	0.1	4.98	0.184	0	0	0	0	0	0	0	0
CC-M31042417_1	10	0	0	9.94	0.06	0.01	1.22	0.006	0	0	0	0	0	0	0	0
CC-J3001_1	10	0	0	7.3	2.7	0.63	58.93	0.27	0	0	0	0	0	0	0	0
BC-1713_2	10	0	0	5.01	4.99	0.96	58.53	0.499	0	0	0	0	0	0	0	0
CC-J46_3	10	0	0	9.3	0.7	0.05	11.98	0.07	0	0	0	0	0	0	0	0
CC-J3001_2	10	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0
CC-M31042417_2	10	0	0	9.99	0.02	0	1.31	0.002	0	0	0	0	0	0	0	0
CC-J2864_3	10	0	0	4.98	5.01	0.8	62.71	0.501	0	0	0	0	0	0	0	0
CC-J2923_1	10	0	0	7.79	2.2	0.32	16.86	0.22	0	0	0	0	0	0	0	0
BC-1707_3	10	0	0	4.2	5.79	1.09	57.08	0.579	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1763_1	10	0	0	9.36	0.65	0.22	39.06	0.065	0	0	0	0	0	0	0	0
BC-1721_2	10	0	0	5.44	4.56	0.32	24.06	0.456	0	0	0	0	0	0	0	0
BC-1735	10	0	0	5.69	4.31	0.88	69.28	0.431	0	0	0	0	0	0	0	0
BC-1780	10	0	0	5.52	4.48	0.6	50.38	0.448	0	0	0	0	0	0	0	0
CC-J2949	10	0	0	9.88	0.12	0.01	1.69	0.012	0	0	0	0	0	0	0	0
CC-J2923_2	10	0	0	9.22	0.77	0.16	10.52	0.077	0	0	0	0	0	0	0	0
BC-1745	10	0	0	5.53	4.46	0.38	28.99	0.446	0	0	0	0	0	0	0	0
CC-J2832_1	10	0	0	7.46	2.53	0.32	15.69	0.253	0	0	0	0	0	0	0	0
CC-J1776_1	10	0	0	6.71	3.28	0.33	17.12	0.328	0	0	0	0	0	0	0	0
CC-J39_1	10	0	0	9.48	0.52	0.05	9.22	0.052	0	0	0	0	0	0	0	0
CC-J3002_3	10	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0
CC-J2846_1	10	0	0	8.94	1.06	0.29	16.15	0.106	0	0	0	0	0	0	0	0
CC-MASJ140_2	10	0	0	9.98	0.02	0	0.09	0.002	0	0	0	0	0	0	0	0
CC-J2923_3	10	0	0	8.2	1.79	0.16	8.99	0.179	0	0	0	0	0	0	0	0
BC-1758_1	10	0	0	5.04	4.95	0.43	29.09	0.495	0	0	0	0	0	0	0	0
BC-1758_2	10	0	0	4.65	5.35	0.59	43.92	0.535	0	0	0	0	0	0	0	0
CC-J39_2	10	0	0	9.61	0.39	0.04	4.39	0.039	0	0	0	0	0	0	0	0
CC-J41	10	0	0	9.93	0.07	0.01	2.94	0.007	0	0	0	0	0	0	0	0
BC-1721_3	10	0	0	4.43	5.57	0.44	30.06	0.557	0	0	0	0	0	0	0	0
BC-1758_3	10	0	0	4.28	5.71	0.48	33.83	0.571	0	0	0	0	0	0	0	0
CC-M31042417_3	10	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0
CC-J47_1	10	0	0	9.25	0.75	0.12	21.71	0.075	0	0	0	0	0	0	0	0
CC-J1819	10	0	0	5.87	4.13	1.36	99.38	0.413	0	0	0	0	0	0	0	0
UT-32042417	10	0	0	10	0	0	0.4	0	0	0	0	0	0	0	0	0
CC-J2864_4	10	0	0	3.86	6.13	1.43	87.68	0.613	0	0	0	0	0	0	0	0
CC-MASJ140_3	10	0	0	8.85	1.15	0.12	19.62	0.115	0	0	0	0	0	0	0	0
BC-2901	10	0	0	5.84	4.16	0.14	12.02	0.416	0	0	0	0	0	0	0	0
PO-2963_3	10	0	0	9.04	0.96	0.12	8.88	0.096	0	0	0	0	0	0	0	0
CC-J2846_2	10	0	0	8.63	1.37	0.37	20.75	0.137	0	0	0	0	0	0	0	0
CC-J46_4	10	0	0	9.54	0.46	0.05	2.46	0.046	0	0	0	0	0	0	0	0
CC-J2999	10	0	0	8.73	1.27	0.17	23.12	0.127	0	0	0	0	0	0	0	0
CC-MASJ3041_2	10	0	0	9.89	0.11	0.01	4.63	0.011	0	0	0	0	0	0	0	0
CC-J1776_2	10	0	0	9.83	0.17	0.02	2.76	0.017	0	0	0	0	0	0	0	0
CC-MASJ3041_3	10	0	0	7.57	2.43	0.4	35.71	0.243	0	0	0	0	0	0	0	0
CC-J2832_2	10	0	0	9.03	0.97	0.09	6.48	0.097	0	0	0	0	0	0	0	0
CC-J1763_2	10	0	0	9.94	0.06	0	0.2	0.006	0	0	0	0	0	0	0	0
BC-1824_1	10	0	0	5.2	4.79	0.77	48.54	0.479	0	0	0	0	0	0	0	0
CC-J2832_3	10	0	0	8.41	1.59	0.11	6.71	0.159	0	0	0	0	0	0	0	0
CC-J3001_3	10	0	0	8.77	1.23	0.26	30.78	0.123	0	0	0	0	0	0	0	0
CC-J2923_4	10	0	0	8.96	1.04	0.15	8.13	0.104	0	0	0	0	0	0	0	0
CC-J2923_5	10	0	0	9.46	0.53	0.11	8.54	0.053	0	0	0	0	0	0	0	0
CC-J3001_4	10	0	0	5.42	4.58	0.55	43.19	0.458	0	0	0	0	0	0	0	0
CC-J60_1	10	0	0	5.26	4.73	0.79	48.85	0.473	0	0	0	0	0	0	0	0
CC-J2978_1	10	0	0	9.93	0.07	0.01	0.28	0.007	0	0	0	0	0	0	0	0
CC-J2991	10	0	0	7.64	2.36	0.45	40.87	0.236	0	0	0	0	0	0	0	0
CC-J2971_1	10	0	0	9.98	0.02	0	0.46	0.002	0	0	0	0	0	0	0	0
CC-MASJ2948	10	0	0	5.05	4.94	1.45	107.52	0.494	0	0	0	0	0	0	0	0
CC-J45	10	0	0	4.06	5.93	0.56	36.41	0.593	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
BC-1793_1	10	0	0	4.75	5.24	0.74	49.94	0.524	0	0	0	0	0	0	0	0
CC-J2971_2	10	0	0	9.58	0.42	0.03	2.35	0.042	0	0	0	0	0	0	0	0
BC-1797_1	10	0	0	5.8	4.2	0.54	34.85	0.42	0	0	0	0	0	0	0	0
CC-J47_2	10	0	0	7.21	2.79	0.23	23.83	0.279	0	0	0	0	0	0	0	0
CC-J68	10	0	0	5.22	4.78	1.27	83.44	0.478	0	0	0	0	0	0	0	0
BC-1770_2	10	0	0	5.16	4.84	0.66	41.79	0.484	0	0	0	0	0	0	0	0
BC-1795	10	0	0	5.74	4.26	0.59	40.69	0.426	0	0	0	0	0	0	0	0
CC-J2832_4	10	0	0	9.93	0.07	0.01	1.41	0.007	0	0	0	0	0	0	0	0
CC-J1776_3	10	0	0	6.7	3.3	0.79	67.59	0.33	0	0	0	0	0	0	0	0
CC-J1842_1	10	0	0	7.46	2.53	0.84	82.67	0.253	0	0	0	0	0	0	0	0
CC-J2832_5	10	0	0	8.77	1.23	0.1	13.27	0.123	0	0	0	0	0	0	0	0
CC-MASJ1803	10	0	0	3.84	6.15	0.85	44.18	0.615	0	0	0	0	0	0	0	0
BC-1793_2	10	0	0	4.72	5.28	0.64	45.31	0.528	0	0	0	0	0	0	0	0
CC-J2971_3	10	0	0	9.96	0.04	0	1.25	0.004	0	0	0	0	0	0	0	0
CC-M33042417	10	0	0	9.42	0.58	0.04	8.91	0.058	0	0	0	0	0	0	0	0
BC-1797_2	10	0	0	5.46	4.54	0.61	41.6	0.454	0	0	0	0	0	0	0	0
BC-1817_1	10	0	0	3.98	6.02	0.63	44.61	0.602	0	0	0	0	0	0	0	0
CC-MASJ108	10	0	0	4.21	5.78	0.52	30.54	0.578	0	0	0	0	0	0	0	0
CC-J1815	10	0	0	5.28	4.71	0.78	68.04	0.471	0	0	0	0	0	0	0	0
CC-MASJ110	10	0	0	3.68	6.31	0.86	50.51	0.631	0	0	0	0	0	0	0	0
CC-J2978_2	10	0	0	9.15	0.85	0.04	7.44	0.085	0	0	0	0	0	0	0	0
CC-J2971_4	10	0	0	8.24	1.76	0.24	30.65	0.176	0	0	0	0	0	0	0	0
BC-1817_2	10	0	0	3.68	6.31	0.71	46.14	0.631	0	0	0	0	0	0	0	0
CC-J1846_1	10	0	0	4.08	5.92	1.06	61.5	0.592	0	0	0	0	0	0	0	0
CC-J1846_2	10	0	0	3.98	6.02	1.77	108.57	0.602	0	0	0	0	0	0	0	0
CC-J2971_5	10	0	0	4.97	5.03	2.39	168.73	0.503	0	0	0	0	0	0	0	0
CC-J2846_3	10	0	0	9.95	0.05	0	1.21	0.005	0	0	0	0	0	0	0	0
CC-J2832_6	10	0	0	4.62	5.37	0.65	49.84	0.537	0	0	0	0	0	0	0	0
CC-J2832_7	10	0	0	9.73	0.28	0.02	5.37	0.028	0	0	0	0	0	0	0	0
BC-3524	10	0	0	5.41	4.59	0.42	33.68	0.459	0	0	0	0	0	0	0	0
CC-MASJ1801	10	0	0	3.64	6.35	0.51	34.33	0.635	0	0	0	0	0	0	0	0
CC-J2923_6	10	0	0	9.25	0.75	0.12	21.94	0.075	0	0	0	0	0	0	0	0
CC-J2832_8	10	0	0	5.91	4.09	0.45	44.69	0.409	0	0	0	0	0	0	0	0
CC-J2846_4	10	0	0	7.08	2.92	0.19	20.69	0.292	0	0	0	0	0	0	0	0
CC-J1844_1	10	0	0	4.34	5.66	0.56	43.67	0.566	0	0	0	0	0	0	0	0
CC-J2846_5	10	0	0	6.61	3.38	0.42	33.11	0.338	0	0	0	0	0	0	0	0
CC-J1831_1	10	0	0	5.01	4.98	0.37	31.86	0.498	0	0	0	0	0	0	0	0
BC-1817_3	10	0	0	3.85	6.15	0.46	30.3	0.615	0	0	0	0	0	0	0	0
CC-J1848_1	10	0	0	4.13	5.86	0.45	26.33	0.586	0	0	0	0	0	0	0	0
CC-J1848_2	10	0	0	3.95	6.04	0.86	51.05	0.604	0	0	0	0	0	0	0	0
CC-J2832_9	10	0	0	8.65	1.35	0.15	22.28	0.135	0	0	0	0	0	0	0	0
BC-1824_2	10	0	0	4.13	5.87	0.49	33.65	0.587	0	0	0	0	0	0	0	0
BC-1824_3	10	0	0	4.17	5.83	0.42	27.92	0.583	0	0	0	0	0	0	0	0
CC-J2835	10	0	0	4.89	5.11	0.37	26.05	0.511	0	0	0	0	0	0	0	0
CC-J60_2	10	0	0	3.56	6.42	0.84	42.1	0.642	0	0	0	0	0	0	0	0
CC-J1838	10	0	0	3.85	6.14	0.5	32.83	0.614	0	0	0	0	0	0	0	0
CC-J2923_7	10	0	0	8.18	1.82	0.4	58.12	0.182	0	0	0	0	0	0	0	0
BC-3557	10	0	0	5.49	4.51	0.59	40.78	0.451	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1829_1	10	0	0	4.06	5.93	0.42	25.71	0.593	0	0	0	0	0	0	0	0
CC-J2832_10	10	0	0	3.81	6.19	0.46	32.2	0.619	0	0	0	0	0	0	0	0
CC-J1829_2	10	0	0	4.55	5.45	0.6	34.71	0.545	0	0	0	0	0	0	0	0
BC-3561	10	0	0	5.56	4.44	0.43	15.25	0.444	0	0	0	0	0	0	0	0
BC-3564	10	0	0	5.69	4.31	0.37	28.49	0.431	0	0	0	0	0	0	0	0
CC-MASJ114	10	0	0	3.33	6.66	1.05	62.44	0.666	0	0	0	0	0	0	0	0
CC-J1842_2	10	0	0	5.78	4.21	0.32	23.2	0.421	0	0	0	0	0	0	0	0
CC-J1891_1	10	0	0	5.55	4.45	0.52	41.62	0.445	0	0	0	0	0	0	0	0
CC-J1831_2	10	0	0	6.17	3.83	0.73	40.21	0.383	0	0	0	0	0	0	0	0
CC-J1894	10	0	0	5.67	4.32	0.6	39.11	0.432	0	0	0	0	0	0	0	0
CC-J1850	10	0	0	4.17	5.83	0.47	34.99	0.583	0	0	0	0	0	0	0	0
CC-J1846_3	10	0	0	4.06	5.94	1	64.18	0.594	0	0	0	0	0	0	0	0
CC-J1842_3	10	0	0	6.26	3.74	0.67	52.43	0.374	0	0	0	0	0	0	0	0
CC-J1885_1	10	0	0	3.97	6.03	0.65	43.49	0.603	0	0	0	0	0	0	0	0
CC-J1852	10	0	0	4.09	5.91	0.32	22.37	0.591	0	0	0	0	0	0	0	0
CC-J1844_2	10	0	0	4.03	5.97	0.94	58.17	0.597	0	0	0	0	0	0	0	0
CC-J1881_1	10	0	0	4.01	5.99	0.9	54.89	0.599	0	0	0	0	0	0	0	0
CC-J1829_3	10	0	0	3.71	6.28	1.12	64.42	0.628	0	0	0	0	0	0	0	0
CC-J1871	10	0	0	4.14	5.86	0.72	48.29	0.586	0	0	0	0	0	0	0	0
CC-J1866_1	10	0	0	4.02	5.97	0.23	16.28	0.597	0	0	0	0	0	0	0	0
CC-J1881_2	10	0	0	4.38	5.63	1	68.15	0.563	0	0	0	0	0	0	0	0
CC-J1866_2	10	0	0	3.55	6.43	1.22	73.51	0.643	0	0	0	0	0	0	0	0
CC-J1866_3	10	0	0	3.4	6.59	1.08	68.81	0.659	0	0	0	0	0	0	0	0
CC-J1883	10	0	0	3.8	6.2	0.49	32.12	0.62	0	0	0	0	0	0	0	0
CC-J1855	10	0	0	4.39	5.6	0.45	30.75	0.56	0	0	0	0	0	0	0	0
CC-J1858	10	0	0	3.71	6.28	1.05	64.99	0.628	0	0	0	0	0	0	0	0
BC-3605	10	0	0	4.46	5.54	0.5	37.68	0.554	0	0	0	0	0	0	0	0
BC-3606	10	0	0	4.95	5.05	0.43	28.2	0.505	0	0	0	0	0	0	0	0
CC-J1889	10	0	0	5.24	4.75	0.48	31.42	0.475	0	0	0	0	0	0	0	0
CC-J2851_1	10	0	0	4.31	5.69	1.51	94.03	0.569	0	0	0	0	0	0	0	0
CC-J1860	10	0	0	4.13	5.86	0.78	47.7	0.586	0	0	0	0	0	0	0	0
CC-J1873_1	10	0	0	2.94	7.05	0.66	43.5	0.705	0	0	0	0	0	0	0	0
CC-J1900_1	10	0	0	4.08	5.92	0.43	26.6	0.592	0	0	0	0	0	0	0	0
CC-J1879_1	10	0	0	3.94	6.05	0.36	22.6	0.605	0	0	0	0	0	0	0	0
CC-J1907	10	0	0	5.68	4.32	0.62	49.9	0.432	0	0	0	0	0	0	0	0
CC-J1896	10	0	0	3.91	6.08	1.29	91.17	0.608	0	0	0	0	0	0	0	0
BC-3627	10	0	0	4.15	5.85	1.33	79.23	0.585	0	0	0	0	0	0	0	0
CC-J1873_2	10	0	0	3.96	6.04	0.87	59.38	0.604	0	0	0	0	0	0	0	0
CC-J1885_2	10	0	0	4.04	5.95	0.85	55.03	0.595	0	0	0	0	0	0	0	0
CC-J1885_3	10	0	0	3.95	6.05	0.47	30.26	0.605	0	0	0	0	0	0	0	0
CC-J1909_1	10	0	0	6.32	3.68	0.8	59.81	0.368	0	0	0	0	0	0	0	0
CC-J1905_1	10	0	0	4.11	5.89	1.53	99.03	0.589	0	0	0	0	0	0	0	0
CC-J1879_2	10	0	0	5.74	4.26	0.77	70.95	0.426	0	0	0	0	0	0	0	0
CC-J2851_2	10	0	0	4.49	5.51	0.42	25.38	0.551	0	0	0	0	0	0	0	0
BC-3638	10	0	0	4.95	5.05	1.03	59.9	0.505	0	0	0	0	0	0	0	0
CC-J1887	10	0	0	4.12	5.88	0.51	36.8	0.588	0	0	0	0	0	0	0	0
CC-J1891_2	10	0	0	5.49	4.5	0.31	27.26	0.45	0	0	0	0	0	0	0	0
CC-J1891_3	10	0	0	6.11	3.88	0.71	57.39	0.388	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2959	10	0	0	4.41	5.59	0.61	45.1	0.559	0	0	0	0	0	0	0	0
CC-J2860	10	0	0	4.01	5.99	0.89	61.85	0.599	0	0	0	0	0	0	0	0
CC-J2851_3	10	0	0	4.27	5.73	0.57	44.01	0.573	0	0	0	0	0	0	0	0
CC-J1947_1	10	0	0	6.41	3.59	0.31	28.78	0.359	0	0	0	0	0	0	0	0
CC-J2774	10	0	0	4.58	5.41	1.03	79.57	0.541	0	0	0	0	0	0	0	0
CC-J1900_2	10	0	0	4.22	5.78	0.87	62.82	0.578	0	0	0	0	0	0	0	0
CC-J1905_2	10	0	0	4.12	5.88	1.19	86.74	0.588	0	0	0	0	0	0	0	0
CC-J1905_3	10	0	0	3.99	6.01	0.44	32.93	0.601	0	0	0	0	0	0	0	0
CC-J1928_1	10	0	0	5.25	4.74	0.35	25.07	0.474	0	0	0	0	0	0	0	0
CC-J1926	10	0	0	4.04	5.96	0.49	37.18	0.596	0	0	0	0	0	0	0	0
BC-3668	10	0	0	4.15	5.85	1.29	85.45	0.585	0	0	0	0	0	0	0	0
CC-J3019	10	0	0	3.23	6.74	0.76	43.67	0.674	0	0	0	0	0	0	0	0
CC-J1928_2	10	0	0	6.35	3.65	0.5	40.26	0.365	0	0	0	0	0	0	0	0
CC-J1939	10	0	0	4.06	5.94	1.29	92.34	0.594	0	0	0	0	0	0	0	0
CC-J1909_2	10	0	0	6.68	3.32	0.3	28	0.332	0	0	0	0	0	0	0	0
CC-J1962_1	10	0	0	3.79	6.21	0.48	33.11	0.621	0	0	0	0	0	0	0	0
CC-J2829	10	0	0	4.74	5.25	1.09	65.5	0.525	0	0	0	0	0	0	0	0
CC-J3018	10	0	0	3.54	6.44	0.64	36.59	0.644	0	0	0	0	0	0	0	0
CC-J1917	10	0	0	6.03	3.97	0.82	68.77	0.397	0	0	0	0	0	0	0	0
CC-J2696	10	0	0	4.27	5.73	0.88	67.01	0.573	0	0	0	0	0	0	0	0
CC-J1971	10	0	0	3.77	6.23	1.45	98.32	0.623	0	0	0	0	0	0	0	0
CC-J1911	10	0	0	4.33	5.67	1	65.24	0.567	0	0	0	0	0	0	0	0
CC-J17_1	10	0	0	4.68	5.31	0.81	49.96	0.531	0	0	0	0	0	0	0	0
CC-J1922_1	10	0	0	4.46	5.52	0.47	27.09	0.552	0	0	0	0	0	0	0	0
CC-GR7_1	10	0	0	4.17	5.83	1.03	72.36	0.583	0	0	0	0	0	0	0	0
CC-J1920	10	0	0	3.92	6.07	0.67	41.94	0.607	0	0	0	0	0	0	0	0
CC-J1922_2	10	0	0	4.27	5.73	1.11	68.98	0.573	0	0	0	0	0	0	0	0
CC-J1922_3	10	0	0	4.46	5.54	0.99	63.34	0.554	0	0	0	0	0	0	0	0
CC-J1949_1	10	0	0	6.08	3.92	0.44	44.81	0.392	0	0	0	0	0	0	0	0
CC-J1962_2	10	0	0	3.99	6.01	0.85	52.06	0.601	0	0	0	0	0	0	0	0
CC-J1909_3	10	0	0	5.58	4.42	0.7	49.7	0.442	0	0	0	0	0	0	0	0
CC-J1941	10	0	0	6.24	3.76	0.39	32.58	0.376	0	0	0	0	0	0	0	0
CC-J17_2	10	0	0	5.34	4.65	0.4	27.8	0.465	0	0	0	0	0	0	0	0
CC-GR7_2	10	0	0	4.2	5.78	0.63	40.08	0.578	0	0	0	0	0	0	0	0
CC-J1985_1	10	0	0	5.91	4.09	0.29	26.02	0.409	0	0	0	0	0	0	0	0
CC-J2779	10	0	0	3.62	6.37	0.44	31.43	0.637	0	0	0	0	0	0	0	0
CC-J1932_1	10	0	0	3.8	6.2	1.14	67.62	0.62	0	0	0	0	0	0	0	0
CC-J1935	10	0	0	5.71	4.29	0.57	49.43	0.429	0	0	0	0	0	0	0	0
BC-3722	10	0	0	4.1	5.87	0.94	46.67	0.587	0	0	0	0	0	0	0	0
CC-J1964	10	0	0	4.27	5.73	0.46	33.78	0.573	0	0	0	0	0	0	0	0
CC-gr21_1	10	0	0	4.07	5.92	1.16	77.67	0.592	0	0	0	0	0	0	0	0
CC-J1947_2	10	0	0	5.4	4.59	0.8	66.31	0.459	0	0	0	0	0	0	0	0
CC-J1947_3	10	0	0	5.64	4.35	0.41	37.43	0.435	0	0	0	0	0	0	0	0
BC-3734	10	0	0	4.02	5.98	0.37	22.54	0.598	0	0	0	0	0	0	0	0
CC-J1945	10	0	0	4.08	5.92	0.61	30.39	0.592	0	0	0	0	0	0	0	0
CC-J1932_2	10	0	0	3.27	6.72	1.34	83.34	0.672	0	0	0	0	0	0	0	0
CC-J1991_1	10	0	0	6.75	3.25	0.29	33.61	0.325	0	0	0	0	0	0	0	0
CC-J1966_1	10	0	0	5.16	4.84	0.34	26.88	0.484	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J1966_2	10	0	0	5.23	4.77	0.48	35.57	0.477	0	0	0	0	0	0	0	0
CC-J1989	10	0	0	4.15	5.85	0.59	41.67	0.585	0	0	0	0	0	0	0	0
CC-J1949_2	10	0	0	4.39	5.6	0.8	55.71	0.56	0	0	0	0	0	0	0	0
CC-gr21_2	10	0	0	4.12	5.88	0.86	55.65	0.588	0	0	0	0	0	0	0	0
CC-J1956	10	0	0	3.8	6.2	0.84	53.41	0.62	0	0	0	0	0	0	0	0
CC-J1985_2	10	0	0	6.31	3.69	0.38	26.72	0.369	0	0	0	0	0	0	0	0
CC-J24	10	0	0	5.8	4.2	0.74	53.11	0.42	0	0	0	0	0	0	0	0
CC-gr16	10	0	0	3.94	6.06	0.88	63.27	0.606	0	0	0	0	0	0	0	0
BC-3765	10	0	0	4.27	5.73	0.82	49.76	0.573	0	0	0	0	0	0	0	0
CC-J1991_2	10	0	0	4.87	5.13	1.14	80.49	0.513	0	0	0	0	0	0	0	0
CC-J2001_1	10	0	0	4.74	5.26	0.62	43.54	0.526	0	0	0	0	0	0	0	0
CC-J2694	10	0	0	3.76	6.24	0.49	34.85	0.624	0	0	0	0	0	0	0	0
CC-J1987	10	0	0	5.5	4.5	0.48	37.64	0.45	0	0	0	0	0	0	0	0
CC-J1997_1	10	0	0	4.12	5.88	0.49	36.23	0.588	0	0	0	0	0	0	0	0
CC-J20_1	10	0	0	5.86	4.13	0.27	21.84	0.413	0	0	0	0	0	0	0	0
CC-J2011_1	10	0	0	6.17	3.83	0.5	36.3	0.383	0	0	0	0	0	0	0	0
CC-J1997_2	10	0	0	4.07	5.93	1.23	83	0.593	0	0	0	0	0	0	0	0
CC-J20_2	10	0	0	4.95	5.05	0.59	36.22	0.505	0	0	0	0	0	0	0	0
CC-J2003	10	0	0	3.84	6.16	0.76	50.47	0.616	0	0	0	0	0	0	0	0
CC-J2005	10	0	0	6.14	3.86	0.58	49.19	0.386	0	0	0	0	0	0	0	0
CC-J2016	10	0	0	5.29	4.69	0.36	28.32	0.469	0	0	0	0	0	0	0	0
CC-J2022	10	0	0	3.54	6.45	1.1	66.13	0.645	0	0	0	0	0	0	0	0
CC-J2011_2	10	0	0	5	4.99	0.68	49.51	0.499	0	0	0	0	0	0	0	0
BC-3801	10	0	0	4.34	5.66	0.84	54.35	0.566	0	0	0	0	0	0	0	0
CC-J2776	10	0	0	5.49	4.51	0.99	87.64	0.451	0	0	0	0	0	0	0	0
CC-J2001_2	10	0	0	4.35	5.63	0.85	58.47	0.563	0	0	0	0	0	0	0	0
CC-J27_1	10	0	0	5.65	4.34	0.46	35.96	0.434	0	0	0	0	0	0	0	0
CC-J2030	10	0	0	4.99	5.01	0.89	72.45	0.501	0	0	0	0	0	0	0	0
CC-J2043_1	10	0	0	3.54	6.45	0.51	31.75	0.645	0	0	0	0	0	0	0	0
CC-J2032_1	10	0	0	5.81	4.19	0.57	52.35	0.419	0	0	0	0	0	0	0	0
CC-J27_2	10	0	0	4.78	5.22	0.42	29.47	0.522	0	0	0	0	0	0	0	0
CC-J2018_1	10	0	0	3.12	6.84	0.69	42.43	0.684	0	0	0	0	0	0	0	0
CC-J2024_1	10	0	0	5.63	4.36	0.76	55.18	0.436	0	0	0	0	0	0	0	0
CC-J2020_1	10	0	0	3.51	6.46	0.79	45.02	0.646	0	0	0	0	0	0	0	0
CC-J2823_1	10	0	0	5.38	4.61	0.35	31.89	0.461	0	0	0	0	0	0	0	0
CC-J2737_1	10	0	0	5.56	4.44	0.68	65	0.444	0	0	0	0	0	0	0	0
CC-J2737_2	10	0	0	3.94	6.04	0.57	39.44	0.604	0	0	0	0	0	0	0	0
CC-J2043_2	10	0	0	3.78	6.22	0.78	49.53	0.622	0	0	0	0	0	0	0	0
CC-gr14	10	0	0	3.91	6.09	0.66	44.47	0.609	0	0	0	0	0	0	0	0
CC-J2034_1	10	0	0	5.72	4.27	0.41	39.56	0.427	0	0	0	0	0	0	0	0
CC-J2045_1	10	0	0	4.34	5.66	0.67	51.98	0.566	0	0	0	0	0	0	0	0
CC-J2020_2	10	0	0	4.23	5.77	2.12	127.63	0.577	0	0	0	0	0	0	0	0
CC-J2020_3	10	0	0	3.4	6.59	0.63	40.86	0.659	0	0	0	0	0	0	0	0
CC-J14	10	0	0	5.53	4.47	0.64	48.69	0.447	0	0	0	0	0	0	0	0
CC-J2032_2	10	0	0	5.95	4.05	0.31	28.99	0.405	0	0	0	0	0	0	0	0
CC-J2753	10	0	0	3.82	6.18	0.97	68.15	0.618	0	0	0	0	0	0	0	0
UT1-2944_1	10	0	0	4.59	5.41	0.88	56.6	0.541	0	0	0	0	0	0	0	0
BC-3839	10	0	0	4.03	5.97	0.56	37.04	0.597	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2823_2	10	0	0	4.69	5.3	0.89	54.99	0.53	0	0	0	0	0	0	0	0
CC-J2058	10	0	0	4.16	5.83	1.36	74.32	0.583	0	0	0	0	0	0	0	0
CC-J2705	10	0	0	3.38	6.61	0.57	37.14	0.661	0	0	0	0	0	0	0	0
CC-J2050_1	10	0	0	3.66	6.33	0.57	36.19	0.633	0	0	0	0	0	0	0	0
CC-J2018_2	10	0	0	3.94	6.05	1.18	78.52	0.605	0	0	0	0	0	0	0	0
CC-J2024_2	10	0	0	5.63	4.37	0.53	40.93	0.437	0	0	0	0	0	0	0	0
CC-J2034_2	10	0	0	4.94	5.05	0.53	37.65	0.505	0	0	0	0	0	0	0	0
CC-J2024_3	10	0	0	6.27	3.73	0.3	25.9	0.373	0	0	0	0	0	0	0	0
UT1-2944_2	10	0	0	4.53	5.47	0.72	56.99	0.547	0	0	0	0	0	0	0	0
CC-J2050_2	10	0	0	3.49	6.5	0.61	39.23	0.65	0	0	0	0	0	0	0	0
CC-J2045_2	10	0	0	4.06	5.94	0.69	49.92	0.594	0	0	0	0	0	0	0	0
CC-J2050_3	10	0	0	4.24	5.75	0.91	63.62	0.575	0	0	0	0	0	0	0	0
UT9-1_1	10	0	0	5.81	4.18	0.35	30.82	0.418	0	0	0	0	0	0	0	0
CC-J2071	10	0	0	3.47	6.52	0.7	43.73	0.652	0	0	0	0	0	0	0	0
UT9-1_2	10	0	0	6.25	3.75	0.57	60.55	0.375	0	0	0	0	0	0	0	0
UT9-104_1	10	0	0	5.88	4.11	0.95	60.49	0.411	0	0	0	0	0	0	0	0
CC-J2803	10	0	0	4.35	5.65	0.67	52.22	0.565	0	0	0	0	0	0	0	0
UT9-106_1	10	0	0	4.8	5.19	0.98	58.59	0.519	0	0	0	0	0	0	0	0
UT9-106_2	10	0	0	4.98	5.02	1.46	92.14	0.502	0	0	0	0	0	0	0	0
UT9-106_3	10	0	0	5.7	4.29	0.3	21.21	0.429	0	0	0	0	0	0	0	0
CC-J2087	10	0	0	5.02	4.98	1.23	97.72	0.498	0	0	0	0	0	0	0	0
CC-J2024_4	10	0	0	3.79	6.19	0.44	31.79	0.619	0	0	0	0	0	0	0	0
CC-J2060	10	0	0	5.96	4.04	1.12	77.94	0.404	0	0	0	0	0	0	0	0
UT1-2802	10	0	0	2.51	7.47	0.57	33.66	0.747	0	0	0	0	0	0	0	0
UT9-1_3	10	0	0	5.92	4.08	0.53	39.06	0.408	0	0	0	0	0	0	0	0
CC-J2692	10	0	0	3.42	6.58	1.2	81.43	0.658	0	0	0	0	0	0	0	0
CC-J2096	10	0	0	4.31	5.68	0.53	34.09	0.568	0	0	0	0	0	0	0	0
CC-J2112_1	10	0	0	4.29	5.71	1.39	95.37	0.571	0	0	0	0	0	0	0	0
UT1-2098_1	10	0	0	4.14	5.86	0.9	60.81	0.586	0	0	0	0	0	0	0	0
UT2-2107_1	10	0	0	4.25	5.74	0.63	39.06	0.574	0	0	0	0	0	0	0	0
BC-3906	10	0	0	4.09	5.87	0.87	41.56	0.587	0	0	0	0	0	0	0	0
CC-J3020	10	0	0	3.82	6.17	1.2	71.41	0.617	0	0	0	0	0	0	0	0
UT9-109_1	10	0	0	6.36	3.64	1.13	89.99	0.364	0	0	0	0	0	0	0	0
CC-J1	10	0	0	4.71	5.28	0.59	39.77	0.528	0	0	0	0	0	0	0	0
CC-J2076_1	10	0	0	4.08	5.92	1.05	57.49	0.592	0	0	0	0	0	0	0	0
CC-J2997	10	0	0	4.14	5.85	0.68	44.36	0.585	0	0	0	0	0	0	0	0
UT2-2107_2	10	0	0	4.21	5.78	0.54	30.41	0.578	0	0	0	0	0	0	0	0
UT9-9	10	0	0	6.82	3.18	0.45	48.01	0.318	0	0	0	0	0	0	0	0
UT9-6_1	10	0	0	6.78	3.22	0.23	27.04	0.322	0	0	0	0	0	0	0	0
CC-J2995_1	10	0	0	4.32	5.68	1.09	73.8	0.568	0	0	0	0	0	0	0	0
UT9-104_2	10	0	0	6.28	3.72	0.26	21.13	0.372	0	0	0	0	0	0	0	0
UT9-104_3	10	0	0	6.36	3.63	0.39	30.89	0.363	0	0	0	0	0	0	0	0
UT9-5_1	10	0	0	5.22	4.77	0.63	47.74	0.477	0	0	0	0	0	0	0	0
CC-J2076_2	10	0	0	3.96	6.04	0.47	33.37	0.604	0	0	0	0	0	0	0	0
CC-J2101_1	10	0	0	4.53	5.47	1.21	55.42	0.547	0	0	0	0	0	0	0	0
UT9-90_1	10	0	0	5.41	4.58	0.9	62.96	0.458	0	0	0	0	0	0	0	0
UT1-2089_1	10	0	0	4.5	5.5	0.43	30.12	0.55	0	0	0	0	0	0	0	0
UT9-106_4	10	0	0	6.09	3.91	0.36	29.45	0.391	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT9-3	10	0	0	6.5	3.5	0.36	38.8	0.35	0	0	0	0	0	0	0	0
UT1-2089_2	10	0	0	4.69	5.31	1.22	76.59	0.531	0	0	0	0	0	0	0	0
CC-J2116_1	10	0	0	5.48	4.51	0.97	75.55	0.451	0	0	0	0	0	0	0	0
UT2-2125	10	0	0	4.72	5.28	1.04	78.04	0.528	0	0	0	0	0	0	0	0
UT2-2107_3	10	0	0	4.41	5.6	0.6	45.37	0.56	0	0	0	0	0	0	0	0
UT2-2107_4	10	0	0	4.87	5.13	0.44	30.15	0.513	0	0	0	0	0	0	0	0
CC-J2103_1	10	0	0	5.55	4.44	0.62	49.75	0.444	0	0	0	0	0	0	0	0
CC-J2094_1	10	0	0	3.45	6.54	0.78	44.75	0.654	0	0	0	0	0	0	0	0
CC-J2094_2	10	0	0	4.07	5.92	0.33	24.59	0.592	0	0	0	0	0	0	0	0
UT9-92_1	10	0	0	4.65	5.35	1.38	95.3	0.535	0	0	0	0	0	0	0	0
CC-J2101_2	10	0	0	4.4	5.6	0.58	38.33	0.56	0	0	0	0	0	0	0	0
UT9-151	10	0	0	5.24	4.75	0.44	29.8	0.475	0	0	0	0	0	0	0	0
UT9-5_2	10	0	0	5.29	4.7	0.42	33.23	0.47	0	0	0	0	0	0	0	0
CC-J2101_3	10	0	0	4.25	5.75	0.42	26.09	0.575	0	0	0	0	0	0	0	0
UT1-2098_2	10	0	0	4.49	5.5	0.51	31.05	0.55	0	0	0	0	0	0	0	0
UT9-109_2	10	0	0	5.03	4.97	0.32	21.71	0.497	0	0	0	0	0	0	0	0
UT9-114	10	0	0	6.61	3.39	0.89	71.9	0.339	0	0	0	0	0	0	0	0
CC-J2103_2	10	0	0	5.62	4.38	0.3	26.63	0.438	0	0	0	0	0	0	0	0
UT9-2_1	10	0	0	6.55	3.45	0.43	39.07	0.345	0	0	0	0	0	0	0	0
UT2-2107_5	10	0	0	4.52	5.46	0.63	35.28	0.546	0	0	0	0	0	0	0	0
CC-J2116_2	10	0	0	5.98	4.02	0.31	27.8	0.402	0	0	0	0	0	0	0	0
CC-J2116_3	10	0	0	5.06	4.94	0.4	32.37	0.494	0	0	0	0	0	0	0	0
CC-J2112_2	10	0	0	4.3	5.7	0.39	21.92	0.57	0	0	0	0	0	0	0	0
UT1-2121	10	0	0	4.51	5.49	0.65	40.13	0.549	0	0	0	0	0	0	0	0
CC-J2114_1	10	0	0	3.71	6.28	0.52	32.22	0.628	0	0	0	0	0	0	0	0
CC-J2140	10	0	0	5.03	4.97	0.41	34.19	0.497	0	0	0	0	0	0	0	0
UT9-109_3	10	0	0	6.12	3.88	0.53	49.7	0.388	0	0	0	0	0	0	0	0
CC-MASJ2149	10	0	0	4.88	5.12	0.61	43.98	0.512	0	0	0	0	0	0	0	0
CC-J2123	10	0	0	4.09	5.9	0.46	31.82	0.59	0	0	0	0	0	0	0	0
UT1-2878_1	10	0	0	3.68	6.32	0.33	21.92	0.632	0	0	0	0	0	0	0	0
CC-J2136_1	10	0	0	5.49	4.51	0.44	37.24	0.451	0	0	0	0	0	0	0	0
UT9-4_1	10	0	0	5.88	4.12	0.39	33.86	0.412	0	0	0	0	0	0	0	0
UT2-2134	10	0	0	4.46	5.54	0.59	35.82	0.554	0	0	0	0	0	0	0	0
CC-J2160_1	10	0	0	3.82	6.16	0.85	44.49	0.616	0	0	0	0	0	0	0	0
CC-J2114_2	10	0	0	4.52	5.47	0.57	32.79	0.547	0	0	0	0	0	0	0	0
CC-J2995_2	10	0	0	4.18	5.81	0.48	27.88	0.581	0	0	0	0	0	0	0	0
CC-J2136_2	10	0	0	5.44	4.56	0.4	36.91	0.456	0	0	0	0	0	0	0	0
UT1-2183	10	0	0	4.49	5.51	1.46	108.19	0.551	0	0	0	0	0	0	0	0
CC-J2136_3	10	0	0	5.87	4.13	0.31	30.89	0.413	0	0	0	0	0	0	0	0
UT2-2153	10	0	0	4.75	5.25	0.47	30.96	0.525	0	0	0	0	0	0	0	0
CC-J2158	10	0	0	4.08	5.92	0.57	36.41	0.592	0	0	0	0	0	0	0	0
CC-MASJ2814	10	0	0	3.82	6.17	0.17	12.04	0.617	0	0	0	0	0	0	0	0
UT6-11_1	10	0	0	3.93	6.05	0.59	37.19	0.605	0	0	0	0	0	0	0	0
CC-MASJ2187	10	0	0	4.97	5.03	1.02	73.47	0.503	0	0	0	0	0	0	0	0
UT9-12	10	0	0	6.1	3.9	1.41	134.49	0.39	0	0	0	0	0	0	0	0
CC-J2160_2	10	0	0	4.21	5.77	0.47	24.7	0.577	0	0	0	0	0	0	0	0
UT1-2878_2	10	0	0	4.16	5.84	0.76	55.74	0.584	0	0	0	0	0	0	0	0
UT1-2878_3	10	0	0	4.54	5.44	0.6	32.07	0.544	0	0	0	0	0	0	0	0

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Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
CC-J2170_1	10	0	0	4.04	5.95	0.93	54.91	0.595	0	0	0	0	0	0	0	0
CC-J2170_2	10	0	0	4.58	5.42	0.39	25.2	0.542	0	0	0	0	0	0	0	0
UT2-2162_1	10	0	0	4.49	5.5	0.61	36.58	0.55	0	0	0	0	0	0	0	0
CC-J2174	10	0	0	4.06	5.94	0.41	24.78	0.594	0	0	0	0	0	0	0	0
UT9-92_2	10	0	0	5.69	4.31	0.36	27.15	0.431	0	0	0	0	0	0	0	0
UT9-18_1	10	0	0	6.69	3.31	0.44	52.6	0.331	0	0	0	0	0	0	0	0
UT9-101_1	10	0	0	4.42	5.57	0.69	44.99	0.557	0	0	0	0	0	0	0	0
UT9-6_2	10	0	0	6.39	3.61	0.54	49.31	0.361	0	0	0	0	0	0	0	0
CC-J2185_1	10	0	0	4.26	5.74	0.62	37.35	0.574	0	0	0	0	0	0	0	0
CC-J2729	10	0	0	3.96	6.04	0.58	38.7	0.604	0	0	0	0	0	0	0	0
CC-MASJ2703_1	10	0	0	4.72	5.28	0.56	46.23	0.528	0	0	0	0	0	0	0	0
UT9-7	10	0	0	6.29	3.71	0.39	35.13	0.371	0	0	0	0	0	0	0	0
UT2-2162_2	10	0	0	4.43	5.57	0.54	37.85	0.557	0	0	0	0	0	0	0	0
UT1-2197	10	0	0	4.73	5.27	0.89	69.6	0.527	0	0	0	0	0	0	0	0
UT2-2220	10	0	0	4.41	5.59	1.4	97.07	0.559	0	0	0	0	0	0	0	0
CC-J2170_3	10	0	0	4.48	5.52	0.45	28.19	0.552	0	0	0	0	0	0	0	0
UT6-19_1	10	0	0	5.49	4.51	0.58	46.24	0.451	0	0	0	0	0	0	0	0
CC-MASJ2703_2	10	0	0	3.92	6.08	0.43	29.87	0.608	0	0	0	0	0	0	0	0
UT9-92_3	10	0	0	6.2	3.8	0.44	39.64	0.38	0	0	0	0	0	0	0	0
UT9-8	10	0	0	5.52	4.47	0.4	33.55	0.447	0	0	0	0	0	0	0	0
UT1-2243_1	10	0	0	4.64	5.36	0.61	36.64	0.536	0	0	0	0	0	0	0	0
CC-MASJ2191	10	0	0	4.8	5.19	0.86	63.91	0.519	0	0	0	0	0	0	0	0
UT9-2_2	10	0	0	6.59	3.41	0.38	36.38	0.341	0	0	0	0	0	0	0	0
CC-J2227_1	10	0	0	4.16	5.84	1.05	76.06	0.584	0	0	0	0	0	0	0	0
CC-J2185_2	10	0	0	4.18	5.82	1.18	69.73	0.582	0	0	0	0	0	0	0	0
CC-J2216_1	10	0	0	4.06	5.91	0.73	37.74	0.591	0	0	0	0	0	0	0	0
CC-J2227_2	10	0	0	3.92	6.08	0.48	31.86	0.608	0	0	0	0	0	0	0	0
UT9-4_2	10	0	0	6.46	3.54	0.83	82.51	0.354	0	0	0	0	0	0	0	0
UT9-10	10	0	0	5.86	4.14	0.74	54.36	0.414	0	0	0	0	0	0	0	0
CC-J2214	10	0	0	4.3	5.69	0.92	52.91	0.569	0	0	0	0	0	0	0	0
CC-J2237_1	10	0	0	3.61	6.39	0.84	58.1	0.639	0	0	0	0	0	0	0	0
UT9-13_1	10	0	0	6.12	3.88	0.48	33.97	0.388	0	0	0	0	0	0	0	0
UT1-2207	10	0	0	4.39	5.61	0.85	54.47	0.561	0	0	0	0	0	0	0	0
CC-J2223_1	10	0	0	4.15	5.84	0.4	25.07	0.584	0	0	0	0	0	0	0	0
UT6-11_2	10	0	0	6.07	3.93	1.73	137.24	0.393	0	0	0	0	0	0	0	0
CC-J2807	10	0	0	4.4	5.6	0.71	51.78	0.56	0	0	0	0	0	0	0	0
UT9-13_2	10	0	0	5.41	4.59	0.64	48.2	0.459	0	0	0	0	0	0	0	0
UT9-90_2	10	0	0	6.65	3.35	0.36	36.22	0.335	0	0	0	0	0	0	0	0
UT6-19_2	10	0	0	5.24	4.74	0.58	41.39	0.474	0	0	0	0	0	0	0	0
UT6-19_3	10	0	0	5.61	4.38	0.42	35.82	0.438	0	0	0	0	0	0	0	0
UT6-109	10	0	0	6.39	3.61	0.5	42.5	0.361	0	0	0	0	0	0	0	0
UT1-2243_2	10	0	0	3.79	6.2	0.77	51.35	0.62	0	0	0	0	0	0	0	0
UT1-2243_3	10	0	0	4.66	5.33	0.62	45.21	0.533	0	0	0	0	0	0	0	0
CC-J2246	10	0	0	4.21	5.78	0.61	46.68	0.578	0	0	0	0	0	0	0	0
UT6-11_3	10	0	0	5.83	4.17	0.36	34.62	0.417	0	0	0	0	0	0	0	0
UT9-18_2	10	0	0	6.2	3.81	0.3	25.49	0.381	0	0	0	0	0	0	0	0
CC-J2290_1	10	0	0	4.26	5.74	0.81	52.26	0.574	0	0	0	0	0	0	0	0
UT9-18_3	10	0	0	6.32	3.68	0.36	33.33	0.368	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT1-2250_1	10	0	0	4.12	5.87	1.75	122.86	0.587	0	0	0	0	0	0	0	0
CC-J2223_2	10	0	0	4.63	5.37	0.68	41.2	0.537	0	0	0	0	0	0	0	0
UT9-90_3	10	0	0	5.77	4.23	0.31	28.92	0.423	0	0	0	0	0	0	0	0
UT6-19_4	10	0	0	6.31	3.69	0.6	46.71	0.369	0	0	0	0	0	0	0	0
CC-J2216_2	10	0	0	4.47	5.53	0.76	45.66	0.553	0	0	0	0	0	0	0	0
UT4-170	10	0	0	4.29	5.71	1.6	101.47	0.571	0	0	0	0	0	0	0	0
CC-J3_1	10	0	0	3.48	6.51	0.7	46.17	0.651	0	0	0	0	0	0	0	0
UT9-92_4	10	0	0	5.8	4.2	0.45	39.86	0.42	0	0	0	0	0	0	0	0
UT2-2252_1	10	0	0	4.49	5.5	0.5	29.48	0.55	0	0	0	0	0	0	0	0
CC-J2272	10	0	0	4.07	5.92	0.55	33.09	0.592	0	0	0	0	0	0	0	0
CC-J2269	10	0	0	4.22	5.78	1.13	68.67	0.578	0	0	0	0	0	0	0	0
CC-J2237_2	10	0	0	4.74	5.26	0.6	45.83	0.526	0	0	0	0	0	0	0	0
UT9-90_4	10	0	0	6.26	3.74	0.48	38.25	0.374	0	0	0	0	0	0	0	0
UT9-92_5	10	0	0	5.96	4.04	0.75	64.77	0.404	0	0	0	0	0	0	0	0
UT2-2252_2	10	0	0	4.36	5.64	0.79	55.61	0.564	0	0	0	0	0	0	0	0
UT2-2252_3	10	0	0	4.48	5.52	0.75	47.81	0.552	0	0	0	0	0	0	0	0
UT6-152	10	0	0	6.61	3.38	0.63	59.13	0.338	0	0	0	0	0	0	0	0
UT1-2250_2	10	0	0	3.88	6.11	0.83	46.71	0.611	0	0	0	0	0	0	0	0
UT9-86_1	10	0	0	6.32	3.68	0.76	74.73	0.368	0	0	0	0	0	0	0	0
CC-J2274	10	0	0	3.91	6.09	0.62	40.91	0.609	0	0	0	0	0	0	0	0
UT9-92_6	10	0	0	6.53	3.47	0.71	61.28	0.347	0	0	0	0	0	0	0	0
UT9-101_2	10	0	0	5.51	4.48	0.46	39.29	0.448	0	0	0	0	0	0	0	0
UT9-101_3	10	0	0	5.81	4.19	0.93	75.31	0.419	0	0	0	0	0	0	0	0
UT9-24	10	0	0	5.29	4.7	0.57	43.45	0.47	0	0	0	0	0	0	0	0
CC-J2290_2	10	0	0	3.88	6.11	1.07	66.4	0.611	0	0	0	0	0	0	0	0
UT3-20_1	10	0	0	4.12	5.88	2.16	146.92	0.588	0	0	0	0	0	0	0	0
UT9-17_1	10	0	0	5.14	4.86	0.5	40.08	0.486	0	0	0	0	0	0	0	0
UT9-17_2	10	0	0	5.74	4.26	1.08	85.48	0.426	0	0	0	0	0	0	0	0
UT9-17_3	10	0	0	5.8	4.2	0.67	51.85	0.42	0	0	0	0	0	0	0	0
UT9-13_3	10	0	0	5.62	4.38	0.8	58.04	0.438	0	0	0	0	0	0	0	0
UT9-88_1	10	0	0	6.34	3.66	0.43	41.28	0.366	0	0	0	0	0	0	0	0
UT4-15	10	0	0	4.4	5.6	0.49	32.6	0.56	0	0	0	0	0	0	0	0
UT4-23_1	10	0	0	4.46	5.54	0.96	74.25	0.554	0	0	0	0	0	0	0	0
UT4-14	10	0	0	3.38	6.61	0.48	29.89	0.661	0	0	0	0	0	0	0	0
UT9-88_2	10	0	0	6.1	3.9	0.75	53.99	0.39	0	0	0	0	0	0	0	0
UT4-23_2	10	0	0	4.34	5.66	0.53	39.03	0.566	0	0	0	0	0	0	0	0
CC-J3_2	10	0	0	4.9	5.1	0.71	54.63	0.51	0	0	0	0	0	0	0	0
UT4-35_1	10	0	0	4.18	5.82	0.47	31.88	0.582	0	0	0	0	0	0	0	0
UT4-35_2	10	0	0	4.66	5.34	0.69	41.92	0.534	0	0	0	0	0	0	0	0
UT4-23_3	10	0	0	4.48	5.51	0.84	51.25	0.551	0	0	0	0	0	0	0	0
CC-J3_3	10	0	0	5.2	4.8	0.41	27.57	0.48	0	0	0	0	0	0	0	0
UT9-86_2	10	0	0	6.4	3.6	0.39	34.68	0.36	0	0	0	0	0	0	0	0
UT3-30_1	10	0	0	4.74	5.26	0.99	58.08	0.526	0	0	0	0	0	0	0	0
UT9-22	10	0	0	6.12	3.88	0.59	45.88	0.388	0	0	0	0	0	0	0	0
UT9-88_3	10	0	0	6.48	3.53	0.57	52.49	0.353	0	0	0	0	0	0	0	0
UT4-35_3	10	0	0	4.22	5.78	1.28	81.8	0.578	0	0	0	0	0	0	0	0
UT3-31	10	0	0	4.61	5.39	1.26	100.3	0.539	0	0	0	0	0	0	0	0
UT6-150	10	0	0	6.5	3.5	0.35	31.94	0.35	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT6-34_1	10	0	0	5.5	4.5	0.79	68.51	0.45	0	0	0	0	0	0	0	0
UT4-40_1	10	0	0	4.08	5.92	1.31	79.53	0.592	0	0	0	0	0	0	0	0
UT8-102_1	10	0	0	6.15	3.85	1.44	120.76	0.385	0	0	0	0	0	0	0	0
UT6-27	10	0	0	6.73	3.27	0.66	68.17	0.327	0	0	0	0	0	0	0	0
UT6-2_Rev_1	10	0	0	6.5	3.5	0.64	59.65	0.35	0	0	0	0	0	0	0	0
UT6-26_1	10	0	0	5.35	4.64	0.52	37.92	0.464	0	0	0	0	0	0	0	0
UT6-34_2	10	0	0	6.75	3.25	0.26	24.38	0.325	0	0	0	0	0	0	0	0
UT6-143	10	0	0	6.72	3.28	0.28	26.01	0.328	0	0	0	0	0	0	0	0
UT6-110_1	10	0	0	6.61	3.39	0.47	49.98	0.339	0	0	0	0	0	0	0	0
UT3-20_2	10	0	0	4.38	5.61	0.67	42.92	0.561	0	0	0	0	0	0	0	0
UT4-32	10	0	0	4.06	5.94	0.69	41.43	0.594	0	0	0	0	0	0	0	0
UT6-33_1	10	0	0	6.23	3.77	0.56	55.33	0.377	0	0	0	0	0	0	0	0
UT8-94	10	0	0	5.81	4.18	0.65	61.42	0.418	0	0	0	0	0	0	0	0
UT8-98_1	10	0	0	6.29	3.71	0.33	29.93	0.371	0	0	0	0	0	0	0	0
UT4-42	10	0	0	4.31	5.69	0.42	27.2	0.569	0	0	0	0	0	0	0	0
UT3-13	10	0	0	5.01	4.99	0.75	52.58	0.499	0	0	0	0	0	0	0	0
UT3-39	10	0	0	3.92	6.07	0.43	27.71	0.607	0	0	0	0	0	0	0	0
UT3-180_1	10	0	0	5.26	4.74	0.51	34.29	0.474	0	0	0	0	0	0	0	0
UT3-162	10	0	0	4.8	5.2	0.84	62.45	0.52	0	0	0	0	0	0	0	0
UT6-2_Rev_2	10	0	0	7.05	2.95	0.21	22.24	0.295	0	0	0	0	0	0	0	0
UT4-38	10	0	0	4.57	5.43	1.42	79.18	0.543	0	0	0	0	0	0	0	0
UT6-33_2	10	0	0	5.85	4.15	0.54	49.34	0.415	0	0	0	0	0	0	0	0
UT6-34_3	10	0	0	5.31	4.69	0.71	47.69	0.469	0	0	0	0	0	0	0	0
UT6-135	10	0	0	5.79	4.21	0.29	27.62	0.421	0	0	0	0	0	0	0	0
UT8-98_2	10	0	0	6.09	3.91	0.53	37.07	0.391	0	0	0	0	0	0	0	0
UT3-5_Rev_1	10	0	0	3.88	6.11	0.46	30.63	0.611	0	0	0	0	0	0	0	0
UT6-184	10	0	0	6.52	3.47	1.12	117.04	0.347	0	0	0	0	0	0	0	0
UT6-26_2	10	0	0	5.49	4.51	0.47	39.31	0.451	0	0	0	0	0	0	0	0
UT4-107_1	10	0	0	4.33	5.68	0.97	73.78	0.568	0	0	0	0	0	0	0	0
UT9-86_3	10	0	0	6.23	3.77	0.6	32.52	0.377	0	0	0	0	0	0	0	0
UT4-35_4	10	0	0	4.12	5.88	0.6	40.42	0.588	0	0	0	0	0	0	0	0
UT6-37_1	10	0	0	6.13	3.87	1.14	100.85	0.387	0	0	0	0	0	0	0	0
UT4-107_2	10	0	0	4.51	5.49	1.03	78.42	0.549	0	0	0	0	0	0	0	0
UT3-5_Rev_2	10	0	0	4.64	5.36	0.85	53.48	0.536	0	0	0	0	0	0	0	0
UT3-49	10	0	0	4.19	5.8	0.5	33.9	0.58	0	0	0	0	0	0	0	0
UT6-37_2	10	0	0	5.97	4.03	0.43	34.17	0.403	0	0	0	0	0	0	0	0
UT3-47	10	0	0	3.68	6.31	1.21	76.21	0.631	0	0	0	0	0	0	0	0
UT6-43_1	10	0	0	6.17	3.83	0.34	32.39	0.383	0	0	0	0	0	0	0	0
UT6-8_Rev_1	10	0	0	5.39	4.61	0.73	42.71	0.461	0	0	0	0	0	0	0	0
UT6-45	10	0	0	6.1	3.9	0.39	32.98	0.39	0	0	0	0	0	0	0	0
UT6-43_2	10	0	0	5.8	4.2	0.31	26.57	0.42	0	0	0	0	0	0	0	0
UT6-175	10	0	0	6.52	3.48	0.28	31.29	0.348	0	0	0	0	0	0	0	0
UT6-183	10	0	0	5.55	4.45	0.65	60.33	0.445	0	0	0	0	0	0	0	0
UT6-149_Rev	10	0	0	5.58	4.42	0.46	43.31	0.442	0	0	0	0	0	0	0	0
UT6-8_Rev_2	10	0	0	5.85	4.15	0.56	37.13	0.415	0	0	0	0	0	0	0	0
UT4-36	10	0	0	5.12	4.88	1.37	82.18	0.488	0	0	0	0	0	0	0	0
UT6-134_1	10	0	0	6.11	3.89	0.42	39.7	0.389	0	0	0	0	0	0	0	0
UT6-43_3	10	0	0	6.12	3.88	0.5	50.07	0.388	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT6-73_1	10	0	0	5.76	4.24	0.33	26.61	0.424	0	0	0	0	0	0	0	0
UT6-56_1	10	0	0	6.04	3.96	0.54	36.79	0.396	0	0	0	0	0	0	0	0
UT6-2_Rev_3	10	0	0	5.1	4.89	0.65	56.96	0.489	0	0	0	0	0	0	0	0
UT6-1_Rev_1	10	0	0	6.22	3.78	0.36	26.6	0.378	0	0	0	0	0	0	0	0
UT8-102_2	10	0	0	5.66	4.34	0.96	71.4	0.434	0	0	0	0	0	0	0	0
UT4-41_1	10	0	0	3.12	6.86	0.77	45.18	0.686	0	0	0	0	0	0	0	0
UT6-73_2	10	0	0	5.67	4.33	1.06	96.53	0.433	0	0	0	0	0	0	0	0
UT8-102_3	10	0	0	5.47	4.53	0.69	61.15	0.453	0	0	0	0	0	0	0	0
UT6-7_Rev_1	10	0	0	6.28	3.72	0.56	60.78	0.372	0	0	0	0	0	0	0	0
UT3-5_Rev_3	10	0	0	4.51	5.49	0.56	43.01	0.549	0	0	0	0	0	0	0	0
UT6-6_Rev_1	10	0	0	6.31	3.69	0.38	30.92	0.369	0	0	0	0	0	0	0	0
UT6-1_Rev_2	10	0	0	6.08	3.92	0.4	34.09	0.392	0	0	0	0	0	0	0	0
UT6-7_Rev_2	10	0	0	5.45	4.54	0.87	53.58	0.454	0	0	0	0	0	0	0	0
UT6-56_2	10	0	0	5.18	4.82	1.04	71.8	0.482	0	0	0	0	0	0	0	0
UT3-30_2	10	0	0	3.85	6.14	0.63	36.46	0.614	0	0	0	0	0	0	0	0
UT6-1_Rev_3	10	0	0	6.29	3.7	0.35	38.17	0.37	0	0	0	0	0	0	0	0
UT6-1_Rev_4	10	0	0	5.46	4.54	0.44	41.14	0.454	0	0	0	0	0	0	0	0
UT6-7_Rev_3	10	0	0	6.37	3.63	0.49	38.57	0.363	0	0	0	0	0	0	0	0
UT4-41_2	10	0	0	3.89	6.1	0.93	62.02	0.61	0	0	0	0	0	0	0	0
UT4-40_2	10	0	0	4.03	5.96	0.54	39.5	0.596	0	0	0	0	0	0	0	0
UT6-134_2	10	0	0	5.66	4.33	0.58	48.03	0.433	0	0	0	0	0	0	0	0
UT4-125	10	0	0	4.61	5.39	0.63	50.66	0.539	0	0	0	0	0	0	0	0
UT6-37_3	10	0	0	5.23	4.77	0.4	30.72	0.477	0	0	0	0	0	0	0	0
UT3-176	10	0	0	4.43	5.57	0.48	32.88	0.557	0	0	0	0	0	0	0	0
UT3-180_2	10	0	0	3.85	6.14	1	69.29	0.614	0	0	0	0	0	0	0	0
UT4-59_1	10	0	0	3.92	6.07	0.55	34	0.607	0	0	0	0	0	0	0	0
UT3-57_1	10	0	0	4.37	5.63	0.63	48.22	0.563	0	0	0	0	0	0	0	0
UT4-59_2	10	0	0	3.39	6.59	1.02	64.29	0.659	0	0	0	0	0	0	0	0
UT6-110_2	10	0	0	5.45	4.54	0.44	33.2	0.454	0	0	0	0	0	0	0	0
UT3-57_2	10	0	0	4.17	5.83	0.49	33.89	0.583	0	0	0	0	0	0	0	0
UT4-113_1	10	0	0	3.9	6.1	0.46	31.49	0.61	0	0	0	0	0	0	0	0
UT4-55_1	10	0	0	4.81	5.19	0.73	53.14	0.519	0	0	0	0	0	0	0	0
UT8-102_4	10	0	0	5.7	4.3	0.3	26.33	0.43	0	0	0	0	0	0	0	0
UT4-169_1	10	0	0	5.17	4.83	0.47	38.77	0.483	0	0	0	0	0	0	0	0
UT6-52_1	10	0	0	6.67	3.33	0.5	56.52	0.333	0	0	0	0	0	0	0	0
UT6-58	10	0	0	5.06	4.93	0.89	65.11	0.493	0	0	0	0	0	0	0	0
UT4-181	10	0	0	3.97	6.03	1.76	118.55	0.603	0	0	0	0	0	0	0	0
UT4-55_2	10	0	0	3.91	6.09	0.52	35.7	0.609	0	0	0	0	0	0	0	0
UT6-8_Rev_3	10	0	0	4.8	5.19	0.64	37.71	0.519	0	0	0	0	0	0	0	0
UT4-113_2	10	0	0	4.16	5.84	0.81	58.54	0.584	0	0	0	0	0	0	0	0
UT4-123_1	10	0	0	3.27	6.71	0.83	49.97	0.671	0	0	0	0	0	0	0	0
UT4-169_2	10	0	0	4.47	5.53	0.68	50.51	0.553	0	0	0	0	0	0	0	0
UT8-102_5	10	0	0	5.19	4.81	0.56	45.16	0.481	0	0	0	0	0	0	0	0
UT3-51	10	0	0	3.11	6.85	0.28	18.52	0.685	0	0	0	0	0	0	0	0
UT3-57_3	10	0	0	3.83	6.16	0.59	42.2	0.616	0	0	0	0	0	0	0	0
UT6-52_2	10	0	0	4.96	5.03	0.43	31.22	0.503	0	0	0	0	0	0	0	0
UT6-52_3	10	0	0	5.8	4.19	0.32	29.71	0.419	0	0	0	0	0	0	0	0
UT3-54	10	0	0	3.26	6.73	0.32	20.49	0.673	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT4-123_2	10	0	0	4.22	5.78	0.38	26.24	0.578	0	0	0	0	0	0	0	0
UT4-169_3	10	0	0	5.77	4.23	0.71	63.37	0.423	0	0	0	0	0	0	0	0
UT6-69	10	0	0	5.76	4.24	1.06	96.99	0.424	0	0	0	0	0	0	0	0
UT3-61_1	10	0	0	3.48	6.51	0.61	40.49	0.651	0	0	0	0	0	0	0	0
UT6-8_Rev_4	10	0	0	5.87	4.13	0.5	45.95	0.413	0	0	0	0	0	0	0	0
UT4-116_1	10	0	0	4.29	5.71	0.96	70.42	0.571	0	0	0	0	0	0	0	0
UT6-64_1	10	0	0	6.55	3.45	0.88	94.21	0.345	0	0	0	0	0	0	0	0
UT3-62_1	10	0	0	4.11	5.89	1.41	97.68	0.589	0	0	0	0	0	0	0	0
UT3-62_2	10	0	0	3.99	6	0.85	52.58	0.6	0	0	0	0	0	0	0	0
UT4-67_1	10	0	0	4.04	5.96	0.34	21.51	0.596	0	0	0	0	0	0	0	0
UT4-123_3	10	0	0	3.9	6.1	0.54	38.42	0.61	0	0	0	0	0	0	0	0
UT4-59_3	10	0	0	4.21	5.78	1.05	77.06	0.578	0	0	0	0	0	0	0	0
UT6-76_1	10	0	0	6.29	3.71	0.75	57.2	0.371	0	0	0	0	0	0	0	0
UT4-67_2	10	0	0	4.32	5.68	0.46	33.94	0.568	0	0	0	0	0	0	0	0
UT4-116_2	10	0	0	4.84	5.15	0.59	45.23	0.515	0	0	0	0	0	0	0	0
UT6-74_1	10	0	0	5.76	4.24	1.01	71.65	0.424	0	0	0	0	0	0	0	0
UT3-61_2	10	0	0	3.86	6.13	1.6	112.68	0.613	0	0	0	0	0	0	0	0
UT6-6_Rev_2	10	0	0	6.11	3.89	0.48	41.84	0.389	0	0	0	0	0	0	0	0
UT6-74_2	10	0	0	5.73	4.27	1	76.15	0.427	0	0	0	0	0	0	0	0
UT6-77	10	0	0	5.35	4.65	0.76	61.97	0.465	0	0	0	0	0	0	0	0
UT4-66_1	10	0	0	4.08	5.91	0.78	45.41	0.591	0	0	0	0	0	0	0	0
UT6-64_2	10	0	0	6.23	3.77	0.92	93.93	0.377	0	0	0	0	0	0	0	0
UT3-80_1	10	0	0	4.01	5.98	0.81	53.35	0.598	0	0	0	0	0	0	0	0
UT6-6_Rev_3	10	0	0	6.55	3.45	1	109.92	0.345	0	0	0	0	0	0	0	0
UT4-168	10	0	0	4.77	5.23	0.66	48.76	0.523	0	0	0	0	0	0	0	0
UT4-137	10	0	0	5.37	4.63	0.65	52.25	0.463	0	0	0	0	0	0	0	0
UT3-119	10	0	0	3.89	6.11	0.98	70.94	0.611	0	0	0	0	0	0	0	0
UT3-80_2	10	0	0	3.79	6.21	0.99	71.37	0.621	0	0	0	0	0	0	0	0
UT6-76_2	10	0	0	6.03	3.97	0.68	62.7	0.397	0	0	0	0	0	0	0	0
UT6-76_3	10	0	0	5.81	4.19	0.24	20.33	0.419	0	0	0	0	0	0	0	0
UT4-116_3	10	0	0	3.64	6.36	0.29	20.12	0.636	0	0	0	0	0	0	0	0
UT7-85_1	10	0	0	5.98	4.02	0.56	46.03	0.402	0	0	0	0	0	0	0	0
UT7-85_2	10	0	0	5.76	4.24	0.57	43.69	0.424	0	0	0	0	0	0	0	0
UT7-85_3	10	0	0	5.76	4.24	0.51	38.38	0.424	0	0	0	0	0	0	0	0
UT6-106	10	0	0	6.62	3.38	0.27	31.43	0.338	0	0	0	0	0	0	0	0
UT4-66_2	10	0	0	5.1	4.9	0.58	38.16	0.49	0	0	0	0	0	0	0	0
UT6-73_3	10	0	0	5.99	4.01	0.27	25.61	0.401	0	0	0	0	0	0	0	0
UT4-105_1	10	0	0	3.77	6.22	0.88	59.62	0.622	0	0	0	0	0	0	0	0
UT4-79	10	0	0	5.93	4.07	0.81	81.35	0.407	0	0	0	0	0	0	0	0
UT4-68	10	0	0	3.89	6.1	0.84	47.03	0.61	0	0	0	0	0	0	0	0
UT6-185	10	0	0	6.64	3.36	0.63	60.34	0.336	0	0	0	0	0	0	0	0
UT3-80_3	10	0	0	3.53	6.46	0.45	29.35	0.646	0	0	0	0	0	0	0	0
UT6-63	10	0	0	6.78	3.22	1.27	111.25	0.322	0	0	0	0	0	0	0	0
UT4-75	10	0	0	4.79	5.21	0.67	48.29	0.521	0	0	0	0	0	0	0	0
UT6-104_1	10	0	0	5.03	4.96	1.25	96.36	0.496	0	0	0	0	0	0	0	0
UT3-80_4	10	0	0	4.3	5.69	0.62	46.12	0.569	0	0	0	0	0	0	0	0
UT3-71	10	0	0	4.25	5.75	0.6	36.6	0.575	0	0	0	0	0	0	0	0
UT6-104_2	10	0	0	5.56	4.44	0.39	38.48	0.444	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT4-82_1	10	0	0	5.19	4.8	1.45	113.29	0.48	0	0	0	0	0	0	0	0
UT7-89_1	10	0	0	6.11	3.89	0.33	29.3	0.389	0	0	0	0	0	0	0	0
UT7-103_1	10	0	0	5.89	4.11	0.49	36.07	0.411	0	0	0	0	0	0	0	0
UT6-8_Rev_5	10	0	0	5.88	4.12	0.2	19.98	0.412	0	0	0	0	0	0	0	0
UT7-89_2	10	0	0	5.89	4.11	0.42	40.42	0.411	0	0	0	0	0	0	0	0
UT6-90_1	10	0	0	5.2	4.8	0.67	55.98	0.48	0	0	0	0	0	0	0	0
UT4-83	10	0	0	3.61	6.38	0.52	35.96	0.638	0	0	0	0	0	0	0	0
UT6-8_Rev_6	10	0	0	5.43	4.57	0.27	22.06	0.457	0	0	0	0	0	0	0	0
UT4-84_1	10	0	0	5.49	4.51	0.85	81	0.451	0	0	0	0	0	0	0	0
UT4-105_2	10	0	0	4.34	5.65	0.4	29.85	0.565	0	0	0	0	0	0	0	0
UT6-81_1	10	0	0	5.15	4.85	0.52	43.14	0.485	0	0	0	0	0	0	0	0
UT6-81_2	10	0	0	4.42	5.57	0.63	45.42	0.557	0	0	0	0	0	0	0	0
UT6-128_1	10	0	0	6.38	3.62	0.72	75.16	0.362	0	0	0	0	0	0	0	0
UT4-84_2	10	0	0	4.79	5.21	0.63	49.59	0.521	0	0	0	0	0	0	0	0
UT6-78_Rev_1	10	0	0	5.58	4.42	0.83	73.78	0.442	0	0	0	0	0	0	0	0
UT7-89_3	10	0	0	5.93	4.07	0.53	35.86	0.407	0	0	0	0	0	0	0	0
UT6-90_2	10	0	0	6.05	3.96	0.32	34.24	0.396	0	0	0	0	0	0	0	0
UT6-132	10	0	0	4.84	5.16	0.33	24.49	0.516	0	0	0	0	0	0	0	0
UT4-167	10	0	0	5.14	4.86	0.82	58.84	0.486	0	0	0	0	0	0	0	0
UT6-78_Rev_2	10	0	0	5.09	4.91	0.61	44.35	0.491	0	0	0	0	0	0	0	0
UT6-78_Rev_3	10	0	0	5.15	4.85	0.41	33.86	0.485	0	0	0	0	0	0	0	0
UT4-120	10	0	0	3.47	6.52	0.3	19.63	0.652	0	0	0	0	0	0	0	0
UT6-122	10	0	0	6.27	3.73	1.35	108.64	0.373	0	0	0	0	0	0	0	0
UT4-58	10	0	0	4.38	5.62	0.41	28.97	0.562	0	0	0	0	0	0	0	0
UT4-86_1	10	0	0	4.03	5.96	0.97	64.21	0.596	0	0	0	0	0	0	0	0
UT6-90_3	10	0	0	5.79	4.21	0.21	18.14	0.421	0	0	0	0	0	0	0	0
UT7-117	10	0	0	6.48	3.52	1.93	112.29	0.352	0	0	0	0	0	0	0	0
UT4-82_2	10	0	0	5.22	4.78	0.46	35.9	0.478	0	0	0	0	0	0	0	0
UT6-92_1	10	0	0	5.63	4.37	0.38	31.83	0.437	0	0	0	0	0	0	0	0
UT4-86_2	10	0	0	4.78	5.22	0.28	21.14	0.522	0	0	0	0	0	0	0	0
UT4-88_1	10	0	0	5.47	4.53	1.54	118.05	0.453	0	0	0	0	0	0	0	0
UT7-103_2	10	0	0	6.45	3.55	1.12	90.95	0.355	0	0	0	0	0	0	0	0
UT6-128_2	10	0	0	6.47	3.54	0.26	28.74	0.354	0	0	0	0	0	0	0	0
UT4-84_3	10	0	0	4.53	5.46	0.65	50.55	0.546	0	0	0	0	0	0	0	0
UT4-88_2	10	0	0	3.8	6.2	0.12	9.21	0.62	0	0	0	0	0	0	0	0
UT4-87	10	0	0	5.03	4.97	0.63	44.14	0.497	0	0	0	0	0	0	0	0
UT6-92_2	10	0	0	5.6	4.4	0.54	47.63	0.44	0	0	0	0	0	0	0	0
UT4-91_1	10	0	0	4.7	5.3	0.61	38.14	0.53	0	0	0	0	0	0	0	0
UT4-91_2	10	0	0	4.53	5.47	0.63	48.64	0.547	0	0	0	0	0	0	0	0
UT4-91_3	10	0	0	4.53	5.46	0.67	54.8	0.546	0	0	0	0	0	0	0	0
UT4-95_1	10	0	0	5.66	4.35	0.42	37.6	0.435	0	0	0	0	0	0	0	0
UT6-93_1	10	0	0	5.95	4.05	0.9	66.26	0.405	0	0	0	0	0	0	0	0
UT6-93_2	10	0	0	5.83	4.17	0.51	46.34	0.417	0	0	0	0	0	0	0	0
UT6-3	10	0	0	5.47	4.53	0.43	31.28	0.453	0	0	0	0	0	0	0	0
UT6-96	10	0	0	5.25	4.76	0.32	20.07	0.476	0	0	0	0	0	0	0	0
UT6-127_1	10	0	0	5.46	4.54	0.4	29.11	0.454	0	0	0	0	0	0	0	0
UT6-127_2	10	0	0	6.47	3.53	0.29	31.39	0.353	0	0	0	0	0	0	0	0
UT6-97	10	0	0	6.24	3.76	0.37	28.06	0.376	0	0	0	0	0	0	0	0

Subcatchment SWMM 100-year Outputs

Name	Precipitation (in)	Runon (in)	Evaporation (in)	Infiltration (in)	Runoff Depth (in)	Runoff Volume (MG)	Peak Runoff (cfs)	Runoff Coefficient	GW Evaporation (in)	GW Seepage (in)	GW Outflow (in)	GW Max. Outflow (cfs)	GW Avg. Moisture	GW Avg. Table (ft)	GW Final Moisture	GW Final Table (ft)
UT5-99_1	10	0	0	5.68	4.33	0.9	66.25	0.433	0	0	0	0	0	0	0	0
UT4-100_1	10	0	0	5.62	4.38	1.01	86	0.438	0	0	0	0	0	0	0	0
UT4-95_2	10	0	0	5.43	4.56	0.61	45.04	0.456	0	0	0	0	0	0	0	0
UT4-100_2	10	0	0	5.17	4.83	0.78	60.04	0.483	0	0	0	0	0	0	0	0
UT5-99_2	10	0	0	4.49	5.5	0.52	31.33	0.55	0	0	0	0	0	0	0	0
CC-MAS1359	10	0	0	4.75	5.25	0.27	17.78	0.525	0	0	0	0	0	0	0	0
CC-MASJ127	10	0	0	4.55	5.45	0.54	37.47	0.545	0	0	0	0	0	0	0	0
CC-J810	10	0	0	4.04	5.95	0.95	61.39	0.595	0	0	0	0	0	0	0	0
CC-J97	10	0	0	3.78	6.21	0.29	17.25	0.621	0	0	0	0	0	0	0	0
UT-_1	10	0	0	7.54	2.46	14.93	895.16	0.246	0	0	0	0	0	0	0	0
UT-_2	10	0	0	7.27	2.73	2.4	315.75	0.273	0	0	0	0	0	0	0	0
UT-816_2	10	0	0	8.67	1.33	31.12	1142.47	0.133	0	0	0	0	0	0	0	0
BC-1385_2	10	0	0	4.54	5.43	0.8	41.98	0.543	0	0	0	0	0	0	0	0

Junctions Outputs

Junctions SWMM 2-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
AmmanLWCDS	0.06	0.36	1361.81	4/13/2017 12:06	0.36	0	81.85	0	0.732	-8.584	0	0	24.64	0	0	0	0	256.244	4.15	0.319
AmmanLWCUS	0.01	0.16	1362.16	4/13/2017 12:00	0.16	82.38	82.38	0.732	0.732	-0.032	0	0	8.84	0	0	0	0	256.244	4.15	0.321
BalcIntoCity	1.12	2.47	1282.47	4/13/2017 17:30	2.47	454.45	454.45	91.3	91.3	0.138	0	0	32.53	0	0	0	0	0	0	0
CibIntoCity	2.29	5.34	1281.34	4/13/2017 16:00	5.34	1514.9	1514.9	281	281	0.06	0	0	36.66	0	0	0	0	5.04	0	300.575
F1	0.16	0.7	1340.64	4/13/2017 12:00	0.7	0	38.27	0	2.17	-0.252	0	0	13.3	0	0	0	0	55.08	4.06	0.695
f14	0.38	2.48	1368.48	4/13/2017 12:28	2.48	0	25.02	0	0.428	-0.87	0	0	6.52	0	0	0	0	11.35	0.809	2.204
f15	0.05	0.21	1365.98	4/13/2017 12:29	0.21	0	5.85	0	0.427	-0.263	0	0	8.79	0	0	0	0	11.35	0.809	0.515
F3	0.48	2.73	1349.73	4/13/2017 12:40	2.73	0	54.92	0	1.18	-3.288	0	0	10.27	0	0	0	0	32.1	1.839	1.711
F4	0.1	0.29	1346.12	4/13/2017 12:40	0.29	0	12.54	0	1.22	-0.106	0	0	8.71	0	0	0	0	32.1	1.839	0.391
f5	0.22	1.33	1361.87	4/13/2017 12:53	1.33	0	5.84	0	0.428	-1.206	0	0	7.67	0	0	0	0	11.35	0.809	0.515
f6	0.09	0.22	1359.54	4/13/2017 12:54	0.22	0	5.69	0	0.433	-0.402	0	0	10.78	0	0	0	0	11.35	0.809	0.501
f7	0.41	2.46	1358.46	4/13/2017 13:46	2.46	0	5.69	0	0.435	-2.999	0	0	8.54	0	0	0	0	11.35	0.809	0.501
f8	0.04	0.15	1355.59	4/13/2017 13:47	0.15	0	5.09	0	0.448	-0.549	0	0	9.85	0	0	0	0	11.35	0.809	0.448
f9	0.07	0.27	1347.45	4/13/2017 13:48	0.27	0	5.09	0	0.451	-2.25	0	0	9.73	0	0	0	0	11.35	0.809	0.448
GR1	0.26	1.1	1374.1	4/13/2017 12:01	1.1	0	47.53	0	0.592	-6.578	0	0	17.9	0	0	0	0	22.85	2.809	2.08
GR10	0.26	3.69	1287.87	4/13/2017 12:05	3.69	0	289.07	0	4.08	0.392	0	0	15.31	0	0	0	0	101.24	8.943	2.855
GR11	0.24	3.09	1342.09	4/13/2017 12:03	3.09	0	39.74	0	0.555	-1.749	0	0	23.91	0	0	0	0	13.01	1.687	3.055
GR12	0.18	1.41	1278.41	4/13/2017 12:20	1.41	0	316.2	0	11.3	-0.078	0	0	20.59	0	0	0	0	273.04	25.157	1.158
GR13	0.52	3.76	1281.76	4/13/2017 12:19	3.76	0	318.24	0	11.3	-0.321	0	0	16.24	0	0	0	0	273.04	25.157	1.166
gr14	0.15	2.32	1299.32	4/13/2017 12:11	2.32	13.22	277.42	0.169	8.85	-0.016	0	0	21.68	0	0	0	0	219.11	18.599	1.266
gr15	0.56	2.34	1297.71	4/13/2017 12:12	2.34	0	275.83	0	8.85	-0.213	0	0	14.66	0	0	0	0	219.11	18.599	1.259
gr16	0.16	1.73	1294.73	4/13/2017 12:13	1.69	20.7	304.82	0.234	10.2	-0.034	0	0	23.27	0	0	0	0	248.91	22.713	1.225
gr17	0.21	2.78	1294.78	4/13/2017 12:12	2.77	0	479.45	0	10.2	-0.05	0	0	22.22	0	0	0	0	248.91	22.713	1.926
gr18	0.31	1.96	1292.96	4/13/2017 12:14	1.96	0	322.6	0	10.2	-0.112	0	0	22.04	0	0	0	0	248.91	22.713	1.296
gr19	0.62	3.25	1292.45	4/13/2017 12:14	3.25	0	306.69	0	10.2	-0.175	0	0	20.75	0	0	0	0	248.91	22.713	1.232
gr20	0.24	1.15	1289.45	4/13/2017 12:15	1.15	0	303.03	0	10.2	-0.069	0	0	22.85	0	0	0	0	248.91	22.713	1.217
gr21	0.22	1.7	1289.1	4/13/2017 12:15	1.7	38.58	314.32	0.49	10.7	-0.188	0	0	24.3	0	0	0	0	261.54	23.729	1.202
GR4	1.67	2.85	1346.85	4/13/2017 12:02	2.85	0	120.75	0	1.62	-1.797	0	0	35.15	0	0	0	0	58.76	7.319	2.055
GR5	0.1	1.17	1343.26	4/13/2017 12:03	1.17	0	116.28	0	1.65	-0.512	0	0	11.83	0	0	0	0	58.76	7.319	1.979
GR7	0.12	1	1314.04	4/13/2017 12:08	1	31.07	160.28	0.432	3.34	-0.026	0	0	16	0	0	0	0	113.07	16.258	1.418
GR8	0.29	2.75	1316.75	4/13/2017 12:08	2.75	0	150.25	0	2.9	-0.389	0	0	12.25	0	0	0	0	102.56	13.732	1.465
GR9	0.15	1.05	1319.47	4/13/2017 12:07	1.05	0	158.86	0	2.87	-1.047	0	0	13.95	0	0	0	0	102.56	13.732	1.549
J_0406_3	0.09	0.56	1261.5	4/13/2017 12:02	0.56	0	48.53	0	0.772	-3.558	0	0	24.44	0	0	0	0	19.23	2.117	2.524
J1	0.15	1.49	1371.32	4/13/2017 12:00	1.49	8.77	67.08	0.138	1.19	-0.427	0	0	34.51	0	0	0	0	50.69	6.821	1.323
J10	0.12	0.8	1281.91	4/13/2017 12:04	0.8	0	26.33	0	0.415	-0.364	0	0	10.2	0	0	0	0	21.19	2.268	1.243
J100	0.02	0.12	1292.01	4/13/2017 12:37	0.12	0	24.93	0	0.992	-4.581	0	0	66.88	0	0	0	0	48.41	1.547	0.515
J1000	0.08	0.28	1294.05	4/13/2017 12:02	0.27	9.73	12.68	0.135	0.488	-1.955	0	0	9.72	0	0	0	0	20.49	0.368	0.619
J1004	0.04	0.46	1305.54	4/13/2017 12:06	0.46	20.47	36.52	0.273	0.581	-2.726	0	0	19.54	0	0	0	0	18.35	0.87	1.99
J101	0.07	0.32	1318.32	4/13/2017 12:06	0.32	8.32	11.94	0.143	0.222	-13.945	0	0	9.68	0	0	0	0	4.88	0.835	2.447
J1012	0.17	1.09	1296.5	4/13/2017 12:14	1.09	9.58	144.99	0.112	5.11	-0.755	0	0	38.91	0	0	0	0	247.57	9.943	0.586
J1016	0.05	0.3	1304.3	4/13/2017 12:08	0.29	0	28.47	0	0.468	-4.457	0	0	18.7	0	0	0	0	24.07	1.511	1.183
J102	0.02	0.22	1309.22	4/13/2017 12:11	0.22	71.4	74.25	0.671	0.797	-4.914	0	0	64.78	0	0	0	0	40.12	1.4	1.851
J1023	0.03	0.41	1300.77	4/13/2017 12:00	0.41	37.37	37.37	0.642	0.642	-0.334	0	0	9.59	0	0	0	0	18.28	1.363	2.044
J1027	0.18	1.65	1322.65	4/13/2017 12:15	1.65	32.45	125.26	0.519	2.54	-0.154	0	0	10.35	0	0	0	0	67.92	5.397	1.844
J1031	0.07	0.63	1309.22	4/13/2017 12:00	0.63	15.71	72.31	0.175	0.95	-0.838	0	0	23.37	0	0	0	0	23.52	2.333	3.074
J1033	0.09	0.32	1298.32	4/13/2017 12:05	0.32	13.35	34.43	0.222	0.83	-2.274	0	0	14.68	0	0	0	0	25.09	1.179	1.372
J1037	0.36	0.82	1300.01	4/13/2017 12:01	0.82	14.46	49.53	0.278	0.923	-3.448	0	0	10.18	0	0	0	0	36.4	2.65	1.361
J104	3.06	3.65	1311.5	4/13/2017 19:20	3.65	16.09	42.66	0.257	0.816	1055.347	0	0	24.35	0	0	0	0	15.04	1.925	2.836
J1043	0.04	0.61	1337.38	4/13/2017 12:00	0.61	54.21	54.21	0.749	0.749	-0.228	0	0	18.39	0	0	0	0	23.4	0.423	2.317
J1045	0.03	0.39	1297.73	4/13/2017 12:03	0.39	19.83	64.31	0.234	1.19	-0.549	0	0	12.61	0	0	0	0	43.7	2.65	1.472
J1047	0.08	0.58	1290.58	4/13/2017 12:07	0.58	9.4	51.61	0.099	1.11	-0.916	0	0	14.42	0	0	0	0	35.14	0.809	1.469
J1049	0.05	0.48	1321.66	4/13/2017 12:00	0.48	57.32	57.32	0.773	0.773	-0.169	0	0	23.52	0	0	0	0	19.02	2.028	3.014
J1053	0.06	0.28	1299.09	4/13/2017 12:11	0.28	14.38	29.36	0.224	0.713	-5.321	0	0	12.72	0	0	0	0	29.96	2.065	0.98
J106	0.08	0.44	1311.83	4/13/2017 12:02	0.44	47.18	47.18	0.661	0.732	1.133	0	0	27.56	0	0	0	0	38.73	4.016	1.218
J1060	0.05	0.08	1311.68	4/13/2017 13:52	0.08	0	16.24	0	5.27	-0.174	0	0	44.92	0	0	0	0	123.84	10.356	0.131
J1069	0.02	0.2	1296	4/13/2017 12:00	0.2	6.78	6.78	0.151	0.151	-2.629	0	0	12.8	0	0	0	0	4.91	0.289	1.381

Junctions SWMM 2-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J107	0.12	0.47	1329.47	4/13/2017 12:06	0.47	0	31.31	0	0.797	-0.291	0	0	24.53	0	0	0	0	20.48	2.44	1.529
J1074	0.06	0.36	1289.7	4/13/2017 12:21	0.36	0	16.01	0	0.498	-1.101	0	0	12.64	0	0	0	0	20.49	0.368	0.781
J108	0.14	0.55	1333.91	4/13/2017 12:06	0.55	0	26.74	0	0.705	-0.049	0	0	9.45	0	0	0	0	17.87	2.405	1.496
J1083	0.03	0.52	1319.62	4/13/2017 12:00	0.52	16.33	69.56	0.224	0.974	-0.544	0	0	22.48	0	0	0	0	29.26	0.902	2.377
J1085	0.04	0.32	1308.32	4/13/2017 12:10	0.32	9.73	23.46	0.143	0.636	-2.486	0	0	15.68	0	0	0	0	16.26	1.755	1.443
J109	0.03	0.34	1311.6	4/13/2017 12:02	0.34	33.89	40.06	0.324	0.488	-0.884	0	0	30.66	0	0	0	0	57.55	4.171	0.696
J1093	0.07	0.41	1307.43	4/13/2017 12:00	0.41	16	16	0.255	0.255	-3.036	0	0	15.59	0	0	0	0	7.23	0.48	2.213
J1095	0.01	0.13	1291.53	4/13/2017 12:05	0.13	11.38	15.47	0.163	0.233	-7.462	0	0	13.87	0	0	0	0	7.36	0.133	2.102
J11	1.35	2.87	1279.87	4/13/2017 17:30	2.87	12	454.38	0.11	91.3	0.302	0	0	33.13	0	0	0	0	20.28	0.046	22.405
J110	0.13	1.33	1332.33	4/13/2017 12:05	1.33	8.55	31.95	0.09	0.796	-0.093	0	0	8.67	0	0	0	0	20.48	2.44	1.56
J1100	0.02	0.16	1293.16	4/13/2017 12:08	0.16	4.59	11.24	0.093	0.248	-4.252	0	0	12.84	0	0	0	0	8.43	0.289	1.333
J1102	0.07	0.31	1285.92	4/13/2017 12:08	0.31	20.6	23.81	0.304	0.662	-3.833	0	0	11.69	0	0	0	0	21.1	0.504	1.128
J1104	1.12	3.44	1282.59	4/13/2017 14:26	3.44	18.3	406	0.115	40.4	-0.059	0	0	43.56	0	0	0	0	597.72	24.663	0.679
J1106	0.38	1.47	1285.62	4/13/2017 12:11	1.47	0	163.77	0	10.8	-0.233	0	0	19.53	0	0	0	0	1456.34	32.095	0.112
J1110	0.96	3.44	1284.44	4/13/2017 14:24	3.44	44.43	406.07	0.475	40.3	-0.051	0	0	43.56	0	0	0	0	588.3	24.617	0.69
J1112	0.14	2.14	1315.14	4/13/2017 12:04	2.14	0	68.03	0	0.98	-0.759	0	0	20.86	0	0	0	0	29.26	0.902	2.325
J1117	0.04	0.32	1286.32	4/13/2017 12:10	0.32	14.88	17.8	0.17	0.673	-1.658	0	0	13.68	0	0	0	0	25.72	0.368	0.692
J112	1.31	2.6	1236.4	4/13/2017 15:32	2.6	4.34	2202.25	0.064	478	0.028	0	0	27.4	0	0	0	0	4030.57	317.402	0.546
J1121	0.14	0.43	1319.48	4/13/2017 12:00	0.43	17.22	17.22	0.215	0.215	-5.279	0	0	17.57	0	0	0	0	6.42	0.138	2.682
J113	0.13	0.8	1321.74	4/13/2017 12:00	0.8	25.14	25.14	0.329	0.329	-1.513	0	0	8.2	0	0	0	0	8.41	0.726	2.989
J1133	0.04	0.22	1292.46	4/13/2017 12:08	0.22	5	12.66	0.07	0.329	-3.601	0	0	12.78	0	0	0	0	10.43	0.387	1.214
J1138	1.69	4.06	1277.52	4/13/2017 16:06	4.06	38.26	1530.26	0.451	291	0.11	0	0	43.94	0	0	0	0	417.98	22.75	3.661
J1140	0.04	0.31	1282.42	4/13/2017 12:16	0.31	0	26.69	0	0.689	-1.81	0	0	12.69	0	0	0	0	21.1	0.504	1.265
J1143	1.29	3.46	1277.71	4/13/2017 16:06	3.46	19.57	1530.48	0.201	291	0.083	0	0	40.54	0	0	0	0	401.95	21.079	3.808
J1149	0.26	1.13	1283.22	4/13/2017 12:14	1.13	6.63	167.06	0.109	11	-0.152	0	0	19.87	0	0	0	0	1460.15	32.095	0.114
J115	0.09	0.46	1319.21	4/13/2017 12:01	0.46	10.6	35.33	0.168	0.501	-2.841	0	0	20.54	0	0	0	0	12.62	1.214	2.8
J1151	0.06	0.71	1292.71	4/13/2017 12:04	0.71	11.73	66.95	0.166	1.29	-0.26	0	0	25.29	0	0	0	0	36.15	1.864	1.852
J1153	0.01	0.11	1289.11	4/13/2017 12:03	0.11	2.84	2.84	0.013	0.013	-28.461	0	0	15.89	0	0	0	0	9.19	0	0.309
J1155	0.33	1.53	1281.54	4/13/2017 12:16	1.53	7.18	175.7	0.079	11.4	-0.276	0	0	15.47	0	0	0	0	1470.98	32.095	0.119
J1157	0.02	0.23	1316.24	4/13/2017 12:08	0.23	13.22	21.25	0.247	0.363	-4.43	0	0	12.77	0	0	0	0	10.98	0.546	1.935
J116	0.14	1.99	1260.99	4/13/2017 12:06	1.99	0	63.19	0	1.02	-0.638	0	0	22.01	0	0	0	0	50.9	4.137	1.241
J1161	0.16	0.49	1286.74	4/13/2017 12:55	0.49	4.3	27.07	0.07	2.53	-1.266	0	0	19.51	0	0	0	0	109.77	3.918	0.247
J1163	0.04	0.56	1294.62	4/13/2017 12:00	0.56	33.33	33.33	0.445	0.445	-0.853	0	0	21.44	0	0	0	0	11.44	1.002	2.913
J1168	0.03	0.2	1314.2	4/13/2017 12:21	0.2	6.63	17.4	0.152	0.532	-4.146	0	0	35.8	0	0	0	0	18.24	1.619	0.954
J117	0.03	0.36	1257.48	4/13/2017 12:09	0.36	0	58.52	0	1.03	-4.61	0	0	25.64	0	0	0	0	50.9	4.137	1.15
J1170	0.07	0.35	1310.35	4/13/2017 12:29	0.35	0	17.6	0	0.953	-1.232	0	0	22.65	0	0	0	0	25.95	1.273	0.678
J1178	0.28	1.17	1282.17	4/13/2017 12:14	1.17	22.36	173.94	0.267	11.3	-0.155	0	0	15.83	0	0	0	0	1468.58	32.095	0.118
J1182	0.02	0.3	1316.88	4/13/2017 11:58	0.3	7.84	7.84	0.113	0.113	-2.883	0	0	12.7	0	0	0	0	3.68	0.028	2.13
J1185	0.37	1.11	1276.11	4/13/2017 12:23	1.11	15.37	207.21	0.166	13.4	-0.217	0	0	25.89	0	0	0	0	1532.58	32.968	0.135
J1190	1.9	4.55	1273.55	4/13/2017 16:13	4.55	40.95	1530.1	0.474	291	0.072	0	0	44.45	0	0	0	0	435	23.363	3.517
J1192	0.7	4.03	1313.92	4/13/2017 12:22	4.03	51.32	67.66	0.7	0.927	-2.696	0	0	13.97	0	0	0	0	25.95	1.273	2.607
J1197	0.07	0.38	1285.44	4/13/2017 12:30	0.38	16.82	34.17	0.256	1.38	-2.134	0	0	13.62	0	0	0	0	49.09	2.452	0.696
J1199	0.23	1.1	1275.42	4/13/2017 12:24	1.1	0	207.03	0	13.4	-0.148	0	0	29.9	0	0	0	0	1532.58	32.968	0.135
J12	0.11	1.1	1284.1	4/13/2017 12:03	1.1	0	30.93	0	0.407	-2.06	0	0	10.9	0	0	0	0	21.19	2.268	1.46
J120	1.76	2.48	1274.48	4/13/2017 12:05	2.48	0	85.77	0	4.57	-1.177	0	0	9.52	0	0	0	0	177.14	7.223	0.484
J1203	0.06	0.46	1341.18	4/13/2017 12:00	0.45	26.2	26.2	0.307	0.307	-3.099	0	0	18.54	0	0	0	0	17.55	0	1.493
J121	0.1	0.54	1272.76	4/13/2017 12:05	0.54	0	85.4	0	4.63	-0.093	0	0	11.46	0	0	0	0	177.14	7.223	0.482
J1212	0.03	0.37	1289.49	4/13/2017 12:00	0.37	16.3	16.3	0.234	0.234	-2.978	0	0	10.63	0	0	0	0	7.08	0.228	2.302
J122	0.16	0.55	1271.55	4/13/2017 12:23	0.55	0	39.32	0	1.61	-1.447	0	0	14.45	0	0	0	0	44.12	4.437	0.891
J1223	0.53	1.91	1279.16	4/13/2017 14:28	1.91	7.72	405.91	0.047	40.5	-0.029	0	0	26.09	0	0	0	0	618.01	24.663	0.657
J1227	0.03	0.38	1289.32	4/13/2017 11:56	0.38	33.06	33.06	0.491	0.491	-1.532	0	0	12.62	0	0	0	0	15.03	1.204	2.2
J123	1.49	3.2	1260.27	4/13/2017 12:52	3.2	12.35	367.08	0.158	27.3	-1.238	0	0	16.8	0	0	0	0	1990.45	52.764	0.184
J1232	0.01	0.17	1278.16	4/13/2017 12:05	0.17	9.88	55.21	0.102	1.17	-0.774	0	0	10.83	0	0	0	0	34.29	1.802	1.61
J1234	0.09	0.47	1294.31	4/13/2017 12:00	0.47	40.92	43.82	0.576	1.54	-1.187	0	0	22.53	0	0	0	0	42.42	2.148	1.033
J1236	0.96	2.39	1278.39	4/13/2017 14:29	2.39	0	405.83	0	40.5	-0.038	0	0	25.61	0	0	0	0	618.01	24.663	0.657
J1238	0.04	0.26	1330.26	4/13/2017 12:01	0.26	12.39	12.39	0.18	0.18	-3.826	0	0	18.74	0	0	0	0	6.01	0	2.062
J1240	0.02	0.28	1278.91	4/13/2017 12:00	0.28	26.96	26.96	0.38	0.38	-2.261	0	0	15.72	0	0	0	0	13.02	0.028	2.071

Junctions SWMM 2-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J1242	0.05	0.19	1310.73	4/13/2017 11:55	0.19	5.9	5.9	0.102	0.102	-0.427	0	0	7.81	0	0	0	0	3.13	0.756	1.885
J1245	0.02	0.39	1323.39	4/13/2017 12:05	0.39	27.59	72.62	0.429	1.24	-0.763	0	0	13.61	0	0	0	0	44.22	0.646	1.642
J1249	0.16	0.88	1312	4/13/2017 12:22	0.88	8.54	50.86	0.121	1.94	-0.143	0	0	16.12	0	0	0	0	57.98	2.554	0.877
J125	0.32	1.07	1268.81	4/13/2017 13:07	1.07	0	55.12	0	0.889	1.929	0	0	9.93	0	0	0	0	25.68	0.026	2.146
J1255	2.65	6.02	1273.14	4/13/2017 16:15	6.02	17.1	1528.7	0.127	291	0.209	0	0	45.98	0	0	0	0	441.33	23.472	3.464
J1259	0	0.06	1314.56	4/13/2017 12:00	0.06	4.14	4.14	0.07	0.07	-2.224	0	0	9.94	0	0	0	0	3.74	0.28	1.107
J1269	0.07	0.42	1282.03	4/13/2017 12:05	0.42	22.22	50	0.301	1.05	-1.062	0	0	10.58	0	0	0	0	30.83	1.802	1.622
J1271	1.55	3.67	1267.67	4/13/2017 16:23	3.67	25.6	1526.77	0.284	293	0.127	0	0	51.33	0	0	0	0	590.85	33.302	2.584
J1279	0.85	2.55	1272.55	4/13/2017 12:35	2.55	7.42	259.07	0.047	16.6	-0.483	0	0	23.45	0	0	0	0	1634.32	37.221	0.159
J1283	1.3	2.98	1272.52	4/13/2017 12:35	2.98	9.09	256.36	0.093	16.8	-0.581	0	0	30.02	0	0	0	0	1637.95	37.221	0.157
J1285	0.17	0.83	1292.71	4/13/2017 12:25	0.83	12.61	52.2	0.189	1.75	-0.741	0	0	18.17	0	0	0	0	47.1	2.716	1.108
J1287	3.48	6.82	1273.03	4/13/2017 16:15	6.82	35.9	1526.93	0.385	291	0.219	0	0	55.18	0	0	0	0	456.3	23.87	3.346
J1289	0.07	0.27	1311.29	4/13/2017 12:00	0.27	24.67	30.67	0.38	0.561	-1.658	0	0	9.73	0	0	0	0	23.66	3.343	1.296
J1291	1.68	3.88	1267.38	4/13/2017 16:23	3.88	8.31	1526.42	0.085	293	0.116	0	0	51.12	0	0	0	0	594.66	33.302	2.567
J1293	0.04	0.19	1314.19	4/13/2017 12:04	0.19	6.71	10.43	0.097	0.169	-6.58	0	0	9.81	0	0	0	0	7.06	0.861	1.477
J1295	0.08	0.39	1290.07	4/13/2017 12:21	0.39	7.17	34.72	0.134	2.1	-0.184	0	0	18.61	0	0	0	0	56.32	4.431	0.616
J1297	0.62	2.21	1276.21	4/13/2017 14:30	2.21	10.76	405.87	0.089	40.6	-0.041	0	0	15.79	0	0	0	0	628.7	25.017	0.646
J1299	0.12	0.45	1283.45	4/13/2017 12:21	0.45	7.02	35.17	0.089	2.19	-0.829	0	0	24.55	0	0	0	0	68.95	5.012	0.51
J13	0.06	0.52	1376.6	4/13/2017 12:00	0.52	13.69	41.5	0.158	0.801	-1.534	0	0	16.48	0	0	0	0	19.07	3.526	2.176
J1301	0.7	2.42	1267.48	4/13/2017 12:39	2.42	21.76	263.44	0.274	17.7	-0.542	0	0	22.58	0	0	0	0	1666.89	37.553	0.158
J1305	0.11	0.69	1298.69	4/13/2017 12:01	0.69	20.13	47.43	0.276	0.956	-0.522	0	0	17.31	0	0	0	0	36.12	5.958	1.313
J1307	0.09	0.58	1295.39	4/13/2017 12:00	0.58	9.68	51.67	0.141	1.1	-0.463	0	0	25.42	0	0	0	0	40.66	6.974	1.271
J1309	0.05	0.38	1314	4/13/2017 12:02	0.38	8.26	21.55	0.095	0.312	-2.373	0	0	20.62	0	0	0	0	13.41	0	1.607
J131	0.06	0.28	1266.13	4/13/2017 12:00	0.28	18.12	18.54	0.307	1.18	-0.423	0	0	22.72	0	0	0	0	34.94	0.603	0.531
J1316	0.71	2.02	1275.05	4/13/2017 14:31	2.02	4.38	405.82	0.027	40.7	-0.034	0	0	17.98	0	0	0	0	633.8	25.017	0.64
J1318	0.02	0.27	1317.78	4/13/2017 12:02	0.27	4.96	15.65	0.068	0.209	-3.544	0	0	20.73	0	0	0	0	9.44	0	1.658
J1324	0.76	2.67	1302.69	4/13/2017 12:49	2.67	0	54.83	0	2.71	-1.713	0	0	16.33	0	0	0	0	77.13	4.449	0.711
J133	0.05	0.43	1297.13	4/13/2017 12:15	0.43	0	34.14	0	0.85	-0.792	0	0	23.57	0	0	0	0	25.09	1.179	1.361
J1330	0.17	1.69	1302.69	4/13/2017 12:49	1.69	0	59.96	0	2.71	-0.143	0	0	16.31	0	0	0	0	77.13	4.449	0.777
J1332	0.06	0.49	1290.11	4/13/2017 12:00	0.49	7.04	56.79	0.073	1.18	-0.319	0	0	33.51	0	0	0	0	43.69	7.472	1.3
J1334	0.05	0.43	1287.54	4/13/2017 12:01	0.43	0	56.46	0	1.18	-0.337	0	0	33.57	0	0	0	0	43.69	7.472	1.292
J1336	0.01	0.21	1326.6	4/13/2017 12:00	0.21	11.47	11.47	0.139	0.139	-1.934	0	0	17.79	0	0	0	0	7.22	0	1.589
J1344	2.12	4.23	1266.27	4/13/2017 16:24	4.23	2.77	1526.4	0.015	293	0.09	0	0	39.77	0	0	0	0	610.86	34.495	2.499
J1346	0.02	0.33	1289.96	4/13/2017 12:00	0.33	19.45	19.45	0.214	0.214	-4.473	0	0	16.67	0	0	0	0	8.77	0.128	2.218
J135	0.03	0.24	1295.73	4/13/2017 12:21	0.24	0	43.29	0	1.23	-5.731	0	0	29.76	0	0	0	0	81.12	2.737	0.534
J1350	2.25	4.38	1267.11	4/13/2017 16:24	4.38	23.99	1526.45	0.302	293	0.113	0	0	42.62	0	0	0	0	606.05	34.471	2.519
J1354	0.21	0.77	1285.77	4/13/2017 12:00	0.77	18.01	72.37	0.229	1.42	-0.418	0	0	33.23	0	0	0	0	56.35	9.165	1.284
J1358	0.01	0.29	1312.29	4/13/2017 12:02	0.29	10.48	30.59	0.146	0.466	-0.585	0	0	21.71	0	0	0	0	18.21	0	1.68
J1362	0.03	0.17	1286	4/13/2017 11:55	0.17	4.72	4.72	0.088	0.088	-2.057	0	0	17.83	0	0	0	0	4.06	0.822	1.163
J1364	0.13	0.52	1277.52	4/13/2017 13:52	0.52	2.36	35.09	0.02	2.23	-1.263	0	0	24.48	0	0	0	0	71.37	5.124	0.492
J1369	0.03	0.26	1282.26	4/13/2017 12:03	0.26	13.78	30.59	0.228	0.505	-1.268	0	0	12.74	0	0	0	0	15.58	0.518	1.963
J137	0.02	0.29	1303.29	4/13/2017 12:00	0.29	11.51	11.51	0.204	0.204	-0.693	0	0	10.71	0	0	0	0	5.75	0.476	2.002
J1371	0.84	3.04	1270.04	4/13/2017 14:33	3.04	12.1	405.82	0.101	40.8	-0.054	0	0	18.96	0	0	0	0	643.06	25.39	0.631
J1377	0.05	0.36	1292.36	4/13/2017 11:55	0.36	13.79	13.79	0.254	0.254	-1.297	0	0	26.64	0	0	0	0	16.58	2.221	0.832
J1379	0.09	0.75	1283.75	4/13/2017 12:00	0.75	0	70.97	0	1.42	-0.234	0	0	35.25	0	0	0	0	56.35	9.165	1.259
J138	0.1	0.48	1265.72	4/13/2017 12:19	0.48	0	17.71	0	0.655	-1.74	0	0	33.52	0	0	0	0	42.37	4.096	0.418
J1385	0.06	0.35	1302.1	4/13/2017 12:03	0.35	26.5	53.85	0.376	0.966	-1.248	0	0	13.65	0	0	0	0	32.55	0.671	1.654
J1388	0.08	0.41	1270.33	4/13/2017 12:03	0.41	0	45.78	0	0.938	-0.31	0	0	16.59	0	0	0	0	28.25	1.341	1.621
J139	0.17	1.02	1269.81	4/13/2017 12:17	1.02	0	20.75	0	0.648	-1.055	0	0	12.98	0	0	0	0	42.37	4.096	0.49
J1390	0.03	0.67	1310.67	4/13/2017 12:02	0.67	7.45	37.04	0.104	0.573	-1.003	0	0	21.33	0	0	0	0	21.65	0	1.711
J1392	0.17	0.96	1295.49	4/13/2017 12:06	0.96	24.62	86.97	0.335	4.1	-0.296	0	0	16.04	0	0	0	0	123.33	7.042	0.705
J1394	0.04	0.38	1309.88	4/13/2017 12:04	0.38	0	36.73	0	0.578	-1.853	0	0	13.62	0	0	0	0	21.65	0	1.697
J1396	0.09	0.24	1301.24	4/13/2017 12:00	0.24	8	8	0.127	0.127	-2.282	0	0	16.76	0	0	0	0	4.5	1.125	1.778
J1398	0.04	0.38	1275.7	4/13/2017 12:02	0.38	24.12	49.05	0.417	0.928	-0.985	0	0	16.62	0	0	0	0	28.25	1.341	1.736
J14	0.2	1.7	1350.17	4/13/2017 12:07	1.7	9.2	21.2	0.111	0.273	-1.256	0	0	11.3	0	0	0	0	15.54	1.258	1.364
J1403	0.04	0.37	1265.79	4/13/2017 12:04	0.37	9.17	53.29	0.145	1.09	-0.661	0	0	15.63	0	0	0	0	38.17	1.47	1.396
J1406	1.08	2.34	1264.33	4/13/2017 16:26	2.34	5.22	1526.4	0.034	293	0.033	0	0	40.66	0	0	0	0	616.6	34.617	2.476

Junctions SWMM 2-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J141	0.16	0.7	1312.44	4/13/2017 12:04	0.7	10.04	60.21	0.133	1.12	-0.222	0	0	16.3	0	0	0	0	32.53	1.246	1.851
J1410	0.06	0.56	1268.56	4/13/2017 12:04	0.56	0	45.7	0	0.941	-0.317	0	0	15.44	0	0	0	0	28.25	1.341	1.618
J1415	0.78	2.73	1268.73	4/13/2017 14:36	2.73	0	405.75	0	40.8	-0.048	0	0	19.27	0	0	0	0	643.06	25.39	0.631
J1420	0.37	1.42	1283.42	4/13/2017 12:23	1.42	12.09	81.51	0.174	5.02	-0.866	0	0	47.58	0	0	0	0	160.74	13.189	0.507
J1422	1.54	3.25	1264.25	4/13/2017 16:26	3.25	1.23	1526.32	0.005	293	0.033	0	0	25.75	0	0	0	0	617.77	34.617	2.471
J1426	0.07	0.47	1280.47	4/13/2017 12:00	0.47	14.51	18.89	0.245	0.335	-4.03	0	0	23.53	0	0	0	0	16.81	3.111	1.124
J1428	0.03	0.23	1284.32	4/13/2017 12:00	0.23	7.75	7.75	0.135	0.135	-5.238	0	0	22.77	0	0	0	0	6.91	1.224	1.122
J143	0.12	0.94	1314.94	4/13/2017 12:09	0.94	13.3	22.29	0.216	0.487	-0.7	0	0	8.06	0	0	0	0	11.6	1.712	1.922
J1430	1.77	2.89	1265.18	4/13/2017 18:02	2.89	3.74	450.86	0.051	99.9	0.041	0	0	28.11	0	0	0	0	544.64	41.247	0.828
J1432	0.01	0.17	1297.79	4/13/2017 12:00	0.16	5.84	5.84	0.071	0.071	-5.647	0	0	20.83	0	0	0	0	3.82	0.425	1.529
J1435	1.24	2.85	1262.85	4/13/2017 16:28	2.85	3.79	1526.52	0.015	293	0.014	0	0	39.15	0	0	0	0	643.05	37.727	2.374
J1446	0.02	0.29	1269.37	4/13/2017 12:00	0.28	17.77	17.77	0.253	0.253	-0.895	0	0	32.71	0	0	0	0	13.54	1.54	1.312
J145	0.06	0.37	1312.37	4/13/2017 12:10	0.37	0	17.02	0	0.49	-0.564	0	0	8.63	0	0	0	0	11.6	1.712	1.467
J1452	1.41	3.37	1262.08	4/13/2017 16:29	3.37	2.94	1526.52	0.012	293	0.041	0	0	38.63	0	0	0	0	647.82	37.727	2.356
J1454	1.03	2.78	1263.71	4/13/2017 14:41	2.78	6.29	418.55	0.046	44.1	-0.182	0	0	30.22	0	0	0	0	766.97	33.04	0.546
J1463	1.21	2.62	1259.66	4/13/2017 18:09	2.62	9.47	450.7	0.174	99.8	0.031	0	0	29.38	0	0	0	0	576.72	45.012	0.781
J1465	0.04	0.19	1292.19	4/13/2017 12:02	0.19	8.34	8.34	0.126	0.126	-10.459	0	0	23.81	0	0	0	0	10.55	1.001	0.791
J1467	1.59	3.85	1261.52	4/13/2017 16:30	3.85	0	1526.44	0	293	0.135	0	0	28.15	0	0	0	0	647.82	37.727	2.356
J1469	0.02	0.07	1280.07	4/13/2017 12:04	0.07	7.29	7.9	0.04	0.32	-3.945	0	0	16.93	0	0	0	0	36.79	1.257	0.215
J147	0.09	0.7	1317.7	4/13/2017 12:02	0.7	0	13.35	0	0.266	-1.039	0	0	13.3	0	0	0	0	6.37	1.005	2.096
J1475	0.4	1.97	1285.97	4/13/2017 12:21	1.97	15.29	108.32	0.22	4.82	-0.48	0	0	18.03	0	0	0	0	152.87	11.746	0.709
J1478	3.47	6.07	1270.07	4/13/2017 17:56	6.07	0.67	448.09	0.012	93.4	0.782	0	0	22.93	0	0	0	0	249.46	14.215	1.796
J148	0.05	0.37	1315.37	4/13/2017 12:05	0.37	0	11.27	0	0.269	-0.78	0	0	8.63	0	0	0	0	6.37	1.005	1.769
J1480	0.03	0.39	1271.43	4/13/2017 12:00	0.39	18.1	18.1	0.217	0.217	-0.234	0	0	13.61	0	0	0	0	24.1	1.565	0.751
J1482	0.02	0.04	1278.04	4/13/2017 0:00	0.04	2.34	4.28	0.011	0.344	-6.198	0	0	13.96	0	0	0	0	40.02	1.275	0.107
J1484	0.01	0.29	1283.37	4/13/2017 12:01	0.29	25.14	25.14	0.325	0.325	-1.492	0	0	11.71	0	0	0	0	10.48	0	2.399
J15	0.04	0.57	1355.57	4/13/2017 12:00	0.57	9.41	46.79	0.125	0.677	-0.387	0	0	42.43	0	0	0	0	16.18	2.052	2.892
J1500	0.04	0.49	1264.49	4/13/2017 12:01	0.49	16.97	33.51	0.191	0.446	-3.915	0	0	34.51	0	0	0	0	19.44	2.142	1.724
J1504	0.98	2.06	1261.06	4/13/2017 18:07	2.06	1.99	450.61	0.021	99.7	0.036	0	0	29.94	0	0	0	0	567.79	43.503	0.794
J151	0.2	1.89	1307.89	4/13/2017 12:11	1.89	6.12	130.61	0.105	3.14	-0.254	0	0	36.11	0	0	0	0	166.62	14.97	0.784
J1510	0.06	0.26	1265.35	4/13/2017 12:01	0.26	8.79	8.79	0.144	0.144	-6.784	0	0	12.74	0	0	0	0	20.75	1.168	0.424
J152	0.1	0.86	1347.86	4/13/2017 12:21	0.86	0	23.57	0	0.248	-10.398	0	0	80.14	0	0	0	0	60.86	5.884	0.387
J1525	0.1	0.23	1281.87	4/13/2017 12:02	0.23	2.53	2.53	0.015	0.015	-27.538	0	0	13.77	0	0	0	0	6.55	0.054	0.386
J1527	0.01	0.2	1283.24	4/13/2017 12:00	0.2	10.4	18.79	0.14	0.296	-1.844	0	0	12.8	0	0	0	0	112.07	6.922	0.168
J1536	0	0.1	1264.12	4/13/2017 12:02	0.1	3.46	3.46	0.014	0.014	-29.589	0	0	29.9	0	0	0	0	6.26	0	0.553
J1538	0	0.07	1281.07	4/13/2017 12:00	0.07	6.81	6.81	0.039	0.039	-2.831	0	0	21.93	0	0	0	0	11.94	0.124	0.57
J1542	1.54	3	1258	4/13/2017 18:13	3	4.28	450.75	0.06	101	0.032	0	0	29	0	0	0	0	638.61	50.638	0.706
J1544	0.03	0.35	1279.35	4/13/2017 12:06	0.35	18.02	29.75	0.261	0.576	-2.524	0	0	13.65	0	0	0	0	120.28	7.093	0.247
J1551	0.02	0.22	1281.71	4/13/2017 12:05	0.22	0	19.69	0	0.301	-4.368	0	0	13.78	0	0	0	0	112.07	6.922	0.176
J1553	0	0.07	1267.49	4/13/2017 12:00	0.07	3.53	3.53	0.037	0.037	-1.572	0	0	9.93	0	0	0	0	7.33	0.247	0.482
J1560	0.02	0.25	1276.25	4/13/2017 12:03	0.25	7.21	45.55	0.073	0.606	-2.88	0	0	22.75	0	0	0	0	27.25	2.408	1.672
J1563	0.07	0.15	1266.52	4/13/2017 12:02	0.15	0	3.37	0	0.038	-15.604	0	0	16.85	0	0	0	0	7.33	0.247	0.46
J1567	1.13	2.63	1270.63	4/13/2017 17:52	2.63	11.14	455.02	0.108	94	0.258	0	0	31.37	0	0	0	0	218.67	13.815	2.081
J157	0.11	1.16	1307.87	4/13/2017 12:01	1.16	0	44.54	0	0.599	-0.392	0	0	8.84	0	0	0	0	17.65	2.83	2.524
J1571	0.14	0.7	1272.7	4/13/2017 12:19	0.7	9.38	43.85	0.072	0.696	-10.195	0	0	18.3	0	0	0	0	33.96	2.599	1.291
J1573	0.02	0.29	1267.45	4/13/2017 12:00	0.29	0	30.22	0	0.484	-0.347	0	0	14.71	0	0	0	0	11.13	1.755	2.715
J158	0.16	2.51	1356.51	4/13/2017 12:02	2.51	0	55.1	0	0.727	-0.109	0	0	29.49	0	0	0	0	19.6	1.215	2.811
J1584	0.06	0.4	1269.87	4/13/2017 12:00	0.4	30.45	30.45	0.483	0.483	-0.218	0	0	12.6	0	0	0	0	11.13	1.755	2.736
J1586	1.07	2.41	1277.43	4/13/2017 17:32	2.41	0	454.46	0	91.5	0.156	0	0	21.59	0	0	0	0	83.18	0.991	5.464
J1588	0.01	0.12	1260.12	4/13/2017 12:00	0.12	13.48	13.48	0.18	0.18	-1.38	0	0	8.88	0	0	0	0	15.44	0.684	0.873
J159	0.06	0.79	1351.99	4/13/2017 12:03	0.79	0	43.55	0	0.728	-0.145	0	0	12.21	0	0	0	0	19.6	1.215	2.222
J1590	0.06	0.53	1279.89	4/13/2017 12:00	0.52	15.94	40.4	0.213	0.524	-1.672	0	0	22.47	0	0	0	0	23	2.1	1.757
J1593	1.54	3.34	1275.34	4/13/2017 17:35	3.34	3.13	454.43	0.015	91.4	0.216	0	0	20.66	0	0	0	0	90.61	1.033	5.015
J1597	0.1	0.36	1271.98	4/13/2017 12:21	0.36	23.64	41.39	0.35	0.941	-10.736	0	0	23.64	0	0	0	0	132.63	8.743	0.312
J16	0.17	1.27	1264.27	4/13/2017 12:16	1.27	0	105.83	0	3.22	-0.282	0	0	13.73	0	0	0	0	111.87	12.188	0.946
J1601	0.02	0.33	1265.35	4/13/2017 12:00	0.33	13.01	42.72	0.191	0.677	-0.288	0	0	14.67	0	0	0	0	16.43	2.104	2.6
J1609	0.95	2.08	1272.58	4/13/2017 17:39	2.08	2.76	455.08	0.016	94.1	0.193	0	0	38.92	0	0	0	0	210.63	13.23	2.161

Junctions SWMM 2-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J161	0.04	0.41	1337.91	4/13/2017 12:01	0.41	0	37.34	0	0.747	-0.239	0	0	16.59	0	0	0	0	17.86	1.982	2.091
J1613	0.04	0.31	1254.4	4/13/2017 12:00	0.31	8.97	8.97	0.089	0.089	-0.755	0	0	34.69	0	0	0	0	7.94	0.401	1.13
J1615	0.04	0.3	1285.3	4/13/2017 12:21	0.3	0.43	17.64	0.001	0.568	-0.928	0	0	20.7	0	0	0	0	51.82	0.59	0.34
J1617	0.16	1.28	1269.28	4/13/2017 12:06	1.28	0	116.02	0	1.93	-2.687	0	0	29.72	0	0	0	0	97.32	10.094	1.192
J1619	0.03	0.36	1264.36	4/13/2017 12:00	0.36	6.7	48.93	0.088	0.766	-0.7	0	0	21.64	0	0	0	0	19.23	2.117	2.544
J162	0.23	3.35	1378.35	4/13/2017 12:03	3.35	16.11	96.89	0.188	1.24	-0.605	0	0	18.65	0	0	0	0	32.49	4.147	2.982
J1623	0.58	0.81	1255.91	4/13/2017 13:32	0.81	8.17	56.52	0.102	1.13	-0.186	0	0	14.19	0	0	0	0	50.69	2.464	1.115
J1625	0.08	0.7	1286.7	4/13/2017 12:20	0.7	1.43	17.78	0.006	0.559	-1.425	0	0	12.3	0	0	0	0	51.21	0.59	0.347
J1627	0.44	0.66	1255.91	4/13/2017 13:32	0.66	14.52	67.73	0.156	1.07	3.213	0	0	17.34	0	0	0	0	45.05	2.152	1.503
J1629	0.02	0.3	1291.82	4/13/2017 12:00	0.29	16	26.1	0.169	0.308	-1.029	0	0	20.7	0	0	0	0	13.65	1.045	1.912
J1633	0.07	0.27	1269.84	4/13/2017 12:00	0.27	6.23	6.23	0.11	0.11	-2.261	0	0	11.73	0	0	0	0	7.99	0.939	0.78
J1635	1.62	3.22	1274.16	4/13/2017 17:37	3.22	11.27	455.15	0.123	94.3	0.225	0	0	37.78	0	0	0	0	203.97	13.184	2.231
J1637	0.07	0.32	1265.65	4/13/2017 12:00	0.32	5.17	10.07	0.107	0.22	-2.202	0	0	11.68	0	0	0	0	13.84	1.938	0.728
J1643	0.05	0.42	1288.42	4/13/2017 12:18	0.42	2.22	18.59	0.015	0.534	-3.256	0	0	9.58	0	0	0	0	46.86	0.59	0.397
J1645	0.1	0.35	1306.35	4/13/2017 12:00	0.35	12.28	12.28	0.138	0.138	-0.521	0	0	15.65	0	0	0	0	9.3	0.517	1.32
J1647	0.02	0.27	1260.57	4/13/2017 12:00	0.27	24.47	58.79	0.285	0.807	-0.456	0	0	26.73	0	0	0	0	24.9	1.641	2.361
J1649	0.07	0.14	1253.82	4/13/2017 11:55	0.14	4.12	6.96	0.074	1.36	-0.022	0	0	14.86	0	0	0	0	66.22	4.176	0.105
J1653	0.23	1	1254	4/13/2017 12:09	1	19.08	72.34	0.293	2.4	-1.656	0	0	31	0	0	0	0	182.96	13.215	0.395
J1660	0.09	0.44	1256.94	4/13/2017 12:02	0.44	6.96	64.49	0.048	0.858	-5.612	0	0	26.56	0	0	0	0	28.37	1.711	2.273
J1662	1.84	3.8	1255.8	4/13/2017 17:52	3.8	8.12	451.3	0.053	102	0.277	0	0	23.2	0	0	0	0	716.68	57.976	0.63
J1664	0.08	0.45	1289.53	4/13/2017 12:01	0.45	0	56.84	0	0.957	-0.08	0	0	10.55	0	0	0	0	29.92	3.863	1.9
J1669	0.01	0.09	1265.11	4/13/2017 11:55	0.09	2.24	2.24	0.046	0.046	-3.763	0	0	117.91	0	0	0	0	684.31	38.899	0.003
J1673	0.83	2.23	1253.23	4/13/2017 14:57	2.23	3.62	406.42	0.016	45.3	-0.029	0	0	21.77	0	0	0	0	813.9	36.192	0.499
J1675	0.04	0.19	1259.89	4/13/2017 12:18	0.19	0	11.24	0	0.48	-3.429	0	0	14.81	0	0	0	0	62	3.587	0.181
J1677	0.03	0.17	1263.81	4/13/2017 12:06	0.17	0.93	8.67	0.019	0.244	-2.948	0	0	10.83	0	0	0	0	21.67	2.118	0.4
J1679	0.04	0.79	1289.79	4/13/2017 12:00	0.79	13.3	13.3	0.096	0.096	-2.997	0	0	9.21	0	0	0	0	18.65	0.003	0.713
J1681	0.03	0.28	1296.64	4/13/2017 12:00	0.28	4.45	12.24	0.058	0.154	-2.053	0	0	18.72	0	0	0	0	7.85	0.79	1.559
J1683	0.09	0.67	1276.67	4/13/2017 12:03	0.67	15.4	117.51	0.164	1.9	-1.612	0	0	30.33	0	0	0	0	60.86	7.224	1.931
J1687	0.13	0.28	1258.37	4/13/2017 12:23	0.28	0.02	10.85	0	0.498	-3.296	0	0	20.72	0	0	0	0	64.28	3.59	0.169
J1691	0.04	0.31	1289.94	4/13/2017 12:00	0.31	11.71	11.71	0.176	0.176	-0.122	0	0	9.69	0	0	0	0	7.6	1.175	1.541
J1693	0.1	0.16	1251.16	4/13/2017 12:01	0.16	0.03	6.86	0.001	1.36	-0.423	0	0	25.84	0	0	0	0	70.19	4.182	0.098
J1697	0.88	2.83	1250.83	4/13/2017 15:00	2.83	0	406.69	0	45.9	-0.059	0	0	24.17	0	0	0	0	890.28	40.185	0.457
J1699	0.68	0.91	1255.91	4/13/2017 13:32	0.91	4.11	51.22	0.076	1.21	-0.414	0	0	14.09	0	0	0	0	55.76	3.131	0.919
J17	0.16	0.58	1296.13	4/13/2017 12:00	0.58	18.09	102.24	0.27	1.63	-0.183	0	0	14.42	0	0	0	0	59.17	10.144	1.728
J1701	0.04	0.33	1288.51	4/13/2017 12:00	0.33	0	11.59	0	0.176	-0.353	0	0	10.67	0	0	0	0	7.6	1.175	1.525
J1704	0.09	0.38	1294.69	4/13/2017 12:19	0.38	1.83	22.12	0.011	0.374	-4.002	0	0	14.62	0	0	0	0	22.56	0.587	0.98
J1707	0.06	0.43	1300.43	4/13/2017 12:00	0.43	37.57	37.57	0.601	0.601	-0.957	0	0	22.57	0	0	0	0	17.94	2.482	2.094
J1711	0.99	2.74	1249.74	4/13/2017 15:02	2.73	0	406.67	0	45.9	-0.141	0	0	26.26	0	0	0	0	890.28	40.185	0.457
J1713	0.03	0.31	1295.77	4/13/2017 12:00	0.31	24.06	24.06	0.375	0.375	-0.45	0	0	17.69	0	0	0	0	10.6	1.475	2.27
J1719	0.09	0.37	1263.37	4/13/2017 12:00	0.37	11.47	13.08	0.239	0.291	-20.67	0	0	26.63	0	0	0	0	693.14	41.121	0.019
J1721	0.05	0.48	1307.48	4/13/2017 12:00	0.48	32.96	60.41	0.407	0.771	-0.613	0	0	18.52	0	0	0	0	22.9	3.016	2.638
J1729	0.06	0.48	1290.24	4/13/2017 12:00	0.48	24.92	60.11	0.344	0.951	-0.701	0	0	22.52	0	0	0	0	29.92	3.863	2.009
J1735	0.04	0.58	1303.58	4/13/2017 12:00	0.58	14.68	14.68	0.157	0.157	-0.966	0	0	11.42	0	0	0	0	7.48	0.476	1.963
J1745	0.02	0.18	1302.18	4/13/2017 12:01	0.18	6.08	32.68	0.073	1.2	-0.638	0	0	12.82	0	0	0	0	36.08	4.249	0.906
J1758	0.04	0.39	1309.39	4/13/2017 12:00	0.39	27.52	27.52	0.363	0.363	-0.094	0	0	16.61	0	0	0	0	10.39	1.458	2.649
J1763	2.91	5.68	1243.18	4/13/2017 15:17	5.68	0.15	2201.34	0.003	472	0.128	0	0	29.32	0	0	0	0	3478.99	268.957	0.633
J1770	0.04	0.34	1309.37	4/13/2017 12:04	0.34	18.88	26.19	0.236	0.334	-8.022	0	0	14.66	0	0	0	0	21.65	0.587	1.21
J1776	1.92	3.89	1253.8	4/13/2017 16:33	3.89	13.68	1813.65	0.229	392	0.085	0	0	52.11	0	0	0	0	1458.2	102.249	1.244
J1780	0.28	2.2	1314.2	4/13/2017 12:21	2.2	10.75	49.48	0.126	0.95	-0.999	0	0	13.8	0	0	0	0	25.46	3.457	1.943
J1786	0.02	0.27	1307.56	4/13/2017 12:02	0.27	0	14.21	0	0.199	-3.065	0	0	15.73	0	0	0	0	9.74	0.628	1.459
J1793	0.05	0.38	1322.38	4/13/2017 12:00	0.38	24.43	40.37	0.318	0.808	-1.912	0	0	20.62	0	0	0	0	20.51	2.817	1.968
J1795	0.01	0.12	1313.65	4/13/2017 12:00	0.12	7.61	7.61	0.097	0.097	-0.889	0	0	14.88	0	0	0	0	5.06	0.36	1.504
J1797	0.02	0.22	1314.85	4/13/2017 12:00	0.22	14.77	14.77	0.195	0.195	-1.785	0	0	15.78	0	0	0	0	9.74	0.628	1.516
J18	0.12	0.79	1257.78	4/13/2017 12:16	0.79	0	105.64	0	3.23	-0.34	0	0	29.21	0	0	0	0	111.87	12.188	0.944
J1806	0.06	0.37	1292.71	4/13/2017 12:10	0.37	0	18.37	0	0.359	-8.075	0	0	30.63	0	0	0	0	16.41	2.581	1.119
J1815	0.08	0.7	1264.89	4/13/2017 12:15	0.7	15.31	105.97	0.185	3.21	-0.312	0	0	21.3	0	0	0	0	111.87	12.188	0.947
J1817	0.07	0.52	1344.05	4/13/2017 12:00	0.52	36.39	36.39	0.481	0.481	-2.51	0	0	20.48	0	0	0	0	10.81	1.784	3.366

Junctions SWMM 2-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J1819	0.11	0.89	1271.67	4/13/2017 12:02	0.89	19.03	66.7	0.203	1.01	-1.402	0	0	23.11	0	0	0	0	50.9	4.137	1.31
J1824	0.04	0.44	1344.44	4/13/2017 12:00	0.44	28.37	28.37	0.375	0.375	-1.033	0	0	22.56	0	0	0	0	11.64	1.097	2.437
J1829	0.05	0.53	1266.83	4/13/2017 12:02	0.53	33.7	185.64	0.538	3.13	-0.401	0	0	14.47	0	0	0	0	104.32	17.075	1.78
J1831	0.01	0.2	1280.89	4/13/2017 12:00	0.2	14.68	14.68	0.188	0.188	-0.269	0	0	10.8	0	0	0	0	9.74	0.769	1.507
J1838	0.18	1.44	1278.44	4/13/2017 12:14	1.44	9.59	105.42	0.129	3	-0.406	0	0	17.56	0	0	0	0	105.77	10.988	0.997
J1840	0.1	0.83	1274.27	4/13/2017 12:14	0.83	0	105.12	0	3.02	-0.18	0	0	21.17	0	0	0	0	105.77	10.988	0.994
J1842	0.1	0.47	1280.47	4/13/2017 12:08	0.47	16.23	33.08	0.247	0.642	-0.87	0	0	14.53	0	0	0	0	42.37	4.096	0.781
J1844	0.07	0.5	1260.84	4/13/2017 12:00	0.5	29.86	66.43	0.383	0.872	-2.544	0	0	33.5	0	0	0	0	21.53	2.292	3.085
J1846	0.1	0.89	1300.28	4/13/2017 12:00	0.89	66.02	66.02	0.933	0.933	-0.851	0	0	14.11	0	0	0	0	23.58	2.384	2.8
J1848	0.05	0.41	1288.24	4/13/2017 12:00	0.41	21.43	21.43	0.319	0.319	-0.254	0	0	19.59	0	0	0	0	8.11	0.85	2.642
J1850	0.04	0.51	1278.54	4/13/2017 12:00	0.51	11.21	70.94	0.114	1.12	-1.331	0	0	19.49	0	0	0	0	24.92	4.049	2.847
J1852	1.19	2.49	1278.49	4/13/2017 12:14	2.49	6.63	104.05	0.078	2.86	-0.651	0	0	16.51	0	0	0	0	102.76	10.589	1.013
J1855	0.16	0.53	1276.54	4/13/2017 12:01	0.53	7.72	159.94	0.12	2.58	-0.407	0	0	12.47	0	0	0	0	91.07	15.037	1.756
J1858	0.06	0.91	1267.56	4/13/2017 12:00	0.91	18.75	131.93	0.275	1.86	-1.275	0	0	31.09	0	0	0	0	46.02	4.611	2.867
J1860	0.17	0.96	1284.14	4/13/2017 12:11	0.96	13.34	102.5	0.184	2.57	-2.231	0	0	41.04	0	0	0	0	97.81	9.889	1.048
J1866	0.38	2.52	1260.52	4/13/2017 12:20	2.52	47.93	759.34	0.699	24.6	0.054	0	0	63.48	0	0	0	0	572.4	68.021	1.327
J1871	0.42	3.98	1265.98	4/13/2017 12:19	3.98	14.04	770.03	0.173	23.8	-0.142	0	0	30.02	0	0	0	0	557.95	64.942	1.38
J1873	0.17	2.23	1284.21	4/13/2017 12:00	2.22	33.82	118.15	0.424	1.57	-0.618	0	0	29.77	0	0	0	0	39.87	3.574	2.963
J1879	0.02	0.3	1281.97	4/13/2017 12:01	0.3	22.24	154.7	0.236	2.45	-0.188	0	0	13.7	0	0	0	0	88.08	14.287	1.756
J1881	0.62	3.34	1273.36	4/13/2017 12:16	3.34	35.15	745.6	0.453	22.4	-0.397	0	0	30.66	0	0	0	0	528.49	60.574	1.411
J1883	0.15	0.91	1284.11	4/13/2017 12:11	0.91	9.42	102.25	0.13	2.75	-0.885	0	0	41.09	0	0	0	0	100.75	10.433	1.015
J1885	0.05	0.65	1298.78	4/13/2017 12:00	0.65	37.42	37.42	0.487	0.487	-0.336	0	0	30.35	0	0	0	0	12.05	1.231	3.105
J1887	0.16	2.1	1276.1	4/13/2017 12:06	2.09	11.47	240.7	0.125	4.41	-0.737	0	0	23.9	0	0	0	0	109.92	9.675	2.19
J1889	0.07	0.29	1294.29	4/13/2017 12:02	0.29	6.3	24.74	0.107	0.376	-4.863	0	0	14.71	0	0	0	0	20.78	2.51	1.191
J1891	0.02	0.36	1290.49	4/13/2017 12:00	0.35	24.23	33.22	0.278	0.403	-0.96	0	0	14.64	0	0	0	0	21.19	2.268	1.568
J1894	0.01	0.22	1278.24	4/13/2017 12:00	0.22	6.99	21.54	0.107	0.295	-0.481	0	0	10.78	0	0	0	0	14.89	1.42	1.447
J1896	0.07	0.98	1289.01	4/13/2017 12:00	0.98	29.4	89.23	0.342	1.14	-0.717	0	0	33.02	0	0	0	0	31.11	1.867	2.868
J1898	0.19	1.35	1302.35	4/13/2017 12:12	1.35	0	168.37	0	3.76	-2.504	0	0	53.65	0	0	0	0	120.91	18.56	1.393
J19	0.01	0.1	1264.1	4/13/2017 11:58	0.1	0	2.1	0	0.048	-7.914	0	0	14.9	0	0	0	0	684.31	38.899	0.003
J1900	0.11	1.69	1294.19	4/13/2017 12:00	1.69	26.15	228.8	0.309	3.11	-0.986	0	0	19.31	0	0	0	0	77.66	6.559	2.946
J1905	0.12	0.94	1316.96	4/13/2017 12:00	0.94	66.1	148.12	0.789	2.05	-0.568	0	0	27.06	0	0	0	0	50.13	4.88	2.955
J1907	0.04	0.37	1292.48	4/13/2017 12:07	0.37	11.52	95.29	0.116	2.37	-0.509	0	0	16.63	0	0	0	0	92.88	9.508	1.026
J1909	0.02	0.23	1304.23	4/13/2017 12:00	0.23	19.91	19.91	0.265	0.265	-1.32	0	0	12.77	0	0	0	0	17.09	1.741	1.165
J1911	0.06	0.94	1304.1	4/13/2017 12:00	0.94	18.59	62.42	0.228	0.798	-0.199	0	0	33.06	0	0	0	0	23.3	0.765	2.679
J1913	0.11	0.37	1306.37	4/13/2017 12:00	0.37	0	9.65	0	0.12	-3.633	0	0	18.63	0	0	0	0	7.59	0.806	1.271
J1915	0.12	1.12	1297.11	4/13/2017 12:08	1.12	0	86.16	0	2.1	-0.083	0	0	14.88	0	0	0	0	79.83	8.432	1.079
J1917	0.02	0.23	1307.75	4/13/2017 12:00	0.23	9.7	9.7	0.12	0.12	-0.152	0	0	18.77	0	0	0	0	7.59	0.806	1.278
J1920	0.32	1.33	1279.33	4/13/2017 12:09	1.33	11.97	237.52	0.169	5.96	-0.601	0	0	23.67	0	0	0	0	129.4	24.88	1.836
J1922	0.04	0.63	1310.86	4/13/2017 12:00	0.63	43.9	43.9	0.57	0.57	-0.029	0	0	22.37	0	0	0	0	16.81	0.518	2.612
J1926	0.1	1.19	1307.58	4/13/2017 12:00	1.19	12.9	158.32	0.129	2.19	-0.327	0	0	23.81	0	0	0	0	53.17	5.187	2.978
J1928	0.16	1.14	1295.14	4/13/2017 12:08	1.14	10.71	89.59	0.143	2.25	-0.145	0	0	15.86	0	0	0	0	87.56	9.323	1.023
J1932	0.09	0.67	1297.87	4/13/2017 12:00	0.67	44.84	44.84	0.684	0.684	-0.154	0	0	28.33	0	0	0	0	14.1	3.189	3.18
J1935	0.15	0.64	1298.64	4/13/2017 12:00	0.64	7.61	85.36	0.115	1.35	-0.281	0	0	13.36	0	0	0	0	50.38	8.883	1.694
J1939	0.02	0.37	1337.37	4/13/2017 12:00	0.37	28.97	57.28	0.319	0.884	-0.153	0	0	24.63	0	0	0	0	20.99	2.324	2.729
J1941	0.11	1.68	1301.18	4/13/2017 12:08	1.68	5.84	126.34	0.057	1.85	0.212	0	0	25.32	0	0	0	0	72.19	7.265	1.75
J1945	0.08	0.35	1331.6	4/13/2017 12:00	0.35	7.68	7.68	0.148	0.148	-0.297	0	0	21.65	0	0	0	0	3.79	0.497	2.026
J1947	0.01	0.17	1303.49	4/13/2017 12:00	0.17	24.64	24.64	0.287	0.287	-0.787	0	0	22.83	0	0	0	0	13.12	1.643	1.878
J1949	0.1	0.77	1307.05	4/13/2017 12:00	0.77	23.34	109.43	0.286	1.6	-1.288	0	0	15.23	0	0	0	0	62.03	6.97	1.764
J1953	0.03	0.31	1324.68	4/13/2017 12:08	0.31	0	40.59	0	0.817	-0.838	0	0	20.69	0	0	0	0	33.88	4.505	1.198
J1956	0.02	0.38	1347.68	4/13/2017 12:00	0.38	15.45	39.97	0.219	0.553	-0.404	0	0	26.62	0	0	0	0	13.01	1.687	3.072
J1962	0.01	0.14	1350.14	4/13/2017 12:00	0.14	24.56	24.56	0.334	0.334	-0.058	0	0	20.86	0	0	0	0	8.01	0.953	3.066
J1964	0.45	2.29	1284.87	4/13/2017 12:15	2.29	10.5	316.2	0.112	10.8	-0.248	0	0	27.71	0	0	0	0	264.48	23.894	1.196
J1966	0.06	0.39	1314.83	4/13/2017 12:00	0.39	16.26	16.26	0.168	0.168	-2.83	0	0	12.61	0	0	0	0	6.3	0.113	2.581
J1971	0.15	1.49	1281.77	4/13/2017 12:19	1.49	30.8	322.84	0.383	11.2	-0.152	0	0	28.51	0	0	0	0	273.04	25.157	1.182
J1974	0.08	0.47	1287.03	4/13/2017 12:00	0.47	0	43.5	0	0.685	-0.452	0	0	28.53	0	0	0	0	14.1	3.189	3.085
J1983	0.24	0.74	1319.74	4/13/2017 12:00	0.74	0	66.52	0	0.992	-1.256	0	0	46.26	0	0	0	0	41.06	4.202	1.62
J1985	0.12	0.83	1327.32	4/13/2017 12:06	0.83	7.92	46.89	0.102	0.787	-3.724	0	0	20.17	0	0	0	0	33.88	4.505	1.384

Junctions SWMM 2-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J1987	0.04	0.34	1336.05	4/13/2017 12:03	0.34	8.35	43.6	0.091	0.674	-1.615	0	0	22.66	0	0	0	0	27.47	3.808	1.587
J1989	0.17	0.81	1296.36	4/13/2017 12:08	0.81	12.64	211.34	0.158	4.94	-0.275	0	0	21.19	0	0	0	0	108.66	20.725	1.945
J1991	0.09	0.64	1313.9	4/13/2017 12:00	0.64	23.75	89.09	0.296	1.3	-1.093	0	0	46.36	0	0	0	0	52.61	5.548	1.693
J1993	0.04	0.31	1337.31	4/13/2017 12:03	0.31	0	38.09	0	0.579	-0.632	0	0	22.69	0	0	0	0	23.57	3.483	1.616
J1997	0.36	2.02	1301.04	4/13/2017 12:09	2.02	35.87	273.03	0.434	8.65	-0.314	0	0	35.98	0	0	0	0	215.1	18.123	1.269
J1999	0.06	0.53	1328.53	4/13/2017 12:00	0.53	0	50.92	0	0.771	-1.015	0	0	21.47	0	0	0	0	31.22	3.218	1.631
J2	0.03	0.23	1287.83	4/13/2017 12:01	0.23	21.23	26.25	0.208	0.763	-1.606	0	0	35.77	0	0	0	0	29.2	2.31	0.899
J20	0.08	0.52	1304.27	4/13/2017 12:00	0.52	11.84	70.71	0.174	1.11	-0.169	0	0	11.48	0	0	0	0	39	7.166	1.813
J2001	0.11	0.88	1335.88	4/13/2017 12:05	0.88	25.58	128.14	0.369	2.02	-0.904	0	0	14.12	0	0	0	0	68.68	9.227	1.866
J2003	0.05	0.56	1302.82	4/13/2017 12:02	0.56	15.1	222.83	0.196	4.74	-0.203	0	0	32.44	0	0	0	0	104.93	20.288	2.124
J2005	0.02	0.22	1344.29	4/13/2017 12:00	0.22	7.97	7.97	0.09	0.09	-0.237	0	0	14.78	0	0	0	0	5.49	0.545	1.452
J2011	0.06	0.54	1324.66	4/13/2017 12:00	0.54	16.69	66.9	0.209	0.988	-0.417	0	0	21.46	0	0	0	0	41.06	4.202	1.629
J2016	0.02	0.25	1351.73	4/13/2017 12:01	0.25	5.34	36.63	0.084	0.466	-1.609	0	0	28.75	0	0	0	0	18.08	2.938	2.026
J2018	0.03	0.32	1331.86	4/13/2017 11:55	0.32	37.18	77.01	0.528	1.1	-0.301	0	0	19.68	0	0	0	0	23.42	5.734	3.288
J2020	0.1	0.67	1297.12	4/13/2017 12:00	0.67	60.25	60.25	0.907	0.907	-0.722	0	0	13.33	0	0	0	0	21.56	3.01	2.795
J2022	0.19	1.31	1309.32	4/13/2017 12:02	1.31	19.54	213.26	0.313	4.53	-0.158	0	0	30.69	0	0	0	0	100.39	19.68	2.124
J2024	0.01	0.16	1317.13	4/13/2017 11:55	0.16	29.45	29.45	0.439	0.439	-0.117	0	0	10.84	0	0	0	0	16.47	3.39	1.788
J2030	0.05	0.49	1338.06	4/13/2017 12:00	0.49	19.32	51.66	0.191	0.763	-1.019	0	0	107.51	0	0	0	0	31.22	3.218	1.655
J2032	0.04	0.35	1355.42	4/13/2017 12:00	0.35	15.31	32.49	0.164	0.374	-2.022	0	0	24.65	0	0	0	0	15.22	1.99	2.135
J2034	0.02	0.24	1369.46	4/13/2017 12:00	0.24	17.59	17.59	0.207	0.207	-1.567	0	0	24.76	0	0	0	0	7.39	1.043	2.38
J2036	0.07	0.73	1351.61	4/13/2017 12:01	0.73	0	123.04	0	1.6	-1.028	0	0	39.27	0	0	0	0	58.76	7.319	2.094
J2043	0.04	0.54	1333.68	4/13/2017 11:55	0.54	23.77	23.77	0.342	0.342	-0.047	0	0	23.46	0	0	0	0	7.51	1.281	3.165
J2045	0.28	1.63	1304.71	4/13/2017 12:09	1.63	33.22	260.3	0.334	8.19	-0.334	0	0	36.37	0	0	0	0	204.41	17.113	1.273
J2047	0	0.11	1322.61	4/13/2017 0:00	0.1	0	0	0	0	-99.957	0	0	34.89	0	0	0	0	0	0	0
J2050	0.03	0.32	1347.36	4/13/2017 11:55	0.32	40.57	40.57	0.574	0.574	-0.1	0	0	19.68	0	0	0	0	12.58	2.988	3.225
J2053	0.06	0.4	1347.44	4/13/2017 12:09	0.4	0	10.63	0	0.276	-0.048	0	0	16.6	0	0	0	0	15.54	1.258	0.684
J2058	0.02	0.23	1342.35	4/13/2017 12:00	0.23	19.3	19.3	0.311	0.311	-0.083	0	0	17.77	0	0	0	0	8.6	0.676	2.244
J2060	0.04	0.36	1353.49	4/13/2017 12:00	0.36	12.72	12.72	0.158	0.158	-2.639	0	0	12.64	0	0	0	0	10.23	0.704	1.243
J2071	0.11	0.91	1332.77	4/13/2017 12:04	0.91	13.33	149.42	0.201	2.91	-0.391	0	0	29.09	0	0	0	0	67.53	11.548	2.213
J2076	0.04	0.46	1348.69	4/13/2017 12:00	0.46	25.43	55.22	0.378	0.871	-2.287	0	0	18.54	0	0	0	0	24.03	1.928	2.298
J2078	0.1	0.83	1360.83	4/13/2017 12:01	0.83	0	105.94	0	1.39	-0.278	0	0	23.17	0	0	0	0	50.69	6.821	2.09
J2080	0.04	0.42	1368.76	4/13/2017 12:00	0.42	0	105.96	0	1.39	-0.059	0	0	22.58	0	0	0	0	50.69	6.821	2.09
J2087	0.02	0.37	1382.88	4/13/2017 12:00	0.36	23.2	49.65	0.281	0.585	-1.175	0	0	18.63	0	0	0	0	22.85	2.809	2.173
J2089	0.01	0.4	1361.37	4/13/2017 12:07	0.4	29.36	29.36	0.362	0.362	-0.874	0	0	22.6	0	0	0	0	11.39	0.027	2.578
J2094	0.09	0.82	1340.82	4/13/2017 12:00	0.82	20.8	121.3	0.307	1.73	-0.435	0	0	27.18	0	0	0	0	42.83	7.169	2.832
J2096	0.04	0.57	1379.57	4/13/2017 12:00	0.57	8.27	53.16	0.137	0.613	-0.731	0	0	35.43	0	0	0	0	23.72	3.128	2.241
J2098	0.06	0.9	1362.05	4/13/2017 12:02	0.9	25.99	201.88	0.322	2.84	-0.607	0	0	21.1	0	0	0	0	74.84	7.158	2.697
J21	0.52	1.17	1277.52	4/13/2017 13:54	1.17	2.35	16.76	0.034	2.86	-2.75	0	0	28.83	0	0	0	0	90.66	5.859	0.185
J2101	0.06	0.53	1365.62	4/13/2017 12:00	0.53	30.47	30.47	0.492	0.492	-0.221	0	0	17.47	0	0	0	0	14.65	0.844	2.08
J2103	0.02	0.34	1388.34	4/13/2017 12:00	0.33	15.37	45.38	0.163	0.474	-0.438	0	0	21.66	0	0	0	0	20.27	2.205	2.239
J2110	0.02	0.31	1392.73	4/13/2017 12:00	0.31	0	30.09	0	0.31	-0.345	0	0	21.69	0	0	0	0	12.68	1.462	2.373
J2112	0.18	0.81	1330.54	4/13/2017 12:00	0.81	33.63	70.74	0.417	2.59	-0.455	0	0	20.19	0	0	0	0	66.59	4.628	1.062
J2114	0.02	0.3	1358.89	4/13/2017 12:00	0.3	17.54	17.54	0.261	0.261	-1.346	0	0	23.7	0	0	0	0	6.88	0.612	2.549
J2116	0.04	0.3	1398.44	4/13/2017 12:00	0.3	26.85	26.85	0.303	0.303	-0.506	0	0	15.7	0	0	0	0	13.76	1.45	1.951
J2121	0.2	0.88	1365.88	4/13/2017 12:01	0.88	10.9	179.39	0.138	2.51	-0.358	0	0	26.12	0	0	0	0	65.76	6.774	2.728
J2123	0.03	0.38	1346.38	4/13/2017 11:55	0.38	8.94	8.94	0.123	0.123	-0.618	0	0	26.62	0	0	0	0	2.87	0.718	3.115
J2125	0.03	0.61	1375.61	4/13/2017 12:00	0.61	23.07	122.93	0.253	1.51	-0.749	0	0	25.39	0	0	0	0	44.8	0.383	2.744
J2131	0.03	0.57	1332.14	4/13/2017 12:00	0.57	0	34.62	0	0.483	-0.162	0	0	24.43	0	0	0	0	12.95	0.935	2.673
J2134	0.03	0.53	1378.33	4/13/2017 12:01	0.53	9.83	101.85	0.125	1.24	-0.694	0	0	25.47	0	0	0	0	37.53	0.235	2.714
J2136	0.02	0.24	1404.98	4/13/2017 12:00	0.24	22.56	22.56	0.218	0.218	-0.247	0	0	17.76	0	0	0	0	9.63	0.915	2.343
J2140	0.03	0.28	1395.65	4/13/2017 11:55	0.28	7.98	30.24	0.09	0.309	-0.44	0	0	17.72	0	0	0	0	12.68	1.462	2.385
J2153	0.02	0.46	1388.47	4/13/2017 12:00	0.46	8.67	92.96	0.106	1.11	-0.504	0	0	25.54	0	0	0	0	33.64	0.205	2.763
J2158	0.14	0.49	1340.34	4/13/2017 12:05	0.49	10.45	128.61	0.144	2.59	-0.728	0	0	16.51	0	0	0	0	64.57	6.26	1.992
J2160	3.02	3.14	1345.14	4/13/2017 12:00	3.14	17.94	38.74	0.318	2.16	-0.284	0	0	14.86	0	0	0	0	55.08	4.06	0.703
J2162	0.05	0.73	1389.79	4/13/2017 12:00	0.73	20.64	84.9	0.245	1	-0.742	0	0	25.27	0	0	0	0	30.33	0.2	2.799
J2170	0.16	1.54	1368.48	4/13/2017 12:28	1.54	30.2	30.2	0.42	0.425	-0.597	0	0	7.46	0	0	0	0	11.35	0.809	2.661
J2174	0.15	2.07	1346.07	4/13/2017 12:04	2.07	6.9	124.15	0.102	2.44	-0.21	0	0	13.93	0	0	0	0	61.04	5.874	2.034

Junctions SWMM 2-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2176	0.03	0.42	1378.43	4/13/2017 12:00	0.42	0	84.68	0	1.03	-0.682	0	0	19.58	0	0	0	0	29.05	2.632	2.915
J2183	0.1	0.54	1384.55	4/13/2017 12:00	0.54	30.4	84.98	0.345	1.03	-0.452	0	0	20.46	0	0	0	0	29.05	2.632	2.925
J2185	0.05	1.08	1346.08	4/13/2017 12:04	1.08	29.6	149.39	0.434	2.33	-0.701	0	0	20.92	0	0	0	0	58.47	5.596	2.555
J2197	0.04	0.56	1391.28	4/13/2017 12:00	0.56	19.95	55.34	0.199	0.681	-0.221	0	0	20.44	0	0	0	0	19.27	1.861	2.872
J22	0.13	0.24	1273.13	4/13/2017 13:54	0.24	0	14.22	0	2.94	-0.014	0	0	14.76	0	0	0	0	90.66	5.859	0.157
J2205	0.05	0.3	1366.56	4/13/2017 12:03	0.3	0	21.39	0	0.343	-1.215	0	0	11.7	0	0	0	0	9.61	0.626	2.226
J2207	0.02	0.33	1383.35	4/13/2017 12:00	0.33	14.87	61.36	0.195	0.875	-0.875	0	0	21.67	0	0	0	0	21.52	3.217	2.851
J2214	0.06	0.51	1356.02	4/13/2017 12:00	0.51	14.04	122.35	0.202	1.86	-1.51	0	0	21.49	0	0	0	0	47.05	4.597	2.6
J2216	0.03	0.38	1368.32	4/13/2017 12:00	0.38	21.92	21.92	0.339	0.339	-1.214	0	0	10.62	0	0	0	0	9.61	0.626	2.281
J2218	0.07	0.61	1388.12	4/13/2017 11:56	0.61	0	46.68	0	0.675	-0.711	0	0	28.39	0	0	0	0	15.96	2.793	2.925
J2220	0.03	0.78	1398.95	4/13/2017 12:00	0.78	28.19	65.34	0.309	0.753	-0.4	0	0	22.22	0	0	0	0	22.69	0.197	2.88
J2223	0.07	0.5	1358.12	4/13/2017 12:01	0.5	18.01	35.23	0.245	0.593	-1.792	0	0	16.5	0	0	0	0	16.78	0.9	2.1
J2227	0.03	0.49	1360.09	4/13/2017 12:00	0.49	32.89	108.92	0.388	1.66	-0.197	0	0	20.51	0	0	0	0	41.11	4.341	2.649
J2229	0.06	0.54	1394.99	4/13/2017 12:00	0.54	0	47.51	0	0.671	-0.597	0	0	31.46	0	0	0	0	15.96	2.793	2.977
J2235	0.08	0.64	1361.64	4/13/2017 12:00	0.64	0	78.12	0	1.27	-0.331	0	0	20.36	0	0	0	0	31.55	3.457	2.476
J2237	0.2	4.17	1386.78	4/13/2017 11:55	4.17	31.58	31.58	0.376	0.376	-0.026	0	0	6.83	0	0	0	0	9.01	1.501	3.505
J2243	0.07	0.36	1400.14	4/13/2017 12:00	0.36	35.84	35.84	0.482	0.482	-0.189	0	0	14.64	0	0	0	0	13.07	1.708	2.742
J2246	0.07	0.51	1365.52	4/13/2017 12:00	0.51	15.74	78.52	0.156	1.26	-0.346	0	0	25.49	0	0	0	0	31.55	3.457	2.489
J2250	0.03	0.38	1400.19	4/13/2017 11:55	0.38	48.1	48.1	0.67	0.67	-0.1	0	0	31.62	0	0	0	0	15.96	2.793	3.014
J2252	0.02	0.47	1401.66	4/13/2017 12:00	0.47	37.29	37.29	0.444	0.444	-0.138	0	0	18.53	0	0	0	0	13.47	0.139	2.768
J2269	0.02	0.25	1371.9	4/13/2017 12:00	0.25	19.09	19.09	0.274	0.274	-1.409	0	0	21.75	0	0	0	0	7.23	0.606	2.64
J2272	0.02	0.3	1356.87	4/13/2017 12:01	0.3	9.21	27.47	0.132	0.41	-2.918	0	0	21.7	0	0	0	0	10.66	0.917	2.577
J2274	0.04	0.5	1368.57	4/13/2017 12:00	0.5	11.92	65.46	0.159	1.1	-0.265	0	0	25.5	0	0	0	0	27.67	3.165	2.366
J2290	0.05	0.41	1372.41	4/13/2017 12:00	0.41	33.88	54.34	0.473	0.939	-0.471	0	0	23.59	0	0	0	0	23.89	2.712	2.275
J23	0.3	1.7	1292.7	4/13/2017 12:23	1.7	14.24	61.99	0.197	1.96	-0.363	0	0	17.3	0	0	0	0	51.58	3.371	1.202
J24	0.08	0.52	1302.37	4/13/2017 12:00	0.52	8.71	78.61	0.124	1.23	-0.217	0	0	12.48	0	0	0	0	45.45	7.996	1.73
J25	0.12	0.37	1288.71	4/13/2017 12:54	0.37	0	44.8	0	1.99	-7.064	0	0	29.63	0	0	0	0	96.94	3.681	0.462
J26	0.79	2.1	1304.78	4/13/2017 13:55	2.1	0	140.96	0	7.22	-2.078	0	0	7.9	0	0	0	0	1333.52	27.051	0.106
J2692	1.73	2.83	1340	4/13/2017 12:03	2.83	27.88	160.77	0.347	2.35	-1.322	0	0	30.17	0	0	0	0	56.42	9.439	2.85
J2693	0.02	0.31	1322.87	4/13/2017 12:09	0.31	0	73.23	0	1.25	-2.218	0	0	11.69	0	0	0	0	44.22	0.646	1.656
J2694	0.1	2.2	1296.2	4/13/2017 12:13	2.2	11.85	70.05	0.131	1.04	0.439	0	0	17.8	0	0	0	0	24.44	3.427	2.866
J2696	0.08	0.67	1324.67	4/13/2017 12:00	0.67	22.11	84.7	0.219	1.25	-0.758	0	0	27.33	0	0	0	0	30.41	3.152	2.785
J2698	0.05	0.45	1287.45	4/13/2017 12:06	0.45	0	51.54	0	0.741	-1.486	0	0	10.55	0	0	0	0	22.11	1.432	2.331
J2699	0.08	0.75	1272.75	4/13/2017 12:00	0.75	36.57	36.57	0.516	0.516	-1.224	0	0	23.25	0	0	0	0	13.23	1.247	2.764
J27	0.07	0.46	1307.43	4/13/2017 12:00	0.46	13.44	59.48	0.198	0.933	-0.189	0	0	12.54	0	0	0	0	32.26	6.458	1.844
J2705	0.19	1.13	1313.62	4/13/2017 12:03	1.13	12.09	200.76	0.165	4.22	-0.063	0	0	23.87	0	0	0	0	94.13	18.052	2.133
J2706	2.03	3.48	1265.78	4/13/2017 18:01	3.48	1.56	450.92	0.006	99.9	0.131	0	0	38.52	0	0	0	0	541.36	40.84	0.833
J2707	0.27	1.14	1269.54	4/13/2017 12:37	1.14	12.25	261.26	0.082	17.4	-0.261	0	0	26.86	0	0	0	0	1656.15	37.249	0.158
J2712	1.32	3.16	1265.16	4/13/2017 14:39	3.16	0	418.59	0	44.1	-0.076	0	0	29.84	0	0	0	0	757.82	32.815	0.552
J2714	0.04	0.29	1305.59	4/13/2017 12:11	0.29	0	15.63	0	0.62	-1.755	0	0	12.71	0	0	0	0	21.38	1.725	0.731
J2718	0.08	0.6	1294.6	4/13/2017 12:06	0.6	0	60.99	0	1.2	-1.534	0	0	13.4	0	0	0	0	43.7	2.65	1.396
J2720	0.08	0.41	1309.41	4/13/2017 12:02	0.41	0	32.44	0	0.673	-1.069	0	0	11.59	0	0	0	0	26.79	4.098	1.211
J2722	1.87	2.52	1277.52	4/13/2017 13:53	2.52	4.16	43.87	0.049	2.53	-10.36	0	0	27.48	0	0	0	0	88.12	5.594	0.498
J2723	0.19	0.34	1281.34	4/13/2017 0:00	0.34	5.44	9.93	0.029	0.191	-31.985	0	0	21.66	0	0	0	0	25.3	1.137	0.392
J2724	0.37	0.74	1293.74	4/13/2017 12:26	0.74	18.14	49.09	0.256	7.67	-0.777	0	0	19.26	0	0	0	0	1355.07	28.491	0.036
J2726	0.04	0.18	1262.52	4/13/2017 12:08	0.18	1.64	7.89	0.009	0.261	-4.197	0	0	11.82	0	0	0	0	24.45	2.144	0.323
J2729	0.84	0.96	1345.14	4/13/2017 12:00	0.96	11.4	21.61	0.148	1.83	-0.41	0	0	17.04	0	0	0	0	46.97	3.062	0.46
J2732	1.23	2.38	1262.38	4/13/2017 18:06	2.38	8.79	450.96	0.091	100	0.301	0	0	25.62	0	0	0	0	564.77	43.358	0.798
J2734	0.15	0.71	1307.36	4/13/2017 12:05	0.71	0	94.71	0	2.3	-0.066	0	0	11.29	0	0	0	0	142.79	5.198	0.663
J2736	0.06	0.47	1326.47	4/13/2017 12:02	0.47	17.84	54.02	0.185	0.689	-3.793	0	0	18.53	0	0	0	0	29.05	0	1.86
J2737	0.06	0.38	1344.38	4/13/2017 12:00	0.38	26.09	32.65	0.293	0.569	-0.468	0	0	107.62	0	0	0	0	24.67	2.91	1.323
J2739	0.05	0.7	1292.08	4/13/2017 12:07	0.7	12.06	50.89	0.21	0.999	-1.223	0	0	17.3	0	0	0	0	32.17	0.809	1.582
J2740	0.08	0.63	1275.39	4/13/2017 12:08	0.63	30.09	53.07	0.445	0.775	-12.839	0	0	11.37	0	0	0	0	25.68	0.026	2.067
J2746	0.05	0.41	1342.41	4/13/2017 12:02	0.41	0	41.85	0	0.564	-2.556	0	0	28.59	0	0	0	0	23.57	3.483	1.776
J2748	0.03	0.11	1306.65	4/13/2017 12:25	0.11	2.04	6.9	0.014	0.138	-18.544	0	0	15.89	0	0	0	0	16.68	0.004	0.414
J2750	0.08	0.62	1287.7	4/13/2017 12:01	0.62	10.37	77.21	0.074	1.21	-0.543	0	0	19.38	0	0	0	0	41.92	5.06	1.842
J2751	0.47	1	1289.89	4/13/2017 12:56	1	21.66	31.19	0.324	0.576	-16.039	0	0	7	0	0	0	0	15.82	0.944	1.972

Junctions SWMM 2-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2753	0.04	0.66	1321.71	4/13/2017 12:00	0.66	21.99	78.75	0.256	1.08	-1.016	0	0	24.34	0	0	0	0	26.27	2.992	2.998
J2754	0.04	0.59	1288.59	4/13/2017 12:00	0.59	0	71.15	0	0.932	-0.84	0	0	25.41	0	0	0	0	30.75	3.806	2.314
J2756	0.62	2.27	1281.27	4/13/2017 14:27	2.27	0	405.93	0	40.4	-0.079	0	0	14.73	0	0	0	0	606.91	24.663	0.669
J2772	0.2	0.99	1304.78	4/13/2017 13:56	0.99	0	33.1	0	0.577	-2.956	0	0	12.01	0	0	0	0	23.96	0.004	1.381
J2774	0.1	0.65	1286.65	4/13/2017 12:01	0.65	21.62	143.45	0.284	2.2	-0.81	0	0	22.35	0	0	0	0	79.29	13.518	1.809
J2776	0.08	0.88	1356.88	4/13/2017 12:00	0.88	21.02	122.97	0.197	1.6	-0.288	0	0	39.12	0	0	0	0	58.76	7.319	2.093
J2778	0.21	0.97	1298.97	4/13/2017 12:17	0.97	0	42.82	0	1.87	-1.987	0	0	15.03	0	0	0	0	58.73	6.107	0.729
J2779	0.16	1.24	1285.69	4/13/2017 12:09	1.24	11.02	233.95	0.122	5.76	-0.469	0	0	23.76	0	0	0	0	125.32	24.382	1.867
J2781	1.34	3.24	1270.24	4/13/2017 17:56	3.24	1.03	452.14	0.018	93.8	0.434	0	0	23.76	0	0	0	0	238.05	14.105	1.899
J2789	0.14	1.14	1272.16	4/13/2017 12:03	1.14	11.63	141.32	0.11	3.42	-0.639	0	0	49.86	0	0	0	0	89.65	5.747	1.576
J2790	3.88	6.76	1269.76	4/13/2017 16:20	6.76	17.75	1526.79	0.168	293	0.229	0	0	48.24	0	0	0	0	570.08	31.912	2.678
J2793	0.82	3.03	1292.05	4/13/2017 14:16	3.03	7.97	407.18	0.042	39.5	-0.079	0	0	48.97	0	0	0	0	537.16	23.499	0.758
J2795	0.39	1.45	1293.54	4/13/2017 12:09	1.45	6.92	91.21	0.106	4.29	-1.92	0	0	14.55	0	0	0	0	133.47	8.332	0.683
J2796	0.1	0.34	1291.98	4/13/2017 12:26	0.34	0	42.78	0	1.09	-2.366	0	0	10.66	0	0	0	0	40.39	2.452	1.059
J2797	0.02	0.18	1288.96	4/13/2017 12:13	0.18	3.61	18.67	0.024	0.512	-1.442	0	0	11.82	0	0	0	0	44.15	0.59	0.423
J2798	0.05	0.46	1302.87	4/13/2017 12:00	0.46	19.06	41.41	0.201	1.41	-0.232	0	0	24.54	0	0	0	0	36	2.727	1.15
J28	0.14	0.68	1322.68	4/13/2017 12:04	0.68	0	79.09	0	1.2	-1.277	0	0	12.32	0	0	0	0	33.66	1.659	2.35
J2802	0.06	0.73	1358.7	4/13/2017 12:06	0.73	11.74	180.92	0.186	3.44	-0.145	0	0	23.27	0	0	0	0	89.02	8.429	2.032
J2803	0.04	0.42	1338.91	4/13/2017 12:00	0.42	17.56	34.7	0.17	0.482	-0.212	0	0	17.58	0	0	0	0	12.95	0.935	2.68
J2807	0.16	1.6	1349.73	4/13/2017 12:41	1.6	15.31	73.79	0.159	1.18	0.026	0	0	15.4	0	0	0	0	32.1	1.839	2.299
J2812	0.02	0.18	1292.72	4/13/2017 12:00	0.18	4.16	4.16	0.068	0.068	-2.797	0	0	13.82	0	0	0	0	2.24	0.032	1.857
J2817	0.22	1.64	1316.64	4/13/2017 12:04	1.64	0	156.52	0	3.37	-0.24	0	0	17.36	0	0	0	0	373.68	13.843	0.419
J2820	0.18	0.78	1304.78	4/13/2017 13:53	0.78	12.3	120.3	0.226	3.33	-1.899	0	0	10.22	0	0	0	0	174.65	6.391	0.689
J2823	0.06	0.4	1310.4	4/13/2017 12:00	0.4	18.86	47.51	0.293	0.732	-0.382	0	0	12.6	0	0	0	0	25.44	5.286	1.868
J2829	0.23	2.17	1301.17	4/13/2017 12:08	2.16	15.77	87.35	0.251	2.1	-0.282	0	0	24.83	0	0	0	0	79.83	8.432	1.094
J2831	0.14	0.88	1289.88	4/13/2017 12:12	0.88	0	138.91	0	4.56	-0.823	0	0	16.12	0	0	0	0	140.69	9.875	0.987
J2835	0.05	0.38	1276.47	4/13/2017 12:01	0.38	6.77	50.19	0.083	0.796	-0.897	0	0	13.62	0	0	0	0	38.77	3.874	1.295
J2842	0.67	2.05	1298.05	4/13/2017 14:11	2.05	5.51	399.93	0.05	31.8	0.002	0	0	23.95	0	0	0	0	42.5	1.316	9.41
J2846	2.44	4.55	1246.8	4/13/2017 16:42	4.55	17.97	1827.11	0.362	419	0.24	0	0	46.45	0	0	0	0	2232.33	191.465	0.818
J2851	0.08	1.07	1300.07	4/13/2017 12:00	1.07	46.15	203.6	0.592	2.79	-0.201	0	0	19.93	0	0	0	0	69.44	6.079	2.932
J2857	0.14	0.82	1307.07	4/13/2017 12:09	0.82	23.79	107.54	0.403	2.94	-0.669	0	0	11.18	0	0	0	0	163.2	6.011	0.659
J2860	0.06	0.82	1280.6	4/13/2017 12:04	0.82	18.7	235.06	0.223	4.29	-0.089	0	0	24.18	0	0	0	0	106.73	9.461	2.202
J2861	0.06	0.49	1312.01	4/13/2017 12:00	0.49	75.73	75.73	1.88	1.88	-0.39	0	0	11.51	0	0	0	0	128.98	5.198	0.587
J2864	1.77	3.5	1254.49	4/13/2017 16:31	3.5	41.71	1813.75	0.629	393	0.136	0	0	62.5	0	0	0	0	1433.62	99.695	1.265
J2869	1.94	4.23	1259.08	4/13/2017 16:37	4.23	1.33	1524.57	0.028	291	0.134	0	0	113.77	0	0	0	0	676.02	38.467	2.255
J2870	0.13	0.26	1301.27	4/13/2017 13:56	0.26	0	28.71	0	6.95	-0.073	0	0	10.74	0	0	0	0	1333.52	27.051	0.022
J2878	0.07	0.67	1368.67	4/13/2017 12:00	0.67	30.38	174.16	0.414	2.34	-1.432	0	0	26.33	0	0	0	0	61.37	6.774	2.838
J2882	0.53	1.54	1286.76	4/13/2017 12:09	1.54	20.69	164.87	0.232	10.8	-0.409	0	0	18.46	0	0	0	0	1456.34	32.095	0.113
J2885	0.05	0.6	1280	4/13/2017 12:02	0.6	13.66	106.47	0.186	1.73	-0.48	0	0	24.4	0	0	0	0	50.35	6.582	2.115
J2886	0.15	1.3	1304.3	4/13/2017 12:08	1.3	33.8	233.6	0.397	6.32	-0.723	0	0	23.7	0	0	0	0	448.01	19.458	0.521
J2887	1.18	2.86	1263.36	4/13/2017 16:27	2.86	0	1526.61	0	293	0.037	0	0	26.14	0	0	0	0	634.58	37.727	2.406
J2891	0.33	3.02	1296.2	4/13/2017 12:13	3.02	0	302	0	9.91	-0.179	0	0	13.98	0	0	0	0	243.55	22.026	1.24
J2893	1.18	3.2	1277.95	4/13/2017 16:05	3.2	0	1518.16	0	286	0.068	0	0	31.8	0	0	0	0	295.37	12.261	5.14
J2894	0.26	1.22	1307.35	4/13/2017 12:10	1.22	0	251.73	0	7.84	-0.2	0	0	34.78	0	0	0	0	195.8	16.616	1.286
J2898	0.07	0.47	1254.5	4/13/2017 12:06	0.47	3.61	65.14	0.042	2.08	-1.437	0	0	31.53	0	0	0	0	171.23	11.847	0.38
J2899	0.75	2.44	1286.56	4/13/2017 14:23	2.44	6.8	407.49	0.042	39.8	0.006	0	0	49.56	0	0	0	0	561.59	23.502	0.726
J2900	0.02	0.12	1261.12	4/13/2017 12:14	0.12	3.07	12.54	0.038	0.464	-3.38	0	0	13.88	0	0	0	0	55.65	3.587	0.225
J2901	0.12	0.55	1302.55	4/13/2017 12:13	0.55	2.29	15.19	0.026	0.657	-1.472	0	0	12.45	0	0	0	0	22.65	1.858	0.671
J2902	0.46	1.29	1264.14	4/13/2017 12:42	1.29	22.42	331.98	0.246	24.2	-0.613	0	0	23.71	0	0	0	0	1907.07	47.333	0.174
J2905	0.06	0.65	1285.65	4/13/2017 12:01	0.65	11.68	115.47	0.106	2.81	-0.309	0	0	26.35	0	0	0	0	75.2	4.602	1.536
J2907	0.04	0.31	1284.31	4/13/2017 12:03	0.31	9.3	9.3	0.152	0.152	-2.542	0	0	10.69	0	0	0	0	108.49	6.603	0.086
J2913	1.83	4.29	1279.79	4/13/2017 16:01	4.29	27.75	1518.3	0.217	286	0.115	0	0	42.71	0	0	0	0	263.32	9.948	5.766
J2915	1.56	4.4	1259.4	4/13/2017 14:55	4.4	0	406.58	0	45.1	-0.112	0	0	25.6	0	0	0	0	802.92	36.077	0.506
J2917	0.09	0.61	1300.91	4/13/2017 12:07	0.61	0	76.52	0	3.76	-0.1	0	0	16.39	0	0	0	0	109.68	5.121	0.698
J2919	0.38	1.7	1273.7	4/13/2017 12:29	1.7	29.07	247.71	0.35	15	-0.639	0	0	29.3	0	0	0	0	1582.22	34.77	0.157
J2923	3.16	5.93	1248.93	4/13/2017 16:39	5.93	16.83	1826.71	0.349	419	0.145	0	0	45.07	0	0	0	0	2181.01	185.82	0.838
J2924	0.17	1.23	1279.23	4/13/2017 12:05	1.23	1.01	100.79	0.003	3.13	-1.226	0	0	19.77	0	0	0	0	147.44	11.763	0.684

Junctions SWMM 2-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2934	0.44	1.76	1279.26	4/13/2017 12:02	1.76	5.27	113.48	0.066	6.55	-0.598	0	0	47.24	0	0	0	0	221.24	22.866	0.513
J2936	1.62	3.79	1278.79	4/13/2017 16:02	3.79	11.98	1517.76	0.1	285	0.059	0	0	42.21	0	0	0	0	266.17	9.951	5.702
J2937	1.7	3.27	1258.37	4/13/2017 18:12	3.27	5.2	450.76	0.075	101	0.057	0	0	28.73	0	0	0	0	635.39	50.168	0.709
J2942	0.29	1.5	1278.5	4/13/2017 12:02	1.5	0	109.9	0	6.59	-0.198	0	0	37.5	0	0	0	0	221.24	22.866	0.497
J2945	2.4	3.97	1243.97	4/13/2017 16:47	3.97	0	1830.7	0	425	0.064	0	0	31.03	0	0	0	0	2544.34	227.774	0.72
J2949	2.57	5.12	1240.12	4/13/2017 15:27	5.12	0.2	2199.12	0.004	471	0.036	0	0	23.88	0	0	0	0	3582.93	274.53	0.614
J2952	0.21	0.36	1302.36	4/13/2017 13:56	0.36	0	28.71	0	6.95	-0.017	0	0	10.64	0	0	0	0	1333.52	27.051	0.022
J2954	0.82	2.83	1279.21	4/13/2017 12:22	2.83	29	223.97	0.318	13.1	-1.163	0	0	24.17	0	0	0	0	1527.47	32.968	0.147
J2956	1.31	3.39	1277.89	4/13/2017 16:05	3.39	0	1531.28	0	291	0.132	0	0	40.61	0	0	0	0	396.01	21.079	3.867
J2959	0.2	1.85	1273.49	4/13/2017 12:16	1.85	13.42	743.08	0.138	22	-0.138	0	0	26.15	0	0	0	0	516.37	59.748	1.439
J2960	0.53	2.02	1250.95	4/13/2017 15:00	2.02	0.01	407.22	0	45.9	-0.063	0	0	23.98	0	0	0	0	890.28	40.185	0.457
J2962	0.62	1.51	1277.51	4/13/2017 12:25	1.51	0	112.77	0	6.97	-3.413	0	0	40.49	0	0	0	0	261.26	24.142	0.432
J2963	1.36	3.49	1247.49	4/13/2017 15:20	3.49	5.01	407.4	0.104	46.5	-0.624	0	0	27.51	0	0	0	0	3151.85	232.619	0.129
J2965	2.16	5	1269.8	4/13/2017 16:20	5	10.6	1526.94	0.183	293	0.073	0	0	57	0	0	0	0	562.76	31.826	2.713
J2966	0.05	0.18	1286.18	4/13/2017 12:53	0.18	13.62	28.9	0.262	2.82	-0.22	0	0	9.82	0	0	0	0	118.01	4.376	0.245
J2967	0.96	3.36	1267.31	4/13/2017 14:37	3.36	0	418.51	0	43.8	-0.089	0	0	17.64	0	0	0	0	733.72	31.25	0.57
J2968	1.93	3.89	1274.93	4/13/2017 17:36	3.89	7.44	455.33	0.081	94.4	0.309	0	0	30.11	0	0	0	0	199.02	12.688	2.288
J2971	1.74	3.47	1245.97	4/13/2017 16:44	3.47	46.54	1829.1	0.588	423	0.232	0	0	43.53	0	0	0	0	2385.35	211.463	0.767
J2972	1.51	3.74	1278.99	4/13/2017 16:02	3.74	0	1517.92	0	285	0.073	0	0	43.26	0	0	0	0	263.32	9.948	5.765
J2973	1.16	2.18	1278.18	4/13/2017 17:31	2.18	3.58	454.51	0.046	91.6	0.126	0	0	33.82	0	0	0	0	83.18	0.991	5.464
J2976	0.6	3.36	1275.36	4/13/2017 12:17	3.36	0	532.14	0	17.3	-0.464	0	0	24.64	0	0	0	0	402.44	50.036	1.322
J2977	0.69	2.2	1273.2	4/13/2017 12:32	2.2	0	265.22	0	16.5	-0.451	0	0	23.8	0	0	0	0	1631.31	37.221	0.163
J2978	2.71	4.47	1245.56	4/13/2017 16:45	4.47	0.14	1830.3	0.003	425	0.142	0	0	32.53	0	0	0	0	2501.97	223.678	0.732
J2982	0.23	0.81	1287.81	4/13/2017 12:10	0.81	20.38	102.98	0.21	9.32	-0.364	0	0	15.19	0	0	0	0	1404.98	29.446	0.073
J2984	2.76	4.14	1266.66	4/13/2017 18:00	4.14	0	450.76	0	99.7	0.051	0	0	37.86	0	0	0	0	520.27	38.604	0.866
J2989	0.69	2.65	1292.27	4/13/2017 14:16	2.65	15.62	407.54	0.111	38.5	-0.043	0	0	47.35	0	0	0	0	508.79	21.167	0.801
J2990	0.35	1.29	1265.29	4/13/2017 12:39	1.29	33.25	313.75	0.418	22.8	-0.336	0	0	23.71	0	0	0	0	1856.22	45.633	0.169
J2991	2.03	4.03	1254.03	4/13/2017 16:32	4.03	3.49	1813.64	0.072	392	0.122	0	0	61.97	0	0	0	0	1440.67	100.39	1.259
J2994	2.67	5.21	1240.01	4/13/2017 15:28	5.21	0.04	2198.51	0.001	471	0.036	0	0	35.79	0	0	0	0	3588.22	274.537	0.613
J2995	0.14	1.27	1319.35	4/13/2017 12:06	1.27	28.98	214.95	0.365	5.58	-1.17	0	0	23.73	0	0	0	0	141.25	11.396	1.522
J29951	0.19	1.41	1308.41	4/13/2017 12:09	1.41	0	251.93	0	7.82	-0.219	0	0	20.59	0	0	0	0	195.8	16.616	1.287
J2996	0.15	1.13	1313.92	4/13/2017 12:11	1.13	0	219.92	0	6.73	-0.032	0	0	20.87	0	0	0	0	169.53	13.624	1.297
J2997	0.21	1.99	1317.65	4/13/2017 12:11	1.98	12.79	247.7	0.161	6.7	-0.454	0	0	23.01	0	0	0	0	169.53	13.624	1.461
J2999	2.02	4.47	1240.47	4/13/2017 15:26	4.47	0.94	2202.93	0.02	472	0.115	0	0	24.53	0	0	0	0	3578.82	274.491	0.616
J3	0.47	3.11	1383.61	4/13/2017 12:00	3.11	35.38	35.38	0.456	0.456	-0.005	0	0	10.89	0	0	0	0	12.26	1.413	2.886
J30	0.92	1.88	1264.88	4/13/2017 18:03	1.88	2.06	450.86	0.023	99.8	0.108	0	0	29.12	0	0	0	0	547.74	41.433	0.823
J3001	3.7	6.67	1242.92	4/13/2017 15:18	6.67	14.74	2200.39	0.192	471	0.118	0	0	45.33	0	0	0	0	3503.62	270.129	0.628
J3002	2.06	3.98	1238.88	4/13/2017 15:30	3.98	0.17	2199.7	0.004	474	0.134	0	0	35.02	0	0	0	0	3874.93	293.395	0.568
J3003	0.81	2.15	1252.15	4/13/2017 14:57	2.15	0	406.47	0	45.4	-0.017	0	0	32.85	0	0	0	0	821.84	36.593	0.495
J3004	2.63	5.5	1259.44	4/13/2017 14:55	5.5	16.71	418.75	0.153	44.9	-0.6	0	0	28.5	0	0	0	0	802.92	36.077	0.522
J3006	1.21	4.45	1268.49	4/13/2017 14:36	4.45	0	405.17	0	40.8	-0.029	0	0	17.55	0	0	0	0	643.06	25.39	0.63
J3007	1.17	5.15	1301.35	4/13/2017 14:09	5.15	9.94	400.4	0.102	31.7	0.018	0	0	14.85	0	0	0	0	38.45	1.048	10.414
J3018	0.67	2.78	1307.78	4/13/2017 12:09	2.78	10.2	164.34	0.185	3.53	-0.314	0	0	14.22	0	0	0	0	116.75	17.391	1.408
J3019	0.09	0.55	1306.02	4/13/2017 12:09	0.55	12.85	168.5	0.217	3.75	-0.126	0	0	16.45	0	0	0	0	120.91	18.56	1.394
J3020	0.1	1.1	1339.9	4/13/2017 12:04	1.1	20.14	145.47	0.313	2.7	-0.439	0	0	31.9	0	0	0	0	63.56	10.581	2.289
J3022	2.48	4.7	1255.7	4/13/2017 16:29	4.7	0	1813.61	0	393	0.15	0	0	22.3	0	0	0	0	1392.7	96.443	1.302
J3023	2.06	3.77	1258.77	4/13/2017 18:11	3.77	2.64	451	0.011	101	0.199	0	0	28.23	0	0	0	0	629.35	49.581	0.717
J3024	2.36	4.2	1268.19	4/13/2017 17:59	4.2	0.53	451.02	0.004	100	0.268	0	0	34.8	0	0	0	0	520.27	38.604	0.867
J3025	2.25	4.93	1259.93	4/13/2017 16:36	4.93	9.67	1526.32	0.083	292	0.284	0	0	25.07	0	0	0	0	674.15	38.21	2.264
J3026	5.71	9.21	1271.2	4/13/2017 16:18	9.21	12.56	1527.42	0.116	294	0.185	0	0	52.79	0	0	0	0	552.76	30.156	2.763
J3027	0.3	2.14	1273.14	4/13/2017 12:03	2.14	0	144.93	0	3.27	-1.169	0	0	24.86	0	0	0	0	86.64	5.604	1.673
J3044	2.38	6.36	1301.36	4/13/2017 14:10	6.36	9.44	408.64	0.11	31.4	0.083	0	0	18.64	0	0	0	0	27.61	0.406	14.8
J3049	2.27	4.73	1256.23	4/13/2017 16:34	4.73	0	1524.4	0	291	0.119	0	0	22.27	0	0	0	0	676.02	38.467	2.255
J31	1.66	3.39	1259.39	4/13/2017 18:10	3.39	7.86	450.73	0.154	99.9	0.116	0	0	28.61	0	0	0	0	587.49	46.682	0.767
J32	0.06	0.32	1269.76	4/13/2017 12:19	0.32	7.66	18.47	0.093	0.868	-1.018	0	0	25.68	0	0	0	0	36.46	2.87	0.507
J33	1.42	2.84	1257.66	4/13/2017 18:13	2.84	0.19	450.73	0.003	101	0.134	0	0	29.16	0	0	0	0	642.07	50.665	0.702
J35	0.22	3.07	1323.07	4/13/2017 12:05	3.07	24.43	53.74	0.353	0.773	-0.624	0	0	15.93	0	0	0	0	21.13	1.299	2.543

Junctions SWMM 2-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J36	1.04	3.17	1257.17	4/13/2017 14:56	3.17	2.38	406.46	0.019	45.2	-0.066	0	0	18.83	0	0	0	0	807.92	36.177	0.503
J37	0.3	2.33	1313.33	4/13/2017 12:16	2.33	25.77	159.66	0.352	4.28	0.055	0	0	16.67	0	0	0	0	396.18	15.51	0.403
J38	0.1	0.95	1310.95	4/13/2017 12:17	0.95	0	146.27	0	4.28	-0.208	0	0	16.05	0	0	0	0	396.18	15.51	0.369
J39	2.69	5.05	1239.65	4/13/2017 15:29	5.05	0.76	2196.86	0.016	471	0.052	0	0	35.95	0	0	0	0	3605.21	275.709	0.609
J4	0.06	1.93	1382.18	4/13/2017 12:03	1.93	0	35.36	0	0.456	-0.47	0	0	12.07	0	0	0	0	12.26	1.413	2.884
J40	0.05	0.16	1318.91	4/13/2017 12:15	0.16	5.04	9.72	0.072	0.577	-6.952	0	0	8.84	0	0	0	0	33.39	2.295	0.291
J41	2.69	4.91	1239.41	4/13/2017 15:29	4.91	0.07	2196.61	0.001	470	0.059	0	0	36.09	0	0	0	0	3611.78	275.722	0.608
J42	0.2	0.84	1289.84	4/13/2017 12:16	0.84	0	133.39	0	3.7	-2.613	0	0	65.16	0	0	0	0	191.79	17.143	0.696
J43	0.1	0.4	1337.4	4/13/2017 12:15	0.4	0	25.93	0	1.02	-0.367	0	0	16.6	0	0	0	0	26.74	2.315	0.97
J44	1.39	5.39	1301.39	4/13/2017 14:09	5.39	19.46	436.08	0.241	31	0.197	0	0	15.61	0	0	0	0	12.65	0.227	34.473
J45	0.16	0.86	1247.86	4/13/2017 12:06	0.86	10.04	193.97	0.163	3.72	-0.391	0	0	17.14	0	0	0	0	118.64	19.182	1.635
J46	3.96	8.53	1233.78	4/13/2017 15:35	8.53	7.29	2202.25	0.067	477	0.079	0	0	42.47	0	0	0	0	4043.09	317.678	0.545
J47	3.48	7.17	1226.71	4/13/2017 15:38	7.17	2.44	2276.89	0.012	508	0.051	0	0	27.83	0	0	0	0	6267.81	379.747	0.363
J48	0.09	0.43	1325.43	4/13/2017 12:05	0.43	6.34	54.74	0.08	0.795	-2.298	0	0	13.57	0	0	0	0	31.58	0	1.733
J49	0.04	0.25	1319.93	4/13/2017 12:02	0.25	10.37	10.37	0.151	0.151	-4.412	0	0	9.75	0	0	0	0	4.72	0.099	2.197
J5	0.57	1.39	1271.4	4/13/2017 12:27	1.39	4.06	101.3	0.034	7.25	-0.584	0	0	40.61	0	0	0	0	264.93	24.362	0.382
J55	0.14	1.68	1330.39	4/13/2017 12:04	1.68	0	27.95	0	0.379	-0.776	0	0	21.32	0	0	0	0	11.64	1.097	2.401
J57	0.03	0.23	1326.14	4/13/2017 12:06	0.23	0	18.46	0	0.382	-2.904	0	0	11.77	0	0	0	0	11.64	1.097	1.586
J58	0.04	0.31	1315.54	4/13/2017 12:00	0.31	8.07	8.07	0.104	0.104	-4.482	0	0	21.69	0	0	0	0	2.71	0.339	2.978
J59	0.08	0.43	1326.98	4/13/2017 12:08	0.43	0	18.41	0	0.489	-0.261	0	0	20.57	0	0	0	0	10.81	1.784	1.703
J6	0.17	2.18	1382.18	4/13/2017 12:03	2.18	0	31.88	0	0.458	-1.253	0	0	11.82	0	0	0	0	12.26	1.413	2.6
J60	0.32	1.35	1242.02	4/13/2017 12:06	1.35	22.95	204.63	0.433	4.17	-1.5	0	0	24.65	0	0	0	0	129.67	21.599	1.578
J61	0.18	1.74	1330.74	4/13/2017 12:06	1.74	0	34.99	0	0.494	1.084	0	0	19.26	0	0	0	0	10.81	1.784	3.237
J62	0.19	1.29	1318.21	4/13/2017 12:30	1.29	0	18.36	0	0.393	-4.528	0	0	10.71	0	0	0	0	11.64	1.097	1.577
J63	0.06	0.21	1315.31	4/13/2017 12:33	0.21	0	8.65	0	0.412	-0.829	0	0	11.79	0	0	0	0	11.64	1.097	0.743
J65	0.08	0.3	1309.69	4/13/2017 12:26	0.3	0	22.16	0	0.959	-0.532	0	0	11.7	0	0	0	0	25.46	3.457	0.87
J66	0.38	1.49	1314.49	4/13/2017 12:22	1.49	28.16	82.18	0.454	1.73	-4.663	0	0	15.51	0	0	0	0	54.79	2.29	1.5
J68	0.01	0.13	1271.25	4/13/2017 12:01	0.13	18.61	18.61	0.255	0.255	-4.028	0	0	33.87	0	0	0	0	9.77	1.021	1.905
J69	0.05	0.49	1324.8	4/13/2017 12:10	0.49	9.59	70.07	0.194	1.99	-0.906	0	0	10.51	0	0	0	0	53.37	3.657	1.313
J7	0.11	0.28	1293.37	4/13/2017 12:00	0.28	4.39	12.1	0.061	0.19	-3.947	0	0	16.72	0	0	0	0	7.22	1.543	1.676
J70	2.68	5.13	1239.83	4/13/2017 15:28	5.13	0	2198.17	0	471	0.144	0	0	35.87	0	0	0	0	3597.99	275.558	0.611
J71	0.02	0.17	1299.17	4/13/2017 12:24	0.17	0	26.26	0	0.839	-2.414	0	0	64.83	0	0	0	0	40.12	1.4	0.655
J725	0.48	2.17	1302.18	4/13/2017 13:51	2.17	21.65	437.17	0.197	30.7	-0.013	0	0	23.83	0	0	0	0	5.68	0	76.967
J74	0.16	0.73	1248.73	4/13/2017 12:10	0.73	7.2	70.78	0.073	2.52	-0.584	0	0	18.27	0	0	0	0	193.25	13.502	0.366
J75	0.09	0.42	1321.92	4/13/2017 12:11	0.42	3.3	13.64	0.042	1.09	-0.749	0	0	6.58	0	0	0	0	24.3	1.614	0.561
J76	0.05	0.36	1254.18	4/13/2017 12:00	0.35	20.61	20.61	0.265	0.265	-2.385	0	0	24.64	0	0	0	0	15.09	1.539	1.366
J763	0.1	1.06	1321.55	4/13/2017 12:00	1.05	119.86	119.86	2.47	2.47	-0.031	0	0	21.94	0	0	0	0	349.87	12.194	0.343
J77	0.78	2.69	1302.69	4/13/2017 12:49	2.69	0	47.06	0	2.76	-0.77	0	0	16.31	0	0	0	0	77.13	4.449	0.61
J779	0.06	0.59	1354.63	4/13/2017 12:00	0.59	41.65	41.65	0.701	0.701	-0.153	0	0	37.41	0	0	0	0	20.88	1.241	1.995
J78	2.71	3.75	1317.75	4/13/2017 13:46	3.75	0	85.62	0	4.88	-7.431	0	0	6.25	0	0	0	0	123.84	10.356	0.691
J785	0.12	0.98	1317.5	4/13/2017 12:00	0.98	0	115.96	0	2.47	0.011	0	0	22.02	0	0	0	0	349.87	12.194	0.331
J79	0.06	0.67	1292.67	4/13/2017 12:04	0.65	0	154.86	0	4.38	0.349	0	0	15.33	0	0	0	0	133.47	8.332	1.16
J797	0.04	0.49	1344.89	4/13/2017 12:00	0.49	0	41.34	0	0.702	-0.33	0	0	37.51	0	0	0	0	20.88	1.241	1.98
J8	0.02	0.3	1377.58	4/13/2017 12:04	0.3	0	22.94	0	0.464	-0.389	0	0	16.7	0	0	0	0	12.26	1.413	1.871
J801	0.02	0.22	1346.09	4/13/2017 12:02	0.22	16.78	16.78	0.208	0.208	-4.265	0	0	22.78	0	0	0	0	6.3	0.098	2.663
J805	0.02	0.19	1314.49	4/13/2017 11:59	0.19	10.62	10.62	0.227	0.227	-1.434	0	0	7.81	0	0	0	0	8.81	0	1.205
J81	0.36	1.18	1319.18	4/13/2017 12:11	1.18	15.24	129.21	0.218	3.67	-1.701	0	0	6.82	0	0	0	0	210.93	7.99	0.613
J810	0.36	2.42	1341.42	4/13/2017 12:14	2.41	17.86	56.61	0.271	0.985	-3.001	0	0	23.58	0	0	0	0	26.74	2.315	2.117
J814	0.09	0.91	1316.91	4/13/2017 12:01	0.91	0	114.03	0	2.47	-0.166	0	0	18.09	0	0	0	0	349.87	12.194	0.326
J816	0.28	0.78	1305.78	4/13/2017 12:20	0.78	107.99	122.38	2	2.8	0.834	0	0	24.22	0	0	0	0	1121.15	19.701	0.109
J819	0.06	0.69	1333.01	4/13/2017 12:00	0.69	0	30.61	0	0.411	-2.074	0	0	18.31	0	0	0	0	10.73	0.848	2.853
J828	0.02	0.42	1341.42	4/13/2017 12:13	0.42	0	40.7	0	0.704	-1.285	0	0	25.58	0	0	0	0	20.88	1.241	1.949
J83	0.23	1.33	1320.33	4/13/2017 12:22	1.33	0	82.56	0	2.55	-13.989	0	0	9.67	0	0	0	0	67.92	5.397	1.216
J830	0.02	0.28	1337	4/13/2017 12:00	0.28	30.76	30.76	0.41	0.41	-0.262	0	0	18.72	0	0	0	0	10.73	0.848	2.867
J832	0.02	0.16	1317.16	4/13/2017 12:13	0.16	7.91	7.91	0.089	0.089	-15.145	0	0	15.84	0	0	0	0	4.29	0	1.844
J835	0.33	2.62	1316.62	4/13/2017 12:04	2.62	23.81	154.43	0.294	3.67	-0.106	0	0	15.38	0	0	0	0	381.42	14.371	0.405
J837	0.04	0.51	1317.7	4/13/2017 12:00	0.51	10.62	44.46	0.118	0.896	-0.173	0	0	18.49	0	0	0	0	23.81	1.649	1.867

Junctions SWMM 2-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J839	0.03	0.46	1301.37	4/13/2017 14:09	0.46	24.45	24.45	0.358	0.365	-0.41	0	0	24.54	0	0	0	0	12	0	2.038
J84	0.02	0.31	1268.69	4/13/2017 12:00	0.31	14.53	14.53	0.132	0.132	-5.464	0	0	11.69	0	0	0	0	12.98	0.024	1.119
J842	0.15	1.34	1315.01	4/13/2017 12:05	1.34	0	151.89	0	3.68	-0.226	0	0	20.66	0	0	0	0	381.42	14.371	0.398
J844	0.03	0.45	1309.29	4/13/2017 12:01	0.45	26.58	26.58	0.405	0.405	-1.147	0	0	11.55	0	0	0	0	13.81	0	1.925
J848	0.21	0.7	1305.6	4/13/2017 12:15	0.7	13.1	35.77	0.165	2.94	-1.184	0	0	15.3	0	0	0	0	1127.09	19.704	0.032
J85	0.19	1.11	1306.11	4/13/2017 12:17	1.11	22.68	54.54	0.258	1.17	-3.151	0	0	14.89	0	0	0	0	30.38	2.581	1.795
J854	0.02	0.2	1312.68	4/13/2017 12:11	0.2	0	11.82	0	0.231	-3.089	0	0	9.8	0	0	0	0	8.81	0	1.342
J856	0.14	0.43	1301.4	4/13/2017 12:00	0.43	14.03	14.03	0.267	0.268	-0.686	0	0	7.57	0	0	0	0	7.82	0.638	1.794
J860	0.12	0.7	1304.78	4/13/2017 13:57	0.7	6.87	6.87	0.076	0.106	-1.455	0	0	9.3	0	0	0	0	7.28	0	0.944
J862	0.08	0.74	1317.74	4/13/2017 12:13	0.74	0	123.65	0	3.73	-0.112	0	0	9.26	0	0	0	0	210.93	7.99	0.586
J867	0.04	0.34	1332.49	4/13/2017 12:02	0.34	27.84	40.67	0.348	0.565	-3.31	0	0	22.66	0	0	0	0	16.16	0.491	2.517
J87	0.16	1.84	1286.84	4/13/2017 12:02	1.84	17.04	107.08	0.211	1.53	-0.64	0	0	24.16	0	0	0	0	45.91	6.038	2.332
J870	0.2	1.6	1313.6	4/13/2017 12:10	1.6	15.85	162.87	0.207	3.89	-0.838	0	0	20.4	0	0	0	0	388.08	14.38	0.42
J873	0.01	0.18	1308.41	4/13/2017 12:00	0.18	3.86	3.86	0.017	0.017	-9.403	0	0	12.82	0	0	0	0	11.05	0.002	0.349
J875	0.01	0.2	1346.08	4/13/2017 12:00	0.2	16.24	16.24	0.188	0.188	-9.304	0	0	13.8	0	0	0	0	5.5	0.105	2.953
J877	0.06	0.45	1334.45	4/13/2017 12:00	0.45	20.25	20.25	0.252	0.252	-1.334	0	0	26.55	0	0	0	0	16.9	1.499	1.198
J879	0.05	0.51	1338.68	4/13/2017 12:00	0.51	61.4	61.4	0.849	0.849	-0.229	0	0	19.49	0	0	0	0	23.74	1.348	2.586
J88	1.29	2.44	1280.41	4/13/2017 12:25	2.44	25.47	154.77	0.229	5.37	-2.016	0	0	67.56	0	0	0	0	301.92	22.833	0.513
J882	0.05	0.47	1328.47	4/13/2017 12:06	0.47	11.28	65.08	0.175	1.78	-0.768	0	0	16.53	0	0	0	0	47.46	3.25	1.371
J896	0.03	0.31	1306.31	4/13/2017 12:07	0.31	7.51	118.28	0.126	3.09	-0.587	0	0	11.69	0	0	0	0	166.63	6.317	0.71
J9	1.41	1.64	1255.91	4/13/2017 13:32	1.64	4.52	27.38	0.063	1.28	-0.444	0	0	13.36	0	0	0	0	61.67	3.56	0.444
J90	0.05	0.33	1299.26	4/13/2017 12:14	0.33	31.6	135.35	0.341	3.68	-0.726	0	0	62.67	0	0	0	0	191.79	17.143	0.706
J900	0.09	0.68	1308.37	4/13/2017 12:18	0.68	11.61	149.99	0.199	4.48	-0.286	0	0	15.32	0	0	0	0	400.64	16.31	0.374
J906	0.48	2.08	1297.71	4/13/2017 14:11	2.08	0	399.84	0	31.8	0.006	0	0	18.92	0	0	0	0	42.5	1.316	9.408
J910	0.17	0.78	1304.78	4/13/2017 13:57	0.78	10.14	15.65	0.147	0.27	-5.05	0	0	13.22	0	0	0	0	7.82	0.952	2.001
J92	0.23	0.92	1282.22	4/13/2017 12:18	0.92	70.23	157.15	0.695	4.99	-2.947	0	0	69.08	0	0	0	0	284.56	22.341	0.552
J921	0.04	0.26	1330.33	4/13/2017 12:01	0.26	20.3	20.3	0.296	0.296	-3.587	0	0	19.74	0	0	0	0	9.48	0.87	2.141
J925	0.07	0.86	1326.98	4/13/2017 12:00	0.85	19.26	77.57	0.24	1.09	-0.436	0	0	17.14	0	0	0	0	26.88	2.741	2.886
J927	0.17	0.33	1299.72	4/13/2017 13:58	0.33	8.69	28.83	0.148	7.1	-0.286	0	0	17.67	0	0	0	0	1338.37	27.806	0.022
J93	0.09	0.75	1283.36	4/13/2017 12:02	0.75	0	96.41	0	1.54	-0.194	0	0	22.25	0	0	0	0	45.91	6.038	2.1
J931	0.06	0.48	1330.53	4/13/2017 12:00	0.48	9.23	60.18	0.122	0.844	-1.193	0	0	23.52	0	0	0	0	20.69	2.265	2.909
J935	0.08	0.77	1321.77	4/13/2017 12:00	0.77	65.67	65.67	1.42	1.42	-0.235	0	0	12.23	0	0	0	0	144.21	3.966	0.455
J937	0.03	0.35	1301.2	4/13/2017 12:01	0.35	8.64	19.55	0.167	0.373	-0.794	0	0	11.65	0	0	0	0	10.78	0.809	1.814
J94	0	0.04	1386.07	4/13/2017 12:07	0.04	12.72	12.72	0.109	0.109	-13.518	0	0	64.96	0	0	0	0	5.75	0.315	2.212
J946	0.79	2.71	1296.73	4/13/2017 14:11	2.71	11.89	399.76	0.125	31.9	0.064	0	0	17.29	0	0	0	0	50.3	1.709	7.948
J950	0.03	0.44	1318.69	4/13/2017 12:00	0.44	28.96	104.16	0.307	1.41	-1.242	0	0	21.56	0	0	0	0	36.07	2.751	2.888
J953	0.1	0.59	1320.61	4/13/2017 12:03	0.59	0	61.94	0	1.43	-1.301	0	0	12.41	0	0	0	0	144.21	3.966	0.43
J955	0.06	0.56	1333.56	4/13/2017 12:00	0.56	11.02	71.87	0.162	1.01	-0.645	0	0	19.44	0	0	0	0	28.92	1.421	2.485
J959	0.05	0.38	1317.38	4/13/2017 12:01	0.38	11.68	31.05	0.203	0.458	-2.097	0	0	26.62	0	0	0	0	24.07	1.511	1.29
J96	0.31	3.57	1300.57	4/13/2017 12:08	3.57	0	222.64	0	4.75	-0.68	0	0	29.43	0	0	0	0	104.93	20.288	2.122
J964	0.04	0.38	1348.47	4/13/2017 12:00	0.38	51.54	51.54	0.718	0.718	-0.526	0	0	23.62	0	0	0	0	17.68	1.958	2.915
J968	0.02	0.28	1298.28	4/13/2017 12:00	0.27	19.51	19.51	0.275	0.275	-3.907	0	0	12.72	0	0	0	0	8.91	0.468	2.19
J97	0.01	0.13	1325.13	4/13/2017 12:01	0.13	4.89	4.89	0.074	0.074	-6.552	0	0	9.87	0	0	0	0	1.69	0.259	2.893
J971	0.02	0.23	1299.23	4/13/2017 12:00	0.23	17.56	17.56	0.34	0.34	-2.027	0	0	9.77	0	0	0	0	10.86	0.504	1.617
J973	0.04	0.59	1298.59	4/13/2017 12:01	0.59	15.49	33.49	0.242	0.617	-0.545	0	0	13.41	0	0	0	0	19.06	0.809	1.757
J975	0.03	0.36	1298.36	4/13/2017 12:03	0.36	16.27	16.27	0.183	0.183	-14.198	0	0	13.64	0	0	0	0	17.06	0.002	0.954
J978	0.24	1.86	1301.86	4/13/2017 12:10	1.86	11.18	219.25	0.106	6.47	-0.523	0	0	51.14	0	0	0	0	451.09	19.458	0.486
J98	0.03	0.52	1311.69	4/13/2017 12:00	0.52	12.96	12.96	0.13	0.13	-1.494	0	0	23.48	0	0	0	0	8.29	0.146	1.563
J980	0.04	0.57	1295.72	4/13/2017 12:03	0.57	9.18	41.54	0.159	0.78	-1.185	0	0	17.43	0	0	0	0	24.71	0.809	1.681
J982	0.21	0.84	1310.4	4/13/2017 12:14	0.84	0	141.07	0	4.99	-0.123	0	0	20.16	0	0	0	0	241.71	9.782	0.584
J986	0.11	0.55	1325.55	4/13/2017 12:01	0.55	12.88	81.71	0.169	1.19	-0.622	0	0	13.45	0	0	0	0	33.66	1.659	2.428
J988	0.03	0.42	1302.42	4/13/2017 12:00	0.42	30.79	30.79	0.373	0.373	-0.426	0	0	12.58	0	0	0	0	56.03	1.558	0.55
J99	0.2	2.35	1361.35	4/13/2017 12:08	2.34	0	224.81	0	3.22	-1.024	0	0	20.65	0	0	0	0	86.23	7.185	2.607
J990	0.04	0.31	1303.31	4/13/2017 12:11	0.31	0	28.52	0	0.597	-1.921	0	0	18.69	0	0	0	0	18.35	0.87	1.554
J992	0.06	0.51	1325.51	4/13/2017 12:09	0.51	0	31.29	0	0.799	-1.543	0	0	24.49	0	0	0	0	20.48	2.44	1.528
J994	0.05	0.35	1319.35	4/13/2017 12:00	0.35	13.73	13.73	0.264	0.264	-0.863	0	0	13.65	0	0	0	0	6.37	1.005	2.155
J996	0.19	0.44	1292.67	4/13/2017 12:13	0.44	13.62	44.02	0.249	7.98	-0.222	0	0	19.56	0	0	0	0	1363.61	28.637	0.032

Junctions SWMM 2-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J998	0.05	0.22	1297.22	4/13/2017 12:15	0.22	0	17.93	0	0.347	-3.198	0	0	10.78	0	0	0	0	10.86	0.504	1.651
M10042417	0.07	0.34	1277.34	4/13/2017 12:00	0.34	18.17	18.17	0.464	0.464	-2.335	0	0	7.66	0	0	0	0	12.83	2.164	1.416
M1042417	0.02	0.23	1288.23	4/13/2017 12:01	0.23	17.2	17.2	0.309	0.309	-1.481	0	0	22.77	0	0	0	0	10.81	0.103	1.591
M11042417	0.07	0.45	1258.45	4/13/2017 12:00	0.45	44.88	44.88	0.811	0.811	-0.386	0	0	8.55	0	0	0	0	22.33	2.527	2.01
M12042417	0.74	2.58	1255.58	4/13/2017 12:58	2.58	16.01	347.08	0.171	29.3	-0.456	0	0	20.42	0	0	0	0	2043.21	57.208	0.17
M13042417	0.03	0.29	1266.82	4/13/2017 12:00	0.29	22.12	22.12	0.271	0.271	-8.17	0	0	9.71	0	0	0	0	14.39	0.714	1.537
M14042417	0.04	0.37	1283.37	4/13/2017 12:00	0.37	18.53	18.53	0.271	0.271	-1.876	0	0	10.63	0	0	0	0	9.24	0	2.005
M15042417	0.03	0.11	1320.2	4/13/2017 12:14	0.11	7.32	7.32	0.089	0.089	-20.452	0	0	14.89	0	0	0	0	2.5	0.116	2.928
M16042417	0.07	0.22	1296.33	4/13/2017 12:18	0.22	14.78	15.92	0.209	0.321	-9.225	0	0	14.78	0	0	0	0	16.07	0.368	0.991
M18042417	0.52	1.84	1252.84	4/13/2017 13:01	1.84	6.33	343.41	0.08	29.6	-0.232	0	0	17.16	0	0	0	0	2058.64	57.444	0.167
M19042417	0.9	2.31	1252.13	4/13/2017 13:02	2.31	39.32	343.11	0.47	30.2	-0.401	0	0	17.69	0	0	0	0	2079.64	58.53	0.165
M20042417	0.37	1.17	1249.68	4/13/2017 13:03	1.17	24.95	343.12	0.282	30.6	-0.133	0	0	20.83	0	0	0	0	2097.12	59.175	0.164
M2042417	0.13	0.54	1282.71	4/13/2017 12:04	0.54	0	58.82	0	3.86	-0.308	0	0	27.46	0	0	0	0	160.06	5.898	0.367
M21042417	0.51	1.74	1248.52	4/13/2017 13:04	1.74	26.44	344.3	0.354	31	-0.108	0	0	25.26	0	0	0	0	2110.74	59.649	0.163
M22042417	0.51	1.63	1245.51	4/13/2017 13:05	1.63	4.82	344.27	0.032	31.1	-0.106	0	0	25.37	0	0	0	0	2113.44	59.649	0.163
M23042417	0.57	1.96	1244.96	4/13/2017 13:06	1.96	8.28	344.19	0.07	31.2	-0.132	0	0	16.04	0	0	0	0	2120.77	59.803	0.162
M24042417	0.68	2.15	1244.4	4/13/2017 13:07	2.15	6.73	344.14	0.076	31.3	-0.112	0	0	11.85	0	0	0	0	2126.76	60.27	0.162
M25042417	0.71	1.91	1243.91	4/13/2017 13:07	1.91	2.48	344.03	0.022	31.3	-0.134	0	0	12.09	0	0	0	0	2130.18	60.328	0.162
M26042417	0.65	1.81	1243.52	4/13/2017 13:08	1.81	3.91	343.93	0.036	31.4	-0.141	0	0	13.19	0	0	0	0	2133.03	60.405	0.161
M27042417	0.86	2.34	1242.34	4/13/2017 13:10	2.34	10.76	343.94	0.133	31.6	-0.158	0	0	12.66	0	0	0	0	2144.74	60.943	0.16
M28042417	0.73	2.2	1242.18	4/13/2017 13:10	2.2	4.55	343.47	0.051	31.7	-0.167	0	0	15.8	0	0	0	0	2151.6	61.133	0.16
M29042417	0.37	1.28	1240.97	4/13/2017 13:11	1.28	5.05	343.44	0.072	31.8	-0.097	0	0	16.72	0	0	0	0	2161.03	61.437	0.159
M30042417	0.58	1.61	1237.61	4/13/2017 13:13	1.61	6.43	343.44	0.064	31.9	-0.43	0	0	30.39	0	0	0	0	2170.36	61.761	0.158
M3042417	0.24	0.83	1282.19	4/13/2017 12:03	0.83	17.91	70.87	0.237	4.11	-0.218	0	0	27.17	0	0	0	0	166.78	6.222	0.425
M31042417	2.37	5.2	1228.2	4/13/2017 15:37	5.2	0.14	2201.55	0.003	477	0.032	0	0	42.8	0	0	0	0	4077.31	317.986	0.54
M32042417	3.47	6.75	1227.75	4/13/2017 15:37	6.75	0	2278.64	0	509	0.091	0	0	28.25	0	0	0	0	6258.68	379.747	0.364
M40042417	0.08	0.37	1284.37	4/13/2017 12:01	0.37	39.88	61.55	1.02	3.85	-0.251	0	0	7.63	0	0	0	0	160.06	5.898	0.385
M4042417	0.38	1	1280	4/13/2017 12:01	1	20.06	86.18	0.374	4.49	-0.304	0	0	14	0	0	0	0	177.14	7.223	0.487
M41042417	0.32	1.24	1256.24	4/13/2017 12:53	1.24	20.75	346.02	0.307	28.8	-0.105	0	0	17.76	0	0	0	0	2022.3	56.056	0.171
M5042417	0.13	0.69	1278.69	4/13/2017 12:04	0.69	0	86.77	0	4.51	-0.285	0	0	11.31	0	0	0	0	177.14	7.223	0.49
M6042417	0.2	0.66	1278.94	4/13/2017 12:00	0.65	29.62	29.62	0.519	0.519	-0.819	0	0	20.34	0	0	0	0	15.03	1.063	1.971
M7042417	0.03	0.36	1278.36	4/13/2017 12:03	0.36	19.31	46.95	0.279	0.802	-1.385	0	0	20.64	0	0	0	0	23.14	1.461	2.029
M8042417	0.41	1.8	1274.8	4/13/2017 12:18	1.8	12.89	68.84	0.282	1.57	-2.517	0	0	9.2	0	0	0	0	44.12	4.437	1.56
M9042417	0.53	1.63	1259.58	4/13/2017 12:53	1.63	0	338.54	0	27.7	-0.052	0	0	18.37	0	0	0	0	1990.45	52.764	0.17
MAS1	0.04	0.39	1337.39	4/13/2017 12:00	0.39	21.15	21.15	0.229	0.229	-0.63	0	0	15.61	0	0	0	0	13.51	1.295	1.566
MAS10	0.23	0.98	1304.99	4/13/2017 12:13	0.98	9.63	132.97	0.121	3.28	-1.722	0	0	62.02	0	0	0	0	173.2	15.616	0.768
MAS100	0.3	1.84	1282.86	4/13/2017 12:11	1.84	34.9	602.27	0.332	13	-0.834	0	0	54.16	0	0	0	0	351.02	38.361	1.716
MAS101	0.05	0.39	1376.65	4/13/2017 12:00	0.39	32.54	62.23	0.424	0.813	-1.263	0	0	49.61	0	0	0	0	38.47	4.111	1.618
MAS102	0.04	0.63	1347.32	4/13/2017 12:00	0.63	0	93.74	0	1.25	-0.795	0	0	35.37	0	0	0	0	31.66	2.788	2.961
MAS103	0.03	0.38	1284.38	4/13/2017 12:00	0.38	21.9	61.38	0.214	0.625	-0.934	0	0	13.62	0	0	0	0	42.11	1.464	1.458
MAS104	0.05	0.61	1375.39	4/13/2017 12:00	0.61	34.44	57.31	0.372	0.657	-1.012	0	0	51.39	0	0	0	0	20.64	2.269	2.777
MAS105	0.15	1.45	1304.25	4/13/2017 12:04	1.45	28.09	500.4	0.327	9.97	-0.305	0	0	27.55	0	0	0	0	262.58	28.264	1.906
MAS106	0.2	0.96	1311.96	4/13/2017 12:22	0.96	4.85	101.55	0.027	5.45	-0.064	0	0	19.04	0	0	0	0	266.58	23.157	0.381
MAS107	0.08	1.02	1336.02	4/13/2017 12:00	1.02	47.51	178.1	0.466	2.46	-0.938	0	0	26.98	0	0	0	0	64.43	4.211	2.764
MAS108	0.07	0.77	1364.77	4/13/2017 12:00	0.77	0	83.17	0	1.07	-0.555	0	0	38.23	0	0	0	0	51.77	5.179	1.607
MAS109	0.12	0.48	1378.74	4/13/2017 12:00	0.48	6.07	43.3	0.063	0.571	-0.398	0	0	18.52	0	0	0	0	28.04	3.579	1.544
MAS11	0.07	0.49	1396.59	4/13/2017 12:00	0.49	37.89	37.89	0.507	0.507	-0.05	0	0	15.51	0	0	0	0	22.96	3.226	1.65
MAS110	0.1	0.61	1355.39	4/13/2017 12:00	0.61	13.47	37.71	0.146	0.998	-1.123	0	0	24.39	0	0	0	0	49.76	4.039	0.758
MAS111	0.12	0.95	1319.95	4/13/2017 12:10	0.95	0	140.43	0	2.57	-0.915	0	0	36.05	0	0	0	0	143.58	11.415	0.978
MAS112	0.05	0.37	1330.13	4/13/2017 12:01	0.37	0	59.91	0	0.97	-0.703	0	0	22.63	0	0	0	0	46.78	2.133	1.281
MAS113	0.1	0.91	1326.03	4/13/2017 12:01	0.91	28.14	229.87	0.32	3.27	-0.946	0	0	22.09	0	0	0	0	82.04	6.94	2.802
MAS114	0.3	0.98	1340.5	4/13/2017 12:02	0.98	7.77	153.64	0.067	1.96	-1.943	0	0	31.02	0	0	0	0	108.44	8.975	1.417
MAS115	0.12	0.64	1344.64	4/13/2017 12:02	0.64	0	90.7	0	3.32	-0.259	0	0	26.36	0	0	0	0	101.08	11.965	0.897
MAS116	0.02	0.37	1339.37	4/13/2017 12:00	0.37	38.99	120.76	0.446	1.68	-0.828	0	0	23.63	0	0	0	0	54.61	4.482	2.211
MAS118	0.14	0.5	1360.5	4/13/2017 12:02	0.5	0	34.84	0	1.72	0.122	0	0	24.5	0	0	0	0	61.33	6.808	0.568
MAS119	0.23	1.27	1333.27	4/13/2017 12:03	1.27	24.07	184.28	0.26	4.94	-0.464	0	0	24.73	0	0	0	0	137.84	16.696	1.337
MAS12	0.14	0.71	1369.71	4/13/2017 12:00	0.71	25.29	84.15	0.242	1.06	-0.237	0	0	9.29	0	0	0	0	51.77	5.179	1.625

Junctions SWMM 2-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
MAS120	0.08	0.99	1301.99	4/13/2017 12:04	0.99	6.46	543.9	0.087	10.9	-0.202	0	0	32.01	0	0	0	0	286.63	32.198	1.898
MAS122	0.35	1.3	1286.3	4/13/2017 12:44	1.3	18.36	99.4	0.166	7.33	-0.384	0	0	21.7	0	0	0	0	363.16	27.125	0.274
MAS123	0.1	1.34	1312.34	4/13/2017 12:02	1.34	35.23	400.61	0.477	6.8	-0.313	0	0	23.66	0	0	0	0	169.92	19.398	2.358
MAS124	0.25	1.44	1355.44	4/13/2017 12:08	1.44	6.24	50.45	0.062	1.02	-2.007	0	0	7.56	0	0	0	0	57.85	5.703	0.872
MAS125	0.12	1.42	1317.47	4/13/2017 12:01	1.42	16.73	291.09	0.16	4.81	-0.344	0	0	21.58	0	0	0	0	124.81	10.642	2.332
MAS126	0.12	1.5	1306.5	4/13/2017 12:03	1.5	0	471.12	0	9.3	-0.237	0	0	24.5	0	0	0	0	245.55	26.232	1.919
MAS128	0.28	1.33	1282.33	4/13/2017 12:12	1.33	22.66	161.52	0.157	9.2	-0.784	0	0	24.67	0	0	0	0	451.66	30.671	0.358
MAS129	0.26	1.77	1305.89	4/13/2017 12:11	1.77	0	130.36	0	3.15	-0.215	0	0	10.23	0	0	0	0	166.62	14.97	0.782
MAS13	0.09	0.37	1379.27	4/13/2017 12:00	0.37	25.05	25.05	0.302	0.302	-0.046	0	0	13.63	0	0	0	0	16.41	1.442	1.527
MAS132	0.32	1.33	1280.33	4/13/2017 12:13	1.33	6.46	168.19	0.072	9.67	-0.792	0	0	32.67	0	0	0	0	471.43	32.105	0.357
MAS133	0.05	0.36	1337.36	4/13/2017 12:00	0.36	0	32.65	0	0.307	-0.803	0	0	20.64	0	0	0	0	17.88	0.594	1.826
MAS134	0.16	1.5	1369.21	4/13/2017 12:04	1.5	15.95	47.2	0.171	0.531	-1.63	0	0	24.5	0	0	0	0	23.9	1.737	1.975
MAS135	0.39	2.78	1367.78	4/13/2017 12:26	2.77	5.35	55.34	0.057	0.797	-1.192	0	0	9.22	0	0	0	0	29.58	2.195	1.871
MAS1359	0.09	0.82	1325.82	4/13/2017 11:57	0.82	5.06	26.06	0.068	0.46	-0.905	0	0	8.18	0	0	0	0	12.31	0.763	2.117
MAS136	0.03	0.19	1364.87	4/13/2017 12:28	0.19	0	13.19	0	0.635	-0.317	0	0	11.81	0	0	0	0	29.58	2.195	0.446
MAS137	0.12	2.18	1351.18	4/13/2017 12:04	2.18	12.48	81	0.122	0.802	0.108	0	0	27.82	0	0	0	0	28.26	1.431	2.866
MAS138	0.04	0.62	1345.6	4/13/2017 12:06	0.62	0	54.5	0	0.801	-0.142	0	0	24.38	0	0	0	0	28.26	1.431	1.929
MAS14	0.04	0.53	1356.53	4/13/2017 12:00	0.53	9.3	37.54	0.135	0.551	-0.131	0	0	42.47	0	0	0	0	12.98	1.777	2.892
MAS141	0.09	0.94	1328.25	4/13/2017 12:06	0.94	0	135.52	0	2.23	-0.153	0	0	58.06	0	0	0	0	121.03	9.858	1.12
MAS142	0.12	1.45	1368.45	4/13/2017 12:00	1.44	0	34.08	0	0.391	-0.462	0	0	9.55	0	0	0	0	18.97	1.818	1.797
MAS143	0.1	1.66	1367.79	4/13/2017 12:27	1.64	3.06	41.98	0.027	0.738	-0.168	0	0	10.34	0	0	0	0	27.07	1.87	1.551
MAS144	0.05	0.68	1314.48	4/13/2017 12:02	0.68	0	72.32	0	1.19	-0.076	0	0	13.32	0	0	0	0	26.52	5.878	2.727
MAS145	0.09	1.09	1317.09	4/13/2017 12:01	1.09	0	81.7	0	1.2	0.325	0	0	11.91	0	0	0	0	26.52	5.878	3.081
MAS147	0.09	0.44	1334.34	4/13/2017 12:01	0.44	0	48.54	0	1.16	-0.606	0	0	34.56	0	0	0	0	61.59	4.767	0.788
MAS148	0.09	0.44	1350.44	4/13/2017 12:01	0.44	0	41.05	0	0.513	-1.618	0	0	45.56	0	0	0	0	23.46	2.514	1.75
MAS150	0.07	0.24	1368.29	4/13/2017 12:00	0.24	3.71	32	0.034	0.438	-0.551	0	0	66.76	0	0	0	0	22.38	2.873	1.43
MAS151	0.03	0.31	1364.97	4/13/2017 12:01	0.31	0	30.97	0	0.44	-0.57	0	0	30.69	0	0	0	0	22.38	2.873	1.384
MAS152	0.22	1.41	1371.09	4/13/2017 12:05	1.41	7.51	48.49	0.085	0.671	-1.382	0	0	13.59	0	0	0	0	34.93	4.14	1.388
MAS153	0.05	0.46	1368.46	4/13/2017 12:04	0.46	0	48.96	0	0.944	-0.976	0	0	14.54	0	0	0	0	50.29	5.349	0.974
MAS157	0.06	0.43	1374.51	4/13/2017 12:01	0.43	0	42.82	0	0.573	-2.153	0	0	14.57	0	0	0	0	28.04	3.579	1.527
MAS159	0.07	0.59	1376.42	4/13/2017 12:01	0.59	0	22.71	0	0.256	-1.246	0	0	10.41	0	0	0	0	15.36	1.209	1.479
MAS166	0.03	0.36	1390.09	4/13/2017 12:00	0.36	0	37.76	0	0.507	-0.189	0	0	18.64	0	0	0	0	22.96	3.226	1.645
MAS167	0.05	0.25	1352.99	4/13/2017 12:00	0.25	13.28	13.28	0.165	0.165	-3.479	0	0	12.75	0	0	0	0	6.24	0.645	2.128
MAS168	0.15	0.93	1329.74	4/13/2017 12:04	0.93	13.93	69.98	0.164	2.26	-0.242	0	0	21.07	0	0	0	0	70.57	6.55	0.992
MAS169	0.03	0.38	1366.92	4/13/2017 12:00	0.38	36.46	36.46	0.419	0.419	-0.429	0	0	29.62	0	0	0	0	14.24	1.731	2.56
MAS17	0.02	0.25	1369.88	4/13/2017 12:00	0.25	34.21	34.21	0.39	0.39	-0.061	0	0	10.75	0	0	0	0	18.97	1.818	1.803
MAS170	0.01	0.23	1359.73	4/13/2017 12:00	0.23	28.81	28.81	0.416	0.416	-0.022	0	0	24.77	0	0	0	0	10.33	1.147	2.789
MAS171	0.13	0.62	1350.92	4/13/2017 12:03	0.62	0	48.64	0	1.27	-1.332	0	0	30.38	0	0	0	0	80.23	8.576	0.606
MAS175	0.01	0.31	1354.31	4/13/2017 12:10	0.31	4.19	24.78	0.034	0.244	-1.6	0	0	80.69	0	0	0	0	60.86	5.884	0.407
MAS176	0.07	0.39	1376.1	4/13/2017 12:00	0.39	9.54	34.05	0.125	0.518	-1.019	0	0	24.61	0	0	0	0	13.86	1.142	2.457
MAS177	0.19	3.19	1374.19	4/13/2017 12:03	3.19	0	43.7	0	0.571	-0.326	0	0	14.81	0	0	0	0	14	1.461	3.121
MAS178	0.03	0.31	1368.51	4/13/2017 12:05	0.31	0	29.63	0	0.573	-0.9	0	0	17.69	0	0	0	0	14	1.461	2.116
MAS179	0.04	0.3	1360.21	4/13/2017 12:17	0.3	0	32.21	0	1.19	-0.241	0	0	16.7	0	0	0	0	29.04	4.497	1.109
MAS18	0.05	0.65	1350.69	4/13/2017 12:01	0.65	16.83	97.36	0.121	1.19	-0.777	0	0	38.35	0	0	0	0	63.16	5.486	1.541
MAS180	0.3	3.25	1367.25	4/13/2017 12:16	3.25	29.2	68.51	0.371	1.18	-0.112	0	0	13.75	0	0	0	0	29.04	4.497	2.359
MAS181	0.12	0.65	1342.48	4/13/2017 12:00	0.65	34.3	84.18	0.466	1.19	-0.884	0	0	48.35	0	0	0	0	26.52	5.878	3.174
MAS182	0.06	0.43	1351.71	4/13/2017 11:57	0.43	0	36.25	0	0.421	-1.736	0	0	29.57	0	0	0	0	14.24	1.731	2.546
MAS183	0.01	0.22	1341.22	4/13/2017 12:03	0.22	14.47	40.93	0.124	0.644	-0.512	0	0	18.78	0	0	0	0	33.8	0.667	1.211
MAS184	0.05	0.43	1345.43	4/13/2017 12:00	0.42	16.68	50.27	0.144	1.15	-0.644	0	0	34.57	0	0	0	0	61.59	4.767	0.816
MAS185	0.23	0.79	1307.79	4/13/2017 12:23	0.79	6.87	103.74	0.055	5.81	-0.836	0	0	22.21	0	0	0	0	287.83	24.269	0.36
MAS19	0.02	0.22	1375.22	4/13/2017 12:00	0.22	29.37	29.37	0.402	0.402	-0.434	0	0	66.78	0	0	0	0	18.71	2.698	1.57
MAS2	0.74	3.74	1337.74	4/13/2017 12:05	3.74	8.96	153.34	0.095	2.09	-3.796	0	0	28.26	0	0	0	0	117.17	9.563	1.309
MAS20	0.05	0.5	1386.9	4/13/2017 12:00	0.5	51.66	51.66	0.722	0.722	-0.122	0	0	21.5	0	0	0	0	17.91	3.02	2.884
MAS21	0.03	0.31	1372	4/13/2017 12:02	0.31	0	21.19	0	0.259	-1.662	0	0	14.69	0	0	0	0	15.36	1.209	1.38
MAS22	0.01	0.13	1401.79	4/13/2017 12:03	0.13	7.97	7.97	0.08	0.08	-6.903	0	0	70.87	0	0	0	0	5.59	0.245	1.426
MAS23	0.14	0.78	1350.82	4/13/2017 12:00	0.78	47.96	94.24	0.567	1.25	-0.56	0	0	36.22	0	0	0	0	31.66	2.788	2.977
MAS24	0.04	0.61	1364.13	4/13/2017 12:00	0.61	8.81	41.49	0.118	0.511	-0.437	0	0	45.39	0	0	0	0	23.46	2.514	1.769

Junctions SWMM 2-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
MAS26	0.02	0.19	1408.41	4/13/2017 12:00	0.19	15.36	15.36	0.187	0.187	-0.407	0	0	11.81	0	0	0	0	7.95	0.98	1.932
MAS27	0.07	0.36	1397.02	4/13/2017 12:00	0.36	8.74	23.93	0.063	0.251	-1.881	0	0	11.64	0	0	0	0	15.36	1.209	1.558
MAS29	0.1	0.45	1346.01	4/13/2017 12:08	0.45	0	28.24	0	0.701	-0.063	0	0	9.55	0	0	0	0	22.67	1.802	1.246
MAS3	0.08	0.5	1327.04	4/13/2017 12:00	0.5	5.96	26.7	0.048	0.279	-3.519	0	0	24.5	0	0	0	0	17.35	1.509	1.539
MAS30	0.03	0.37	1391.58	4/13/2017 12:00	0.37	24.95	24.95	0.391	0.391	-0.093	0	0	10.63	0	0	0	0	10.67	0.866	2.338
MAS31	0.02	0.38	1379.38	4/13/2017 11:55	0.38	32.1	82.9	0.327	1.05	-0.51	0	0	21.62	0	0	0	0	26.51	3.59	3.127
MAS32	0.05	0.53	1329.84	4/13/2017 12:00	0.53	11.67	55.33	0.19	1.35	-0.367	0	0	24.47	0	0	0	0	38.49	3.539	1.438
MAS33	0.01	0.35	1361.35	4/13/2017 12:00	0.35	22.16	22.16	0.167	0.167	-0.362	0	0	24.65	0	0	0	0	10.2	0.131	2.173
MAS34	0.06	0.46	1374.46	4/13/2017 12:00	0.46	32.23	32.23	0.351	0.351	-2.738	0	0	25.54	0	0	0	0	14.99	0.879	2.15
MAS35	0.06	0.74	1362.84	4/13/2017 12:00	0.74	55.62	55.62	0.723	0.723	-0.603	0	0	31.26	0	0	0	0	19.6	1.215	2.838
MAS36	0.03	0.21	1375.18	4/13/2017 12:00	0.21	17.45	17.45	0.266	0.266	-0.562	0	0	10.79	0	0	0	0	10.31	1.137	1.693
MAS37	0.11	2.59	1342.15	4/13/2017 12:00	2.59	33.55	33.55	0.307	0.307	-0.043	0	0	18.41	0	0	0	0	17.88	0.594	1.876
MAS38	0.11	0.53	1358.25	4/13/2017 12:00	0.53	19.74	36.78	0.329	0.597	-1.921	0	0	15.47	0	0	0	0	19.96	1.713	1.843
MAS39	1.07	2.91	1373.84	4/13/2017 12:44	2.91	8.02	66.77	0.108	2.7	1.88	0	0	26.09	0	0	0	0	35.09	4.454	1.903
MAS4	0.06	0.8	1343.8	4/13/2017 12:01	0.8	16.94	109.71	0.157	1.36	-0.504	0	0	30.2	0	0	0	0	75.29	6.225	1.457
MAS40	0.05	0.43	1336.82	4/13/2017 12:00	0.43	33.97	44.3	0.451	1.15	-0.283	0	0	24.57	0	0	0	0	34.2	2.81	1.295
MAS41	0.03	0.25	1345.92	4/13/2017 12:00	0.25	32.13	32.13	0.466	0.466	-0.765	0	0	11.75	0	0	0	0	9.78	1.979	3.285
MAS43	0.01	0.35	1353.41	4/13/2017 12:00	0.35	22.72	44.78	0.176	0.344	-0.372	0	0	30.65	0	0	0	0	20.92	0.34	2.141
MAS44	0.03	0.35	1382.76	4/13/2017 12:00	0.35	0	24.83	0	0.392	-0.265	0	0	14.65	0	0	0	0	10.67	0.866	2.327
MAS45	0.03	0.63	1346.65	4/13/2017 12:00	0.63	6.57	51.09	0.056	0.401	-2.317	0	0	30.37	0	0	0	0	24.59	0.4	2.078
MAS46	0.11	0.33	1341.18	4/13/2017 12:15	0.33	0	40.72	0	1.9	-0.026	0	0	13.67	0	0	0	0	97.57	10.384	0.417
MAS47	0.02	0.23	1402.61	4/13/2017 12:00	0.23	22.09	22.09	0.325	0.325	-0.279	0	0	19.77	0	0	0	0	7.08	1.815	3.12
MAS49	0.02	0.29	1396.29	4/13/2017 12:00	0.29	9.29	31.1	0.127	0.453	-1.052	0	0	23.71	0	0	0	0	10.27	2.434	3.028
MAS5	0.25	1.51	1310.51	4/13/2017 12:10	1.51	16.63	128.13	0.251	2.94	-0.327	0	0	40.49	0	0	0	0	159.9	13.783	0.801
MAS51	0.22	2.06	1392.62	4/13/2017 12:04	2.06	6.7	36.31	0.08	0.538	-1.99	0	0	21.94	0	0	0	0	11.76	2.888	3.088
MAS52	0.07	0.38	1377.42	4/13/2017 12:00	0.38	20.32	20.32	0.212	0.212	-1.104	0	0	11.62	0	0	0	0	11.51	1.042	1.765
MAS54	0.05	0.38	1387.34	4/13/2017 12:00	0.38	6.7	28.07	0.093	0.642	-0.103	0	0	15.62	0	0	0	0	13.51	3.348	2.078
MAS55	0.02	0.25	1340.86	4/13/2017 12:00	0.25	23.6	23.6	0.297	0.297	-1.407	0	0	10.75	0	0	0	0	8.33	1.033	2.833
MAS56	0.77	2.59	1333.59	4/13/2017 11:59	2.59	21.09	58.4	0.291	0.938	-3.249	0	0	16.41	0	0	0	0	46.78	2.133	1.248
MAS57	0.07	0.55	1346.59	4/13/2017 12:00	0.55	39.3	66.63	0.415	2.13	-0.231	0	0	23.45	0	0	0	0	72.04	7.467	0.925
MAS58	0.14	0.89	1319.05	4/13/2017 12:06	0.89	13.99	66.89	0.193	1.17	-1.22	0	0	22.11	0	0	0	0	53.4	3.245	1.253
MAS59	0.04	0.45	1358.56	4/13/2017 11:55	0.45	51.56	51.56	0.721	0.721	-0.163	0	0	48.55	0	0	0	0	15.74	3.714	3.276
MAS6	0.11	1	1312.37	4/13/2017 12:10	0.99	11.99	124.91	0.089	2.68	-0.21	0	0	41	0	0	0	0	151.8	11.61	0.823
MAS61	0.18	0.84	1342.86	4/13/2017 12:00	0.84	49.81	131.58	0.581	3.91	-0.515	0	0	26.16	0	0	0	0	114.1	13.921	1.153
MAS62	0.04	0.44	1378.88	4/13/2017 12:00	0.44	43.83	43.83	0.568	0.568	-0.425	0	0	17.56	0	0	0	0	14	1.461	3.131
MAS63	0.09	0.69	1324.18	4/13/2017 12:02	0.69	13.06	44.93	0.104	0.413	-11.387	0	0	11.31	0	0	0	0	32.35	0.897	1.389
MAS64	0.14	0.8	1351.25	4/13/2017 12:00	0.8	28.92	85.39	0.237	0.901	-3.43	0	0	48.2	0	0	0	0	38.99	3.296	2.19
MAS66	0.02	0.23	1308.29	4/13/2017 12:00	0.23	21.36	21.36	0.316	0.316	-1.083	0	0	20.77	0	0	0	0	9.26	1.126	2.307
MAS67	0.14	1.38	1308.46	4/13/2017 12:03	1.38	16.25	407.3	0.19	7.02	-0.24	0	0	23.62	0	0	0	0	174.98	19.682	2.328
MAS68	0.23	4.04	1335.04	4/13/2017 12:18	4.04	12.33	129.5	0.22	1.91	-0.848	0	0	19.96	0	0	0	0	59.69	5.597	2.17
MAS69	0.08	0.5	1307.63	4/13/2017 12:06	0.5	24.48	68.83	0.218	1.4	-0.966	0	0	19.5	0	0	0	0	62.6	3.475	1.1
MAS7	0.06	0.72	1333.59	4/13/2017 12:05	0.72	4.82	136.53	0.051	2.22	-0.128	0	0	58.28	0	0	0	0	121.03	9.858	1.128
MAS71	0.09	0.42	1340.42	4/13/2017 12:01	0.42	10.29	38.23	0.159	0.737	-1.342	0	0	17.58	0	0	0	0	17.86	1.982	2.141
MAS73	0.21	1.1	1311.1	4/13/2017 12:20	1.1	32.05	103.62	0.299	5.75	-0.111	0	0	21.9	0	0	0	0	280.94	24.018	0.369
MAS74	0.05	0.27	1304.33	4/13/2017 12:00	0.27	27.85	27.85	0.322	0.322	-3.117	0	0	15.73	0	0	0	0	17.43	1.279	1.598
MAS75	0.06	0.93	1303.66	4/13/2017 12:00	0.93	12.66	55.78	0.164	0.766	-0.309	0	0	10.07	0	0	0	0	22.36	3.45	2.495
MAS76	0.09	0.54	1295.54	4/13/2017 12:07	0.54	27.01	83.65	0.222	1.64	-2.734	0	0	25.46	0	0	0	0	78.48	3.522	1.066
MAS77	0.28	1.15	1294.29	4/13/2017 12:39	1.15	14.59	99.35	0.163	7.15	-0.224	0	0	13.85	0	0	0	0	349.84	26.88	0.284
MAS79	0.04	0.73	1383.73	4/13/2017 12:00	0.73	20.39	71.16	0.156	0.663	-2.562	0	0	32.27	0	0	0	0	23.09	1.229	3.082
MAS8	0.12	1.09	1308.09	4/13/2017 12:11	1.09	7.26	129.87	0.082	3.03	-0.202	0	0	38.91	0	0	0	0	163.21	14.185	0.796
MAS81	0.03	0.43	1386.43	4/13/2017 12:00	0.43	23.72	23.72	0.284	0.284	-0.408	0	0	51.57	0	0	0	0	8.11	1.078	2.925
MAS82	0.03	0.32	1332.32	4/13/2017 12:00	0.32	34.93	34.93	0.45	0.45	-0.281	0	0	26.68	0	0	0	0	14.62	2.281	2.389
MAS83	0.04	0.56	1314.6	4/13/2017 12:00	0.56	11.88	45.26	0.143	0.595	-0.739	0	0	26.44	0	0	0	0	17.65	2.83	2.564
MAS84	0.02	0.46	1397.46	4/13/2017 11:55	0.46	52.18	52.18	0.505	0.505	-0.344	0	0	32.54	0	0	0	0	15.81	1.102	3.3
MAS85	0.05	0.38	1309.38	4/13/2017 12:00	0.38	23.05	23.05	0.234	0.234	-1.003	0	0	13.62	0	0	0	0	14.5	0.811	1.59
MAS86	0.13	1.17	1299.18	4/13/2017 12:05	1.16	24.77	555.78	0.344	11.2	-0.331	0	0	40.83	0	0	0	0	294.59	33.778	1.887
MAS87	0.07	0.87	1298.25	4/13/2017 12:05	0.87	10.43	560.13	0.132	11.4	-0.183	0	0	41.13	0	0	0	0	299.27	34.269	1.872

Junctions SWMM 2-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
MAS88	0.12	1.31	1296.64	4/13/2017 12:06	1.31	28.14	578.52	0.301	11.8	-0.396	0	0	36.69	0	0	0	0	315.21	35.445	1.835
MAS89	0.05	0.53	1293.53	4/13/2017 12:00	0.53	19.59	41.9	0.169	0.406	-1.241	0	0	13.47	0	0	0	0	26.14	1.05	1.603
MAS9	0.08	0.82	1324.82	4/13/2017 12:07	0.82	6.7	136.87	0.039	2.27	-0.587	0	0	31.18	0	0	0	0	126.23	9.905	1.084
MAS90	0.15	0.7	1277.79	4/13/2017 12:14	0.7	26.61	171.62	0.225	9.98	-0.314	0	0	33.3	0	0	0	0	481.42	32.26	0.356
MAS91	0.26	1.79	1292.93	4/13/2017 12:07	1.79	39.87	587.73	0.462	12.3	-0.428	0	0	39.21	0	0	0	0	328.2	37.485	1.791
MAS92	0.42	1.22	1275.22	4/13/2017 12:13	1.22	19.67	196.9	0.168	10.6	-0.659	0	0	26.78	0	0	0	0	511.45	32.309	0.385
MAS93	0.01	0.28	1283.16	4/13/2017 12:01	0.28	24.35	37.96	0.232	0.407	-1.5	0	0	12.72	0	0	0	0	22.33	0.049	1.7
MAS95	0.4	2.09	1290.3	4/13/2017 12:08	2.09	18.5	592.86	0.181	12.6	-0.646	0	0	38.91	0	0	0	0	336.64	37.906	1.761
MAS96	0.03	0.29	1301.47	4/13/2017 12:02	0.29	4.3	15.29	0.054	0.171	-2.346	0	0	10.71	0	0	0	0	9.59	0.047	1.594
MAS97	0.03	0.19	1314.75	4/13/2017 12:00	0.19	4.52	4.52	0.041	0.041	-0.519	0	0	10.81	0	0	0	0	3.62	0.022	1.249
MAS99	0.02	0.46	1277.93	4/13/2017 12:00	0.46	22.07	22.07	0.241	0.241	-0.338	0	0	11.54	0	0	0	0	11.12	0.034	1.985
MASJ1021	0.03	0.18	1318.18	4/13/2017 12:08	0.18	17.35	21.01	0.294	0.914	-3.459	0	0	10.82	0	0	0	0	41.53	2.987	0.506
MASJ108	0.05	0.19	1313.67	4/13/2017 12:00	0.19	8.34	9.41	0.119	0.129	-4.038	0	0	7.81	0	0	0	0	11.33	1.773	0.831
MASJ1090	0.03	0.39	1372.87	4/13/2017 11:56	0.38	0	30.99	0	0.377	-1.272	0	0	22.61	0	0	0	0	9.01	1.501	3.44
MASJ110	0.02	0.19	1341.46	4/13/2017 12:00	0.19	14.26	14.26	0.237	0.237	-0.437	0	0	21.81	0	0	0	0	5.03	1.027	2.835
MASJ1111	0.01	0.09	1302.09	4/13/2017 12:00	0.09	7.96	7.96	0.095	0.095	-0.563	0	0	10.91	0	0	0	0	4.74	0.478	1.679
MASJ1119	1.45	2.43	1317.85	4/13/2017 13:03	2.43	0	16.9	0	0.946	-12.832	0	0	8.57	0	0	0	0	41.53	2.987	0.407
MASJ112	0	0.06	1330.45	4/13/2017 12:01	0.06	0	1.56	0	0.007	-24.343	0	0	7.94	0	0	0	0	8	1.566	0.195
MASJ114	0.03	0.27	1317.91	4/13/2017 12:00	0.27	18.53	40.61	0.3	0.674	-0.412	0	0	18.73	0	0	0	0	13.83	3.044	2.936
MASJ1141	0.75	1.77	1317.77	4/13/2017 13:48	1.77	20.97	29.41	0.36	1.7	-11.311	0	0	8.23	0	0	0	0	55.92	4.959	0.526
MASJ116	0.04	0.36	1300.97	4/13/2017 12:00	0.36	0	40.43	0	0.676	-0.736	0	0	12.64	0	0	0	0	13.83	3.044	2.923
MASJ1161	0.24	1.42	1325.77	4/13/2017 12:33	1.42	0	42.51	0	0.686	-16.152	0	0	12.58	0	0	0	0	17.81	0.868	2.387
MASJ117	0.02	0.31	1329.05	4/13/2017 12:00	0.31	5.87	5.87	0.086	0.086	-0.391	0	0	8.69	0	0	0	0	1.92	0.307	3.057
MASJ1171	0	0.01	1325.99	4/13/2017 0:00	0	0	0	0	0	-97.779	0	0	7.99	0	0	0	0	17.81	0.868	0
MASJ119	0.34	0.98	1324.78	4/13/2017 12:22	0.98	0	12.66	0	1.04	-0.683	0	0	8.02	0	0	0	0	23.2	1.538	0.546
MASJ121	0.1	0.43	1324.18	4/13/2017 12:24	0.43	0	12.64	0	1.05	-0.438	0	0	7.57	0	0	0	0	23.2	1.538	0.545
MASJ122	0.18	0.68	1316.68	4/13/2017 12:07	0.68	7.79	18.07	0.108	1.23	-0.662	0	0	9.32	0	0	0	0	30.78	1.792	0.587
MASJ124	0.33	1.18	1315.2	4/13/2017 12:13	1.18	0	141.22	0	4.98	-0.31	0	0	11.82	0	0	0	0	241.71	9.782	0.584
MASJ126	0.04	0.58	1327.58	4/13/2017 12:00	0.58	7.1	12.94	0.088	0.174	-1.166	0	0	8.42	0	0	0	0	4.31	0.446	3.002
MASJ127	0.09	1.26	1327.26	4/13/2017 12:02	1.26	10.84	23.54	0.126	0.302	-1.011	0	0	7.74	0	0	0	0	7.96	0.533	2.957
MASJ128	0.07	1.53	1327.23	4/13/2017 12:03	1.53	0	18.49	0	0.306	-0.474	0	0	7.47	0	0	0	0	7.96	0.533	2.323
MASJ129	0.06	0.72	1326.26	4/13/2017 12:00	0.72	6.87	21.19	0.088	0.391	-0.364	0	0	8.28	0	0	0	0	10.44	0.652	2.03
MASJ130	0.21	1.14	1325.44	4/13/2017 12:25	1.14	10.91	12	0.167	0.984	-0.321	0	0	7.86	0	0	0	0	21.93	1.36	0.547
MASJ132	0.27	1.38	1325.43	4/13/2017 12:26	1.38	0	11.92	0	0.974	-0.465	0	0	7.62	0	0	0	0	21.93	1.36	0.544
MASJ133	0.23	0.89	1324.89	4/13/2017 12:20	0.89	3.87	12.67	0.055	1.03	-0.59	0	0	8.11	0	0	0	0	23.2	1.538	0.546
MASJ135	0.03	0.25	1327.08	4/13/2017 11:58	0.25	5.29	5.29	0.056	0.056	-2.987	0	0	9.75	0	0	0	0	5.78	0.532	0.915
MASJ1351	0.01	0.07	1325.73	4/13/2017 0:00	0.07	0	0	0	0	-99.98	0	0	11.93	0	0	0	0	7.96	0.533	0
MASJ1352	0	0.15	1325.07	4/13/2017 12:05	0.15	0	3.13	0	0.005	-15.836	0	0	9.85	0	0	0	0	7.96	0.533	0.393
MASJ136	0.01	0.07	1325.7	4/13/2017 0:00	0.06	0	0	0	0	-99.981	0	0	8.93	0	0	0	0	12.31	0.763	0
MASJ1361	0.13	0.53	1319.53	4/13/2017 12:08	0.53	0	13.63	0	1.1	-1.243	0	0	7.47	0	0	0	0	24.3	1.614	0.561
MASJ1362	0	0.05	1325.51	4/13/2017 0:00	0.04	0	0	0	0	-99.776	0	0	6.95	0	0	0	0	23.2	1.538	0
MASJ137	0.11	0.44	1317.07	4/13/2017 12:15	0.44	0	13.68	0	1.11	-0.943	0	0	7.56	0	0	0	0	24.3	1.614	0.563
MASJ140	1.2	2.69	1236.69	4/13/2017 15:32	2.69	2.03	2202.19	0.042	477	0.043	0	0	26.31	0	0	0	0	4013.66	315.389	0.549
MASJ1801	0.07	0.41	1331.12	4/13/2017 12:00	0.41	10.93	24.57	0.138	0.376	-1.277	0	0	21.59	0	0	0	0	8	1.566	3.071
MASJ1803	0.03	0.21	1302.86	4/13/2017 12:01	0.21	11.81	20.16	0.214	0.349	-2.904	0	0	9.79	0	0	0	0	16.41	2.581	1.229
MASJ1848	0.09	0.54	1288.37	4/13/2017 12:01	0.54	0	40.11	0	0.681	-0.821	0	0	20.46	0	0	0	0	13.83	3.044	2.9
MASJ2123	0.11	1.21	1347.21	4/13/2017 12:01	1.21	0	95.59	0	1.3	-0.448	0	0	30.79	0	0	0	0	33.5	4.922	2.853
MASJ2149	0.06	0.66	1354.29	4/13/2017 12:00	0.66	11.9	95.9	0.161	1.29	-0.22	0	0	31.34	0	0	0	0	33.5	4.922	2.863
MASJ2187	0.19	1.05	1363.6	4/13/2017 12:00	1.05	18.62	86.26	0.229	1.12	-1.14	0	0	19.95	0	0	0	0	29.1	4.329	2.964
MASJ2191	0.11	1.14	1383.8	4/13/2017 11:55	1.14	17.67	17.67	0.25	0.25	-0.038	0	0	7.86	0	0	0	0	6.1	1.352	2.897
MASJ2703	0.05	0.44	1371.91	4/13/2017 11:57	0.44	23.1	69.33	0.247	0.879	-1.234	0	0	22.56	0	0	0	0	21.63	3.631	3.205
MASJ2769	0.04	0.16	1319.03	4/13/2017 12:06	0.16	0	7.19	0	0.499	-1.082	0	0	12.84	0	0	0	0	31.78	2.037	0.226
MASJ2814	0.05	0.27	1323.27	4/13/2017 11:57	0.27	3.98	3.98	0.044	0.047	-9.485	0	0	9.73	0	0	0	0	24.21	1.67	0.164
MASJ2948	0.14	1.48	1254.48	4/13/2017 12:05	1.48	30.54	204.11	0.399	3.54	-0.527	0	0	13.52	0	0	0	0	115.15	18.17	1.773
MASJ3041	4.85	9.25	1232.75	4/13/2017 15:35	9.25	2.25	2201.65	0.033	477	0.048	0	0	41.75	0	0	0	0	4058.5	317.96	0.542
MASJ888	0.03	0.19	1322.07	4/13/2017 12:02	0.19	5.24	9.23	0.066	0.118	-4.016	0	0	9.81	0	0	0	0	25.95	1.79	0.356
MASJ916	0	0.07	1324.07	4/13/2017 0:00	0.07	0	0.18	0	0	-85.437	0	0	8.93	0	0	0	0	23.2	1.538	0.008

Junctions SWMM 2-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
MASJ929	0.07	0.49	1319.42	4/13/2017 12:01	0.49	0	5.06	0	0.058	-6.178	0	0	12.51	0	0	0	0	5.78	0.532	0.875
MASJ95	0.02	0.33	1380.88	4/13/2017 11:55	0.33	0	31.36	0	0.376	-0.351	0	0	20.67	0	0	0	0	9.01	1.501	3.481
PostOakIntoCity	0.55	1.48	1309.48	4/13/2017 13:50	1.48	437.38	437.38	30.5	30.5	0.02	0	0	24.52	0	0	0	0	0	0	0
J908	0.17	0.75	1346.77	4/13/2017 12:00	0.75	38.04	38.04	0.704	0.704	-1.217	0	0	23.25	0	0	0	0	17.87	2.405	2.129
J149	0.13	1.21	1336.21	4/13/2017 12:05	1.21	0	36.64	0	0.713	1.055	0	0	22.79	0	0	0	0	17.87	2.405	2.05
MAS78_DS	3.06	3.67	1352.67	4/13/2017 12:01	3.67	0	33.51	0	0.36	-2.078	0	0	46.33	0	0	0	0	14.67	0.767	2.284
J73	0.15	0.84	1304.84	4/13/2017 12:03	0.84	27.44	66.97	0.354	2.7	-0.416	0	0	13.16	0	0	0	0	77.13	4.449	0.868
1	0.03	0.19	1311.78	4/13/2017 12:00	0.19	0	4.47	0	0.041	-1.606	0	0	10.81	0	0	0	0	3.62	0.022	1.235
3	0.03	0.25	1305.92	4/13/2017 12:00	0.25	7.23	11.46	0.073	0.115	-1.546	0	0	10.75	0	0	0	0	7.14	0.022	1.605
J72	0.36	2.37	1309.37	4/13/2017 12:25	2.37	19.83	53.62	0.235	2.18	-0.451	0	0	13.63	0	0	0	0	63.54	3.179	0.844
J2828	1.22	2.71	1252.03	4/13/2017 16:36	2.71	0	1982.92	0	414	0.026	0	0	51.29	0	0	0	0	1458.2	102.249	1.36
J2780	1.66	3.65	1252.15	4/13/2017 16:35	3.65	0	1982.58	0	414	0.079	0	0	25.35	0	0	0	0	1458.2	102.249	1.36
MAS42	0.31	2.7	1350.7	4/13/2017 12:07	2.7	7.73	42.46	0.094	0.703	0.344	0	0	8.3	0	0	0	0	22.67	1.802	1.873

Junctions SWMM 5-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
AmmanLWCDS	0.09	0.69	1362.14	4/13/2017 12:10	0.69	0	261.55	0	2.49	-8.62	0	0	24.31	0	0	0	0	256.244	4.15	1.021
AmmanLWCUS	0.01	0.33	1362.33	4/13/2017 12:00	0.33	262.29	262.29	2.49	2.49	-0.013	0	0	8.67	0	0	0	0	256.244	4.15	1.024
BalcIntoCity	1.91	5.95	1285.95	4/13/2017 15:40	5.95	5277.57	5277.57	507	507	0.03	0	0	29.05	0	0	0	0	0	0	0
CibIntoCity	3.85	10.76	1286.76	4/13/2017 14:52	10.76	10000.97	10000.97	1150	1150	0.034	0	0	31.24	0	0	0	0	5.04	0	1984.319
F1	0.2	0.85	1340.79	4/13/2017 12:00	0.84	0	57.51	0	3.47	-0.15	0	0	13.15	0	0	0	0	55.08	4.06	1.044
f14	0.58	3.04	1369.04	4/13/2017 12:34	3.04	0	36.71	0	0.703	-0.517	0	0	5.96	0	0	0	0	11.35	0.809	3.234
f15	0.07	0.23	1366	4/13/2017 12:36	0.23	0	6.76	0	0.695	-0.167	0	0	8.77	0	0	0	0	11.35	0.809	0.596
F3	0.77	3.58	1350.58	4/13/2017 12:42	3.58	0	66.6	0	1.94	-1.983	0	0	9.42	0	0	0	0	32.1	1.839	2.075
F4	0.12	0.34	1346.17	4/13/2017 12:42	0.34	0	19.25	0	1.98	-0.063	0	0	8.66	0	0	0	0	32.1	1.839	0.6
f5	0.34	1.64	1362.18	4/13/2017 13:27	1.64	0	6.75	0	0.696	-0.731	0	0	7.36	0	0	0	0	11.35	0.809	0.595
f6	0.1	0.23	1359.55	4/13/2017 13:28	0.23	0	6.36	0	0.701	-0.255	0	0	10.77	0	0	0	0	11.35	0.809	0.56
f7	0.6	2.56	1358.56	4/13/2017 13:31	2.56	0	6.36	0	0.703	-1.856	0	0	8.44	0	0	0	0	11.35	0.809	0.56
f8	0.05	0.17	1355.61	4/13/2017 13:32	0.17	0	6.36	0	0.716	-0.337	0	0	9.83	0	0	0	0	11.35	0.809	0.56
f9	0.09	0.28	1347.46	4/13/2017 13:33	0.28	0	6.36	0	0.719	-1.401	0	0	9.72	0	0	0	0	11.35	0.809	0.56
GR1	0.29	1.14	1374.14	4/13/2017 12:00	1.14	0	85.14	0	1.04	-3.626	0	0	17.86	0	0	0	0	22.85	2.809	3.726
GR10	0.34	4.97	1289.15	4/13/2017 12:06	4.97	0	436.84	0	6.51	0.829	0	0	14.03	0	0	0	0	101.24	8.943	4.315
GR11	0.33	4.65	1343.65	4/13/2017 12:04	4.65	0	61.07	0	0.873	-0.901	0	0	22.35	0	0	0	0	13.01	1.687	4.694
GR12	0.24	1.74	1278.74	4/13/2017 12:18	1.74	0	478.04	0	17.8	-0.047	0	0	20.26	0	0	0	0	273.04	25.157	1.751
GR13	0.68	5.64	1283.64	4/13/2017 12:18	5.63	0	501.72	0	17.8	-0.195	0	0	14.36	0	0	0	0	273.04	25.157	1.838
gr14	0.21	2.9	1299.9	4/13/2017 12:04	2.9	20.44	431.14	0.266	14	0.008	0	0	21.1	0	0	0	0	219.11	18.599	1.968
gr15	0.66	2.72	1298.09	4/13/2017 12:05	2.72	0	429.44	0	14	-0.136	0	0	14.28	0	0	0	0	219.11	18.599	1.96
gr16	0.21	2.31	1295.31	4/13/2017 12:14	2.3	30.72	498.29	0.363	16.1	-0.052	0	0	22.69	0	0	0	0	248.91	22.713	2.002
gr17	0.28	3.46	1295.46	4/13/2017 12:14	3.43	0	902.5	0	16.1	-0.49	0	0	21.54	0	0	0	0	248.91	22.713	3.626
gr18	0.39	2.29	1293.29	4/13/2017 12:11	2.28	0	584.18	0	16.1	-0.076	0	0	21.71	0	0	0	0	248.91	22.713	2.347
gr19	0.77	3.45	1292.65	4/13/2017 12:06	3.45	0	503.82	0	16.2	-0.106	0	0	20.55	0	0	0	0	248.91	22.713	2.024
gr20	0.29	1.43	1289.73	4/13/2017 12:06	1.43	0	496.22	0	16.2	-0.041	0	0	22.57	0	0	0	0	248.91	22.713	1.994
gr21	0.28	2.09	1289.49	4/13/2017 12:06	2.09	58.91	524.85	0.788	17	-0.114	0	0	23.91	0	0	0	0	261.54	23.729	2.007
GR4	1.69	3.07	1347.07	4/13/2017 12:00	3.07	0	223.85	0	2.77	-1.001	0	0	34.93	0	0	0	0	58.76	7.319	3.81
GR5	0.12	1.58	1343.67	4/13/2017 12:01	1.58	0	223.38	0	2.79	-0.304	0	0	11.42	0	0	0	0	58.76	7.319	3.802
GR7	0.14	1.47	1314.51	4/13/2017 12:04	1.47	49.28	357.07	0.678	5.58	-0.018	0	0	15.53	0	0	0	0	113.07	16.258	3.158
GR8	0.34	3.16	1317.16	4/13/2017 12:04	3.16	0	332.3	0	4.89	-0.209	0	0	11.84	0	0	0	0	102.56	13.732	3.24
GR9	0.17	1.52	1319.94	4/13/2017 12:04	1.52	0	343.52	0	4.86	-0.561	0	0	13.48	0	0	0	0	102.56	13.732	3.349
J_0406_3	0.1	0.68	1261.62	4/13/2017 12:01	0.68	0	77.11	0	1.24	-2.137	0	0	24.32	0	0	0	0	19.23	2.117	4.01
J1	0.18	2.15	1371.98	4/13/2017 12:00	2.15	15.08	114.17	0.225	1.81	-0.228	0	0	33.85	0	0	0	0	50.69	6.821	2.252
J10	0.14	1.03	1282.14	4/13/2017 12:04	1.03	0	51.67	0	0.79	-0.169	0	0	9.97	0	0	0	0	21.19	2.268	2.438
J100	0.03	0.22	1292.11	4/13/2017 12:26	0.22	0	65.35	0	1.88	-2.413	0	0	66.78	0	0	0	0	48.41	1.547	1.35
J1000	0.08	0.33	1294.1	4/13/2017 12:07	0.33	16.1	27.38	0.235	0.881	-1.321	0	0	9.67	0	0	0	0	20.49	0.368	1.336
J1004	0.05	0.61	1305.69	4/13/2017 12:03	0.61	33.54	64.55	0.475	0.994	-1.462	0	0	19.39	0	0	0	0	18.35	0.87	3.518
J101	0.13	0.49	1318.49	4/13/2017 14:11	0.49	12.95	19.08	0.223	0.423	-9.201	0	0	9.51	0	0	0	0	4.88	0.835	3.91
J1012	0.22	1.43	1296.84	4/13/2017 12:09	1.43	17.79	276.2	0.226	9.39	-0.879	0	0	38.57	0	0	0	0	247.57	9.943	1.116
J1016	0.06	0.44	1304.44	4/13/2017 12:05	0.44	0	60.19	0	0.908	-2.104	0	0	18.56	0	0	0	0	24.07	1.511	2.501
J102	0.03	0.38	1309.38	4/13/2017 12:08	0.38	125.56	133.83	1.31	1.54	-2.499	0	0	64.62	0	0	0	0	40.12	1.4	3.336
J1023	0.04	0.53	1300.89	4/13/2017 12:00	0.53	61.52	61.52	1.08	1.08	-0.268	0	0	9.47	0	0	0	0	18.28	1.363	3.365
J1027	0.24	2.06	1323.06	4/13/2017 12:18	2.06	52.07	198.52	0.851	4.16	0.077	0	0	9.94	0	0	0	0	67.92	5.397	2.923
J1031	0.08	0.75	1309.34	4/13/2017 11:55	0.75	24.04	111.76	0.28	1.51	-0.86	0	0	23.25	0	0	0	0	23.52	2.333	4.752
J1033	0.1	0.41	1298.41	4/13/2017 12:08	0.41	22.27	66.12	0.38	1.4	-1.426	0	0	14.59	0	0	0	0	25.09	1.179	2.635
J1037	0.39	0.93	1300.12	4/13/2017 12:01	0.93	27.49	86	0.588	1.67	-1.84	0	0	10.07	0	0	0	0	36.4	2.65	2.363
J104	3.18	4.07	1311.92	4/13/2017 12:46	4.07	35.02	85.19	0.49	1.19	202.65	0	0	23.93	0	0	0	0	15.04	1.925	5.664
J1043	0.06	0.69	1337.46	4/13/2017 12:00	0.69	87.54	87.54	1.29	1.29	-0.146	0	0	18.31	0	0	0	0	23.4	0.423	3.741
J1045	0.04	0.52	1297.86	4/13/2017 12:02	0.52	31.19	109.7	0.399	2.1	-0.307	0	0	12.48	0	0	0	0	43.7	2.65	2.51
J1047	0.1	0.73	1290.73	4/13/2017 12:05	0.73	14.3	90.48	0.166	1.92	-0.588	0	0	14.27	0	0	0	0	35.14	0.809	2.575
J1049	0.06	0.58	1321.76	4/13/2017 11:55	0.57	88.97	88.97	1.23	1.23	-0.099	0	0	23.42	0	0	0	0	19.02	2.028	4.678
J1053	0.07	0.37	1299.18	4/13/2017 12:07	0.37	22.95	65.75	0.365	1.29	-3.322	0	0	12.63	0	0	0	0	29.96	2.065	2.195
J106	0.17	0.62	1312.01	4/13/2017 12:01	0.62	81.05	81.05	1.17	1.56	1.377	0	0	27.38	0	0	0	0	38.73	4.016	2.093
J1060	0.06	0.09	1311.69	4/13/2017 14:05	0.09	0	20.77	0	7.16	-0.045	0	0	44.91	0	0	0	0	123.84	10.356	0.168
J1069	0.03	0.23	1296.03	4/13/2017 11:57	0.23	11.66	11.66	0.267	0.267	-1.528	0	0	12.77	0	0	0	0	4.91	0.289	2.375
J107	0.13	0.54	1329.54	4/13/2017 12:07	0.54	0	45.36	0	1.3	-0.192	0	0	24.46	0	0	0	0	20.48	2.44	2.215
J1074	0.07	0.53	1289.87	4/13/2017 12:18	0.53	0	27.25	0	0.893	-0.359	0	0	12.47	0	0	0	0	20.49	0.368	1.33
J108	0.16	0.63	1333.99	4/13/2017 12:07	0.63	0	39.85	0	1.15	-0.021	0	0	9.37	0	0	0	0	17.87	2.405	2.23
J1083	0.04	0.65	1319.75	4/13/2017 12:00	0.65	25.36	111.99	0.363	1.65	-0.447	0	0	22.35	0	0	0	0	29.26	0.902	3.827

Junctions SWMM 5-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J1085	0.05	0.4	1308.4	4/13/2017 12:09	0.4	16.24	36.4	0.25	1.03	-1.612	0	0	15.6	0	0	0	0	16.26	1.755	2.239
J109	0.05	0.48	1311.74	4/13/2017 12:01	0.48	62.36	75.45	0.675	1.51	-0.51	0	0	30.52	0	0	0	0	57.55	4.171	1.311
J1093	0.08	0.49	1307.51	4/13/2017 12:00	0.49	26.11	26.11	0.426	0.426	-2.571	0	0	15.51	0	0	0	0	7.23	0.48	3.611
J1095	0.01	0.18	1291.58	4/13/2017 12:03	0.18	18.72	25.97	0.281	0.403	-6.277	0	0	13.82	0	0	0	0	7.36	0.133	3.529
J11	2.22	7.2	1284.2	4/13/2017 15:43	7.2	30.12	5275.57	0.356	508	0.069	0	0	28.8	0	0	0	0	20.28	0.046	260.137
J110	0.17	1.73	1332.73	4/13/2017 12:06	1.73	13.22	46.3	0.149	1.3	-0.062	0	0	8.27	0	0	0	0	20.48	2.44	2.261
J1100	0.02	0.2	1293.2	4/13/2017 12:03	0.2	8.18	20.57	0.173	0.444	-2.332	0	0	12.8	0	0	0	0	8.43	0.289	2.44
J1102	0.08	0.38	1285.99	4/13/2017 12:05	0.38	34.56	44.26	0.537	1.15	-2.476	0	0	11.62	0	0	0	0	21.1	0.504	2.098
J1104	1.68	6.02	1285.17	4/13/2017 13:49	6.02	36.04	2443	0.271	160	-0.008	0	0	40.98	0	0	0	0	597.72	24.663	4.087
J1106	0.52	1.92	1286.07	4/13/2017 12:09	1.92	0	286.45	0	19.7	0.03	0	0	19.08	0	0	0	0	1456.34	32.095	0.197
J1110	1.71	7.94	1288.94	4/13/2017 13:47	7.94	83.37	2442.7	0.953	160	-0.005	0	0	39.06	0	0	0	0	588.3	24.617	4.152
J1112	0.19	3.15	1316.15	4/13/2017 12:05	3.15	0	110.2	0	1.66	-0.286	0	0	19.85	0	0	0	0	29.26	0.902	3.766
J1117	0.05	0.44	1286.44	4/13/2017 12:05	0.44	23.15	33.35	0.287	1.18	-1.332	0	0	13.56	0	0	0	0	25.72	0.368	1.297
J112	2.53	9.69	1243.49	4/13/2017 16:10	9.64	7.92	16467.69	0.103	1910	-0.013	0	0	20.31	0	0	0	0	4030.57	317.402	4.086
J1121	0.14	0.5	1319.55	4/13/2017 12:00	0.5	27.17	27.17	0.362	0.362	-4.404	0	0	17.5	0	0	0	0	6.42	0.138	4.232
J113	0.16	0.9	1321.84	4/13/2017 11:58	0.9	38.26	38.26	0.528	0.528	-1.007	0	0	8.1	0	0	0	0	8.41	0.726	4.549
J1133	0.05	0.3	1292.54	4/13/2017 12:03	0.3	7.99	24.66	0.117	0.572	-2.197	0	0	12.7	0	0	0	0	10.43	0.387	2.364
J1138	2.85	7.83	1281.29	4/13/2017 14:55	7.83	64.96	10029.72	0.782	1170	0.078	0	0	40.17	0	0	0	0	417.98	22.75	23.996
J1140	0.05	0.4	1282.51	4/13/2017 12:12	0.4	0	46.73	0	1.18	-1.242	0	0	12.6	0	0	0	0	21.1	0.504	2.215
J1143	2.5	7.84	1282.09	4/13/2017 14:55	7.84	30.28	10029.58	0.333	1170	0.07	0	0	36.16	0	0	0	0	401.95	21.079	24.952
J1149	0.37	1.52	1283.61	4/13/2017 12:11	1.52	11.41	292.19	0.196	19.9	0.051	0	0	19.48	0	0	0	0	1460.15	32.095	0.2
J115	0.1	0.53	1319.28	4/13/2017 12:00	0.53	16.76	55.4	0.27	0.804	-1.898	0	0	20.47	0	0	0	0	12.62	1.214	4.39
J1151	0.07	0.91	1292.91	4/13/2017 12:00	0.91	18.12	105.3	0.256	2.13	-0.156	0	0	25.09	0	0	0	0	36.15	1.864	2.913
J1153	0.02	0.23	1289.23	4/13/2017 12:00	0.23	11.38	11.38	0.088	0.088	-5.77	0	0	15.77	0	0	0	0	9.19	0	1.238
J1155	0.47	2.04	1282.05	4/13/2017 12:13	2.04	10.99	308.05	0.133	20.4	0.018	0	0	14.96	0	0	0	0	1470.98	32.095	0.209
J1157	0.03	0.32	1316.33	4/13/2017 12:05	0.32	22.04	35.67	0.42	0.621	-2.867	0	0	12.68	0	0	0	0	10.98	0.546	3.249
J116	0.21	3.83	1262.83	4/13/2017 12:07	3.83	0	122.19	0	1.95	-0.065	0	0	20.17	0	0	0	0	50.9	4.137	2.401
J1161	0.19	0.79	1287.04	4/13/2017 12:35	0.79	7.06	78.54	0.118	4.27	-0.651	0	0	19.21	0	0	0	0	109.77	3.918	0.715
J1163	0.05	0.66	1294.72	4/13/2017 11:55	0.66	51.83	51.83	0.717	0.717	-0.903	0	0	21.34	0	0	0	0	11.44	1.002	4.531
J1168	0.04	0.28	1314.28	4/13/2017 12:15	0.28	11.15	33.44	0.282	0.922	-2.113	0	0	35.72	0	0	0	0	18.24	1.619	1.833
J117	0.04	0.5	1257.62	4/13/2017 12:10	0.5	0	104.09	0	1.95	-4.387	0	0	25.5	0	0	0	0	50.9	4.137	2.045
J1170	0.09	0.5	1310.5	4/13/2017 12:16	0.5	0	43.41	0	1.56	-0.612	0	0	22.5	0	0	0	0	25.95	1.273	1.673
J1178	0.39	1.56	1282.56	4/13/2017 12:12	1.56	35.03	305.19	0.457	20.3	0.013	0	0	15.44	0	0	0	0	1468.58	32.095	0.208
J1182	0.02	0.35	1316.93	4/13/2017 11:56	0.35	13.03	13.03	0.197	0.197	-1.813	0	0	12.65	0	0	0	0	3.68	0.028	3.541
J1185	0.46	1.47	1276.47	4/13/2017 12:20	1.47	23.5	369.37	0.28	23.6	-0.004	0	0	25.53	0	0	0	0	1532.58	32.968	0.241
J1190	3.51	10.84	1279.84	4/13/2017 15:02	10.84	68.17	10029.66	0.834	1170	0.077	0	0	38.16	0	0	0	0	435	23.363	23.057
J1192	0.87	5	1314.89	4/13/2017 12:12	5	79.79	106.21	1.16	1.54	-1.243	0	0	13	0	0	0	0	25.95	1.273	4.093
J1197	0.09	0.54	1285.6	4/13/2017 12:23	0.54	28.49	74.73	0.455	2.39	-1.405	0	0	13.46	0	0	0	0	49.09	2.452	1.522
J1199	0.33	1.33	1275.65	4/13/2017 12:21	1.33	0	369.21	0	23.6	0.021	0	0	29.67	0	0	0	0	1532.58	32.968	0.241
J12	0.14	1.7	1284.7	4/13/2017 12:03	1.7	0	63.9	0	0.783	-0.788	0	0	10.3	0	0	0	0	21.19	2.268	3.016
J120	1.84	2.67	1274.67	4/13/2017 12:04	2.67	0	154.92	0	7.83	-0.317	0	0	9.33	0	0	0	0	177.14	7.223	0.875
J1203	0.07	0.56	1341.28	4/13/2017 12:00	0.56	47.93	47.93	0.633	0.633	-1.552	0	0	18.44	0	0	0	0	17.55	0	2.731
J121	0.13	0.76	1272.98	4/13/2017 12:04	0.76	0	154.79	0	7.86	-0.065	0	0	11.24	0	0	0	0	177.14	7.223	0.874
J1212	0.04	0.46	1289.58	4/13/2017 12:00	0.46	26.59	26.59	0.398	0.398	-1.972	0	0	10.54	0	0	0	0	7.08	0.228	3.756
J122	0.19	0.76	1271.76	4/13/2017 12:11	0.76	0	90.88	0	2.66	-1.923	0	0	14.24	0	0	0	0	44.12	4.437	2.06
J1223	0.89	4.12	1281.37	4/13/2017 13:50	4.12	21.64	2442.27	0.187	161	-0.002	0	0	23.88	0	0	0	0	618.01	24.663	3.952
J1227	0.04	0.43	1289.37	4/13/2017 11:55	0.43	54.26	54.26	0.832	0.832	-1.03	0	0	12.57	0	0	0	0	15.03	1.204	3.61
J123	1.67	4.13	1261.2	4/13/2017 12:44	4.13	19.1	724.1	0.257	47.3	-0.229	0	0	15.87	0	0	0	0	1990.45	52.764	0.364
J1232	0.02	0.25	1278.24	4/13/2017 12:03	0.25	15.41	98.86	0.176	1.95	-0.672	0	0	10.75	0	0	0	0	34.29	1.802	2.883
J1234	0.11	0.6	1294.44	4/13/2017 12:00	0.6	64.4	72.7	0.962	2.53	-0.92	0	0	22.4	0	0	0	0	42.42	2.148	1.714
J1236	1.37	4.92	1280.92	4/13/2017 13:51	4.92	0	2441.81	0	161	-0.007	0	0	23.08	0	0	0	0	618.01	24.663	3.951
J1238	0.05	0.31	1330.31	4/13/2017 12:00	0.31	20.75	20.75	0.317	0.317	-2.225	0	0	18.69	0	0	0	0	6.01	0	3.453
J1240	0.03	0.34	1278.97	4/13/2017 12:00	0.34	44.81	44.81	0.671	0.671	-1.511	0	0	15.66	0	0	0	0	13.02	0.028	3.442
J1242	0.06	0.23	1310.77	4/13/2017 11:55	0.23	10.39	10.39	0.168	0.168	-0.284	0	0	7.77	0	0	0	0	3.13	0.756	3.319
J1245	0.03	0.54	1323.54	4/13/2017 12:02	0.54	45.25	131.14	0.726	2.18	-0.472	0	0	13.46	0	0	0	0	44.22	0.646	2.966
J1249	0.19	1.19	1312.31	4/13/2017 12:17	1.19	13.4	100.17	0.197	3.21	-0.116	0	0	15.81	0	0	0	0	57.98	2.554	1.728
J125	0.42	1.48	1269.22	4/13/2017 13:05	1.48	0	99.45	0	1.51	3.88	0	0	9.52	0	0	0	0	25.68	0.026	3.873
J1255	4.39	12.37	1279.49	4/13/2017 15:02	12.37	30.39	10021.67	0.245	1170	0.16	0	0	39.63	0	0	0	0	441.33	23.472	22.708
J1259	0.01	0.09	1314.59	4/13/2017 12:00	0.08	7.82	7.82	0.142	0.142	-1.096	0	0	9.91	0	0	0	0	3.74	0.28	2.091
J1269	0.08	0.53	1282.14	4/13/2017 12:03	0.53	35.18	89.37	0.504	1.76	-0.625	0	0	10.47	0	0	0	0	30.83	1.802	2.899

Junctions SWMM 5-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J1271	2.84	9.1	1273.1	4/13/2017 15:07	9.1	39.01	10010.19	0.469	1170	0.108	0	0	45.9	0	0	0	0	590.85	33.302	16.942
J1279	1.06	3.44	1273.44	4/13/2017 12:30	3.44	13.87	482.45	0.101	28.8	-0.02	0	0	22.56	0	0	0	0	1634.32	37.221	0.295
J1283	1.51	3.87	1273.41	4/13/2017 12:30	3.87	14.86	476.02	0.168	29	-0.033	0	0	29.13	0	0	0	0	1637.95	37.221	0.291
J1285	0.23	1.5	1293.38	4/13/2017 12:30	1.5	19.66	87.02	0.302	2.85	-0.355	0	0	17.5	0	0	0	0	47.1	2.716	1.848
J1287	5.21	13.13	1279.34	4/13/2017 15:03	13.13	60.65	10016.6	0.691	1160	0.155	0	0	48.87	0	0	0	0	456.3	23.87	21.952
J1289	0.08	0.35	1311.37	4/13/2017 12:00	0.35	47.6	60.73	0.694	1.02	-0.981	0	0	9.65	0	0	0	0	23.66	3.343	2.567
J1291	2.92	9.02	1272.52	4/13/2017 15:07	9.02	14.25	10006.63	0.162	1170	0.072	0	0	45.98	0	0	0	0	594.66	33.302	16.827
J1293	0.04	0.25	1314.25	4/13/2017 12:02	0.25	11.89	19.16	0.167	0.311	-3.233	0	0	9.75	0	0	0	0	7.06	0.861	2.714
J1295	0.1	0.45	1290.13	4/13/2017 12:27	0.45	12.31	54.03	0.224	3.4	-0.131	0	0	18.55	0	0	0	0	56.32	4.431	0.959
J1297	1.03	4.72	1278.72	4/13/2017 13:52	4.72	26.92	2441.81	0.244	161	-0.006	0	0	13.28	0	0	0	0	628.7	25.017	3.884
J1299	0.14	0.56	1283.56	4/13/2017 12:07	0.56	18.53	62.8	0.212	3.62	-0.397	0	0	24.44	0	0	0	0	68.95	5.012	0.911
J13	0.08	0.63	1376.71	4/13/2017 12:00	0.63	22.26	63.11	0.275	1.25	-1.357	0	0	16.37	0	0	0	0	19.07	3.526	3.309
J1301	0.89	3.25	1268.31	4/13/2017 12:32	3.25	37.08	491.7	0.5	30.3	-0.036	0	0	21.75	0	0	0	0	1666.89	37.553	0.295
J1305	0.14	0.92	1298.92	4/13/2017 12:02	0.92	36.9	91.82	0.47	1.67	-0.309	0	0	17.08	0	0	0	0	36.12	5.958	2.542
J1307	0.11	0.75	1295.56	4/13/2017 12:00	0.75	17.54	96.08	0.238	1.91	-0.248	0	0	25.25	0	0	0	0	40.66	6.974	2.363
J1309	0.06	0.47	1314.09	4/13/2017 12:01	0.47	14.11	40.65	0.176	0.587	-1.269	0	0	20.53	0	0	0	0	13.41	0	3.031
J131	0.08	0.36	1266.21	4/13/2017 12:00	0.36	30.17	31.48	0.523	1.97	-0.453	0	0	22.64	0	0	0	0	34.94	0.603	0.901
J1316	1.11	4.68	1277.71	4/13/2017 13:53	4.68	11.52	2440.91	0.098	161	-0.008	0	0	15.32	0	0	0	0	633.8	25.017	3.851
J1318	0.02	0.35	1317.86	4/13/2017 12:01	0.35	8.18	28.42	0.118	0.403	-1.848	0	0	20.65	0	0	0	0	9.44	0	3.011
J1324	0.89	3.61	1303.63	4/13/2017 12:50	3.61	0	96.17	0	4.44	-1.03	0	0	15.39	0	0	0	0	77.13	4.449	1.247
J133	0.06	0.54	1297.24	4/13/2017 12:08	0.54	0	64.7	0	1.42	-0.394	0	0	23.46	0	0	0	0	25.09	1.179	2.579
J1330	0.26	2.63	1303.63	4/13/2017 12:49	2.63	0	107.57	0	4.44	0.066	0	0	15.37	0	0	0	0	77.13	4.449	1.395
J1332	0.07	0.67	1290.29	4/13/2017 12:00	0.67	13.98	105.55	0.131	2.05	-0.177	0	0	33.33	0	0	0	0	43.69	7.472	2.416
J1334	0.06	0.61	1287.72	4/13/2017 12:01	0.61	0	105.13	0	2.05	-0.169	0	0	33.39	0	0	0	0	43.69	7.472	2.406
J1336	0.01	0.29	1326.68	4/13/2017 12:00	0.29	21.11	21.11	0.282	0.282	-0.99	0	0	17.71	0	0	0	0	7.22	0	2.924
J1344	3.3	9.13	1271.17	4/13/2017 15:09	9.13	9.21	10003.98	0.068	1160	0.069	0	0	34.87	0	0	0	0	610.86	34.495	16.377
J1346	0.02	0.42	1290.05	4/13/2017 12:00	0.42	32.83	32.83	0.393	0.393	-2.28	0	0	16.58	0	0	0	0	8.77	0.128	3.743
J135	0.04	0.4	1295.89	4/13/2017 12:13	0.4	0	115.49	0	2.38	-2.159	0	0	29.6	0	0	0	0	81.12	2.737	1.424
J1350	3.41	9.19	1271.92	4/13/2017 15:08	9.19	40.58	10005.59	0.514	1170	0.068	0	0	37.81	0	0	0	0	606.05	34.471	16.51
J1354	0.23	1	1286	4/13/2017 12:00	1	40.89	140.51	0.436	2.49	-0.236	0	0	33	0	0	0	0	56.35	9.165	2.494
J1358	0.02	0.4	1312.4	4/13/2017 12:00	0.4	17.36	56.92	0.255	0.85	-0.324	0	0	21.6	0	0	0	0	18.21	0	3.126
J1362	0.04	0.22	1286.05	4/13/2017 12:00	0.22	8.94	8.94	0.147	0.147	-1.268	0	0	17.78	0	0	0	0	4.06	0.822	2.202
J1364	0.11	0.5	1277.5	4/13/2017 12:15	0.5	6.75	59.89	0.052	3.68	-0.669	0	0	24.5	0	0	0	0	71.37	5.124	0.839
J1369	0.03	0.32	1282.32	4/13/2017 12:01	0.32	22.33	51.22	0.38	0.867	-0.7	0	0	12.68	0	0	0	0	15.58	0.518	3.288
J137	0.03	0.38	1303.38	4/13/2017 12:00	0.38	18.98	18.98	0.342	0.342	-0.429	0	0	10.62	0	0	0	0	5.75	0.476	3.301
J1371	1.65	8.88	1275.88	4/13/2017 13:56	8.88	27.59	2440.5	0.248	161	-0.008	0	0	13.12	0	0	0	0	643.06	25.39	3.795
J1377	0.06	0.54	1292.54	4/13/2017 12:00	0.54	32.65	32.65	0.454	0.454	-1.296	0	0	26.46	0	0	0	0	16.58	2.221	1.969
J1379	0.12	1.03	1284.03	4/13/2017 12:00	1.02	0	138.32	0	2.5	-0.18	0	0	34.97	0	0	0	0	56.35	9.165	2.455
J138	0.12	0.72	1265.96	4/13/2017 12:19	0.72	0	41.75	0	1.23	-1.605	0	0	33.28	0	0	0	0	42.37	4.096	0.985
J1385	0.07	0.43	1302.18	4/13/2017 12:00	0.43	41.82	102.56	0.628	1.68	-0.763	0	0	13.57	0	0	0	0	32.55	0.671	3.151
J1388	0.09	0.51	1270.43	4/13/2017 12:01	0.51	0	81.06	0	1.6	-0.176	0	0	16.49	0	0	0	0	28.25	1.341	2.869
J139	0.21	1.8	1270.59	4/13/2017 12:17	1.8	0	51.15	0	1.23	-0.228	0	0	12.2	0	0	0	0	42.37	4.096	1.207
J1390	0.05	0.86	1310.86	4/13/2017 12:01	0.86	12.37	68.37	0.183	1.03	-0.557	0	0	21.14	0	0	0	0	21.65	0	3.158
J1392	0.22	1.27	1295.8	4/13/2017 12:02	1.27	44.82	162.37	0.605	6.8	-0.179	0	0	15.73	0	0	0	0	123.33	7.042	1.317
J1394	0.04	0.5	1310	4/13/2017 12:02	0.5	0	67.78	0	1.04	-1.008	0	0	13.5	0	0	0	0	21.65	0	3.131
J1396	0.1	0.29	1301.29	4/13/2017 12:00	0.29	15.34	15.34	0.216	0.216	-1.349	0	0	16.71	0	0	0	0	4.5	1.125	3.409
J1398	0.06	0.48	1275.8	4/13/2017 12:01	0.47	38.91	84.98	0.714	1.59	-0.55	0	0	16.52	0	0	0	0	28.25	1.341	3.008
J14	0.27	2.68	1351.15	4/13/2017 12:11	2.68	17.25	41.98	0.207	0.541	0.305	0	0	10.32	0	0	0	0	15.54	1.258	2.701
J1403	0.05	0.49	1265.91	4/13/2017 12:03	0.49	18.18	96.82	0.33	1.93	-0.432	0	0	15.51	0	0	0	0	38.17	1.47	2.537
J1406	2.08	7.25	1269.24	4/13/2017 15:12	7.25	14.99	10002.32	0.109	1160	0.029	0	0	35.75	0	0	0	0	616.6	34.617	16.222
J141	0.17	0.82	1312.56	4/13/2017 12:01	0.82	15.43	89.81	0.211	1.87	-0.123	0	0	16.18	0	0	0	0	32.53	1.246	2.761
J1410	0.07	0.71	1268.71	4/13/2017 12:02	0.71	0	80.84	0	1.6	-0.185	0	0	15.29	0	0	0	0	28.25	1.341	2.862
J1415	1.71	9.55	1275.55	4/13/2017 13:57	9.55	0	2437.34	0	161	-0.006	0	0	12.45	0	0	0	0	643.06	25.39	3.79
J1420	0.44	1.84	1283.84	4/13/2017 12:18	1.84	25.77	168.61	0.313	8.35	-0.353	0	0	47.16	0	0	0	0	160.74	13.189	1.049
J1422	2.64	8.26	1269.26	4/13/2017 15:12	8.26	3.51	9996.9	0.02	1160	0.024	0	0	20.74	0	0	0	0	617.77	34.617	16.182
J1426	0.09	0.61	1280.61	4/13/2017 12:00	0.61	32.47	41.15	0.438	0.586	-11.417	0	0	23.39	0	0	0	0	16.81	3.111	2.448
J1428	0.04	0.33	1284.42	4/13/2017 12:00	0.33	16.1	16.1	0.234	0.234	-7.248	0	0	22.67	0	0	0	0	6.91	1.224	2.33
J143	0.15	1.23	1315.23	4/13/2017 12:09	1.23	20.93	35.15	0.345	0.776	-0.352	0	0	7.77	0	0	0	0	11.6	1.712	3.03
J1430	2.82	8.41	1270.7	4/13/2017 16:00	8.41	10.01	5232.64	0.101	525	0.01	0	0	22.59	0	0	0	0	544.64	41.247	9.608
J1432	0.02	0.24	1297.86	4/13/2017 12:00	0.24	12.07	12.07	0.138	0.138	-3.318	0	0	20.76	0	0	0	0	3.82	0.425	3.16

Junctions SWMM 5-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J1435	2.45	8.69	1268.69	4/13/2017 15:14	8.69	14.82	9981.56	0.098	1160	0.009	0	0	33.31	0	0	0	0	643.05	37.727	15.522
J1446	0.03	0.43	1269.51	4/13/2017 12:00	0.43	37.25	37.25	0.491	0.491	-0.495	0	0	32.57	0	0	0	0	13.54	1.54	2.751
J145	0.08	0.44	1312.44	4/13/2017 12:12	0.44	0	26.42	0	0.778	-0.336	0	0	8.56	0	0	0	0	11.6	1.712	2.278
J1452	2.86	9.95	1268.66	4/13/2017 15:14	9.95	10.53	9978.89	0.065	1160	0.03	0	0	32.05	0	0	0	0	647.82	37.727	15.404
J1454	1.51	5.6	1266.53	4/13/2017 14:00	5.6	20.7	2467.39	0.153	167	-0.064	0	0	27.4	0	0	0	0	766.97	33.04	3.217
J1463	2.58	9.24	1266.28	4/13/2017 16:05	9.24	19.18	5225.15	0.296	525	0.008	0	0	22.76	0	0	0	0	576.72	45.012	9.06
J1465	0.05	0.33	1292.33	4/13/2017 12:02	0.33	22.5	22.5	0.258	0.258	-5.512	0	0	23.67	0	0	0	0	10.55	1.001	2.133
J1467	3.13	10.6	1268.27	4/13/2017 15:14	10.6	0	9973.98	0	1160	0.094	0	0	21.4	0	0	0	0	647.82	37.727	15.396
J1469	0.02	0.19	1280.19	4/13/2017 12:03	0.19	24.46	27.83	0.166	0.724	-1.915	0	0	16.81	0	0	0	0	36.79	1.257	0.756
J147	0.11	0.92	1317.92	4/13/2017 12:02	0.92	0	21.47	0	0.426	-0.458	0	0	13.08	0	0	0	0	6.37	1.005	3.37
J1475	0.49	2.67	1286.67	4/13/2017 12:16	2.67	35.76	194.96	0.412	8.02	-0.217	0	0	17.33	0	0	0	0	152.87	11.746	1.275
J1478	5.1	13.1	1277.1	4/13/2017 15:57	13.1	10.72	5222.77	0.059	513	0.165	0	0	15.9	0	0	0	0	249.46	14.215	20.936
J148	0.06	0.45	1315.45	4/13/2017 12:06	0.45	0	17.97	0	0.428	-0.622	0	0	8.55	0	0	0	0	6.37	1.005	2.821
J1480	0.04	0.63	1271.67	4/13/2017 12:00	0.63	52.44	52.44	0.509	0.509	-0.23	0	0	13.37	0	0	0	0	24.1	1.565	2.176
J1482	0.02	0.13	1278.13	4/13/2017 12:13	0.13	7.85	23.26	0.049	0.788	-2.712	0	0	13.87	0	0	0	0	40.02	1.275	0.581
J1484	0.02	0.39	1283.47	4/13/2017 12:00	0.39	40.61	40.61	0.563	0.563	-0.952	0	0	11.61	0	0	0	0	10.48	0	3.875
J15	0.05	0.72	1355.72	4/13/2017 12:00	0.72	14.39	71.64	0.201	1.07	-0.232	0	0	42.28	0	0	0	0	16.18	2.052	4.428
J1500	0.05	0.72	1264.72	4/13/2017 12:01	0.72	27.81	62.5	0.318	0.811	-4.83	0	0	34.28	0	0	0	0	19.44	2.142	3.215
J1504	1.99	7.44	1266.44	4/13/2017 16:04	7.44	6.2	5225.54	0.056	525	0.009	0	0	24.56	0	0	0	0	567.79	43.503	9.203
J151	0.25	2.59	1308.59	4/13/2017 12:05	2.59	10.98	414.96	0.175	5.98	-0.103	0	0	35.41	0	0	0	0	166.62	14.97	2.49
J1510	0.07	0.38	1265.47	4/13/2017 12:03	0.38	24.84	24.84	0.316	0.316	-4.099	0	0	12.62	0	0	0	0	20.75	1.168	1.197
J152	0.14	2.07	1349.07	4/13/2017 12:18	2.07	0	70.67	0	0.878	-3.1	0	0	78.93	0	0	0	0	60.86	5.884	1.161
J1525	0.11	0.37	1282.01	4/13/2017 12:02	0.37	9.77	9.77	0.074	0.074	-13.432	0	0	13.63	0	0	0	0	6.55	0.054	1.492
J1527	0.02	0.25	1283.29	4/13/2017 12:00	0.25	15.96	30.43	0.225	0.501	-1.147	0	0	12.75	0	0	0	0	112.07	6.922	0.272
J1536	0.19	2.24	1266.26	4/13/2017 15:21	2.24	12.83	109.33	0.081	2.02	0.865	0	0	27.76	0	0	0	0	6.26	0	17.465
J1538	0	0.15	1281.15	4/13/2017 12:00	0.15	23.54	23.54	0.165	0.165	-1.286	0	0	21.85	0	0	0	0	11.94	0.124	1.972
J1542	2.95	9.63	1264.63	4/13/2017 16:05	9.63	10.33	5225.66	0.113	526	0.007	0	0	22.37	0	0	0	0	638.61	50.638	8.183
J1544	0.04	0.46	1279.46	4/13/2017 12:03	0.46	29.6	54.81	0.45	0.97	-1.655	0	0	13.54	0	0	0	0	120.28	7.093	0.456
J1551	0.03	0.27	1281.76	4/13/2017 12:02	0.27	0	30.06	0	0.507	-2.55	0	0	13.73	0	0	0	0	112.07	6.922	0.268
J1553	0.01	0.15	1267.57	4/13/2017 12:00	0.15	11.83	11.83	0.109	0.109	-0.6	0	0	9.85	0	0	0	0	7.33	0.247	1.614
J1560	0.02	0.38	1276.38	4/13/2017 12:02	0.38	14.22	85.09	0.15	1.11	-1.955	0	0	22.62	0	0	0	0	27.25	2.408	3.123
J1563	0.07	0.24	1266.61	4/13/2017 12:01	0.24	0	11.55	0	0.109	-7.566	0	0	16.76	0	0	0	0	7.33	0.247	1.576
J1567	2.57	9.69	1277.69	4/13/2017 15:56	9.69	25.2	5244.05	0.236	514	0.057	0	0	24.31	0	0	0	0	218.67	13.815	23.982
J157	0.13	1.63	1308.34	4/13/2017 12:00	1.63	0	73.05	0	0.978	-0.176	0	0	8.37	0	0	0	0	17.65	2.83	4.139
J1571	0.16	1.08	1273.08	4/13/2017 12:13	1.08	20.84	91.97	0.172	1.31	-5.115	0	0	17.92	0	0	0	0	33.96	2.599	2.708
J1573	0.03	0.37	1267.53	4/13/2017 12:00	0.37	0	46.66	0	0.761	-0.206	0	0	14.63	0	0	0	0	11.13	1.755	4.192
J158	0.2	2.77	1356.77	4/13/2017 12:00	2.77	0	85.38	0	1.19	0.03	0	0	29.23	0	0	0	0	19.6	1.215	4.356
J1584	0.07	0.47	1269.94	4/13/2017 12:00	0.47	46.85	46.85	0.76	0.76	-0.129	0	0	12.53	0	0	0	0	11.13	1.755	4.209
J1586	2.2	8.25	1283.27	4/13/2017 15:45	8.25	0	5266.88	0	509	0.032	0	0	15.75	0	0	0	0	83.18	0.991	63.319
J1588	0.01	0.2	1260.2	4/13/2017 12:00	0.2	30.12	30.12	0.412	0.412	-0.679	0	0	8.8	0	0	0	0	15.44	0.684	1.951
J159	0.08	1.08	1352.28	4/13/2017 12:00	1.08	0	85.07	0	1.19	-0.057	0	0	11.92	0	0	0	0	19.6	1.215	4.34
J1590	0.07	0.66	1280.02	4/13/2017 12:00	0.66	29.66	73.39	0.382	0.953	-0.91	0	0	22.34	0	0	0	0	23	2.1	3.191
J1593	3	10.53	1282.53	4/13/2017 15:48	10.53	15.43	5264.72	0.091	509	0.049	0	0	13.47	0	0	0	0	90.61	1.033	58.103
J1597	0.12	0.48	1272.1	4/13/2017 12:12	0.48	41.51	84.78	0.609	1.6	-6.279	0	0	23.52	0	0	0	0	132.63	8.743	0.639
J16	0.22	1.75	1264.75	4/13/2017 12:10	1.75	0	168.78	0	5.45	-0.156	0	0	13.25	0	0	0	0	111.87	12.188	1.509
J1601	0.03	0.43	1265.45	4/13/2017 12:00	0.43	20.83	67.07	0.316	1.08	-0.171	0	0	14.57	0	0	0	0	16.43	2.104	4.082
J1609	2	7.81	1278.31	4/13/2017 15:54	7.81	10.63	5250.64	0.078	514	0.041	0	0	33.19	0	0	0	0	210.63	13.23	24.928
J161	0.05	0.51	1338.01	4/13/2017 12:03	0.51	0	60.37	0	1.18	-0.152	0	0	16.49	0	0	0	0	17.86	1.982	3.38
J1613	0.07	0.48	1254.57	4/13/2017 14:09	0.48	20.65	20.65	0.209	0.221	-0.713	0	0	34.52	0	0	0	0	7.94	0.401	2.601
J1615	0.05	0.5	1285.5	4/13/2017 12:14	0.5	1.89	57.24	0.009	1.35	-0.488	0	0	20.5	0	0	0	0	51.82	0.59	1.105
J1617	0.2	1.67	1269.67	4/13/2017 12:05	1.67	0	199.81	0	3.23	-2.573	0	0	29.33	0	0	0	0	97.32	10.094	2.053
J1619	0.04	0.45	1264.45	4/13/2017 12:00	0.45	10.88	77.51	0.152	1.23	-0.436	0	0	21.55	0	0	0	0	19.23	2.117	4.031
J162	0.3	4.61	1379.61	4/13/2017 12:01	4.6	25.83	152.69	0.315	1.98	-0.102	0	0	17.39	0	0	0	0	32.49	4.147	4.7
J1623	0.78	1.15	1256.25	4/13/2017 13:55	1.15	15.71	115.92	0.207	1.86	7.544	0	0	13.85	0	0	0	0	50.69	2.464	2.287
J1625	0.11	1.19	1287.19	4/13/2017 12:14	1.19	5.55	58.05	0.043	1.33	-0.482	0	0	11.81	0	0	0	0	51.21	0.59	1.134
J1627	0.63	1	1256.25	4/13/2017 13:56	1	34.41	134.91	0.382	1.93	16.201	0	0	17	0	0	0	0	45.05	2.152	2.995
J1629	0.02	0.4	1291.92	4/13/2017 12:00	0.4	24.26	45.58	0.267	0.568	-0.61	0	0	20.6	0	0	0	0	13.65	1.045	3.339
J1633	0.08	0.37	1269.94	4/13/2017 12:00	0.36	13.98	13.98	0.2	0.2	-1.244	0	0	11.63	0	0	0	0	7.99	0.939	1.75
J1635	2.83	9.01	1279.95	4/13/2017 15:52	9.01	19.53	5253.03	0.221	514	0.049	0	0	31.99	0	0	0	0	203.97	13.184	25.754
J1637	0.08	0.4	1265.73	4/13/2017 12:01	0.4	7.13	18.02	0.145	0.348	-1.451	0	0	11.6	0	0	0	0	13.84	1.938	1.302

Junctions SWMM 5-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J1643	0.07	0.77	1288.77	4/13/2017 12:12	0.77	5.76	57.19	0.052	1.27	-1.458	0	0	9.23	0	0	0	0	46.86	0.59	1.22
J1645	0.11	0.43	1306.43	4/13/2017 12:00	0.43	25.27	25.27	0.301	0.301	-0.111	0	0	15.57	0	0	0	0	9.3	0.517	2.717
J1647	0.03	0.34	1260.64	4/13/2017 12:00	0.34	42.15	96.97	0.525	1.36	-0.256	0	0	26.66	0	0	0	0	24.9	1.641	3.894
J1649	0.07	0.19	1253.87	4/13/2017 12:00	0.19	8.92	12.52	0.133	1.53	-0.011	0	0	14.81	0	0	0	0	66.22	4.176	0.189
J1653	0.26	1.44	1254.44	4/13/2017 12:07	1.44	34.3	155.42	0.53	4.04	-0.915	0	0	30.56	0	0	0	0	182.96	13.215	0.849
J1660	0.09	0.54	1257.04	4/13/2017 12:01	0.54	13.29	109.18	0.108	1.48	-4.435	0	0	26.46	0	0	0	0	28.37	1.711	3.848
J1662	3.45	10.65	1262.65	4/13/2017 15:48	10.65	17.11	5230.4	0.135	530	0.107	0	0	16.35	0	0	0	0	716.68	57.976	7.298
J1664	0.09	0.57	1289.65	4/13/2017 12:00	0.57	0	100.42	0	1.62	-0.04	0	0	10.43	0	0	0	0	29.92	3.863	3.356
J1669	0.01	0.1	1265.12	4/13/2017 11:55	0.1	3	3	0.062	0.062	-2.74	0	0	117.9	0	0	0	0	684.31	38.899	0.004
J1673	1.21	4.49	1255.49	4/13/2017 14:09	4.49	12.97	2445.15	0.082	169	-0.007	0	0	19.51	0	0	0	0	813.9	36.192	3.004
J1675	0.05	0.32	1260.02	4/13/2017 12:14	0.32	0	34.5	0	0.878	-1.8	0	0	14.68	0	0	0	0	62	3.587	0.556
J1677	0.03	0.23	1263.87	4/13/2017 12:09	0.23	1.25	14.61	0.026	0.379	-1.518	0	0	10.77	0	0	0	0	21.67	2.118	0.674
J1679	0.05	1.04	1290.04	4/13/2017 12:00	1.04	35.05	35.05	0.345	0.345	-0.985	0	0	8.96	0	0	0	0	18.65	0.003	1.879
J1681	0.03	0.39	1296.75	4/13/2017 12:00	0.39	8.94	24.33	0.115	0.299	-1.017	0	0	18.61	0	0	0	0	7.85	0.79	3.099
J1683	0.1	0.84	1276.84	4/13/2017 12:02	0.84	31.38	202.73	0.35	3.2	-0.943	0	0	30.16	0	0	0	0	60.86	7.224	3.331
J1687	0.14	0.39	1258.48	4/13/2017 12:16	0.39	0.02	33.58	0	0.894	-3.005	0	0	20.61	0	0	0	0	64.28	3.59	0.522
J1691	0.05	0.4	1290.03	4/13/2017 12:00	0.4	22.52	22.52	0.321	0.321	-0.068	0	0	9.6	0	0	0	0	7.6	1.175	2.963
J1693	0.1	0.21	1251.21	4/13/2017 12:01	0.21	0.04	12.37	0.001	1.53	-0.535	0	0	25.79	0	0	0	0	70.19	4.182	0.176
J1697	1.4	5.72	1253.72	4/13/2017 14:12	5.72	0	2440.92	0	170	-0.014	0	0	21.28	0	0	0	0	890.28	40.185	2.742
J1699	0.87	1.25	1256.25	4/13/2017 13:54	1.25	8.45	107.04	0.134	1.87	22	0	0	13.75	0	0	0	0	55.76	3.131	1.92
J17	0.17	0.73	1296.28	4/13/2017 12:00	0.73	30.94	191.4	0.462	2.78	-0.096	0	0	14.27	0	0	0	0	59.17	10.144	3.235
J1701	0.05	0.46	1288.64	4/13/2017 12:00	0.46	0	22.38	0	0.322	-0.203	0	0	10.54	0	0	0	0	7.6	1.175	2.945
J1704	0.1	0.52	1294.83	4/13/2017 12:13	0.52	3.47	48.21	0.027	0.785	-0.917	0	0	14.48	0	0	0	0	22.56	0.587	2.137
J1707	0.07	0.54	1300.54	4/13/2017 12:00	0.54	63.09	63.09	1.01	1.01	-0.533	0	0	22.46	0	0	0	0	17.94	2.482	3.517
J1711	1.43	5.13	1252.13	4/13/2017 14:13	5.13	0	2440.81	0	170	-0.055	0	0	23.87	0	0	0	0	890.28	40.185	2.742
J1713	0.04	0.38	1295.84	4/13/2017 12:00	0.38	38.97	38.97	0.62	0.62	-0.313	0	0	17.62	0	0	0	0	10.6	1.475	3.676
J1719	0.11	0.42	1263.42	4/13/2017 12:00	0.42	15.41	17.78	0.321	0.389	-27.669	0	0	26.58	0	0	0	0	693.14	41.121	0.026
J1721	0.06	0.59	1307.59	4/13/2017 12:00	0.59	53.83	97.93	0.679	1.27	-0.385	0	0	18.41	0	0	0	0	22.9	3.016	4.276
J1729	0.07	0.62	1290.38	4/13/2017 12:00	0.62	42.78	103.15	0.6	1.61	-0.34	0	0	22.38	0	0	0	0	29.92	3.863	3.448
J1735	0.05	0.78	1303.78	4/13/2017 12:00	0.78	26.77	26.77	0.302	0.302	-0.524	0	0	11.22	0	0	0	0	7.48	0.476	3.579
J1745	0.03	0.25	1302.25	4/13/2017 12:00	0.25	11.08	56.38	0.135	1.98	-0.425	0	0	12.75	0	0	0	0	36.08	4.249	1.563
J1758	0.05	0.48	1309.48	4/13/2017 11:55	0.48	44.41	44.41	0.595	0.595	-0.054	0	0	16.52	0	0	0	0	10.39	1.458	4.274
J1763	4.6	12.19	1249.69	4/13/2017 15:59	12.19	0.2	14989.81	0.004	1900	0.129	0	0	22.81	0	0	0	0	3478.99	268.957	4.309
J1770	0.05	0.45	1309.48	4/13/2017 12:02	0.45	37.07	51.35	0.53	0.723	-4.58	0	0	14.55	0	0	0	0	21.65	0.587	2.372
J1776	3.14	9.28	1259.19	4/13/2017 15:47	9.2	26.97	14601.8	0.393	1690	0.081	0	0	46.72	0	0	0	0	1458.2	102.249	10.014
J1780	0.38	3.06	1315.06	4/13/2017 12:26	3.06	19.18	79.37	0.226	1.53	-0.024	0	0	12.94	0	0	0	0	25.46	3.457	3.117
J1786	0.03	0.4	1307.69	4/13/2017 12:01	0.4	0	26.8	0	0.388	-1.539	0	0	15.6	0	0	0	0	9.74	0.628	2.752
J1793	0.06	0.45	1322.45	4/13/2017 12:00	0.45	39.54	61.71	0.531	1.28	-1.83	0	0	20.55	0	0	0	0	20.51	2.817	3.009
J1795	0.01	0.18	1313.71	4/13/2017 12:00	0.18	14.61	14.61	0.193	0.193	-0.484	0	0	14.82	0	0	0	0	5.06	0.36	2.887
J1797	0.03	0.29	1314.92	4/13/2017 12:00	0.29	27.69	27.69	0.384	0.384	-0.927	0	0	15.71	0	0	0	0	9.74	0.628	2.843
J18	0.15	0.98	1257.97	4/13/2017 12:11	0.98	0	168.29	0	5.45	-0.356	0	0	29.02	0	0	0	0	111.87	12.188	1.504
J1806	0.07	0.49	1292.83	4/13/2017 12:06	0.49	0	32.25	0	0.579	-6.607	0	0	30.51	0	0	0	0	16.41	2.581	1.965
J1815	0.1	0.92	1265.11	4/13/2017 12:09	0.91	27.88	169.06	0.308	5.44	-0.186	0	0	21.08	0	0	0	0	111.87	12.188	1.511
J1817	0.08	0.62	1344.15	4/13/2017 11:55	0.62	55.93	55.93	0.744	0.744	-2.139	0	0	20.38	0	0	0	0	10.81	1.784	5.174
J1819	0.13	1.19	1271.97	4/13/2017 12:02	1.19	36.22	126.77	0.428	1.93	-0.941	0	0	22.81	0	0	0	0	50.9	4.137	2.491
J1824	0.05	0.54	1344.54	4/13/2017 12:00	0.54	45.56	45.56	0.632	0.632	-1.078	0	0	22.46	0	0	0	0	11.64	1.097	3.914
J1829	0.06	0.72	1267.02	4/13/2017 12:01	0.72	53.04	348.92	0.859	5.26	-0.268	0	0	14.28	0	0	0	0	104.32	17.075	3.345
J1831	0.02	0.28	1280.97	4/13/2017 12:00	0.28	25.46	25.46	0.36	0.36	-0.138	0	0	10.72	0	0	0	0	9.74	0.769	2.614
J1838	0.23	1.94	1278.94	4/13/2017 12:08	1.94	14.92	165.18	0.203	5.11	-0.229	0	0	17.06	0	0	0	0	105.77	10.988	1.562
J1840	0.12	1.07	1274.51	4/13/2017 12:09	1.07	0	164.53	0	5.12	-0.097	0	0	20.93	0	0	0	0	105.77	10.988	1.556
J1842	0.12	0.69	1280.69	4/13/2017 12:07	0.69	39.64	81.36	0.481	1.22	-0.179	0	0	14.31	0	0	0	0	42.37	4.096	1.92
J1844	0.08	0.57	1260.91	4/13/2017 11:57	0.57	46.26	102.28	0.608	1.38	-1.677	0	0	33.43	0	0	0	0	21.53	2.292	4.751
J1846	0.12	1.08	1300.47	4/13/2017 12:00	1.08	102.08	102.08	1.5	1.5	-0.853	0	0	13.92	0	0	0	0	23.58	2.384	4.329
J1848	0.06	0.5	1288.33	4/13/2017 12:00	0.5	33.61	33.61	0.515	0.515	-0.156	0	0	19.5	0	0	0	0	8.11	0.85	4.144
J1850	0.05	0.64	1278.67	4/13/2017 12:00	0.64	16.8	107.41	0.182	1.72	-1.525	0	0	19.36	0	0	0	0	24.92	4.049	4.31
J1852	1.23	3	1279	4/13/2017 12:08	3	10.29	163.53	0.126	4.89	-0.363	0	0	16	0	0	0	0	102.76	10.589	1.591
J1855	0.17	0.7	1276.71	4/13/2017 12:01	0.7	12.76	305.25	0.19	4.39	-0.226	0	0	12.3	0	0	0	0	91.07	15.037	3.352
J1858	0.08	1.09	1267.74	4/13/2017 12:00	1.08	29.03	202.7	0.428	2.96	-1.004	0	0	30.91	0	0	0	0	46.02	4.611	4.405
J1860	0.2	1.19	1284.37	4/13/2017 12:05	1.19	20.88	162.64	0.301	4.48	-1.216	0	0	40.81	0	0	0	0	97.81	9.889	1.663
J1866	0.47	2.96	1260.96	4/13/2017 12:23	2.96	73.24	1068.03	1.07	38.3	-0.094	0	0	63.04	0	0	0	0	572.4	68.021	1.866

Junctions SWMM 5-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J1871	0.58	6.61	1268.61	4/13/2017 12:22	6.61	21.43	1206.54	0.279	37.2	0.042	0	0	27.39	0	0	0	0	557.95	64.942	2.162
J1873	0.22	3.01	1284.99	4/13/2017 12:00	3	49.86	179.56	0.643	2.52	-0.348	0	0	28.99	0	0	0	0	39.87	3.574	4.504
J1879	0.03	0.43	1282.1	4/13/2017 12:00	0.43	37.88	295.56	0.416	4.2	-0.106	0	0	13.57	0	0	0	0	88.08	14.287	3.356
J1881	0.73	3.78	1273.8	4/13/2017 12:12	3.78	54.01	1153.01	0.738	35.1	-0.344	0	0	30.22	0	0	0	0	528.49	60.574	2.182
J1883	0.18	1.14	1284.34	4/13/2017 12:05	1.14	14.62	159.22	0.202	4.74	-0.491	0	0	40.86	0	0	0	0	100.75	10.433	1.58
J1885	0.06	0.79	1298.92	4/13/2017 11:55	0.78	57.57	57.57	0.775	0.775	-0.204	0	0	30.21	0	0	0	0	12.05	1.231	4.778
J1887	0.2	2.3	1276.3	4/13/2017 12:02	2.3	17.42	327.9	0.199	7.02	-0.682	0	0	23.7	0	0	0	0	109.92	9.675	2.983
J1889	0.08	0.39	1294.39	4/13/2017 12:02	0.39	11.56	53.42	0.183	0.719	-3.245	0	0	14.61	0	0	0	0	20.78	2.51	2.571
J1891	0.03	0.55	1290.68	4/13/2017 12:00	0.55	46.19	66.84	0.532	0.778	-0.716	0	0	14.45	0	0	0	0	21.19	2.268	3.154
J1894	0.02	0.31	1278.33	4/13/2017 12:00	0.31	13.6	38.89	0.203	0.564	-0.262	0	0	10.69	0	0	0	0	14.89	1.42	2.612
J1896	0.1	1.19	1289.22	4/13/2017 12:00	1.19	43.93	136.97	0.531	1.87	-0.437	0	0	32.81	0	0	0	0	31.11	1.867	4.403
J1898	0.23	1.96	1302.96	4/13/2017 12:07	1.96	0	375	0	6.2	-2.139	0	0	53.04	0	0	0	0	120.91	18.56	3.101
J19	0.02	0.12	1264.12	4/13/2017 11:57	0.12	0	2.84	0	0.064	-5.953	0	0	14.88	0	0	0	0	684.31	38.899	0.004
J1900	0.14	2.09	1294.59	4/13/2017 12:00	2.09	40.5	340.16	0.5	4.94	-1.244	0	0	18.91	0	0	0	0	77.66	6.559	4.38
J1905	0.14	1.1	1317.12	4/13/2017 11:56	1.1	101.28	219.37	1.25	3.24	-0.341	0	0	26.9	0	0	0	0	50.13	4.88	4.376
J1907	0.05	0.47	1292.58	4/13/2017 12:01	0.47	20.15	146.65	0.221	4.17	-0.284	0	0	16.53	0	0	0	0	92.88	9.508	1.579
J1909	0.03	0.34	1304.34	4/13/2017 12:00	0.34	43.73	43.73	0.533	0.533	-0.686	0	0	12.66	0	0	0	0	17.09	1.741	2.559
J1911	0.07	1.16	1304.32	4/13/2017 12:00	1.16	28.77	98.26	0.378	1.34	-0.114	0	0	32.84	0	0	0	0	23.3	0.765	4.217
J1913	0.12	0.47	1306.47	4/13/2017 12:00	0.47	0	21.56	0	0.241	-1.809	0	0	18.53	0	0	0	0	7.59	0.806	2.841
J1915	0.15	1.29	1297.28	4/13/2017 12:11	1.29	0	116.99	0	3.67	-0.044	0	0	14.71	0	0	0	0	79.83	8.432	1.465
J1917	0.02	0.35	1307.87	4/13/2017 12:00	0.35	21.61	21.61	0.241	0.241	-0.078	0	0	18.65	0	0	0	0	7.59	0.806	2.847
J1920	0.36	1.53	1279.53	4/13/2017 12:09	1.53	18.29	372.02	0.268	9.1	-0.426	0	0	23.47	0	0	0	0	129.4	24.88	2.875
J1922	0.05	0.79	1311.02	4/13/2017 12:00	0.79	69.54	69.54	0.958	0.958	-0.017	0	0	22.21	0	0	0	0	16.81	0.518	4.137
J1926	0.12	1.42	1307.81	4/13/2017 11:57	1.42	18.6	233.68	0.2	3.45	-0.199	0	0	23.58	0	0	0	0	53.17	5.187	4.395
J1928	0.2	1.3	1295.3	4/13/2017 12:02	1.3	22.15	129.25	0.275	3.95	-0.08	0	0	15.7	0	0	0	0	87.56	9.323	1.476
J1932	0.11	0.83	1298.03	4/13/2017 11:55	0.82	68.85	68.85	1.05	1.05	-0.098	0	0	28.17	0	0	0	0	14.1	3.189	4.883
J1935	0.17	0.8	1298.8	4/13/2017 12:00	0.8	16.31	161.47	0.202	2.32	-0.162	0	0	13.2	0	0	0	0	50.38	8.883	3.205
J1939	0.03	0.45	1337.45	4/13/2017 11:55	0.44	43.85	77.99	0.506	1.39	-0.095	0	0	24.55	0	0	0	0	20.99	2.324	3.716
J1941	0.16	2.74	1302.24	4/13/2017 12:11	2.74	11.92	227.84	0.126	3.27	1.008	0	0	24.26	0	0	0	0	72.19	7.265	3.156
J1945	0.09	0.41	1331.66	4/13/2017 12:00	0.41	12.47	12.47	0.241	0.241	-0.17	0	0	21.59	0	0	0	0	3.79	0.497	3.29
J1947	0.01	0.24	1303.56	4/13/2017 12:00	0.24	47.24	47.24	0.531	0.531	-0.508	0	0	22.76	0	0	0	0	13.12	1.643	3.601
J1949	0.12	0.97	1307.25	4/13/2017 12:00	0.97	40.93	193.54	0.485	2.8	-1.576	0	0	15.03	0	0	0	0	62.03	6.97	3.12
J1953	0.04	0.5	1324.87	4/13/2017 12:04	0.5	0	98.88	0	1.44	-0.446	0	0	20.5	0	0	0	0	33.88	4.505	2.919
J1956	0.03	0.49	1347.79	4/13/2017 11:55	0.49	23.96	62	0.342	0.87	-0.43	0	0	26.51	0	0	0	0	13.01	1.687	4.766
J1962	0.01	0.18	1350.18	4/13/2017 11:55	0.18	38.25	38.25	0.528	0.528	-0.035	0	0	20.82	0	0	0	0	8.01	0.953	4.775
J1964	0.54	2.57	1285.15	4/13/2017 12:06	2.57	15.99	529.82	0.18	17.2	-0.195	0	0	27.43	0	0	0	0	264.48	23.894	2.003
J1966	0.07	0.46	1314.9	4/13/2017 12:00	0.46	26.35	26.35	0.297	0.297	-2.821	0	0	12.54	0	0	0	0	6.3	0.113	4.183
J1971	0.23	3.35	1283.63	4/13/2017 12:18	3.35	46.56	551.07	0.592	17.8	-0.052	0	0	26.65	0	0	0	0	273.04	25.157	2.018
J1974	0.09	0.56	1287.12	4/13/2017 11:56	0.56	0	67.36	0	1.05	-0.301	0	0	28.44	0	0	0	0	14.1	3.189	4.777
J1983	0.25	0.86	1319.86	4/13/2017 12:00	0.86	0	113.3	0	1.76	-0.702	0	0	46.14	0	0	0	0	41.06	4.202	2.759
J1985	0.14	1.15	1327.64	4/13/2017 12:03	1.15	16.8	110.35	0.203	1.41	-1.998	0	0	19.85	0	0	0	0	33.88	4.505	3.257
J1987	0.05	0.48	1336.19	4/13/2017 12:01	0.48	14.69	96.45	0.169	1.2	-0.934	0	0	22.52	0	0	0	0	27.47	3.808	3.511
J1989	0.19	1	1296.55	4/13/2017 12:07	1	19.44	343.93	0.247	7.56	-0.167	0	0	21	0	0	0	0	108.66	20.725	3.165
J1991	0.11	0.81	1314.07	4/13/2017 12:00	0.81	42.73	155.71	0.524	2.3	-0.591	0	0	46.19	0	0	0	0	52.61	5.548	2.96
J1993	0.04	0.42	1337.42	4/13/2017 12:00	0.42	0	83.27	0	1.03	-0.338	0	0	22.58	0	0	0	0	23.57	3.483	3.533
J1997	0.44	2.32	1301.34	4/13/2017 12:04	2.32	55.23	422.48	0.687	13.7	-0.21	0	0	35.68	0	0	0	0	215.1	18.123	1.964
J1999	0.07	0.66	1328.66	4/13/2017 12:00	0.66	0	83.01	0	1.36	-0.55	0	0	21.34	0	0	0	0	31.22	3.218	2.659
J2	0.04	0.33	1287.93	4/13/2017 12:00	0.33	39.79	51.95	0.415	1.36	-1.195	0	0	35.67	0	0	0	0	29.2	2.31	1.779
J20	0.09	0.66	1304.41	4/13/2017 12:00	0.66	21.6	129.38	0.309	1.88	-0.085	0	0	11.34	0	0	0	0	39	7.166	3.317
J2001	0.13	1.23	1336.23	4/13/2017 12:01	1.23	42.13	258.66	0.593	3.4	-0.574	0	0	13.77	0	0	0	0	68.68	9.227	3.766
J2003	0.06	0.74	1303	4/13/2017 12:01	0.74	23.28	359.35	0.307	7.27	-0.166	0	0	32.26	0	0	0	0	104.93	20.288	3.425
J2005	0.02	0.33	1344.4	4/13/2017 12:00	0.33	16.89	16.89	0.184	0.184	-0.166	0	0	14.67	0	0	0	0	5.49	0.545	3.077
J2011	0.08	0.68	1324.8	4/13/2017 12:00	0.68	30.65	113.51	0.394	1.76	-0.226	0	0	21.32	0	0	0	0	41.06	4.202	2.764
J2016	0.03	0.34	1351.82	4/13/2017 12:00	0.34	10.25	68.5	0.142	0.821	-0.871	0	0	28.66	0	0	0	0	18.08	2.938	3.789
J2018	0.03	0.39	1331.93	4/13/2017 11:55	0.39	56.48	118.71	0.802	1.68	-0.232	0	0	19.61	0	0	0	0	23.42	5.734	5.069
J2020	0.11	0.8	1297.25	4/13/2017 12:00	0.8	92.68	92.68	1.44	1.44	-0.5	0	0	13.2	0	0	0	0	21.56	3.01	4.299
J2022	0.22	1.59	1309.6	4/13/2017 12:01	1.59	30.11	342.9	0.477	6.95	-0.096	0	0	30.41	0	0	0	0	100.39	19.68	3.416
J2024	0.02	0.23	1317.2	4/13/2017 11:55	0.23	54.33	54.33	0.742	0.742	-0.065	0	0	10.77	0	0	0	0	16.47	3.39	3.299
J2030	0.06	0.62	1338.19	4/13/2017 11:56	0.62	31.46	85.04	0.325	1.35	-0.559	0	0	107.38	0	0	0	0	31.22	3.218	2.724
J2032	0.04	0.45	1355.52	4/13/2017 12:00	0.45	29.73	58.69	0.31	0.672	-1.077	0	0	24.55	0	0	0	0	15.22	1.99	3.856

Junctions SWMM 5-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2034	0.03	0.31	1369.53	4/13/2017 11:55	0.31	31.09	31.09	0.359	0.359	-0.859	0	0	24.69	0	0	0	0	7.39	1.043	4.207
J2036	0.08	0.95	1351.83	4/13/2017 12:00	0.95	0	224.58	0	2.75	-0.59	0	0	39.05	0	0	0	0	58.76	7.319	3.822
J2043	0.05	0.68	1333.82	4/13/2017 11:55	0.68	36.87	36.87	0.53	0.53	-0.031	0	0	23.32	0	0	0	0	7.51	1.281	4.909
J2045	0.36	1.89	1304.97	4/13/2017 12:04	1.89	49.4	393.34	0.532	13	-0.203	0	0	36.11	0	0	0	0	204.41	17.113	1.924
J2047	0	0.11	1322.61	4/13/2017 0:00	0.1	0	0	0	0	-99.957	0	0	34.89	0	0	0	0	0	0	0
J2050	0.03	0.4	1347.44	4/13/2017 11:55	0.4	63.09	63.09	0.882	0.882	-0.055	0	0	19.6	0	0	0	0	12.58	2.988	5.015
J2053	0.08	0.5	1347.54	4/13/2017 12:16	0.5	0	17.22	0	0.539	-0.03	0	0	16.5	0	0	0	0	15.54	1.258	1.108
J2058	0.02	0.3	1342.42	4/13/2017 12:00	0.3	31.35	31.35	0.517	0.517	-0.04	0	0	17.7	0	0	0	0	8.6	0.676	3.645
J2060	0.05	0.48	1353.61	4/13/2017 12:00	0.48	25.58	25.58	0.325	0.325	-2.69	0	0	12.52	0	0	0	0	10.23	0.704	2.5
J2071	0.13	1.1	1332.96	4/13/2017 12:03	1.1	20.3	235.96	0.304	4.5	-0.236	0	0	28.9	0	0	0	0	67.53	11.548	3.494
J2076	0.06	0.57	1348.8	4/13/2017 12:00	0.57	39.16	87.52	0.605	1.44	-2.13	0	0	18.43	0	0	0	0	24.03	1.928	3.642
J2078	0.11	1.08	1361.08	4/13/2017 12:00	1.08	0	190.82	0	2.39	-0.152	0	0	22.92	0	0	0	0	50.69	6.821	3.764
J2080	0.04	0.57	1368.91	4/13/2017 12:00	0.57	0	190.83	0	2.38	-0.042	0	0	22.43	0	0	0	0	50.69	6.821	3.765
J2087	0.03	0.51	1383.02	4/13/2017 12:00	0.51	39.99	86.94	0.47	1.03	-0.646	0	0	18.49	0	0	0	0	22.85	2.809	3.805
J2089	0.03	1.35	1362.32	4/13/2017 12:05	1.34	46.76	63.12	0.62	0.64	-0.555	0	0	21.65	0	0	0	0	11.39	0.027	5.542
J2094	0.11	0.99	1340.99	4/13/2017 12:00	0.99	31.57	193.11	0.469	2.71	-0.283	0	0	27.01	0	0	0	0	42.83	7.169	4.509
J2096	0.05	0.76	1379.76	4/13/2017 11:56	0.76	13.62	95.08	0.215	1.07	-0.442	0	0	35.24	0	0	0	0	23.72	3.128	4.008
J2098	0.07	1.17	1362.32	4/13/2017 12:07	1.17	40	323.67	0.532	4.55	-0.513	0	0	20.83	0	0	0	0	74.84	7.158	4.325
J21	0.66	2.2	1275.2	4/13/2017 0:00	2.12	6.2	71.14	0.068	4.99	-0.241	0	0	31.15	0	0	0	0	90.66	5.859	0.785
J2101	0.08	0.63	1365.72	4/13/2017 12:00	0.63	49.15	49.15	0.836	0.836	-0.127	0	0	17.37	0	0	0	0	14.65	0.844	3.355
J2103	0.03	0.44	1388.44	4/13/2017 11:55	0.44	27.72	82.19	0.304	0.858	-0.239	0	0	21.56	0	0	0	0	20.27	2.205	4.055
J2110	0.02	0.42	1392.84	4/13/2017 11:55	0.42	0	55.02	0	0.553	-0.188	0	0	21.58	0	0	0	0	12.68	1.462	4.339
J2112	0.22	0.99	1330.72	4/13/2017 12:00	0.99	51.41	108.26	0.684	4.16	-0.285	0	0	20.01	0	0	0	0	66.59	4.628	1.626
J2114	0.03	0.38	1358.97	4/13/2017 12:00	0.38	27.64	27.64	0.425	0.425	-0.943	0	0	23.62	0	0	0	0	6.88	0.612	4.017
J2116	0.04	0.39	1398.53	4/13/2017 12:00	0.39	48.78	48.78	0.559	0.559	-0.268	0	0	15.61	0	0	0	0	13.76	1.45	3.545
J2121	0.22	1.03	1366.03	4/13/2017 12:00	1.03	17.58	285.25	0.237	4.01	-0.231	0	0	25.97	0	0	0	0	65.76	6.774	4.338
J2123	0.04	0.49	1346.49	4/13/2017 11:55	0.49	14.12	14.12	0.19	0.19	-0.416	0	0	26.51	0	0	0	0	2.87	0.718	4.92
J2125	0.04	0.75	1375.75	4/13/2017 12:00	0.75	35.25	194.68	0.418	2.52	-0.443	0	0	25.25	0	0	0	0	44.8	0.383	4.346
J2131	0.04	0.73	1332.3	4/13/2017 11:55	0.73	0	53.51	0	0.788	-0.095	0	0	24.27	0	0	0	0	12.95	0.935	4.132
J2134	0.04	0.65	1378.45	4/13/2017 12:00	0.65	15.77	161.15	0.213	2.09	-0.407	0	0	25.35	0	0	0	0	37.53	0.235	4.294
J2136	0.02	0.31	1405.05	4/13/2017 11:55	0.31	41.58	41.58	0.399	0.399	-0.129	0	0	17.69	0	0	0	0	9.63	0.915	4.318
J2140	0.03	0.35	1395.72	4/13/2017 11:55	0.35	14	55.26	0.152	0.552	-0.233	0	0	17.65	0	0	0	0	12.68	1.462	4.358
J2153	0.03	0.57	1388.58	4/13/2017 12:00	0.57	13.79	146.02	0.18	1.87	-0.301	0	0	25.43	0	0	0	0	33.64	0.205	4.341
J2158	0.15	0.57	1340.42	4/13/2017 12:05	0.57	15.95	188.46	0.229	4.11	-0.466	0	0	16.43	0	0	0	0	64.57	6.26	2.919
J2160	3.03	3.17	1345.17	4/13/2017 12:00	3.17	28.91	57.94	0.517	3.46	-0.174	0	0	14.83	0	0	0	0	55.08	4.06	1.052
J2162	0.06	0.87	1389.93	4/13/2017 12:00	0.87	32.37	132.6	0.417	1.69	-0.435	0	0	25.13	0	0	0	0	30.33	0.2	4.372
J2170	0.3	2.1	1369.04	4/13/2017 12:35	2.1	47.47	47.47	0.689	0.7	-0.366	0	0	6.9	0	0	0	0	11.35	0.809	4.182
J2174	0.2	2.83	1346.83	4/13/2017 12:04	2.83	10.78	183.13	0.164	3.88	-0.126	0	0	13.17	0	0	0	0	61.04	5.874	3
J2176	0.04	0.52	1378.53	4/13/2017 11:59	0.52	0	131.18	0	1.68	-0.414	0	0	19.48	0	0	0	0	29.05	2.632	4.516
J2183	0.11	0.64	1384.65	4/13/2017 11:56	0.64	48.25	131.06	0.559	1.67	-0.271	0	0	20.36	0	0	0	0	29.05	2.632	4.512
J2185	0.08	1.83	1346.83	4/13/2017 12:04	1.83	46.72	232.12	0.707	3.7	-0.341	0	0	20.17	0	0	0	0	58.47	5.596	3.97
J2197	0.06	0.68	1391.4	4/13/2017 12:00	0.68	31.52	86.35	0.33	1.11	-0.118	0	0	20.32	0	0	0	0	19.27	1.861	4.481
J22	1.02	1.34	1273.34	4/13/2017 0:01	1.34	0	106.77	0	5.01	-0.126	0	0	14.55	0	0	0	0	90.66	5.859	1.178
J2205	0.05	0.38	1366.64	4/13/2017 12:03	0.38	0	35.53	0	0.574	-0.065	0	0	11.62	0	0	0	0	9.61	0.626	3.697
J2207	0.03	0.42	1383.44	4/13/2017 12:00	0.42	23.4	95.34	0.321	1.38	-0.534	0	0	21.58	0	0	0	0	21.52	3.217	4.43
J2214	0.08	0.61	1356.12	4/13/2017 12:00	0.6	22.73	187.1	0.341	2.97	-1.017	0	0	21.39	0	0	0	0	47.05	4.597	3.977
J2216	0.04	0.44	1368.38	4/13/2017 12:00	0.44	35.5	35.5	0.567	0.567	-1.315	0	0	10.56	0	0	0	0	9.61	0.626	3.694
J2218	0.08	0.72	1388.23	4/13/2017 11:56	0.72	0	73.38	0	1.05	-0.439	0	0	28.28	0	0	0	0	15.96	2.793	4.598
J2220	0.04	1.01	1399.18	4/13/2017 12:00	1.01	42.83	100.82	0.517	1.27	-0.236	0	0	21.99	0	0	0	0	22.69	0.197	4.443
J2223	0.09	0.6	1358.22	4/13/2017 12:01	0.6	28.76	58.48	0.412	0.986	-1.62	0	0	16.4	0	0	0	0	16.78	0.9	3.485
J2227	0.04	0.62	1360.22	4/13/2017 12:00	0.62	50.41	164.73	0.614	2.62	-0.121	0	0	20.38	0	0	0	0	41.11	4.341	4.007
J2229	0.07	0.64	1395.09	4/13/2017 11:55	0.64	0	74.47	0	1.05	-0.35	0	0	31.36	0	0	0	0	15.96	2.793	4.666
J2235	0.1	0.76	1361.76	4/13/2017 12:00	0.76	0	118.71	0	2	-0.198	0	0	20.24	0	0	0	0	31.55	3.457	3.763
J2237	0.25	4.25	1386.86	4/13/2017 11:55	4.25	48.34	48.34	0.585	0.585	-0.016	0	0	6.75	0	0	0	0	9.01	1.501	5.365
J2243	0.08	0.42	1400.2	4/13/2017 12:00	0.42	55.97	55.97	0.784	0.784	-0.12	0	0	14.58	0	0	0	0	13.07	1.708	4.282
J2246	0.09	0.59	1365.6	4/13/2017 12:00	0.59	23.03	119.04	0.246	2	-0.209	0	0	25.41	0	0	0	0	31.55	3.457	3.773
J2250	0.04	0.47	1400.28	4/13/2017 11:55	0.47	75.14	75.14	1.05	1.05	-0.056	0	0	31.53	0	0	0	0	15.96	2.793	4.708
J2252	0.03	0.56	1401.75	4/13/2017 12:00	0.56	58.06	58.06	0.749	0.749	-0.082	0	0	18.44	0	0	0	0	13.47	0.139	4.31
J2269	0.03	0.31	1371.96	4/13/2017 12:00	0.31	30.02	30.02	0.446	0.446	-0.843	0	0	21.69	0	0	0	0	7.23	0.606	4.152
J2272	0.03	0.37	1356.94	4/13/2017 12:00	0.37	14.42	43.94	0.214	0.664	-2.394	0	0	21.63	0	0	0	0	10.66	0.917	4.122

Junctions SWMM 5-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2274	0.05	0.63	1368.7	4/13/2017 12:00	0.63	18.47	100.13	0.25	1.75	-0.161	0	0	25.37	0	0	0	0	27.67	3.165	3.619
J2290	0.06	0.48	1372.48	4/13/2017 12:00	0.48	51.85	82.86	0.754	1.5	-0.292	0	0	23.52	0	0	0	0	23.89	2.712	3.468
J23	0.4	2.38	1293.38	4/13/2017 12:29	2.38	22.13	86.54	0.307	3.17	-0.167	0	0	16.62	0	0	0	0	51.58	3.371	1.678
J24	0.09	0.67	1302.52	4/13/2017 12:00	0.67	17.89	146.43	0.236	2.11	-0.115	0	0	12.33	0	0	0	0	45.45	7.996	3.222
J25	0.15	0.62	1288.96	4/13/2017 12:32	0.62	0	130.71	0	3.46	-3.572	0	0	29.38	0	0	0	0	96.94	3.681	1.348
J26	1.44	3.13	1305.81	4/13/2017 13:54	3.13	0	257.38	0	16	7.704	0	0	6.87	0	0	0	0	1333.52	27.051	0.193
J2692	1.76	3.36	1340.53	4/13/2017 12:03	3.36	40.41	253.41	0.518	3.67	-0.77	0	0	29.64	0	0	0	0	56.42	9.439	4.491
J2693	0.03	0.42	1322.98	4/13/2017 12:05	0.42	0	132.16	0	2.19	-1.85	0	0	11.58	0	0	0	0	44.22	0.646	2.989
J2694	0.14	2.55	1296.55	4/13/2017 12:06	2.55	17.25	107.78	0.2	1.64	0.326	0	0	17.45	0	0	0	0	24.44	3.427	4.41
J2696	0.09	0.77	1324.77	4/13/2017 11:55	0.77	32.71	121.4	0.349	1.98	-0.456	0	0	27.23	0	0	0	0	30.41	3.152	3.992
J2698	0.06	0.58	1287.58	4/13/2017 12:04	0.58	0	77.86	0	1.25	-0.631	0	0	10.42	0	0	0	0	22.11	1.432	3.521
J2699	0.09	0.91	1272.91	4/13/2017 12:00	0.91	56.4	56.4	0.832	0.832	-0.724	0	0	23.09	0	0	0	0	13.23	1.247	4.263
J27	0.08	0.59	1307.56	4/13/2017 12:00	0.59	24.16	108.4	0.334	1.57	-0.103	0	0	12.41	0	0	0	0	32.26	6.458	3.36
J2705	0.22	1.4	1313.89	4/13/2017 12:02	1.4	17.93	322.03	0.247	6.48	-0.038	0	0	23.6	0	0	0	0	94.13	18.052	3.421
J2706	3.21	9.2	1271.5	4/13/2017 16:00	9.2	8.81	5233.02	0.048	525	0.031	0	0	32.8	0	0	0	0	541.36	40.84	9.666
J2707	0.36	1.55	1269.95	4/13/2017 12:31	1.55	22.01	485.67	0.176	29.8	-0.03	0	0	26.45	0	0	0	0	1656.15	37.249	0.293
J2712	1.86	6.59	1268.59	4/13/2017 13:59	6.59	0	2467.69	0	167	-0.016	0	0	26.41	0	0	0	0	757.82	32.815	3.256
J2714	0.05	0.42	1305.72	4/13/2017 12:07	0.42	0	29.39	0	1.06	-1.059	0	0	12.58	0	0	0	0	21.38	1.725	1.375
J2718	0.09	0.77	1294.77	4/13/2017 12:06	0.77	0	102.27	0	2.11	-0.879	0	0	13.23	0	0	0	0	43.7	2.65	2.34
J2720	0.09	0.53	1309.53	4/13/2017 12:02	0.53	0	64.91	0	1.19	-0.502	0	0	11.47	0	0	0	0	26.79	4.098	2.423
J2722	1.45	2	1277	4/13/2017 0:00	1.98	13.07	87.08	0.13	4.24	-13.948	0	0	28	0	0	0	0	88.12	5.594	0.988
J2723	0.23	0.61	1281.61	4/13/2017 12:22	0.61	18.51	37.75	0.123	0.482	-13.61	0	0	21.39	0	0	0	0	25.3	1.137	1.492
J2724	0.51	1.12	1294.12	4/13/2017 14:07	1.12	29.53	82.42	0.436	14.6	0.627	0	0	18.88	0	0	0	0	1355.07	28.491	0.061
J2726	0.05	0.23	1262.57	4/13/2017 12:04	0.23	5.81	15.58	0.04	0.424	-2.675	0	0	11.77	0	0	0	0	24.45	2.144	0.637
J2729	0.85	0.99	1345.17	4/13/2017 12:00	0.99	17.71	29.65	0.233	2.94	-0.252	0	0	17.01	0	0	0	0	46.97	3.062	0.631
J2732	2.11	6.89	1266.89	4/13/2017 16:04	6.89	28.05	5232.73	0.222	525	0.075	0	0	21.11	0	0	0	0	564.77	43.358	9.265
J2734	0.18	0.89	1307.54	4/13/2017 12:04	0.89	0	172.54	0	4.89	0.135	0	0	11.11	0	0	0	0	142.79	5.198	1.208
J2736	0.07	0.61	1326.61	4/13/2017 12:01	0.61	27.43	91.97	0.307	1.27	-2.07	0	0	18.39	0	0	0	0	29.05	0	3.166
J2737	0.07	0.47	1344.47	4/13/2017 11:55	0.47	44.43	54.66	0.483	1.02	-0.243	0	0	107.53	0	0	0	0	24.67	2.91	2.216
J2739	0.07	0.99	1292.37	4/13/2017 12:05	0.99	20.98	87.69	0.38	1.74	-0.654	0	0	17.01	0	0	0	0	32.17	0.809	2.726
J2740	0.1	0.77	1275.53	4/13/2017 12:04	0.77	49.75	88.26	0.791	1.36	-9.9	0	0	11.23	0	0	0	0	25.68	0.026	3.437
J2746	0.05	0.58	1342.58	4/13/2017 12:00	0.57	0	84.91	0	1.01	-1.359	0	0	28.42	0	0	0	0	23.57	3.483	3.602
J2748	0.03	0.22	1306.76	4/13/2017 12:08	0.22	4.28	26.67	0.037	0.344	-10.63	0	0	15.78	0	0	0	0	16.68	0.004	1.599
J2750	0.09	0.84	1287.92	4/13/2017 12:00	0.84	18.25	139.17	0.154	2.1	-0.392	0	0	19.16	0	0	0	0	41.92	5.06	3.32
J2751	0.6	1.35	1290.24	4/13/2017 12:59	1.35	33.53	52.69	0.527	0.956	-6.414	0	0	6.65	0	0	0	0	15.82	0.944	3.331
J2753	0.06	0.83	1321.88	4/13/2017 11:56	0.83	32.82	121.9	0.396	1.72	-0.827	0	0	24.17	0	0	0	0	26.27	2.992	4.64
J2754	0.05	0.78	1288.78	4/13/2017 12:00	0.78	0	120.14	0	1.58	-0.466	0	0	25.22	0	0	0	0	30.75	3.806	3.907
J2756	1.03	4.53	1283.53	4/13/2017 13:49	4.53	0	2442.41	0	160	-0.013	0	0	12.47	0	0	0	0	606.91	24.663	4.024
J2772	0.71	2.02	1305.81	4/13/2017 13:52	2.02	0	77.96	0	1.77	6.437	0	0	10.98	0	0	0	0	23.96	0.004	3.254
J2774	0.11	0.84	1286.84	4/13/2017 12:00	0.84	35.38	267.24	0.445	3.76	-0.409	0	0	22.16	0	0	0	0	79.29	13.518	3.37
J2776	0.09	1.17	1357.17	4/13/2017 12:00	1.17	35.88	224.79	0.357	2.75	-0.166	0	0	38.83	0	0	0	0	58.76	7.319	3.826
J2778	0.25	1.19	1299.19	4/13/2017 12:09	1.19	0	76.83	0	3.12	-1.403	0	0	14.81	0	0	0	0	58.73	6.107	1.308
J2779	0.19	1.55	1286	4/13/2017 12:08	1.55	15.79	376.17	0.185	8.8	-0.286	0	0	23.45	0	0	0	0	125.32	24.382	3.002
J2781	2.91	10.53	1277.53	4/13/2017 15:57	10.53	11.28	5232.55	0.069	514	0.106	0	0	16.47	0	0	0	0	238.05	14.105	21.981
J2789	1.18	6.48	1277.5	4/13/2017 15:04	6.48	17.32	230.96	0.177	7.08	-0.275	0	0	44.52	0	0	0	0	89.65	5.747	2.576
J2790	5.39	12.53	1275.53	4/13/2017 15:05	12.53	29.31	10011.67	0.313	1170	0.138	0	0	42.47	0	0	0	0	570.08	31.912	17.562
J2793	1.36	5.9	1294.92	4/13/2017 13:38	5.9	16.98	2452.6	0.118	158	-0.037	0	0	46.1	0	0	0	0	537.16	23.499	4.566
J2795	0.44	1.58	1293.67	4/13/2017 12:06	1.58	17.1	185.29	0.201	7.16	-1.231	0	0	14.42	0	0	0	0	133.47	8.332	1.388
J2796	0.11	0.47	1292.11	4/13/2017 12:20	0.47	0	88.92	0	1.92	-0.845	0	0	10.53	0	0	0	0	40.39	2.452	2.202
J2797	0.02	0.34	1289.12	4/13/2017 12:09	0.34	8.3	54.44	0.069	1.21	-0.714	0	0	11.66	0	0	0	0	44.15	0.59	1.233
J2798	0.07	0.61	1303.02	4/13/2017 12:00	0.61	29.48	67.57	0.329	2.26	-0.141	0	0	24.39	0	0	0	0	36	2.727	1.877
J28	0.17	1.07	1323.07	4/13/2017 12:18	1.07	0	128.74	0	1.99	-0.557	0	0	11.93	0	0	0	0	33.66	1.659	3.825
J2802	0.08	0.85	1358.82	4/13/2017 12:06	0.85	16.82	244.15	0.267	5.49	-0.086	0	0	23.15	0	0	0	0	89.02	8.429	2.743
J2803	0.05	0.52	1339.01	4/13/2017 11:55	0.52	25.75	53.75	0.27	0.787	-0.129	0	0	17.48	0	0	0	0	12.95	0.935	4.151
J2807	0.36	2.44	1350.57	4/13/2017 12:41	2.44	23.66	120.78	0.263	1.95	0.52	0	0	14.56	0	0	0	0	32.1	1.839	3.763
J2812	0.02	0.21	1292.75	4/13/2017 11:56	0.21	7.06	7.06	0.119	0.119	-1.678	0	0	13.79	0	0	0	0	2.24	0.032	3.152
J2817	0.29	2.48	1317.48	4/13/2017 12:05	2.48	0	259.16	0	7.41	-0.05	0	0	16.52	0	0	0	0	373.68	13.843	0.694
J2820	0.64	1.84	1305.84	4/13/2017 13:49	1.84	21.37	220.09	0.41	6.68	1.423	0	0	9.16	0	0	0	0	174.65	6.391	1.26
J2823	0.07	0.52	1310.52	4/13/2017 11:55	0.52	33.93	86.98	0.487	1.23	-0.195	0	0	12.48	0	0	0	0	25.44	5.286	3.419
J2829	0.31	3.23	1302.23	4/13/2017 12:10	3.23	26.51	128.17	0.423	3.66	-0.155	0	0	23.77	0	0	0	0	79.83	8.432	1.606

Junctions SWMM 5-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2831	0.18	1.1	1290.1	4/13/2017 12:06	1.1	0	184.7	0	7.57	-0.517	0	0	15.9	0	0	0	0	140.69	9.875	1.313
J2835	0.06	0.51	1276.6	4/13/2017 12:01	0.51	10.97	94.24	0.141	1.5	-0.488	0	0	13.49	0	0	0	0	38.77	3.874	2.431
J2842	1.05	4.46	1300.46	4/13/2017 13:40	4.46	12.73	2388.46	0.115	144	0.001	0	0	21.54	0	0	0	0	42.5	1.316	56.199
J2846	3.99	11.31	1253.56	4/13/2017 15:52	11.31	28.96	14352.67	0.518	1720	0.14	0	0	39.69	0	0	0	0	2232.33	191.465	6.429
J2851	0.1	1.29	1300.29	4/13/2017 11:58	1.29	70.75	301.48	0.971	4.43	-0.127	0	0	19.71	0	0	0	0	69.44	6.079	4.342
J2857	0.18	0.99	1307.24	4/13/2017 12:05	0.99	39.04	199.77	0.679	6	-0.308	0	0	11.01	0	0	0	0	163.2	6.011	1.224
J2860	0.07	0.96	1280.74	4/13/2017 12:03	0.96	28.75	318.86	0.353	6.81	-0.054	0	0	24.04	0	0	0	0	106.73	9.461	2.988
J2861	0.09	0.64	1312.16	4/13/2017 12:00	0.64	139.99	139.99	4.15	4.15	-0.198	0	0	11.36	0	0	0	0	128.98	5.198	1.085
J2864	3.02	9.07	1260.06	4/13/2017 15:45	9.07	67.68	14240.63	0.985	1690	0.067	0	0	56.93	0	0	0	0	1433.62	99.695	9.933
J2869	3.25	9.55	1264.4	4/13/2017 15:27	9.55	2.29	9915.63	0.039	1160	0.085	0	0	108.45	0	0	0	0	676.02	38.467	14.668
J2870	0.19	0.47	1301.48	4/13/2017 13:54	0.47	0	79.72	0	13.4	0.049	0	0	10.53	0	0	0	0	1333.52	27.051	0.06
J2878	0.09	0.82	1368.82	4/13/2017 12:00	0.82	47.24	270.65	0.671	3.74	-0.838	0	0	26.18	0	0	0	0	61.37	6.774	4.41
J2882	0.66	1.92	1287.14	4/13/2017 12:08	1.92	32.58	288.32	0.398	19.7	0.068	0	0	18.08	0	0	0	0	1456.34	32.095	0.198
J2885	0.07	0.77	1280.17	4/13/2017 12:01	0.77	21.06	176	0.294	2.84	-0.281	0	0	24.23	0	0	0	0	50.35	6.582	3.496
J2886	0.21	1.58	1304.58	4/13/2017 12:05	1.58	51.58	348.73	0.655	12.1	-0.34	0	0	23.42	0	0	0	0	448.01	19.458	0.778
J2887	2.33	8.24	1268.74	4/13/2017 15:14	8.24	0	9994.5	0	1160	0.05	0	0	20.76	0	0	0	0	634.58	37.727	15.75
J2891	0.42	3.37	1296.55	4/13/2017 12:05	3.37	0	489.44	0	15.7	-0.107	0	0	13.63	0	0	0	0	243.55	22.026	2.01
J2893	2.4	7.87	1282.62	4/13/2017 14:55	7.87	0	10010.92	0	1160	0.052	0	0	27.13	0	0	0	0	295.37	12.261	33.893
J2894	0.31	1.41	1307.54	4/13/2017 12:06	1.41	0	371.45	0	12.5	-0.119	0	0	34.59	0	0	0	0	195.8	16.616	1.897
J2898	0.09	0.65	1254.68	4/13/2017 12:04	0.65	10.07	134.54	0.095	3.48	-0.854	0	0	31.35	0	0	0	0	171.23	11.847	0.786
J2899	1.26	5.81	1289.93	4/13/2017 13:47	5.81	17.07	2457.69	0.139	159	0.075	0	0	46.19	0	0	0	0	561.59	23.502	4.376
J2900	0.02	0.23	1261.23	4/13/2017 12:11	0.23	9.84	38.76	0.101	0.866	-1.298	0	0	13.77	0	0	0	0	55.65	3.587	0.696
J2901	0.14	0.7	1302.7	4/13/2017 12:08	0.7	4.41	28.74	0.05	1.13	-0.85	0	0	12.3	0	0	0	0	22.65	1.858	1.269
J2902	0.55	1.74	1264.59	4/13/2017 12:36	1.74	41.07	659.84	0.495	41.3	-0.197	0	0	23.26	0	0	0	0	1907.07	47.333	0.346
J2905	0.07	0.85	1285.85	4/13/2017 12:00	0.85	17.44	184.63	0.174	4.58	-0.275	0	0	26.15	0	0	0	0	75.2	4.602	2.455
J2907	0.05	0.38	1284.38	4/13/2017 12:01	0.38	15.97	15.97	0.272	0.272	-1.36	0	0	10.62	0	0	0	0	108.49	6.603	0.147
J2913	3.35	10.27	1285.77	4/13/2017 14:53	10.27	48.91	10016.53	0.418	1160	0.077	0	0	36.73	0	0	0	0	263.32	9.948	38.039
J2915	2.31	8.19	1263.19	4/13/2017 14:06	8.19	0	2447.6	0	169	-0.039	0	0	21.81	0	0	0	0	802.92	36.077	3.048
J2917	0.12	0.84	1301.14	4/13/2017 12:04	0.84	0	134.4	0	6.2	-0.048	0	0	16.16	0	0	0	0	109.68	5.121	1.225
J2919	0.52	2.45	1274.45	4/13/2017 12:24	2.45	51.29	442.17	0.668	26.2	-0.018	0	0	28.55	0	0	0	0	1582.22	34.77	0.279
J2923	4.97	12.78	1255.78	4/13/2017 15:50	12.78	26.34	14916.87	0.485	1720	0.085	0	0	38.22	0	0	0	0	2181.01	185.82	6.839
J2924	0.57	4.28	1282.28	4/13/2017 15:48	4.28	6.04	195.5	0.03	6.34	-0.542	0	0	16.72	0	0	0	0	147.44	11.763	1.326
J2934	0.53	2.47	1279.97	4/13/2017 12:13	2.47	12.93	239.3	0.131	11	-0.448	0	0	46.53	0	0	0	0	221.24	22.866	1.082
J2936	2.92	8.86	1283.86	4/13/2017 14:54	8.86	17.35	10010.19	0.163	1160	0.034	0	0	37.14	0	0	0	0	266.17	9.951	37.608
J2937	3.11	9.9	1265	4/13/2017 16:06	9.9	14.02	5224.54	0.155	526	0.013	0	0	22.1	0	0	0	0	635.39	50.168	8.223
J2942	0.37	2.05	1279.05	4/13/2017 12:13	2.05	0	236.91	0	11.1	-0.154	0	0	36.95	0	0	0	0	221.24	22.866	1.071
J2945	3.7	10	1250	4/13/2017 15:59	10	0	14169.72	0	1730	0.049	0	0	25	0	0	0	0	2544.34	227.774	5.569
J2949	4.34	12.37	1247.37	4/13/2017 16:04	12.36	0.27	14913.97	0.006	1900	0.025	0	0	16.63	0	0	0	0	3582.93	274.53	4.163
J2952	0.28	0.55	1302.55	4/13/2017 13:54	0.55	0	79.72	0	13.4	0.011	0	0	10.45	0	0	0	0	1333.52	27.051	0.06
J2954	1.09	3.52	1279.9	4/13/2017 12:19	3.52	44.24	395.2	0.535	23.4	0.137	0	0	23.48	0	0	0	0	1527.47	32.968	0.259
J2956	2.54	8	1282.5	4/13/2017 14:55	8	0	10030.5	0	1170	0.104	0	0	36	0	0	0	0	396.01	21.079	25.329
J2959	0.26	2.31	1273.95	4/13/2017 12:12	2.31	20.85	1137.12	0.228	34.3	-0.039	0	0	25.69	0	0	0	0	516.37	59.748	2.202
J2960	1.01	5.2	1254.13	4/13/2017 14:11	5.2	0.01	2446.07	0	170	-0.008	0	0	20.8	0	0	0	0	890.28	40.185	2.748
J2962	0.67	1.84	1277.84	4/13/2017 12:16	1.84	0	254.85	0	11.9	-2.265	0	0	40.16	0	0	0	0	261.26	24.142	0.975
J2963	2.06	7.11	1251.11	4/13/2017 14:23	7.11	6.71	2442.28	0.139	171	-0.477	0	0	23.89	0	0	0	0	3151.85	232.619	0.775
J2965	3.65	10.8	1275.6	4/13/2017 15:05	10.8	23.57	10012.71	0.327	1170	0.046	0	0	51.2	0	0	0	0	562.76	31.826	17.792
J2966	0.07	0.32	1286.32	4/13/2017 12:35	0.32	22.96	83.19	0.456	4.75	-0.122	0	0	9.68	0	0	0	0	118.01	4.376	0.705
J2967	1.68	7.96	1271.91	4/13/2017 13:58	7.96	0	2467.8	0	166	-0.015	0	0	13.04	0	0	0	0	733.72	31.25	3.363
J2968	3.44	11.24	1282.28	4/13/2017 15:48	11.24	16.17	5258.13	0.167	515	0.069	0	0	22.76	0	0	0	0	199.02	12.688	26.42
J2971	2.97	9.02	1251.52	4/13/2017 15:52	9.02	76.38	14216.36	0.986	1730	0.132	0	0	37.98	0	0	0	0	2385.35	211.463	5.96
J2972	2.87	9.18	1284.43	4/13/2017 14:53	9.18	0	10011.13	0	1160	0.043	0	0	37.82	0	0	0	0	263.32	9.948	38.019
J2973	2.15	7.63	1283.63	4/13/2017 15:44	7.63	9.87	5270.35	0.099	509	0.028	0	0	28.37	0	0	0	0	83.18	0.991	63.361
J2976	0.72	3.78	1275.78	4/13/2017 12:11	3.78	0	821.97	0	27	-0.267	0	0	24.22	0	0	0	0	402.44	50.036	2.042
J2977	0.85	2.94	1273.94	4/13/2017 12:27	2.94	0	493.17	0	28.7	-0.033	0	0	23.06	0	0	0	0	1631.31	37.221	0.302
J2978	3.87	9.62	1250.71	4/13/2017 15:58	9.62	0.19	14182.45	0.004	1730	0.082	0	0	27.38	0	0	0	0	2501.97	223.678	5.669
J2982	0.33	1.12	1288.12	4/13/2017 12:08	1.12	31.42	179.56	0.349	17.2	0.117	0	0	14.88	0	0	0	0	1404.98	29.446	0.128
J2984	3.92	9.87	1272.39	4/13/2017 15:59	9.87	0	5232.94	0	524	0.012	0	0	32.13	0	0	0	0	520.27	38.604	10.058
J2989	1.21	5.64	1295.26	4/13/2017 13:39	5.64	29.65	2448.98	0.24	157	-0.023	0	0	44.36	0	0	0	0	508.79	21.167	4.813
J2990	0.45	1.7	1265.7	4/13/2017 12:35	1.7	52.25	622.13	0.692	38.8	-0.082	0	0	23.3	0	0	0	0	1856.22	45.633	0.335
J2991	3.28	9.44	1259.44	4/13/2017 15:44	9.43	6.84	14424.37	0.109	1690	0.06	0	0	56.56	0	0	0	0	1440.67	100.39	10.012

Junctions SWMM 5-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2994	4.43	12.44	1247.24	4/13/2017 16:04	12.44	0.06	14904.25	0.001	1900	0.024	0	0	28.56	0	0	0	0	3588.22	274.537	4.154
J2995	0.19	1.6	1319.68	4/13/2017 12:04	1.6	44.62	324.33	0.599	8.9	-0.718	0	0	23.4	0	0	0	0	141.25	11.396	2.296
J29951	0.24	1.66	1308.66	4/13/2017 12:06	1.66	0	371.56	0	12.4	-0.107	0	0	20.34	0	0	0	0	195.8	16.616	1.898
J2996	0.19	1.34	1314.13	4/13/2017 12:11	1.34	0	320.59	0	10.7	-0.017	0	0	20.66	0	0	0	0	169.53	13.624	1.891
J2997	0.28	2.84	1318.5	4/13/2017 12:11	2.84	19.45	387.74	0.261	10.7	-0.157	0	0	22.16	0	0	0	0	169.53	13.624	2.287
J2999	3.78	11.72	1247.72	4/13/2017 16:03	11.72	1.26	14927.7	0.026	1900	0.09	0	0	17.28	0	0	0	0	3578.82	274.491	4.171
J3	0.58	4.52	1385.02	4/13/2017 12:00	4.52	55.86	55.86	0.732	0.732	0.024	0	0	9.48	0	0	0	0	12.26	1.413	4.556
J30	1.87	7.01	1270.01	4/13/2017 16:00	7.01	7.48	5232.55	0.06	525	0.024	0	0	23.99	0	0	0	0	547.74	41.433	9.553
J3001	5.4	13.18	1249.43	4/13/2017 16:00	13.18	32.5	14952.42	0.38	1900	0.087	0	0	38.82	0	0	0	0	3503.62	270.129	4.268
J3002	3.41	10.17	1245.07	4/13/2017 16:06	10.16	0.23	14960.46	0.005	1900	0.107	0	0	28.83	0	0	0	0	3874.93	293.395	3.861
J3003	1.19	4.57	1254.57	4/13/2017 14:09	4.56	0	2446.14	0	169	-0.004	0	0	30.43	0	0	0	0	821.84	36.593	2.976
J3004	3.4	9.61	1263.55	4/13/2017 14:06	9.61	33.22	2467.65	0.314	168	-0.093	0	0	24.39	0	0	0	0	802.92	36.077	3.073
J3006	2.31	11.49	1275.53	4/13/2017 13:57	11.49	0	2433.2	0	161	-0.005	0	0	10.51	0	0	0	0	643.06	25.39	3.784
J3007	2.06	8.91	1305.11	4/13/2017 13:38	8.91	15.38	2388.47	0.17	144	0.008	0	0	11.09	0	0	0	0	38.45	1.048	62.119
J3018	0.72	3.86	1308.86	4/13/2017 12:04	3.86	15.75	365.36	0.279	5.86	-0.181	0	0	13.14	0	0	0	0	116.75	17.391	3.129
J3019	0.1	0.74	1306.21	4/13/2017 12:04	0.74	19.72	375.04	0.327	6.2	-0.082	0	0	16.26	0	0	0	0	120.91	18.56	3.102
J3020	0.13	1.64	1340.44	4/13/2017 12:03	1.64	30.92	232.88	0.491	4.19	-0.259	0	0	31.36	0	0	0	0	63.56	10.581	3.664
J3022	4.06	11.24	1262.24	4/13/2017 15:44	11.24	0	14228.46	0	1690	0.074	0	0	15.76	0	0	0	0	1392.7	96.443	10.216
J3023	3.5	10.46	1265.46	4/13/2017 16:06	10.46	11.74	5224.75	0.067	526	0.047	0	0	21.54	0	0	0	0	629.35	49.581	8.302
J3024	3.67	10.12	1274.11	4/13/2017 15:59	10.12	8.83	5234.09	0.043	525	0.074	0	0	28.88	0	0	0	0	520.27	38.604	10.06
J3025	3.8	11.26	1266.26	4/13/2017 15:20	11.26	34.38	9966.15	0.265	1160	0.223	0	0	18.74	0	0	0	0	674.15	38.21	14.783
J3026	7.48	15.51	1277.5	4/13/2017 15:04	15.51	24.94	10015.07	0.238	1170	0.126	0	0	46.49	0	0	0	0	552.76	30.156	18.118
J3027	1.31	6.5	1277.5	4/13/2017 15:05	6.5	0	230.77	0	5.65	-0.583	0	0	20.5	0	0	0	0	86.64	5.604	2.664
J3044	3.26	10.16	1305.16	4/13/2017 13:39	10.16	14.62	2388.74	0.177	143	0.038	0	0	14.84	0	0	0	0	27.61	0.406	86.517
J3049	3.9	11.24	1262.74	4/13/2017 15:39	11.24	0	9899.4	0	1160	0.08	0	0	15.76	0	0	0	0	676.02	38.467	14.644
J31	3.1	10.13	1266.13	4/13/2017 16:05	10.13	17.78	5224.76	0.26	525	0.028	0	0	21.87	0	0	0	0	587.49	46.682	8.893
J32	0.07	0.54	1269.98	4/13/2017 12:14	0.54	12.03	51.3	0.149	1.53	-0.817	0	0	25.46	0	0	0	0	36.46	2.87	1.407
J33	2.83	9.45	1264.27	4/13/2017 16:05	9.45	4.61	5226.25	0.023	526	0.049	0	0	22.55	0	0	0	0	642.07	50.665	8.14
J35	0.31	4.35	1324.35	4/13/2017 12:09	4.35	39.35	85.69	0.596	1.28	0.187	0	0	14.65	0	0	0	0	21.13	1.299	4.055
J36	1.63	6.61	1260.61	4/13/2017 14:08	6.61	8.5	2446.34	0.068	169	0	0	0	15.39	0	0	0	0	807.92	36.177	3.028
J37	0.42	3.07	1314.07	4/13/2017 12:24	3.07	40.08	258.31	0.55	8.85	0.095	0	0	15.93	0	0	0	0	396.18	15.51	0.652
J38	0.15	1.21	1311.21	4/13/2017 12:25	1.21	0	218.33	0	8.84	-0.092	0	0	15.79	0	0	0	0	396.18	15.51	0.551
J39	4.34	11.98	1246.58	4/13/2017 16:04	11.98	1.02	14929.18	0.021	1900	0.034	0	0	29.02	0	0	0	0	3605.21	275.709	4.141
J4	0.09	2.87	1383.12	4/13/2017 12:03	2.87	0	54.55	0	0.732	-0.3	0	0	11.13	0	0	0	0	12.26	1.413	4.449
J40	0.05	0.27	1319.02	4/13/2017 12:15	0.27	7.85	21.28	0.112	0.965	-4.537	0	0	8.73	0	0	0	0	33.39	2.295	0.637
J41	4.25	11.61	1246.11	4/13/2017 16:05	11.61	0.09	14896.78	0.002	1900	0.039	0	0	29.39	0	0	0	0	3611.78	275.722	4.124
J42	0.23	1.37	1290.37	4/13/2017 12:08	1.37	0	449.09	0	7	-1.35	0	0	64.63	0	0	0	0	191.79	17.143	2.342
J43	0.12	0.44	1337.44	4/13/2017 12:45	0.44	0	32.12	0	1.65	-0.175	0	0	16.56	0	0	0	0	26.74	2.315	1.201
J44	2.28	9.25	1305.25	4/13/2017 13:39	9.25	30.23	2389.91	0.402	143	0.094	0	0	11.75	0	0	0	0	12.65	0.227	188.926
J45	0.18	1.08	1248.08	4/13/2017 12:04	1.08	15.91	365.71	0.25	6.18	-0.307	0	0	16.92	0	0	0	0	118.64	19.182	3.083
J46	6.67	19.25	1244.5	4/13/2017 16:10	19.25	16.49	24358.7	0.159	1910	0.001	0	0	31.75	0	0	0	0	4043.09	317.678	6.025
J47	5.92	16.47	1236.01	4/13/2017 16:14	16.47	6.85	15052.39	0.046	1960	0.043	0	0	18.53	0	0	0	0	6267.81	379.747	2.402
J48	0.1	0.53	1325.53	4/13/2017 12:03	0.53	10.2	95.9	0.137	1.44	-1.213	0	0	13.47	0	0	0	0	31.58	0	3.037
J49	0.04	0.3	1319.98	4/13/2017 12:01	0.3	17.09	17.09	0.259	0.259	-3.318	0	0	9.7	0	0	0	0	4.72	0.099	3.621
J5	0.94	4.1	1274.11	4/13/2017 15:59	4.1	12.12	252.82	0.086	13	-0.484	0	0	37.9	0	0	0	0	264.93	24.362	0.954
J55	0.18	2.33	1331.04	4/13/2017 12:05	2.33	0	45.15	0	0.639	0.062	0	0	20.67	0	0	0	0	11.64	1.097	3.879
J57	0.03	0.28	1326.19	4/13/2017 12:07	0.28	0	28.54	0	0.639	-2.258	0	0	11.72	0	0	0	0	11.64	1.097	2.452
J58	0.05	0.36	1315.59	4/13/2017 12:00	0.36	12.69	12.69	0.166	0.166	-3.333	0	0	21.64	0	0	0	0	2.71	0.339	4.683
J59	0.09	0.49	1327.04	4/13/2017 12:11	0.49	0	24.79	0	0.751	-0.157	0	0	20.51	0	0	0	0	10.81	1.784	2.293
J6	0.22	3.12	1383.12	4/13/2017 12:03	3.12	0	44.91	0	0.734	-0.751	0	0	10.88	0	0	0	0	12.26	1.413	3.663
J60	0.59	3.51	1244.18	4/13/2017 16:10	3.5	37.59	3259.47	0.695	50.4	0.188	0	0	22.49	0	0	0	0	129.67	21.599	25.137
J61	0.23	2.32	1331.32	4/13/2017 12:06	2.32	0	53.88	0	0.761	1.291	0	0	18.68	0	0	0	0	10.81	1.784	4.984
J62	0.25	1.79	1318.71	4/13/2017 12:34	1.79	0	28.44	0	0.653	-2.203	0	0	10.21	0	0	0	0	11.64	1.097	2.443
J63	0.07	0.25	1315.35	4/13/2017 12:36	0.25	0	13.19	0	0.668	-0.383	0	0	11.75	0	0	0	0	11.64	1.097	1.133
J65	0.09	0.33	1309.72	4/13/2017 12:41	0.33	0	29.45	0	1.53	-0.272	0	0	11.67	0	0	0	0	25.46	3.457	1.157
J66	0.43	1.93	1314.93	4/13/2017 12:17	1.93	43.75	150.45	0.717	2.95	-2.224	0	0	15.07	0	0	0	0	54.79	2.29	2.746
J68	0.01	0.18	1271.3	4/13/2017 12:00	0.18	32.79	32.79	0.46	0.46	-3.221	0	0	33.82	0	0	0	0	9.77	1.021	3.356
J69	0.07	0.64	1324.95	4/13/2017 12:05	0.64	16.23	115.12	0.335	3.24	-0.585	0	0	10.36	0	0	0	0	53.37	3.657	2.157
J7	0.11	0.35	1293.44	4/13/2017 12:00	0.35	8.87	23.85	0.111	0.33	-2.942	0	0	16.65	0	0	0	0	7.22	1.543	3.303
J70	4.38	12.21	1246.91	4/13/2017 16:05	12.21	0	14923.86	0	1900	0.096	0	0	28.79	0	0	0	0	3597.99	275.558	4.148

Junctions SWMM 5-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J71	0.03	0.29	1299.29	4/13/2017 12:17	0.29	0	62.88	0	1.58	-1.242	0	0	64.71	0	0	0	0	40.12	1.4	1.567
J725	0.99	5.55	1305.56	4/13/2017 13:39	5.55	32.38	2394.05	0.322	142	-0.016	0	0	20.45	0	0	0	0	5.68	0	421.488
J74	0.18	1.08	1249.08	4/13/2017 12:07	1.07	18.19	158.88	0.209	4.28	-0.544	0	0	17.92	0	0	0	0	193.25	13.502	0.822
J75	0.11	0.52	1322.02	4/13/2017 12:02	0.52	5.02	20.23	0.068	1.51	-0.539	0	0	6.48	0	0	0	0	24.3	1.614	0.833
J76	0.06	0.46	1254.28	4/13/2017 12:00	0.46	43.59	43.59	0.524	0.524	-2.154	0	0	24.54	0	0	0	0	15.09	1.539	2.889
J763	0.16	1.37	1321.86	4/13/2017 12:00	1.37	226.61	226.61	5.95	5.95	-0.019	0	0	21.63	0	0	0	0	349.87	12.194	0.648
J77	0.91	3.63	1303.63	4/13/2017 12:50	3.63	0	80.21	0	4.48	-0.467	0	0	15.37	0	0	0	0	77.13	4.449	1.04
J779	0.08	0.75	1354.79	4/13/2017 12:00	0.75	67.86	67.86	1.19	1.19	-0.08	0	0	37.25	0	0	0	0	20.88	1.241	3.25
J78	3.1	4.47	1318.47	4/13/2017 13:59	4.47	0	122.45	0	7.43	2.977	0	0	5.53	0	0	0	0	123.84	10.356	0.989
J785	0.17	1.28	1317.8	4/13/2017 12:00	1.28	0	220.27	0	5.95	0.021	0	0	21.72	0	0	0	0	349.87	12.194	0.63
J79	0.08	0.82	1292.82	4/13/2017 12:06	0.82	0	169.95	0	7.25	0.317	0	0	15.18	0	0	0	0	133.47	8.332	1.273
J797	0.05	0.61	1345.01	4/13/2017 11:57	0.61	0	67.32	0	1.19	-0.682	0	0	37.39	0	0	0	0	20.88	1.241	3.224
J8	0.03	0.36	1377.64	4/13/2017 12:04	0.36	0	32.45	0	0.74	-0.215	0	0	16.64	0	0	0	0	12.26	1.413	2.647
J801	0.02	0.28	1346.15	4/13/2017 12:00	0.28	26.54	26.54	0.352	0.352	-2.536	0	0	22.72	0	0	0	0	6.3	0.098	4.213
J805	0.03	0.22	1314.52	4/13/2017 11:56	0.22	19.09	19.09	0.428	0.428	-0.853	0	0	7.78	0	0	0	0	8.81	0	2.167
J81	0.41	1.41	1319.41	4/13/2017 12:08	1.41	29.63	249.03	0.468	7.3	-0.813	0	0	6.59	0	0	0	0	210.93	7.99	1.181
J810	0.47	3.12	1342.12	4/13/2017 12:20	3.11	27.81	90.82	0.418	1.63	-1.669	0	0	22.88	0	0	0	0	26.74	2.315	3.396
J814	0.14	1.55	1317.55	4/13/2017 12:05	1.55	0	216.26	0	5.95	-0.064	0	0	17.45	0	0	0	0	349.87	12.194	0.618
J816	0.4	1.28	1306.28	4/13/2017 12:34	1.28	260.24	319.82	4.3	7.03	3.062	0	0	23.72	0	0	0	0	1121.15	19.701	0.285
J819	0.07	0.85	1333.17	4/13/2017 12:00	0.85	0	47.16	0	0.665	-2.275	0	0	18.15	0	0	0	0	10.73	0.848	4.395
J828	0.06	1.12	1342.12	4/13/2017 12:19	1.11	0	67.77	0	1.2	-0.355	0	0	24.88	0	0	0	0	20.88	1.241	3.246
J83	0.29	1.52	1320.52	4/13/2017 12:26	1.52	0	112.91	0	4.16	-11.823	0	0	9.48	0	0	0	0	67.92	5.397	1.662
J830	0.03	0.33	1337.05	4/13/2017 12:00	0.33	47.24	47.24	0.664	0.664	-0.16	0	0	18.67	0	0	0	0	10.73	0.848	4.403
J832	0.03	0.2	1317.2	4/13/2017 12:03	0.2	14.15	14.15	0.175	0.175	-8.395	0	0	15.8	0	0	0	0	4.29	0	3.298
J835	0.45	3.47	1317.47	4/13/2017 12:05	3.47	36.34	249.26	0.476	7.89	-0.041	0	0	14.53	0	0	0	0	381.42	14.371	0.654
J837	0.05	0.6	1317.79	4/13/2017 12:00	0.6	15.64	59.94	0.183	1.46	-0.295	0	0	18.4	0	0	0	0	23.81	1.649	2.517
J839	0.46	4.25	1305.16	4/13/2017 13:38	4.25	41.04	41.04	0.632	0.717	-0.335	0	0	20.75	0	0	0	0	12	0	3.42
J84	0.03	0.42	1268.8	4/13/2017 12:00	0.42	31.63	31.63	0.348	0.348	-4.334	0	0	11.58	0	0	0	0	12.98	0.024	2.437
J842	0.21	1.67	1315.34	4/13/2017 12:06	1.67	0	241.58	0	7.89	-0.151	0	0	20.33	0	0	0	0	381.42	14.371	0.633
J844	0.05	0.55	1309.39	4/13/2017 12:00	0.55	44.89	44.89	0.72	0.72	-1.396	0	0	11.45	0	0	0	0	13.81	0	3.251
J848	0.35	1.15	1306.05	4/13/2017 12:36	1.15	21.79	95.3	0.293	7.11	-1.616	0	0	14.85	0	0	0	0	1127.09	19.704	0.085
J85	0.23	1.47	1306.47	4/13/2017 12:16	1.47	35.28	87.19	0.416	1.9	-1.66	0	0	14.53	0	0	0	0	30.38	2.581	2.87
J854	0.03	0.28	1312.76	4/13/2017 12:08	0.28	0	19.13	0	0.432	-1.622	0	0	9.72	0	0	0	0	8.81	0	2.171
J856	0.55	4.14	1305.11	4/13/2017 13:38	4.14	23.44	23.44	0.453	0.503	-0.48	0	0	3.86	0	0	0	0	7.82	0.638	2.997
J860	0.56	1.73	1305.81	4/13/2017 13:53	1.73	14.77	14.77	0.198	0.332	0.64	0	0	8.27	0	0	0	0	7.28	0	2.029
J862	0.11	1.07	1318.07	4/13/2017 12:09	1.07	0	236.87	0	7.36	-0.05	0	0	8.93	0	0	0	0	210.93	7.99	1.123
J867	0.05	0.43	1332.58	4/13/2017 12:00	0.43	43.16	67.63	0.575	0.936	-2.042	0	0	22.57	0	0	0	0	16.16	0.491	4.185
J87	0.19	2.7	1287.7	4/13/2017 12:01	2.7	25.48	178.93	0.324	2.53	-0.329	0	0	23.3	0	0	0	0	45.91	6.038	3.897
J870	0.28	2.14	1314.14	4/13/2017 12:23	2.14	25.8	258.14	0.359	8.26	-0.394	0	0	19.86	0	0	0	0	388.08	14.38	0.665
J873	0.01	0.32	1308.55	4/13/2017 12:00	0.32	15.04	15.04	0.114	0.114	-2.064	0	0	12.68	0	0	0	0	11.05	0.002	1.361
J875	0.02	0.24	1346.12	4/13/2017 12:00	0.24	24.88	24.88	0.313	0.313	-7.726	0	0	13.76	0	0	0	0	5.5	0.105	4.524
J877	0.07	0.59	1334.59	4/13/2017 12:00	0.59	44.64	44.64	0.527	0.527	-0.76	0	0	26.41	0	0	0	0	16.9	1.499	2.641
J879	0.07	0.61	1338.78	4/13/2017 12:00	0.61	97.15	97.15	1.41	1.41	-0.14	0	0	19.39	0	0	0	0	23.74	1.348	4.092
J88	1.35	3.31	1281.28	4/13/2017 12:16	3.31	52.05	516.23	0.529	10.6	-0.825	0	0	66.69	0	0	0	0	301.92	22.833	1.71
J882	0.06	0.61	1328.61	4/13/2017 12:03	0.61	17.94	106.77	0.285	2.9	-0.467	0	0	16.39	0	0	0	0	47.46	3.25	2.25
J896	0.04	0.44	1306.44	4/13/2017 12:07	0.44	12.22	205.47	0.209	6.23	-0.672	0	0	11.56	0	0	0	0	166.63	6.317	1.233
J9	1.6	1.98	1256.25	4/13/2017 13:56	1.98	11.03	57.13	0.14	1.67	19.511	0	0	13.02	0	0	0	0	61.67	3.56	0.926
J90	0.06	0.54	1299.47	4/13/2017 12:06	0.54	60.5	450.29	0.681	6.97	-0.374	0	0	62.46	0	0	0	0	191.79	17.143	2.348
J900	0.12	0.84	1308.53	4/13/2017 12:25	0.84	18.08	222.31	0.312	9.16	-0.105	0	0	15.16	0	0	0	0	400.64	16.31	0.555
J906	0.89	4.45	1300.08	4/13/2017 13:40	4.45	0	2388.37	0	144	0.002	0	0	16.55	0	0	0	0	42.5	1.316	56.197
J910	0.62	1.81	1305.81	4/13/2017 13:55	1.81	20.85	42.11	0.284	0.7	1.018	0	0	12.19	0	0	0	0	7.82	0.952	5.385
J92	0.27	1.47	1282.77	4/13/2017 12:10	1.47	126.6	539.45	1.35	9.96	-1.405	0	0	68.53	0	0	0	0	284.56	22.341	1.896
J921	0.04	0.33	1330.4	4/13/2017 12:00	0.33	33.8	33.8	0.507	0.507	-2.207	0	0	19.67	0	0	0	0	9.48	0.87	3.565
J925	0.09	1.04	1327.16	4/13/2017 12:00	1.04	29.52	120.07	0.386	1.74	-0.256	0	0	16.96	0	0	0	0	26.88	2.741	4.467
J927	0.24	0.56	1299.95	4/13/2017 13:57	0.56	14.96	79.85	0.254	13.7	0.182	0	0	17.44	0	0	0	0	1338.37	27.806	0.06
J93	0.11	0.91	1283.52	4/13/2017 12:02	0.91	0	160.56	0	2.54	-0.11	0	0	22.09	0	0	0	0	45.91	6.038	3.497
J931	0.07	0.59	1330.64	4/13/2017 12:00	0.59	14.16	92.07	0.194	1.34	-0.69	0	0	23.41	0	0	0	0	20.69	2.265	4.45
J935	0.12	1.11	1322.11	4/13/2017 12:00	1.1	129.36	129.36	3.55	3.55	-0.104	0	0	11.89	0	0	0	0	144.21	3.966	0.897
J937	0.04	0.46	1301.31	4/13/2017 12:00	0.46	14.56	32.88	0.286	0.63	-0.442	0	0	11.54	0	0	0	0	10.78	0.809	3.05
J94	0.01	0.06	1386.09	4/13/2017 12:04	0.06	23.36	23.36	0.213	0.213	-7.214	0	0	64.94	0	0	0	0	5.75	0.315	4.063

Junctions SWMM 5-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J946	1.23	4.76	1298.78	4/13/2017 13:42	4.76	23.71	2388.36	0.266	144	0.063	0	0	15.24	0	0	0	0	50.3	1.709	47.482
J950	0.04	0.55	1318.8	4/13/2017 12:00	0.55	44.04	162.72	0.513	2.25	-0.965	0	0	21.45	0	0	0	0	36.07	2.751	4.511
J953	0.13	0.75	1320.77	4/13/2017 12:02	0.75	0	123.07	0	3.55	-0.432	0	0	12.25	0	0	0	0	144.21	3.966	0.853
J955	0.08	0.67	1333.67	4/13/2017 12:00	0.66	18.29	115	0.281	1.69	-0.41	0	0	19.33	0	0	0	0	28.92	1.421	3.976
J959	0.06	0.5	1317.5	4/13/2017 12:01	0.5	20.28	63.51	0.367	0.898	-1.127	0	0	26.5	0	0	0	0	24.07	1.511	2.639
J96	0.41	5.7	1302.7	4/13/2017 12:06	5.7	0	358.73	0	7.28	-0.378	0	0	27.3	0	0	0	0	104.93	20.288	3.419
J964	0.05	0.44	1348.53	4/13/2017 12:00	0.44	79.02	79.02	1.14	1.14	-0.306	0	0	23.56	0	0	0	0	17.68	1.958	4.469
J968	0.03	0.34	1298.34	4/13/2017 12:00	0.34	32.21	32.21	0.473	0.473	-3.282	0	0	12.66	0	0	0	0	8.91	0.468	3.615
J97	0.02	0.18	1325.18	4/13/2017 12:00	0.18	7.52	7.52	0.116	0.116	-4.913	0	0	9.82	0	0	0	0	1.69	0.259	4.45
J971	0.03	0.28	1299.28	4/13/2017 12:00	0.28	30	30	0.595	0.595	-1.273	0	0	9.72	0	0	0	0	10.86	0.504	2.762
J973	0.06	0.77	1298.77	4/13/2017 12:00	0.77	26.38	57.34	0.431	1.06	-0.316	0	0	13.23	0	0	0	0	19.06	0.809	3.008
J975	0.05	0.49	1298.49	4/13/2017 12:01	0.49	35.06	35.06	0.463	0.463	-15.661	0	0	13.51	0	0	0	0	17.06	0.002	2.055
J978	0.32	2.26	1302.26	4/13/2017 12:07	2.26	16.97	330.44	0.174	12.3	-0.431	0	0	50.74	0	0	0	0	451.09	19.458	0.733
J98	0.04	0.67	1311.84	4/13/2017 12:00	0.67	24.59	24.59	0.278	0.278	-0.77	0	0	23.33	0	0	0	0	8.29	0.146	2.966
J980	0.05	0.78	1295.93	4/13/2017 12:02	0.78	15.95	71.84	0.288	1.36	-0.708	0	0	17.22	0	0	0	0	24.71	0.809	2.907
J982	0.25	1.08	1310.64	4/13/2017 12:09	1.08	0	266.72	0	9.16	-0.065	0	0	19.92	0	0	0	0	241.71	9.782	1.103
J986	0.12	0.65	1325.65	4/13/2017 12:01	0.65	20.19	132.09	0.28	1.97	-0.666	0	0	13.35	0	0	0	0	33.66	1.659	3.924
J988	0.04	0.57	1302.57	4/13/2017 12:00	0.56	70.81	70.81	0.936	0.936	-2.533	0	0	12.43	0	0	0	0	56.03	1.558	1.264
J99	0.26	3.29	1362.29	4/13/2017 12:06	3.29	0	362.75	0	5.22	-0.454	0	0	19.71	0	0	0	0	86.23	7.185	4.207
J990	0.04	0.41	1303.41	4/13/2017 12:07	0.41	0	54.6	0	1.01	-1.03	0	0	18.59	0	0	0	0	18.35	0.87	2.975
J992	0.07	0.6	1325.6	4/13/2017 12:11	0.6	0	45.34	0	1.3	-1.232	0	0	24.4	0	0	0	0	20.48	2.44	2.214
J994	0.06	0.42	1319.42	4/13/2017 12:00	0.42	22	22	0.423	0.423	-0.666	0	0	13.58	0	0	0	0	6.37	1.005	3.454
J996	0.27	0.61	1292.84	4/13/2017 14:09	0.61	23.57	79.78	0.446	14.9	0.121	0	0	19.39	0	0	0	0	1363.61	28.637	0.059
J998	0.06	0.27	1297.27	4/13/2017 12:11	0.27	0	31.21	0	0.602	-1.21	0	0	10.73	0	0	0	0	10.86	0.504	2.874
M10042417	0.09	0.41	1277.41	4/13/2017 12:00	0.41	29.11	29.11	0.775	0.775	-1.428	0	0	7.59	0	0	0	0	12.83	2.164	2.269
M1042417	0.02	0.29	1288.29	4/13/2017 12:00	0.29	29.86	29.86	0.558	0.558	-0.997	0	0	22.71	0	0	0	0	10.81	0.103	2.762
M11042417	0.09	0.56	1258.56	4/13/2017 12:00	0.56	73.04	73.04	1.35	1.35	-0.348	0	0	8.44	0	0	0	0	22.33	2.527	3.271
M12042417	0.94	3.7	1256.7	4/13/2017 12:49	3.7	26.75	694.21	0.305	49.2	-0.005	0	0	19.3	0	0	0	0	2043.21	57.208	0.34
M13042417	0.04	0.37	1266.9	4/13/2017 12:00	0.37	41.05	41.05	0.542	0.542	-4.211	0	0	9.63	0	0	0	0	14.39	0.714	2.853
M14042417	0.05	0.46	1283.46	4/13/2017 12:00	0.46	30.4	30.4	0.481	0.481	-1.107	0	0	10.54	0	0	0	0	9.24	0	3.29
M15042417	0.03	0.14	1320.23	4/13/2017 12:09	0.14	11.25	11.25	0.147	0.147	-13.779	0	0	14.86	0	0	0	0	2.5	0.116	4.5
M16042417	0.07	0.28	1296.39	4/13/2017 12:13	0.28	26.44	29.74	0.445	0.615	-4.767	0	0	14.72	0	0	0	0	16.07	0.368	1.851
M18042417	0.67	2.68	1253.68	4/13/2017 12:51	2.68	10.16	691.89	0.133	49.7	-0.05	0	0	16.32	0	0	0	0	2058.64	57.444	0.336
M19042417	1.06	2.79	1252.61	4/13/2017 12:52	2.79	70.53	694.11	0.893	50.6	-0.119	0	0	17.21	0	0	0	0	2079.64	58.53	0.334
M20042417	0.46	1.58	1250.09	4/13/2017 12:53	1.58	47.28	696.16	0.59	51.3	-0.048	0	0	20.42	0	0	0	0	2097.12	59.175	0.332
M2042417	0.16	0.77	1282.94	4/13/2017 12:34	0.77	0	116.48	0	6.72	-0.155	0	0	27.23	0	0	0	0	160.06	5.898	0.728
M21042417	0.65	2.47	1249.25	4/13/2017 12:53	2.47	45.96	699.58	0.642	52	-0.037	0	0	24.53	0	0	0	0	2110.74	59.649	0.331
M22042417	0.63	2.34	1246.22	4/13/2017 12:54	2.34	9.58	699.48	0.078	52	-0.033	0	0	24.66	0	0	0	0	2113.44	59.649	0.331
M23042417	0.72	2.62	1245.62	4/13/2017 12:55	2.62	19.11	699.49	0.186	52.3	-0.043	0	0	15.38	0	0	0	0	2120.77	59.803	0.33
M24042417	0.85	2.83	1245.08	4/13/2017 12:55	2.83	15.73	699.44	0.169	52.4	-0.036	0	0	11.17	0	0	0	0	2126.76	60.27	0.329
M25042417	0.85	2.56	1244.56	4/13/2017 12:56	2.56	6.46	699.26	0.068	52.5	-0.043	0	0	11.44	0	0	0	0	2130.18	60.328	0.328
M26042417	0.78	2.31	1244.02	4/13/2017 12:57	2.31	8.21	699.12	0.086	52.6	-0.048	0	0	12.69	0	0	0	0	2133.03	60.405	0.328
M27042417	1.03	3.18	1243.18	4/13/2017 12:58	3.18	23.8	699.62	0.318	53	-0.052	0	0	11.82	0	0	0	0	2144.74	60.943	0.326
M28042417	0.9	3.03	1243.01	4/13/2017 12:58	3.03	11.1	699.3	0.144	53.2	-0.055	0	0	14.97	0	0	0	0	2151.6	61.133	0.325
M29042417	0.48	1.84	1241.53	4/13/2017 12:58	1.84	11.54	700.25	0.194	53.4	-0.033	0	0	16.16	0	0	0	0	2161.03	61.437	0.324
M30042417	0.7	2.21	1238.21	4/13/2017 13:00	2.21	15.82	700.26	0.144	53.5	-0.486	0	0	29.79	0	0	0	0	2170.36	61.761	0.323
M3042417	0.28	1.06	1282.42	4/13/2017 12:02	1.06	27.61	130.05	0.394	7.12	-0.112	0	0	26.94	0	0	0	0	166.78	6.222	0.78
M31042417	4.54	14.49	1237.49	4/13/2017 16:12	14.46	0.18	16734.89	0.004	1910	0.107	0	0	33.51	0	0	0	0	4077.31	317.986	4.104
M32042417	5.81	16.03	1237.03	4/13/2017 16:13	16.02	0	16193.81	0	1960	0.083	0	0	18.97	0	0	0	0	6258.68	379.747	2.587
M40042417	0.1	0.55	1284.55	4/13/2017 12:33	0.55	70.88	116.69	1.95	6.71	-0.138	0	0	7.45	0	0	0	0	160.06	5.898	0.729
M4042417	0.43	1.23	1280.23	4/13/2017 12:01	1.23	32.93	155.96	0.625	7.76	-0.164	0	0	13.77	0	0	0	0	177.14	7.223	0.88
M41042417	0.42	1.88	1256.88	4/13/2017 12:48	1.88	33.44	692.78	0.522	48.3	-0.036	0	0	17.12	0	0	0	0	2022.3	56.056	0.343
M5042417	0.17	0.98	1278.98	4/13/2017 12:03	0.98	0	156.41	0	7.77	-0.148	0	0	11.02	0	0	0	0	177.14	7.223	0.883
M6042417	0.21	0.75	1279.03	4/13/2017 12:00	0.75	48.99	48.99	0.877	0.877	-0.51	0	0	20.25	0	0	0	0	15.03	1.063	3.259
M7042417	0.03	0.48	1278.48	4/13/2017 12:01	0.48	30.79	78.06	0.468	1.35	-1.055	0	0	20.52	0	0	0	0	23.14	1.461	3.373
M8042417	0.49	1.96	1274.96	4/13/2017 12:08	1.96	21.55	119.21	0.48	2.63	-1.172	0	0	9.04	0	0	0	0	44.12	4.437	2.702
M9042417	0.64	2.06	1260.01	4/13/2017 12:44	2.06	0	676.83	0	47.4	-0.01	0	0	17.94	0	0	0	0	1990.45	52.764	0.34
MAS1	0.05	0.53	1337.53	4/13/2017 12:00	0.53	43.37	43.37	0.458	0.458	-0.326	0	0	15.47	0	0	0	0	13.51	1.295	3.21
MAS10	0.26	1.55	1305.56	4/13/2017 12:06	1.54	19.24	438.82	0.239	6.23	-0.858	0	0	61.45	0	0	0	0	173.2	15.616	2.534
MAS100	0.36	2.27	1283.29	4/13/2017 12:09	2.27	58.55	1012.79	0.614	20.8	-0.426	0	0	53.73	0	0	0	0	351.02	38.361	2.885

Junctions SWMM 5-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
MAS101	0.06	0.53	1376.79	4/13/2017 12:00	0.53	58.29	119.08	0.743	1.51	-0.613	0	0	49.47	0	0	0	0	38.47	4.111	3.095
MAS102	0.05	0.77	1347.46	4/13/2017 12:00	0.77	0	143.46	0	2	-0.486	0	0	35.23	0	0	0	0	31.66	2.788	4.531
MAS103	0.03	0.54	1284.54	4/13/2017 12:00	0.54	44.69	124.04	0.489	1.35	-0.402	0	0	13.46	0	0	0	0	42.11	1.464	2.946
MAS104	0.06	0.76	1375.54	4/13/2017 11:55	0.76	57.54	95.32	0.631	1.09	-0.581	0	0	51.24	0	0	0	0	20.64	2.269	4.618
MAS105	0.18	1.82	1304.62	4/13/2017 12:04	1.82	42.48	810.41	0.513	16	-0.159	0	0	27.18	0	0	0	0	262.58	28.264	3.086
MAS106	0.25	1.58	1312.58	4/13/2017 12:13	1.58	10.9	274.04	0.073	10	-0.03	0	0	18.42	0	0	0	0	266.58	23.157	1.028
MAS107	0.11	1.3	1336.3	4/13/2017 12:00	1.3	72.21	292.3	0.762	3.96	-0.557	0	0	26.7	0	0	0	0	64.43	4.211	4.537
MAS108	0.08	1.04	1365.04	4/13/2017 12:00	1.04	0	162.42	0	2	-0.279	0	0	37.96	0	0	0	0	51.77	5.179	3.137
MAS109	0.13	0.64	1378.9	4/13/2017 12:00	0.64	13.76	85.41	0.141	1.06	-0.209	0	0	18.36	0	0	0	0	28.04	3.579	3.046
MAS11	0.08	0.62	1396.72	4/13/2017 12:00	0.62	72.37	72.37	0.917	0.917	-0.028	0	0	15.38	0	0	0	0	22.96	3.226	3.152
MAS110	0.13	0.84	1355.62	4/13/2017 12:00	0.83	28.39	77.55	0.296	1.89	-0.519	0	0	24.16	0	0	0	0	49.76	4.039	1.558
MAS111	0.15	1.6	1320.6	4/13/2017 12:04	1.6	0	399.09	0	4.98	-0.277	0	0	35.4	0	0	0	0	143.58	11.415	2.78
MAS112	0.05	0.5	1330.26	4/13/2017 12:00	0.5	0	122.96	0	1.82	-0.403	0	0	22.5	0	0	0	0	46.78	2.133	2.628
MAS113	0.13	1.12	1326.24	4/13/2017 12:00	1.12	42.67	372.45	0.506	5.21	-0.583	0	0	21.88	0	0	0	0	82.04	6.94	4.54
MAS114	0.31	1.27	1340.79	4/13/2017 12:01	1.27	19.82	322.25	0.193	3.81	-0.995	0	0	30.73	0	0	0	0	108.44	8.975	2.972
MAS115	0.15	0.75	1344.75	4/13/2017 12:01	0.75	0	129.83	0	5.59	-0.126	0	0	26.25	0	0	0	0	101.08	11.965	1.284
MAS116	0.03	0.47	1339.47	4/13/2017 12:00	0.47	61.27	177.73	0.717	2.8	-0.689	0	0	23.53	0	0	0	0	54.61	4.482	3.255
MAS118	0.18	0.63	1360.63	4/13/2017 12:02	0.63	0	57.68	0	3.06	0.321	0	0	24.37	0	0	0	0	61.33	6.808	0.94
MAS119	0.29	1.54	1333.54	4/13/2017 12:02	1.54	35.08	265.43	0.401	8.09	-0.23	0	0	24.46	0	0	0	0	137.84	16.696	1.926
MAS12	0.15	0.92	1369.92	4/13/2017 12:00	0.92	48.57	163.36	0.477	2	-0.123	0	0	9.08	0	0	0	0	51.77	5.179	3.155
MAS120	0.11	1.24	1302.24	4/13/2017 12:04	1.24	9.55	882.99	0.131	17.4	-0.119	0	0	31.76	0	0	0	0	286.63	32.198	3.081
MAS122	0.44	1.73	1286.73	4/13/2017 13:05	1.73	37.84	193.56	0.392	13.6	-0.195	0	0	21.27	0	0	0	0	363.16	27.125	0.533
MAS123	0.13	1.78	1312.78	4/13/2017 12:02	1.78	53.53	664.94	0.733	10.8	-0.175	0	0	23.22	0	0	0	0	169.92	19.398	3.913
MAS124	0.29	1.88	1355.88	4/13/2017 12:07	1.88	16.93	107.62	0.16	1.96	-0.919	0	0	7.12	0	0	0	0	57.85	5.703	1.86
MAS125	0.15	1.86	1317.91	4/13/2017 12:02	1.86	24.8	506.59	0.257	7.73	-0.192	0	0	21.14	0	0	0	0	124.81	10.642	4.059
MAS126	0.16	1.99	1306.99	4/13/2017 12:03	1.99	0	765.79	0	14.9	-0.156	0	0	24.01	0	0	0	0	245.55	26.232	3.119
MAS128	0.36	1.98	1282.98	4/13/2017 12:08	1.98	40.39	360.71	0.336	17.1	-0.334	0	0	24.02	0	0	0	0	451.66	30.671	0.799
MAS129	0.32	2.64	1306.76	4/13/2017 12:06	2.64	0	414.82	0	5.99	-0.126	0	0	9.36	0	0	0	0	166.62	14.97	2.49
MAS13	0.1	0.48	1379.38	4/13/2017 12:00	0.48	48.17	48.17	0.588	0.588	-0.026	0	0	13.52	0	0	0	0	16.41	1.442	2.935
MAS132	0.4	1.83	1280.83	4/13/2017 12:08	1.83	10.2	366.96	0.121	17.9	-0.4	0	0	32.17	0	0	0	0	471.43	32.105	0.778
MAS133	0.06	0.45	1337.45	4/13/2017 12:00	0.45	0	61.71	0	0.625	-0.471	0	0	20.55	0	0	0	0	17.88	0.594	3.451
MAS134	0.2	2.03	1369.74	4/13/2017 12:04	2.03	31.05	85.83	0.333	0.994	0.286	0	0	23.97	0	0	0	0	23.9	1.737	3.591
MAS135	0.54	3.78	1368.78	4/13/2017 12:29	3.77	10.74	109.75	0.105	1.62	-0.572	0	0	8.22	0	0	0	0	29.58	2.195	3.71
MAS1359	0.14	1.15	1326.15	4/13/2017 12:28	1.15	7.93	34.11	0.112	0.667	-0.667	0	0	7.85	0	0	0	0	12.31	0.763	2.771
MAS136	0.04	0.27	1364.95	4/13/2017 12:31	0.27	0	24.35	0	1.18	-0.117	0	0	11.73	0	0	0	0	29.58	2.195	0.823
MAS137	0.17	3.35	1352.35	4/13/2017 12:06	3.35	20.88	130.47	0.224	1.39	1.303	0	0	26.65	0	0	0	0	28.26	1.431	4.617
MAS138	0.05	0.67	1345.65	4/13/2017 12:12	0.67	0	66.27	0	1.37	-0.049	0	0	24.33	0	0	0	0	28.26	1.431	2.345
MAS14	0.05	0.68	1356.68	4/13/2017 12:00	0.68	14.04	57.54	0.204	0.87	-0.079	0	0	42.32	0	0	0	0	12.98	1.777	4.433
MAS141	0.11	1.46	1328.77	4/13/2017 12:02	1.46	0	343.15	0	4.26	-0.038	0	0	57.54	0	0	0	0	121.03	9.858	2.835
MAS142	0.15	2.17	1369.17	4/13/2017 12:00	2.16	0	63.47	0	0.736	-0.215	0	0	8.83	0	0	0	0	18.97	1.818	3.346
MAS143	0.2	2.66	1368.79	4/13/2017 12:30	2.64	7.98	86	0.072	1.51	-0.072	0	0	9.34	0	0	0	0	27.07	1.87	3.177
MAS144	0.07	0.9	1314.7	4/13/2017 12:01	0.9	0	115.02	0	1.83	-0.056	0	0	13.1	0	0	0	0	26.52	5.878	4.337
MAS145	0.11	1.46	1317.46	4/13/2017 12:01	1.46	0	128.01	0	1.84	0.281	0	0	11.54	0	0	0	0	26.52	5.878	4.827
MAS147	0.11	0.61	1334.51	4/13/2017 12:00	0.61	0	110.17	0	2.24	-0.331	0	0	34.39	0	0	0	0	61.59	4.767	1.789
MAS148	0.1	0.57	1350.57	4/13/2017 12:00	0.57	0	77.2	0	0.946	-0.885	0	0	45.43	0	0	0	0	23.46	2.514	3.291
MAS150	0.07	0.34	1368.39	4/13/2017 12:00	0.34	9.47	65.78	0.085	0.812	-0.257	0	0	66.66	0	0	0	0	22.38	2.873	2.939
MAS151	0.03	0.44	1365.1	4/13/2017 12:00	0.44	0	64.68	0	0.814	-0.32	0	0	30.56	0	0	0	0	22.38	2.873	2.89
MAS152	0.27	2.1	1371.78	4/13/2017 12:06	2.1	18.56	101.79	0.187	1.27	-0.044	0	0	12.9	0	0	0	0	34.93	4.14	2.914
MAS153	0.06	0.65	1368.65	4/13/2017 12:04	0.65	0	99.38	0	1.79	-0.497	0	0	14.35	0	0	0	0	50.29	5.349	1.976
MAS157	0.07	0.58	1374.66	4/13/2017 12:00	0.58	0	84.98	0	1.06	-1.855	0	0	14.42	0	0	0	0	28.04	3.579	3.031
MAS159	0.08	0.82	1376.65	4/13/2017 12:01	0.82	0	48.26	0	0.513	-0.532	0	0	10.18	0	0	0	0	15.36	1.209	3.142
MAS166	0.04	0.51	1390.24	4/13/2017 12:00	0.51	0	72.23	0	0.917	-0.097	0	0	18.49	0	0	0	0	22.96	3.226	3.146
MAS167	0.05	0.31	1353.05	4/13/2017 12:00	0.31	22.84	22.84	0.292	0.292	-2.226	0	0	12.69	0	0	0	0	6.24	0.645	3.66
MAS168	0.19	1.21	1330.02	4/13/2017 12:12	1.21	21.46	133.32	0.268	3.74	-0.052	0	0	20.79	0	0	0	0	70.57	6.55	1.889
MAS169	0.04	0.48	1367.02	4/13/2017 11:55	0.48	63	63	0.709	0.709	-0.231	0	0	29.52	0	0	0	0	14.24	1.731	4.424
MAS17	0.02	0.36	1369.99	4/13/2017 12:00	0.36	63.59	63.59	0.736	0.736	-0.044	0	0	10.64	0	0	0	0	18.97	1.818	3.352
MAS170	0.02	0.32	1359.82	4/13/2017 12:00	0.32	44.59	44.59	0.666	0.666	-0.013	0	0	24.68	0	0	0	0	10.33	1.147	4.317
MAS171	0.15	0.82	1351.12	4/13/2017 12:01	0.82	0	93.94	0	2	-0.838	0	0	30.18	0	0	0	0	80.23	8.576	1.171
MAS175	0.02	0.53	1354.53	4/13/2017 12:07	0.53	9.95	71.23	0.081	0.873	-0.479	0	0	80.47	0	0	0	0	60.86	5.884	1.17
MAS176	0.08	0.48	1376.19	4/13/2017 12:00	0.48	14.53	54.1	0.201	0.848	-0.809	0	0	24.52	0	0	0	0	13.86	1.142	3.903

Junctions SWMM 5-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
MAS177	0.26	4.55	1375.55	4/13/2017 12:01	4.55	0	67.19	0	0.908	0.031	0	0	13.45	0	0	0	0	14	1.461	4.799
MAS178	0.04	0.4	1368.6	4/13/2017 12:02	0.39	0	56.42	0	0.907	-0.546	0	0	17.6	0	0	0	0	14	1.461	4.03
MAS179	0.05	0.39	1360.3	4/13/2017 12:14	0.39	0	54.83	0	1.86	-0.145	0	0	16.61	0	0	0	0	29.04	4.497	1.888
MAS18	0.06	0.92	1350.96	4/13/2017 12:00	0.92	36.34	196.38	0.299	2.3	-0.391	0	0	38.08	0	0	0	0	63.16	5.486	3.109
MAS180	0.43	4.66	1368.66	4/13/2017 12:13	4.66	45.76	105.07	0.599	1.87	0.204	0	0	12.34	0	0	0	0	29.04	4.497	3.618
MAS181	0.13	0.73	1342.56	4/13/2017 11:55	0.73	53.4	131.57	0.722	1.83	-0.585	0	0	48.27	0	0	0	0	26.52	5.878	4.961
MAS182	0.07	0.52	1351.8	4/13/2017 11:56	0.52	0	62.05	0	0.71	-1.001	0	0	29.48	0	0	0	0	14.24	1.731	4.357
MAS183	0.02	0.34	1341.34	4/13/2017 12:02	0.34	25.24	87.67	0.226	1.25	-0.265	0	0	18.66	0	0	0	0	33.8	0.667	2.594
MAS184	0.07	0.68	1345.68	4/13/2017 12:00	0.68	38.14	112.12	0.331	2.23	-0.327	0	0	34.32	0	0	0	0	61.59	4.767	1.82
MAS185	0.27	1.16	1308.16	4/13/2017 12:15	1.16	18.04	289.29	0.151	10.8	-0.649	0	0	21.84	0	0	0	0	287.83	24.269	1.005
MAS19	0.02	0.32	1375.32	4/13/2017 12:00	0.32	57.33	57.33	0.726	0.726	-0.202	0	0	66.68	0	0	0	0	18.71	2.698	3.064
MAS2	0.85	3.97	1337.97	4/13/2017 12:01	3.97	22.77	335.36	0.218	4.07	-1.865	0	0	28.03	0	0	0	0	117.17	9.563	2.862
MAS20	0.06	0.61	1387.01	4/13/2017 11:55	0.61	82.25	82.25	1.14	1.14	-0.107	0	0	21.39	0	0	0	0	17.91	3.02	4.592
MAS21	0.04	0.43	1372.12	4/13/2017 12:02	0.43	0	45.44	0	0.516	-1.194	0	0	14.57	0	0	0	0	15.36	1.209	2.958
MAS22	0.01	0.21	1401.87	4/13/2017 12:01	0.21	16	16	0.173	0.173	-3.284	0	0	70.79	0	0	0	0	5.59	0.245	2.862
MAS23	0.15	0.94	1350.98	4/13/2017 11:56	0.94	74.68	143.85	0.925	2	-0.352	0	0	36.06	0	0	0	0	31.66	2.788	4.544
MAS24	0.05	0.85	1364.37	4/13/2017 12:00	0.85	15.79	77.56	0.206	0.944	-0.226	0	0	45.15	0	0	0	0	23.46	2.514	3.306
MAS26	0.02	0.25	1408.47	4/13/2017 12:00	0.25	27.81	27.81	0.337	0.337	-0.233	0	0	11.75	0	0	0	0	7.95	0.98	3.498
MAS27	0.07	0.48	1397.14	4/13/2017 12:00	0.48	21.45	49.14	0.171	0.509	-0.958	0	0	11.52	0	0	0	0	15.36	1.209	3.199
MAS29	0.12	0.64	1346.2	4/13/2017 12:01	0.64	0	71.16	0	1.2	0.002	0	0	9.36	0	0	0	0	22.67	1.802	3.139
MAS3	0.09	0.65	1327.19	4/13/2017 12:00	0.65	13.01	56.13	0.111	0.57	-2.878	0	0	24.35	0	0	0	0	17.35	1.509	3.235
MAS30	0.04	0.46	1391.67	4/13/2017 12:00	0.46	40.15	40.15	0.646	0.646	-0.054	0	0	10.54	0	0	0	0	10.67	0.866	3.763
MAS31	0.03	0.61	1379.61	4/13/2017 12:00	0.6	48.31	129.39	0.521	1.66	-0.522	0	0	21.39	0	0	0	0	26.51	3.59	4.881
MAS32	0.07	0.81	1330.12	4/13/2017 12:01	0.81	18.04	129.43	0.298	2.23	-0.196	0	0	24.19	0	0	0	0	38.49	3.539	3.363
MAS33	0.02	0.47	1361.47	4/13/2017 12:00	0.47	39.21	39.21	0.346	0.346	-0.171	0	0	24.53	0	0	0	0	10.2	0.131	3.844
MAS34	0.07	0.56	1374.56	4/13/2017 12:00	0.56	55.67	55.67	0.641	0.641	-3.072	0	0	25.44	0	0	0	0	14.99	0.879	3.714
MAS35	0.07	0.9	1363	4/13/2017 12:00	0.9	85.73	85.73	1.18	1.18	-0.442	0	0	31.1	0	0	0	0	19.6	1.215	4.374
MAS36	0.04	0.26	1375.23	4/13/2017 12:00	0.26	30.75	30.75	0.476	0.476	-0.296	0	0	10.74	0	0	0	0	10.31	1.137	2.983
MAS37	0.14	2.73	1342.29	4/13/2017 12:00	2.73	61.93	61.93	0.625	0.625	-0.009	0	0	18.27	0	0	0	0	17.88	0.594	3.464
MAS38	0.13	0.64	1358.36	4/13/2017 12:00	0.64	32.66	63	0.558	1.03	-1.121	0	0	15.36	0	0	0	0	19.96	1.713	3.156
MAS39	1.36	4.07	1375	4/13/2017 12:46	4.07	12.37	164.81	0.171	5.03	1.191	0	0	24.93	0	0	0	0	35.09	4.454	4.697
MAS4	0.07	1.18	1344.18	4/13/2017 12:00	1.17	37.55	230.82	0.348	2.66	-0.241	0	0	29.82	0	0	0	0	75.29	6.225	3.066
MAS40	0.06	0.69	1337.08	4/13/2017 12:00	0.69	52.34	115.95	0.724	1.92	-0.19	0	0	24.31	0	0	0	0	34.2	2.81	3.39
MAS41	0.03	0.3	1345.97	4/13/2017 11:55	0.3	49.3	49.3	0.714	0.714	-0.497	0	0	11.7	0	0	0	0	9.78	1.979	5.041
MAS43	0.02	0.47	1353.53	4/13/2017 12:00	0.47	40.53	79.73	0.364	0.711	-0.184	0	0	30.53	0	0	0	0	20.92	0.34	3.811
MAS44	0.04	0.44	1382.85	4/13/2017 12:00	0.44	0	40.03	0	0.647	-0.155	0	0	14.56	0	0	0	0	10.67	0.866	3.752
MAS45	0.04	0.82	1346.84	4/13/2017 12:00	0.82	12.32	91.99	0.12	0.832	-1.366	0	0	30.18	0	0	0	0	24.59	0.4	3.741
MAS46	0.12	0.49	1341.34	4/13/2017 12:02	0.49	0	128.91	0	3.5	-0.02	0	0	13.51	0	0	0	0	97.57	10.384	1.321
MAS47	0.02	0.28	1402.66	4/13/2017 11:55	0.28	34.28	34.28	0.501	0.501	-0.168	0	0	19.72	0	0	0	0	7.08	1.815	4.842
MAS49	0.03	0.35	1396.35	4/13/2017 11:56	0.35	14.69	48.48	0.2	0.702	-0.815	0	0	23.65	0	0	0	0	10.27	2.434	4.721
MAS5	0.3	2.4	1311.4	4/13/2017 12:04	2.4	30.92	403.26	0.42	5.64	-0.164	0	0	39.6	0	0	0	0	159.9	13.783	2.522
MAS51	0.27	2.85	1393.41	4/13/2017 12:04	2.85	9.44	56.21	0.119	0.827	-1.091	0	0	21.15	0	0	0	0	11.76	2.888	4.78
MAS52	0.08	0.51	1377.55	4/13/2017 12:00	0.51	40.74	40.74	0.414	0.414	-0.869	0	0	11.49	0	0	0	0	11.51	1.042	3.54
MAS54	0.06	0.45	1387.41	4/13/2017 12:00	0.45	9.91	41.01	0.139	0.975	-0.065	0	0	15.55	0	0	0	0	13.51	3.348	3.036
MAS55	0.03	0.31	1340.92	4/13/2017 12:00	0.31	38.1	38.1	0.484	0.484	-1.04	0	0	10.69	0	0	0	0	8.33	1.033	4.574
MAS56	0.84	2.65	1333.65	4/13/2017 12:00	2.65	38.84	123.7	0.535	1.79	-1.637	0	0	16.35	0	0	0	0	46.78	2.133	2.644
MAS57	0.1	0.69	1346.73	4/13/2017 12:00	0.69	59.22	100.98	0.663	3.72	-0.236	0	0	23.31	0	0	0	0	72.04	7.467	1.402
MAS58	0.16	1.3	1319.46	4/13/2017 12:02	1.3	24.38	143.09	0.327	2.15	-0.588	0	0	21.7	0	0	0	0	53.4	3.245	2.68
MAS59	0.05	0.56	1358.67	4/13/2017 11:55	0.56	79.9	79.9	1.11	1.11	-0.088	0	0	48.44	0	0	0	0	15.74	3.714	5.076
MAS6	0.14	1.83	1313.2	4/13/2017 12:04	1.83	26.06	390.13	0.221	5.22	-0.101	0	0	40.17	0	0	0	0	151.8	11.61	2.57
MAS61	0.22	0.94	1342.96	4/13/2017 12:00	0.94	74.05	191.2	0.899	6.5	-0.274	0	0	26.06	0	0	0	0	114.1	13.921	1.676
MAS62	0.05	0.54	1378.98	4/13/2017 11:55	0.54	67.85	67.85	0.903	0.903	-0.476	0	0	17.46	0	0	0	0	14	1.461	4.846
MAS63	0.1	0.93	1324.42	4/13/2017 12:01	0.93	33.28	94.53	0.305	0.933	-10.622	0	0	11.07	0	0	0	0	32.35	0.897	2.922
MAS64	0.16	0.99	1351.44	4/13/2017 12:00	0.99	62	153.11	0.533	1.63	-3.334	0	0	48.01	0	0	0	0	38.99	3.296	3.927
MAS66	0.02	0.31	1308.37	4/13/2017 12:00	0.31	34.73	34.73	0.524	0.524	-1.255	0	0	20.69	0	0	0	0	9.26	1.126	3.751
MAS67	0.16	1.8	1308.88	4/13/2017 12:03	1.8	25.26	675.54	0.307	11.1	-0.144	0	0	23.2	0	0	0	0	174.98	19.682	3.861
MAS68	0.37	5.66	1336.66	4/13/2017 12:10	5.66	19.38	196.51	0.344	3.17	-0.309	0	0	18.34	0	0	0	0	59.69	5.597	3.292
MAS69	0.09	0.72	1307.85	4/13/2017 12:01	0.72	40.32	165.2	0.399	2.56	-0.531	0	0	19.28	0	0	0	0	62.6	3.475	2.639
MAS7	0.08	1.11	1333.98	4/13/2017 12:01	1.11	11.15	343.36	0.111	4.26	-0.11	0	0	57.89	0	0	0	0	121.03	9.858	2.837
MAS71	0.1	0.51	1340.51	4/13/2017 12:03	0.51	16.06	62.98	0.254	1.17	-0.803	0	0	17.49	0	0	0	0	17.86	1.982	3.526

Junctions SWMM 5-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
MAS73	0.27	1.77	1311.77	4/13/2017 12:12	1.77	56.48	285.89	0.57	10.6	-0.062	0	0	21.23	0	0	0	0	280.94	24.018	1.018
MAS74	0.06	0.35	1304.41	4/13/2017 12:00	0.35	52.94	52.94	0.631	0.631	-1.847	0	0	15.65	0	0	0	0	17.43	1.279	3.037
MAS75	0.08	1.2	1303.93	4/13/2017 12:00	1.19	20.26	91.38	0.268	1.25	-0.222	0	0	9.8	0	0	0	0	22.36	3.45	4.087
MAS76	0.1	0.77	1295.77	4/13/2017 12:03	0.77	51.13	207.43	0.497	3.07	-1.828	0	0	25.23	0	0	0	0	78.48	3.522	2.643
MAS77	0.36	1.55	1294.69	4/13/2017 12:28	1.55	24.6	188.85	0.287	13.2	-0.112	0	0	13.45	0	0	0	0	349.84	26.88	0.54
MAS79	0.05	0.92	1383.92	4/13/2017 11:57	0.92	35.09	116.38	0.29	1.13	-2.878	0	0	32.08	0	0	0	0	23.09	1.229	5.04
MAS8	0.15	2.08	1309.08	4/13/2017 12:04	2.08	12.76	409.64	0.148	5.8	-0.101	0	0	37.92	0	0	0	0	163.21	14.185	2.51
MAS81	0.04	0.55	1386.55	4/13/2017 11:55	0.54	38.62	38.62	0.461	0.461	-0.238	0	0	51.45	0	0	0	0	8.11	1.078	4.762
MAS82	0.03	0.41	1332.41	4/13/2017 11:55	0.41	60	60	0.754	0.754	-0.162	0	0	26.59	0	0	0	0	14.62	2.281	4.104
MAS83	0.05	0.72	1314.76	4/13/2017 12:00	0.72	17.52	76.02	0.219	0.974	-0.453	0	0	26.28	0	0	0	0	17.65	2.83	4.307
MAS84	0.03	0.57	1397.57	4/13/2017 11:55	0.57	82.78	82.78	0.836	0.836	-0.215	0	0	32.43	0	0	0	0	15.81	1.102	5.236
MAS85	0.06	0.51	1309.51	4/13/2017 12:00	0.51	44.97	44.97	0.484	0.484	-0.484	0	0	13.49	0	0	0	0	14.5	0.811	3.101
MAS86	0.16	1.46	1299.47	4/13/2017 12:04	1.46	38.63	902.89	0.536	17.9	-0.195	0	0	40.54	0	0	0	0	294.59	33.778	3.065
MAS87	0.09	1.15	1298.53	4/13/2017 12:04	1.15	17.6	912.59	0.229	18.2	-0.109	0	0	40.85	0	0	0	0	299.27	34.269	3.049
MAS88	0.15	1.69	1297.02	4/13/2017 12:05	1.69	48.72	947.6	0.556	18.9	-0.231	0	0	36.31	0	0	0	0	315.21	35.445	3.006
MAS89	0.06	0.7	1293.7	4/13/2017 12:00	0.7	36.86	81.02	0.368	0.854	-0.57	0	0	13.3	0	0	0	0	26.14	1.05	3.099
MAS9	0.1	1.31	1325.31	4/13/2017 12:02	1.31	15.91	354.38	0.118	4.38	-0.315	0	0	30.69	0	0	0	0	126.23	9.905	2.807
MAS90	0.2	1.05	1278.14	4/13/2017 12:08	1.05	45.02	379.07	0.417	18.4	-0.164	0	0	32.95	0	0	0	0	481.42	32.26	0.787
MAS91	0.31	2.27	1293.41	4/13/2017 12:05	2.27	62.86	967.75	0.746	19.7	-0.252	0	0	38.73	0	0	0	0	328.2	37.485	2.949
MAS92	0.48	1.68	1275.68	4/13/2017 12:08	1.68	32.51	440.85	0.318	19.6	-0.334	0	0	26.32	0	0	0	0	511.45	32.309	0.862
MAS93	0.01	0.39	1283.27	4/13/2017 12:00	0.39	43.52	70.01	0.473	0.824	-0.949	0	0	12.61	0	0	0	0	22.33	0.049	3.135
MAS95	0.45	2.47	1290.68	4/13/2017 12:06	2.47	31.82	981.36	0.341	20.1	-0.435	0	0	38.53	0	0	0	0	336.64	37.906	2.915
MAS96	0.03	0.34	1301.52	4/13/2017 12:01	0.34	7.58	28.62	0.103	0.347	-1.086	0	0	10.66	0	0	0	0	9.59	0.047	2.984
MAS97	0.03	0.24	1314.8	4/13/2017 12:00	0.24	9.27	9.27	0.099	0.099	-0.23	0	0	10.76	0	0	0	0	3.62	0.022	2.561
MAS99	0.03	0.6	1278.07	4/13/2017 12:00	0.6	38.69	38.69	0.461	0.461	-0.173	0	0	11.4	0	0	0	0	11.12	0.034	3.479
MASJ1021	0.13	0.59	1318.59	4/13/2017 13:55	0.59	28.12	36.51	0.489	1.5	-2.025	0	0	10.41	0	0	0	0	41.53	2.987	0.879
MASJ108	0.05	0.23	1313.71	4/13/2017 12:00	0.23	13.31	16.64	0.198	0.221	-2.429	0	0	7.77	0	0	0	0	11.33	1.773	1.469
MASJ1090	0.04	0.46	1372.94	4/13/2017 11:56	0.46	0	47.5	0	0.586	-0.787	0	0	22.54	0	0	0	0	9.01	1.501	5.272
MASJ110	0.02	0.23	1341.5	4/13/2017 11:55	0.23	22.11	22.11	0.365	0.365	-0.265	0	0	21.77	0	0	0	0	5.03	1.027	4.396
MASJ1111	0.01	0.13	1302.13	4/13/2017 12:00	0.13	15.54	15.54	0.184	0.184	-0.292	0	0	10.87	0	0	0	0	4.74	0.478	3.278
MASJ1119	1.87	3.17	1318.59	4/13/2017 13:54	3.17	0	31.99	0	1.53	-4.685	0	0	7.83	0	0	0	0	41.53	2.987	0.77
MASJ112	0	0.1	1330.49	4/13/2017 12:00	0.1	0	3.66	0	0.021	-9.833	0	0	7.9	0	0	0	0	8	1.566	0.458
MASJ114	0.04	0.33	1317.97	4/13/2017 11:55	0.33	28.39	61.48	0.452	1.01	-0.261	0	0	18.67	0	0	0	0	13.83	3.044	4.445
MASJ1141	1.15	2.49	1318.49	4/13/2017 14:09	2.49	33.89	50.13	0.588	2.71	-2.616	0	0	7.51	0	0	0	0	55.92	4.959	0.896
MASJ116	0.05	0.43	1301.04	4/13/2017 11:57	0.43	0	61.06	0	1.02	-0.522	0	0	12.57	0	0	0	0	13.83	3.044	4.415
MASJ1161	0.32	1.79	1326.14	4/13/2017 12:29	1.79	0	60.29	0	1.03	-10.655	0	0	12.21	0	0	0	0	17.81	0.868	3.385
MASJ117	0.03	0.41	1329.15	4/13/2017 11:55	0.4	9.1	9.1	0.133	0.133	-0.251	0	0	8.59	0	0	0	0	1.92	0.307	4.74
MASJ1171	0	0.16	1326.14	4/13/2017 12:29	0.16	0	7.21	0	0.072	-0.821	0	0	7.84	0	0	0	0	17.81	0.868	0.405
MASJ119	0.38	1.11	1324.91	4/13/2017 12:07	1.11	0	16.88	0	1.43	-0.488	0	0	7.89	0	0	0	0	23.2	1.538	0.728
MASJ121	0.12	0.49	1324.24	4/13/2017 12:08	0.49	0	16.65	0	1.44	-0.314	0	0	7.51	0	0	0	0	23.2	1.538	0.718
MASJ122	0.21	0.93	1316.93	4/13/2017 12:03	0.93	15.06	30.75	0.23	1.77	-0.478	0	0	9.07	0	0	0	0	30.78	1.792	0.999
MASJ124	0.38	1.56	1315.58	4/13/2017 12:09	1.56	0	266.88	0	9.14	-0.163	0	0	11.44	0	0	0	0	241.71	9.782	1.104
MASJ126	0.05	0.7	1327.7	4/13/2017 12:00	0.7	10.86	19.69	0.144	0.278	-0.771	0	0	8.3	0	0	0	0	4.31	0.446	4.568
MASJ127	0.11	1.36	1327.36	4/13/2017 12:00	1.36	16.61	36.16	0.209	0.489	-0.617	0	0	7.64	0	0	0	0	7.96	0.533	4.543
MASJ128	0.09	1.6	1327.3	4/13/2017 12:00	1.6	0	36	0	0.492	-0.262	0	0	7.4	0	0	0	0	7.96	0.533	4.523
MASJ129	0.08	0.82	1326.36	4/13/2017 12:00	0.82	10.72	26.27	0.146	0.553	-0.308	0	0	8.18	0	0	0	0	10.44	0.652	2.516
MASJ130	0.27	1.46	1325.76	4/13/2017 12:18	1.46	17.07	17.07	0.267	1.35	-0.233	0	0	7.54	0	0	0	0	21.93	1.36	0.778
MASJ132	0.34	1.7	1325.75	4/13/2017 12:18	1.7	0	14.68	0	1.33	-0.337	0	0	7.3	0	0	0	0	21.93	1.36	0.669
MASJ133	0.27	1.02	1325.02	4/13/2017 12:06	1.02	5.97	17.52	0.086	1.42	-0.427	0	0	7.98	0	0	0	0	23.2	1.538	0.755
MASJ135	0.03	0.29	1327.12	4/13/2017 11:55	0.29	8.03	8.03	0.09	0.09	-1.701	0	0	9.71	0	0	0	0	5.78	0.532	1.389
MASJ1351	0.01	0.07	1325.73	4/13/2017 0:00	0.07	0	0	0	0	-99.98	0	0	11.93	0	0	0	0	7.96	0.533	0
MASJ1352	0.01	0.39	1325.31	4/13/2017 12:01	0.38	0	20.42	0	0.087	2.924	0	0	9.61	0	0	0	0	7.96	0.533	2.565
MASJ136	0.01	0.07	1325.7	4/13/2017 0:00	0.06	0	0	0	0	-99.981	0	0	8.93	0	0	0	0	12.31	0.763	0
MASJ1361	0.15	0.63	1319.63	4/13/2017 12:03	0.63	0	19.84	0	1.52	-0.902	0	0	7.37	0	0	0	0	24.3	1.614	0.816
MASJ1362	0	0.05	1325.51	4/13/2017 0:00	0.04	0	0	0	0	-99.776	0	0	6.95	0	0	0	0	23.2	1.538	0
MASJ137	0.13	0.53	1317.16	4/13/2017 12:07	0.53	0	19.87	0	1.53	-0.65	0	0	7.47	0	0	0	0	24.3	1.614	0.818
MASJ140	2.63	10.19	1244.19	4/13/2017 16:09	10.18	4.13	19758.39	0.063	1950	0.015	0	0	18.81	0	0	0	0	4013.66	315.389	4.923
MASJ1801	0.08	0.48	1331.19	4/13/2017 11:55	0.48	16.39	38	0.212	0.578	-0.779	0	0	21.52	0	0	0	0	8	1.566	4.75
MASJ1803	0.03	0.27	1302.92	4/13/2017 12:00	0.27	18.77	34.43	0.342	0.568	-1.828	0	0	9.73	0	0	0	0	16.41	2.581	2.098
MASJ1848	0.1	0.64	1288.47	4/13/2017 12:00	0.64	0	59.96	0	1.02	-0.456	0	0	20.36	0	0	0	0	13.83	3.044	4.336

Junctions SWMM 5-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
MASJ2123	0.13	1.46	1347.46	4/13/2017 12:00	1.46	0	151.54	0	2.05	-0.255	0	0	30.54	0	0	0	0	33.5	4.922	4.524
MASJ2149	0.08	0.82	1354.45	4/13/2017 12:00	0.82	18.73	151.57	0.259	2.05	-0.141	0	0	31.18	0	0	0	0	33.5	4.922	4.524
MASJ2187	0.21	1.25	1363.8	4/13/2017 11:59	1.25	30.3	135.86	0.389	1.78	-0.648	0	0	19.75	0	0	0	0	29.1	4.329	4.669
MASJ2191	0.13	1.59	1384.25	4/13/2017 11:55	1.59	28.53	28.53	0.392	0.392	-0.023	0	0	7.41	0	0	0	0	6.1	1.352	4.677
MASJ2703	0.06	0.53	1372	4/13/2017 11:56	0.53	35.61	108.96	0.393	1.38	-0.787	0	0	22.47	0	0	0	0	21.63	3.631	5.037
MASJ2769	0.04	0.26	1319.13	4/13/2017 12:09	0.26	0	18.36	0	0.848	-0.615	0	0	12.74	0	0	0	0	31.78	2.037	0.578
MASJ2814	0.06	0.35	1323.35	4/13/2017 12:34	0.35	5.87	7.2	0.069	0.143	-3.11	0	0	9.65	0	0	0	0	24.21	1.67	0.297
MASJ2948	0.17	2.07	1255.07	4/13/2017 12:03	2.07	47.38	383.25	0.646	5.92	-0.246	0	0	12.93	0	0	0	0	115.15	18.17	3.328
MASJ3041	7.47	18.99	1242.49	4/13/2017 16:12	18.98	7.79	20611.62	0.081	1910	0.035	0	0	32.01	0	0	0	0	4058.5	317.96	5.079
MASJ888	0.04	0.23	1322.11	4/13/2017 12:00	0.23	7.97	13.76	0.107	0.255	1.416	0	0	9.77	0	0	0	0	25.95	1.79	0.53
MASJ916	0.01	0.19	1324.19	4/13/2017 12:32	0.19	0	7.2	0	0.072	-2.575	0	0	8.81	0	0	0	0	23.2	1.538	0.31
MASJ929	0.08	0.56	1319.49	4/13/2017 11:59	0.56	0	7.75	0	0.092	-4.337	0	0	12.44	0	0	0	0	5.78	0.532	1.341
MASJ95	0.03	0.41	1380.96	4/13/2017 11:55	0.41	0	47.89	0	0.585	-0.22	0	0	20.59	0	0	0	0	9.01	1.501	5.315
PostOakIntoCity	0.83	3.22	1311.22	4/13/2017 13:30	3.22	2394.38	2394.38	142	142	0.006	0	0	22.78	0	0	0	0	0	0	0
J908	0.19	0.88	1346.9	4/13/2017 12:00	0.88	60.52	60.52	1.14	1.14	-1.406	0	0	23.12	0	0	0	0	17.87	2.405	3.387
J149	0.17	1.58	1336.58	4/13/2017 12:07	1.58	0	58.5	0	1.16	1.325	0	0	22.42	0	0	0	0	17.87	2.405	3.274
MAS78_DS	3.07	3.82	1352.82	4/13/2017 12:00	3.82	0	59.54	0	0.647	-1.204	0	0	46.18	0	0	0	0	14.67	0.767	4.059
J73	0.18	1.12	1305.12	4/13/2017 12:26	1.12	43.19	109.12	0.561	4.42	-0.355	0	0	12.88	0	0	0	0	77.13	4.449	1.415
1	0.03	0.24	1311.83	4/13/2017 12:00	0.24	0	9.2	0	0.099	-0.612	0	0	10.76	0	0	0	0	3.62	0.022	2.541
3	0.04	0.31	1305.98	4/13/2017 12:00	0.3	12.61	21.45	0.142	0.241	-0.777	0	0	10.69	0	0	0	0	7.14	0.022	3.004
J72	0.46	3.77	1310.77	4/13/2017 12:24	3.77	30.11	105.18	0.368	3.58	-0.25	0	0	12.23	0	0	0	0	63.54	3.179	1.655
J2828	2.39	9.25	1258.57	4/13/2017 15:44	9.14	0	17273.83	0	1730	0.005	0	0	44.75	0	0	0	0	1458.2	102.249	11.846
J2780	2.91	9.65	1258.15	4/13/2017 15:43	9.45	0	25515.08	0	1730	0.027	0	0	19.35	0	0	0	0	1458.2	102.249	17.498
MAS42	0.37	2.83	1350.83	4/13/2017 12:00	2.83	11.98	73.1	0.157	1.2	0.246	0	0	8.17	0	0	0	0	22.67	1.802	3.225

Junctions SWMM 10-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
AmmanLWCDS	0.11	0.82	1362.27	4/13/2017 12:10	0.82	0	362.36	0	3.81	-14.531	0	0	24.18	0	0	0	0	256.244	4.15	1.414
AmmanLWCUS	0.02	0.4	1362.4	4/13/2017 12:00	0.4	363.15	363.15	3.81	3.81	-0.01	0	0	8.6	0	0	0	0	256.244	4.15	1.417
BalcIntoCity	2.36	8.12	1288.12	4/13/2017 15:30	8.12	9973.09	9973.09	947	947	0.016	0	0	26.88	0	0	0	0	0	0	0
CibIntoCity	4.52	14.08	1290.08	4/13/2017 14:36	14.08	19851.99	19851.99	1960	1960	0.021	0	0	27.92	0	0	0	0	5.04	0	3938.887
F1	0.22	0.9	1340.84	4/13/2017 12:00	0.9	0	66.31	0	4.13	-0.122	0	0	13.1	0	0	0	0	55.08	4.06	1.204
f14	0.62	3.17	1369.17	4/13/2017 12:21	3.17	0	40.96	0	0.827	-0.45	0	0	5.83	0	0	0	0	11.35	0.809	3.609
f15	0.07	0.3	1366.07	4/13/2017 12:22	0.3	0	13.53	0	0.831	-0.204	0	0	8.7	0	0	0	0	11.35	0.809	1.192
F3	0.8	3.67	1350.67	4/13/2017 12:23	3.67	0	73.94	0	2.32	-1.652	0	0	9.33	0	0	0	0	32.1	1.839	2.303
F4	0.13	0.47	1346.3	4/13/2017 12:23	0.46	0	43.39	0	2.36	-0.052	0	0	8.53	0	0	0	0	32.1	1.839	1.352
f5	0.43	2.56	1363.1	4/13/2017 12:47	2.56	0	13.43	0	0.832	-0.545	0	0	6.44	0	0	0	0	11.35	0.809	1.183
f6	0.1	0.25	1359.57	4/13/2017 12:47	0.25	0	8.28	0	0.837	-0.221	0	0	10.75	0	0	0	0	11.35	0.809	0.73
f7	0.64	2.6	1358.6	4/13/2017 12:52	2.6	0	8.27	0	0.839	-1.548	0	0	8.4	0	0	0	0	11.35	0.809	0.729
f8	0.05	0.19	1355.63	4/13/2017 12:53	0.19	0	8.09	0	0.852	-0.282	0	0	9.81	0	0	0	0	11.35	0.809	0.713
f9	0.1	0.29	1347.47	4/13/2017 12:54	0.29	0	8.08	0	0.854	-1.17	0	0	9.71	0	0	0	0	11.35	0.809	0.712
GR1	0.31	1.16	1374.16	4/13/2017 12:00	1.16	0	102.65	0	1.26	-2.916	0	0	17.84	0	0	0	0	22.85	2.809	4.492
GR10	0.38	5.68	1289.86	4/13/2017 12:07	5.68	0	505.83	0	7.74	0.927	0	0	13.32	0	0	0	0	101.24	8.943	4.996
GR11	0.36	5.03	1344.03	4/13/2017 12:02	5.02	0	71.56	0	1.03	-0.716	0	0	21.97	0	0	0	0	13.01	1.687	5.5
GR12	0.26	1.83	1278.83	4/13/2017 12:20	1.82	0	530.94	0	21	-0.038	0	0	20.17	0	0	0	0	273.04	25.157	1.945
GR13	0.75	6.53	1284.53	4/13/2017 12:20	6.49	0	577.29	0	21	-0.163	0	0	13.47	0	0	0	0	273.04	25.157	2.114
gr14	0.24	3.06	1300.06	4/13/2017 12:03	3.06	23.81	504.47	0.315	16.6	0.01	0	0	20.94	0	0	0	0	219.11	18.599	2.302
gr15	0.7	2.88	1298.25	4/13/2017 12:04	2.88	0	501.48	0	16.6	-0.115	0	0	14.12	0	0	0	0	219.11	18.599	2.289
gr16	0.23	2.36	1295.36	4/13/2017 12:04	2.36	35.29	584.65	0.428	19	-0.012	0	0	22.64	0	0	0	0	248.91	22.713	2.349
gr17	0.31	3.39	1295.39	4/13/2017 12:04	3.37	0	628.93	0	19	-0.016	0	0	21.61	0	0	0	0	248.91	22.713	2.527
gr18	0.42	2.39	1293.39	4/13/2017 12:05	2.38	0	595.03	0	19	-0.058	0	0	21.61	0	0	0	0	248.91	22.713	2.391
gr19	0.81	3.52	1292.72	4/13/2017 12:05	3.52	0	585	0	19.1	-0.092	0	0	20.48	0	0	0	0	248.91	22.713	2.35
gr20	0.3	1.54	1289.84	4/13/2017 12:05	1.54	0	584.69	0	19.1	-0.034	0	0	22.46	0	0	0	0	248.91	22.713	2.349
gr21	0.3	2.2	1289.6	4/13/2017 12:06	2.2	69.3	619.89	0.939	20	-0.095	0	0	23.8	0	0	0	0	261.54	23.729	2.37
GR4	1.7	3.13	1347.13	4/13/2017 12:00	3.13	0	270.01	0	3.34	-0.814	0	0	34.87	0	0	0	0	58.76	7.319	4.595
GR5	0.13	1.73	1343.82	4/13/2017 12:00	1.73	0	269.94	0	3.37	-0.255	0	0	11.27	0	0	0	0	58.76	7.319	4.594
GR7	0.15	1.63	1314.67	4/13/2017 12:03	1.63	57.94	451.4	0.8	6.7	-0.016	0	0	15.37	0	0	0	0	113.07	16.258	3.992
GR8	0.36	3.29	1317.29	4/13/2017 12:03	3.29	0	419.49	0	5.89	-0.169	0	0	11.71	0	0	0	0	102.56	13.732	4.09
GR9	0.18	1.69	1320.11	4/13/2017 12:03	1.69	0	430.54	0	5.87	-0.444	0	0	13.31	0	0	0	0	102.56	13.732	4.198
J_0406_3	0.11	0.73	1261.67	4/13/2017 12:01	0.73	0	90.82	0	1.47	-1.764	0	0	24.27	0	0	0	0	19.23	2.117	4.723
J1	0.2	2.19	1372.02	4/13/2017 11:54	2.18	18.24	137.53	0.269	2.12	-0.116	0	0	33.81	0	0	0	0	50.69	6.821	2.713
J10	0.15	1.1	1282.21	4/13/2017 12:04	1.1	0	62.75	0	0.987	-0.13	0	0	9.9	0	0	0	0	21.19	2.268	2.961
J100	0.03	0.27	1292.16	4/13/2017 12:23	0.27	0	87.89	0	2.33	-1.931	0	0	66.73	0	0	0	0	48.41	1.547	1.816
J1000	0.09	0.37	1294.14	4/13/2017 12:07	0.37	19.21	34.88	0.286	1.09	-1.188	0	0	9.63	0	0	0	0	20.49	0.368	1.702
J1004	0.06	0.67	1305.75	4/13/2017 12:02	0.67	39.86	77.78	0.577	1.2	-1.171	0	0	19.33	0	0	0	0	18.35	0.87	4.239
J101	0.17	0.6	1318.6	4/13/2017 13:50	0.6	15.17	22.51	0.264	0.515	-8.043	0	0	9.4	0	0	0	0	4.88	0.835	4.613
J1012	0.24	1.57	1296.98	4/13/2017 12:08	1.57	21.79	343.85	0.283	11.6	-0.791	0	0	38.43	0	0	0	0	247.57	9.943	1.389
J1016	0.06	0.49	1304.49	4/13/2017 12:05	0.49	0	76.93	0	1.14	-1.597	0	0	18.51	0	0	0	0	24.07	1.511	3.196
J102	0.03	0.45	1309.45	4/13/2017 12:07	0.45	151.03	162.54	1.63	1.91	-1.982	0	0	64.55	0	0	0	0	40.12	1.4	4.051
J1023	0.04	0.59	1300.95	4/13/2017 12:00	0.58	73.53	73.53	1.3	1.3	-0.284	0	0	9.41	0	0	0	0	18.28	1.363	4.022
J1027	0.26	2.25	1323.25	4/13/2017 12:19	2.25	61.61	227.76	1.02	4.99	0.121	0	0	9.75	0	0	0	0	67.92	5.397	3.353
J1031	0.09	0.8	1309.39	4/13/2017 11:55	0.8	27.87	130.77	0.333	1.79	-0.922	0	0	23.2	0	0	0	0	23.52	2.333	5.56
J1033	0.11	0.44	1298.44	4/13/2017 12:07	0.44	26.72	82.63	0.46	1.69	-1.181	0	0	14.56	0	0	0	0	25.09	1.179	3.293
J1037	0.4	1.01	1300.2	4/13/2017 12:02	1.01	34.5	104.54	0.761	2.06	-1.429	0	0	9.99	0	0	0	0	36.4	2.65	2.872
J104	3.21	4.24	1312.09	4/13/2017 12:35	4.24	45.03	110.09	0.623	1.37	143.274	0	0	23.76	0	0	0	0	15.04	1.925	7.32
J1043	0.06	0.73	1337.5	4/13/2017 12:00	0.73	103.66	103.66	1.56	1.56	-0.125	0	0	18.27	0	0	0	0	23.4	0.423	4.43
J1045	0.04	0.57	1297.91	4/13/2017 12:03	0.57	36.51	126.88	0.483	2.58	-0.251	0	0	12.43	0	0	0	0	43.7	2.65	2.903
J1047	0.11	0.79	1290.79	4/13/2017 12:04	0.79	16.79	111.83	0.199	2.34	-0.533	0	0	14.21	0	0	0	0	35.14	0.809	3.182
J1049	0.06	0.62	1321.8	4/13/2017 11:55	0.61	104.27	104.27	1.46	1.46	-0.081	0	0	23.38	0	0	0	0	19.02	2.028	5.482
J1053	0.07	0.4	1299.21	4/13/2017 12:06	0.4	27.09	85.22	0.437	1.6	-2.763	0	0	12.6	0	0	0	0	29.96	2.065	2.844
J106	0.19	0.71	1312.1	4/13/2017 12:37	0.71	97.43	97.43	1.42	1.98	1.06	0	0	27.29	0	0	0	0	38.73	4.016	2.516
J1060	0.06	0.17	1311.77	4/13/2017 13:17	0.17	0	66.94	0	8.31	-0.022	0	0	44.83	0	0	0	0	123.84	10.356	0.541
J1069	0.03	0.24	1296.04	4/13/2017 11:55	0.24	14.22	14.22	0.326	0.326	-1.256	0	0	12.76	0	0	0	0	4.91	0.289	2.896
J107	0.14	0.57	1329.57	4/13/2017 12:08	0.57	0	52.25	0	1.55	-0.164	0	0	24.43	0	0	0	0	20.48	2.44	2.551
J1074	0.08	0.6	1289.94	4/13/2017 12:17	0.6	0	34.45	0	1.1	-0.162	0	0	12.4	0	0	0	0	20.49	0.368	1.681

Junctions SWMM 10-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J108	0.17	0.67	1334.03	4/13/2017 12:07	0.67	0	46.31	0	1.37	-0.014	0	0	9.33	0	0	0	0	17.87	2.405	2.591
J1083	0.05	0.71	1319.81	4/13/2017 12:00	0.71	29.59	132.3	0.433	1.99	-0.465	0	0	22.29	0	0	0	0	29.26	0.902	4.522
J1085	0.05	0.43	1308.43	4/13/2017 12:08	0.43	19.44	42.92	0.304	1.23	-1.385	0	0	15.57	0	0	0	0	16.26	1.755	2.64
J109	0.06	0.55	1311.81	4/13/2017 12:01	0.55	76.1	92.8	0.855	2.07	-0.922	0	0	30.45	0	0	0	0	57.55	4.171	1.613
J1093	0.09	0.53	1307.55	4/13/2017 12:00	0.53	31.06	31.06	0.513	0.513	-2.272	0	0	15.47	0	0	0	0	7.23	0.48	4.296
J1095	0.01	0.2	1291.6	4/13/2017 12:02	0.2	22.3	31.03	0.341	0.489	-6.078	0	0	13.8	0	0	0	0	7.36	0.133	4.216
J11	2.8	9.94	1286.94	4/13/2017 15:32	9.94	39.8	9972.49	0.499	947	0.038	0	0	26.06	0	0	0	0	20.28	0.046	491.74
J110	0.19	1.93	1332.93	4/13/2017 12:07	1.92	15.44	53.52	0.179	1.55	-0.054	0	0	8.07	0	0	0	0	20.48	2.44	2.613
J1100	0.03	0.22	1293.22	4/13/2017 12:02	0.22	10.07	24.81	0.215	0.545	-1.882	0	0	12.78	0	0	0	0	8.43	0.289	2.943
J1102	0.09	0.41	1286.02	4/13/2017 12:04	0.41	41.46	55.91	0.657	1.4	-2.111	0	0	11.59	0	0	0	0	21.1	0.504	2.65
J1104	1.92	7.21	1286.36	4/13/2017 13:36	7.21	45.36	4173.97	0.353	279	-0.003	0	0	39.79	0	0	0	0	597.72	24.663	6.983
J1106	0.58	2.11	1286.26	4/13/2017 12:09	2.11	0	345.49	0	26	0.026	0	0	18.89	0	0	0	0	1456.34	32.095	0.237
J1110	2.04	9.4	1290.4	4/13/2017 13:35	9.4	102.15	4174.65	1.21	279	-0.002	0	0	37.6	0	0	0	0	588.3	24.617	7.096
J1112	0.22	3.76	1316.76	4/13/2017 12:06	3.76	0	130.49	0	2	-0.128	0	0	19.24	0	0	0	0	29.26	0.902	4.46
J1117	0.06	0.49	1286.49	4/13/2017 12:03	0.49	26.99	41.7	0.348	1.45	-1.266	0	0	13.51	0	0	0	0	25.72	0.368	1.621
J112	3.32	12.43	1246.23	4/13/2017 15:43	12.4	9.62	28805.23	0.123	3300	-0.024	0	0	17.57	0	0	0	0	4030.57	317.402	7.147
J1121	0.15	0.53	1319.58	4/13/2017 12:00	0.53	31.85	31.85	0.437	0.437	-3.878	0	0	17.47	0	0	0	0	6.42	0.138	4.961
J113	0.17	0.95	1321.89	4/13/2017 11:57	0.95	45.09	45.09	0.629	0.629	-0.847	0	0	8.05	0	0	0	0	8.41	0.726	5.361
J1133	0.05	0.32	1292.56	4/13/2017 12:02	0.32	9.42	30.55	0.14	0.696	-1.857	0	0	12.68	0	0	0	0	10.43	0.387	2.929
J1138	3.3	10.05	1283.51	4/13/2017 14:41	10.05	78.13	19893.36	0.949	1980	0.049	0	0	37.95	0	0	0	0	417.98	22.75	47.594
J1140	0.05	0.44	1282.55	4/13/2017 12:10	0.44	0	55.76	0	1.43	-1.163	0	0	12.56	0	0	0	0	21.1	0.504	2.643
J1143	3.03	10.64	1284.89	4/13/2017 14:41	10.64	35.33	19894.62	0.401	1980	0.044	0	0	33.36	0	0	0	0	401.95	21.079	49.495
J1149	0.42	1.65	1283.74	4/13/2017 12:11	1.65	13.83	352.12	0.241	26.3	0.045	0	0	19.35	0	0	0	0	1460.15	32.095	0.241
J115	0.1	0.56	1319.31	4/13/2017 12:00	0.56	19.72	64.8	0.322	0.956	-1.56	0	0	20.44	0	0	0	0	12.62	1.214	5.135
J1151	0.08	0.97	1292.97	4/13/2017 12:00	0.97	21.12	116.9	0.301	2.56	-0.13	0	0	25.03	0	0	0	0	36.15	1.864	3.234
J1153	0.02	0.25	1289.25	4/13/2017 12:00	0.25	16.4	16.4	0.143	0.143	-3.835	0	0	15.75	0	0	0	0	9.19	0	1.785
J1155	0.54	2.27	1282.28	4/13/2017 12:13	2.27	12.75	370.36	0.16	27	0.018	0	0	14.73	0	0	0	0	1470.98	32.095	0.252
J1157	0.03	0.36	1316.37	4/13/2017 12:04	0.36	26.5	42.67	0.509	0.753	-2.487	0	0	12.64	0	0	0	0	10.98	0.546	3.886
J116	0.24	3.98	1262.98	4/13/2017 12:04	3.98	0	151.18	0	2.43	-0.019	0	0	20.02	0	0	0	0	50.9	4.137	2.97
J1161	0.21	0.92	1287.17	4/13/2017 12:29	0.92	8.42	113.62	0.143	5.24	-0.482	0	0	19.08	0	0	0	0	109.77	3.918	1.035
J1163	0.06	0.7	1294.76	4/13/2017 11:55	0.7	60.67	60.67	0.854	0.854	-1.084	0	0	21.3	0	0	0	0	11.44	1.002	5.303
J1168	0.04	0.32	1314.32	4/13/2017 12:13	0.32	13.54	41.83	0.354	1.13	-1.604	0	0	35.68	0	0	0	0	18.24	1.619	2.293
J117	0.04	0.59	1257.71	4/13/2017 12:07	0.59	0	143.61	0	2.43	-4.157	0	0	25.41	0	0	0	0	50.9	4.137	2.821
J1170	0.09	0.59	1310.59	4/13/2017 12:10	0.59	0	66.29	0	1.86	-0.437	0	0	22.41	0	0	0	0	25.95	1.273	2.555
J1178	0.44	1.73	1282.73	4/13/2017 12:12	1.73	41.02	367.32	0.554	26.8	0.012	0	0	15.27	0	0	0	0	1468.58	32.095	0.25
J1182	0.03	0.36	1316.94	4/13/2017 11:55	0.36	15.58	15.58	0.24	0.24	-1.531	0	0	12.64	0	0	0	0	3.68	0.028	4.234
J1185	0.5	1.64	1276.64	4/13/2017 12:18	1.64	27.3	462.16	0.338	30.8	-0.001	0	0	25.36	0	0	0	0	1532.58	32.968	0.302
J1190	4.19	14.15	1283.15	4/13/2017 14:42	14.15	80.89	19890.14	1.02	1980	0.048	0	0	34.85	0	0	0	0	435	23.363	45.724
J1192	0.9	5.18	1315.07	4/13/2017 12:07	5.18	93.31	124.52	1.39	1.84	-0.95	0	0	12.82	0	0	0	0	25.95	1.273	4.798
J1197	0.09	0.61	1285.67	4/13/2017 12:21	0.61	34.3	96.32	0.556	2.92	-1.247	0	0	13.39	0	0	0	0	49.09	2.452	1.962
J1199	0.37	1.44	1275.76	4/13/2017 12:18	1.44	0	462.02	0	30.8	0.019	0	0	29.56	0	0	0	0	1532.58	32.968	0.301
J12	0.15	1.95	1284.95	4/13/2017 12:04	1.95	0	80.55	0	0.984	-0.336	0	0	10.05	0	0	0	0	21.19	2.268	3.801
J120	1.87	2.74	1274.74	4/13/2017 12:02	2.74	0	191.94	0	9.59	-0.252	0	0	9.26	0	0	0	0	177.14	7.223	1.084
J1203	0.08	0.61	1341.33	4/13/2017 12:00	0.61	58.93	58.93	0.807	0.807	-1.214	0	0	18.39	0	0	0	0	17.55	0	3.358
J121	0.15	0.87	1273.09	4/13/2017 12:04	0.87	0	192.53	0	9.61	-0.046	0	0	11.13	0	0	0	0	177.14	7.223	1.087
J1212	0.04	0.49	1289.61	4/13/2017 12:00	0.49	31.57	31.57	0.482	0.482	-1.686	0	0	10.51	0	0	0	0	7.08	0.228	4.459
J122	0.19	0.85	1271.85	4/13/2017 12:09	0.85	0	119.56	0	3.2	-2.711	0	0	14.15	0	0	0	0	44.12	4.437	2.71
J1223	1.08	5.3	1282.55	4/13/2017 13:37	5.3	29.17	4173.01	0.273	280	0	0	0	22.7	0	0	0	0	618.01	24.663	6.752
J1227	0.04	0.46	1289.4	4/13/2017 12:00	0.46	64.58	64.58	1.01	1.01	-0.874	0	0	12.54	0	0	0	0	15.03	1.204	4.297
J123	1.74	4.5	1261.57	4/13/2017 12:42	4.5	22.43	917.96	0.306	58.5	-0.086	0	0	15.5	0	0	0	0	1990.45	52.764	0.461
J1232	0.02	0.28	1278.27	4/13/2017 12:02	0.28	17.98	120.47	0.213	2.34	-0.673	0	0	10.72	0	0	0	0	34.29	1.802	3.513
J1234	0.11	0.69	1294.53	4/13/2017 12:11	0.69	75.65	98.6	1.16	3.03	-0.914	0	0	22.31	0	0	0	0	42.42	2.148	2.324
J1236	1.58	6.13	1282.13	4/13/2017 13:38	6.13	0	4172.39	0	280	-0.004	0	0	21.87	0	0	0	0	618.01	24.663	6.751
J1238	0.05	0.32	1330.32	4/13/2017 12:00	0.32	24.87	24.87	0.387	0.387	-1.831	0	0	18.68	0	0	0	0	6.01	0	4.138
J1240	0.04	0.37	1279	4/13/2017 12:00	0.37	53.6	53.6	0.821	0.821	-1.342	0	0	15.63	0	0	0	0	13.02	0.028	4.117
J1242	0.06	0.25	1310.79	4/13/2017 11:55	0.25	12.64	12.64	0.202	0.202	-0.245	0	0	7.75	0	0	0	0	3.13	0.756	4.038
J1245	0.04	0.6	1323.6	4/13/2017 12:01	0.6	53.92	160.3	0.876	2.67	-0.396	0	0	13.4	0	0	0	0	44.22	0.646	3.625
J1249	0.2	1.33	1312.45	4/13/2017 12:15	1.33	15.69	125.2	0.235	3.87	-0.165	0	0	15.67	0	0	0	0	57.98	2.554	2.159

Junctions SWMM 10-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J125	0.46	1.65	1269.39	4/13/2017 12:59	1.65	0	122.59	0	1.82	3.956	0	0	9.35	0	0	0	0	25.68	0.026	4.774
J1255	5.11	15.69	1282.81	4/13/2017 14:43	15.69	36.35	19884.81	0.304	1980	0.099	0	0	36.31	0	0	0	0	441.33	23.472	45.057
J1259	0.01	0.1	1314.6	4/13/2017 12:00	0.1	9.72	9.72	0.179	0.179	-0.863	0	0	9.9	0	0	0	0	3.74	0.28	2.599
J1269	0.09	0.58	1282.19	4/13/2017 12:02	0.58	41.34	109.15	0.607	2.12	-0.514	0	0	10.42	0	0	0	0	30.83	1.802	3.54
J1271	3.47	12.46	1276.46	4/13/2017 14:46	12.46	45.83	19870.59	0.563	1980	0.069	0	0	42.54	0	0	0	0	590.85	33.302	33.631
J1279	1.13	3.76	1273.76	4/13/2017 12:29	3.76	16.77	580.91	0.128	37.1	-0.006	0	0	22.24	0	0	0	0	1634.32	37.221	0.355
J1283	1.58	4.2	1273.74	4/13/2017 12:29	4.2	17.56	578.94	0.205	37.3	-0.015	0	0	28.8	0	0	0	0	1637.95	37.221	0.353
J1285	0.26	1.92	1293.8	4/13/2017 12:30	1.92	23	105.5	0.359	3.41	-0.19	0	0	17.08	0	0	0	0	47.1	2.716	2.24
J1287	5.93	16.41	1282.62	4/13/2017 14:43	16.41	72.03	19879.97	0.849	1980	0.095	0	0	45.59	0	0	0	0	456.3	23.87	43.568
J1289	0.08	0.39	1311.41	4/13/2017 12:00	0.39	58.93	75.66	0.857	1.25	-0.823	0	0	9.61	0	0	0	0	23.66	3.343	3.198
J1291	3.53	12.32	1275.82	4/13/2017 14:46	12.32	17.04	19866.14	0.199	1980	0.044	0	0	42.68	0	0	0	0	594.66	33.302	33.408
J1293	0.04	0.28	1314.28	4/13/2017 12:02	0.28	14.37	23.5	0.202	0.383	-2.479	0	0	9.72	0	0	0	0	7.06	0.861	3.329
J1295	0.1	0.48	1290.16	4/13/2017 12:25	0.48	15.15	64.63	0.271	4.06	-0.091	0	0	18.52	0	0	0	0	56.32	4.431	1.148
J1297	1.25	6.08	1280.08	4/13/2017 13:39	6.08	35.18	4172.29	0.333	280	-0.003	0	0	11.92	0	0	0	0	628.7	25.017	6.636
J1299	0.15	0.6	1283.6	4/13/2017 12:04	0.6	25.03	77.33	0.294	4.36	-1.468	0	0	24.4	0	0	0	0	68.95	5.012	1.122
J13	0.08	0.66	1376.74	4/13/2017 12:00	0.66	26.34	70.61	0.334	1.48	-1.156	0	0	16.34	0	0	0	0	19.07	3.526	3.703
J1301	0.97	3.58	1268.64	4/13/2017 12:30	3.58	44.49	601.01	0.614	39	-0.017	0	0	21.42	0	0	0	0	1666.89	37.553	0.361
J1305	0.15	1.02	1299.02	4/13/2017 12:01	1.02	44.87	114.51	0.565	2.03	-0.252	0	0	16.98	0	0	0	0	36.12	5.958	3.17
J1307	0.12	0.82	1295.63	4/13/2017 12:01	0.82	21.36	119.47	0.285	2.32	-0.198	0	0	25.18	0	0	0	0	40.66	6.974	2.938
J1309	0.06	0.51	1314.13	4/13/2017 12:00	0.51	16.95	50.08	0.217	0.725	-1.027	0	0	20.49	0	0	0	0	13.41	0	3.735
J131	0.09	0.39	1266.24	4/13/2017 12:00	0.39	36.22	38.36	0.633	2.38	-0.48	0	0	22.61	0	0	0	0	34.94	0.603	1.098
J1316	1.33	6.1	1279.13	4/13/2017 13:39	6.1	15.23	4171.34	0.139	280	-0.006	0	0	13.9	0	0	0	0	633.8	25.017	6.581
J1318	0.02	0.38	1317.89	4/13/2017 12:01	0.38	9.74	34.65	0.144	0.5	-1.488	0	0	20.62	0	0	0	0	9.44	0	3.671
J1324	0.94	4.01	1304.03	4/13/2017 12:51	4.01	0	113.25	0	5.32	-0.851	0	0	14.99	0	0	0	0	77.13	4.449	1.468
J133	0.07	0.58	1297.28	4/13/2017 12:07	0.58	0	80.79	0	1.71	-0.312	0	0	23.42	0	0	0	0	25.09	1.179	3.22
J1330	0.3	3.03	1304.03	4/13/2017 12:51	3.03	0	128.59	0	5.32	0.144	0	0	14.97	0	0	0	0	77.13	4.449	1.667
J1332	0.08	0.74	1290.36	4/13/2017 12:00	0.74	17.02	130.13	0.16	2.49	-0.144	0	0	33.26	0	0	0	0	43.69	7.472	2.978
J1334	0.07	0.67	1287.78	4/13/2017 12:01	0.67	0	129.76	0	2.49	-0.13	0	0	33.33	0	0	0	0	43.69	7.472	2.97
J1336	0.01	0.32	1326.71	4/13/2017 12:00	0.32	25.78	25.78	0.353	0.353	-0.8	0	0	17.68	0	0	0	0	7.22	0	3.571
J1344	3.92	12.67	1274.71	4/13/2017 14:47	12.67	12.69	19861.33	0.102	1980	0.042	0	0	31.33	0	0	0	0	610.86	34.495	32.514
J1346	0.03	0.46	1290.09	4/13/2017 12:00	0.46	39.14	39.14	0.482	0.482	-3.728	0	0	16.54	0	0	0	0	8.77	0.128	4.463
J135	0.05	0.46	1295.95	4/13/2017 12:10	0.46	0	154.97	0	3.06	-1.622	0	0	29.54	0	0	0	0	81.12	2.737	1.91
J1350	4	12.47	1275.2	4/13/2017 14:47	12.46	48.7	19864.15	0.627	1980	0.042	0	0	34.53	0	0	0	0	606.05	34.471	32.776
J1354	0.24	1.09	1286.09	4/13/2017 12:00	1.09	52.26	173.46	0.548	3.04	-0.192	0	0	32.91	0	0	0	0	56.35	9.165	3.078
J1358	0.02	0.45	1312.45	4/13/2017 12:00	0.45	20.72	69.82	0.311	1.04	-0.265	0	0	21.55	0	0	0	0	18.21	0	3.834
J1362	0.04	0.25	1286.08	4/13/2017 12:00	0.25	11.51	11.51	0.181	0.181	-1.042	0	0	17.75	0	0	0	0	4.06	0.822	2.835
J1364	0.31	1.16	1278.16	4/13/2017 14:22	1.16	8.81	75.71	0.071	4.49	0.421	0	0	23.84	0	0	0	0	71.37	5.124	1.061
J1369	0.04	0.34	1282.34	4/13/2017 12:01	0.34	26.54	61.1	0.457	1.05	-0.567	0	0	12.66	0	0	0	0	15.58	0.518	3.922
J137	0.03	0.42	1303.42	4/13/2017 12:00	0.42	22.71	22.71	0.412	0.412	-0.362	0	0	10.58	0	0	0	0	5.75	0.476	3.95
J1371	2.05	10.64	1277.64	4/13/2017 13:41	10.64	35.06	4170.96	0.329	281	-0.002	0	0	11.36	0	0	0	0	643.06	25.39	6.486
J1377	0.07	0.61	1292.61	4/13/2017 12:00	0.61	43.76	43.76	0.581	0.581	-1.371	0	0	26.39	0	0	0	0	16.58	2.221	2.639
J1379	0.13	1.13	1284.13	4/13/2017 12:00	1.13	0	171.19	0	3.05	-0.182	0	0	34.87	0	0	0	0	56.35	9.165	3.038
J138	0.13	0.81	1266.05	4/13/2017 12:18	0.81	0	55.41	0	1.56	-2.125	0	0	33.19	0	0	0	0	42.37	4.096	1.308
J1385	0.07	0.46	1302.21	4/13/2017 12:00	0.46	49.2	126.53	0.756	2.04	-0.64	0	0	13.54	0	0	0	0	32.55	0.671	3.887
J1388	0.1	0.56	1270.48	4/13/2017 12:01	0.56	0	99.1	0	1.93	-0.143	0	0	16.44	0	0	0	0	28.25	1.341	3.508
J139	0.24	2.21	1271	4/13/2017 12:17	2.21	0	69.88	0	1.56	-0.016	0	0	11.79	0	0	0	0	42.37	4.096	1.649
J1390	0.05	0.93	1310.93	4/13/2017 12:01	0.93	14.77	83.65	0.223	1.27	-0.454	0	0	21.07	0	0	0	0	21.65	0	3.864
J1392	0.23	1.41	1295.94	4/13/2017 12:01	1.41	54.58	202.85	0.742	8.18	-0.151	0	0	15.59	0	0	0	0	123.33	7.042	1.645
J1394	0.05	0.54	1310.04	4/13/2017 12:02	0.54	0	82.99	0	1.27	-0.819	0	0	13.46	0	0	0	0	21.65	0	3.833
J1396	0.1	0.31	1301.31	4/13/2017 12:00	0.31	19.12	19.12	0.262	0.262	-1.11	0	0	16.69	0	0	0	0	4.5	1.125	4.249
J1398	0.06	0.51	1275.83	4/13/2017 12:01	0.51	46.28	103.16	0.865	1.92	-0.443	0	0	16.49	0	0	0	0	28.25	1.341	3.652
J14	0.32	3.18	1351.65	4/13/2017 12:13	3.18	21.1	52.23	0.257	0.683	0.695	0	0	9.82	0	0	0	0	15.54	1.258	3.361
J1403	0.05	0.54	1265.96	4/13/2017 12:02	0.54	22.83	119.2	0.427	2.36	-0.38	0	0	15.46	0	0	0	0	38.17	1.47	3.123
J1406	2.68	10.65	1272.64	4/13/2017 14:50	10.65	19.76	19858.76	0.153	1980	0.018	0	0	32.35	0	0	0	0	616.6	34.617	32.207
J141	0.18	0.84	1312.58	4/13/2017 12:00	0.84	18.12	98.09	0.251	2.26	-0.1	0	0	16.16	0	0	0	0	32.53	1.246	3.015
J1410	0.08	0.77	1268.77	4/13/2017 12:02	0.77	0	98.76	0	1.93	-0.154	0	0	15.23	0	0	0	0	28.25	1.341	3.496
J1415	2.12	11.1	1277.1	4/13/2017 13:42	11.1	0	4169.24	0	281	-0.003	0	0	10.9	0	0	0	0	643.06	25.39	6.483
J1420	0.47	2.02	1284.02	4/13/2017 12:16	2.02	33.05	210.04	0.388	10.1	-0.235	0	0	46.98	0	0	0	0	160.74	13.189	1.307

Junctions SWMM 10-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J1422	3.26	11.68	1272.68	4/13/2017 14:49	11.68	4.76	19852.94	0.029	1980	0.014	0	0	17.32	0	0	0	0	617.77	34.617	32.136
J1426	0.09	0.65	1280.65	4/13/2017 12:00	0.65	41.84	53.07	0.547	0.73	-13.618	0	0	23.35	0	0	0	0	16.81	3.111	3.157
J1428	0.04	0.37	1284.46	4/13/2017 12:00	0.37	20.74	20.74	0.292	0.292	-11.03	0	0	22.63	0	0	0	0	6.91	1.224	3.001
J143	0.17	1.37	1315.37	4/13/2017 12:10	1.37	24.6	41.56	0.409	0.92	-0.262	0	0	7.63	0	0	0	0	11.6	1.712	3.583
J1430	3.46	11.16	1273.45	4/13/2017 15:48	11.16	13.39	9945.98	0.129	969	0.006	0	0	19.84	0	0	0	0	544.64	41.247	18.262
J1432	0.02	0.27	1297.89	4/13/2017 12:00	0.27	15.07	15.07	0.174	0.174	-3.125	0	0	20.73	0	0	0	0	3.82	0.425	3.945
J1435	3.13	12.18	1272.18	4/13/2017 14:51	12.18	20.92	19836.41	0.154	1980	0.006	0	0	29.82	0	0	0	0	643.05	37.727	30.847
J1446	0.03	0.49	1269.57	4/13/2017 12:00	0.49	46.77	46.77	0.617	0.617	-0.427	0	0	32.51	0	0	0	0	13.54	1.54	3.454
J145	0.08	0.47	1312.47	4/13/2017 12:13	0.47	0	30.85	0	0.923	-0.266	0	0	8.53	0	0	0	0	11.6	1.712	2.659
J1452	3.58	13.42	1272.13	4/13/2017 14:51	13.42	14.43	19833.26	0.098	1980	0.018	0	0	28.58	0	0	0	0	647.82	37.727	30.615
J1454	1.77	6.81	1267.74	4/13/2017 13:45	6.81	28.11	4199.46	0.22	287	-0.04	0	0	26.19	0	0	0	0	766.97	33.04	5.475
J1463	3.31	12.02	1269.06	4/13/2017 15:49	12.02	25.01	9950.42	0.37	969	0.004	0	0	19.98	0	0	0	0	576.72	45.012	17.253
J1465	0.05	0.39	1292.39	4/13/2017 12:01	0.39	30.15	30.15	0.339	0.339	-4.666	0	0	23.61	0	0	0	0	10.55	1.001	2.858
J1467	3.86	14.07	1271.74	4/13/2017 14:51	14.07	0	19826.79	0	1980	0.044	0	0	17.93	0	0	0	0	647.82	37.727	30.605
J1469	0.03	0.25	1280.25	4/13/2017 12:03	0.25	33.23	39.6	0.246	0.982	-1.544	0	0	16.75	0	0	0	0	36.79	1.257	1.076
J147	0.12	1.01	1318.01	4/13/2017 12:03	1.01	0	25.53	0	0.507	-0.299	0	0	12.99	0	0	0	0	6.37	1.005	4.008
J1475	0.53	2.95	1286.95	4/13/2017 12:13	2.95	46.59	238.04	0.517	9.66	-0.175	0	0	17.05	0	0	0	0	152.87	11.746	1.557
J1478	5.89	16.12	1280.12	4/13/2017 15:46	16.12	18.15	9936.74	0.106	954	0.092	0	0	12.88	0	0	0	0	249.46	14.215	39.833
J148	0.07	0.48	1315.48	4/13/2017 12:06	0.48	0	21.1	0	0.508	-0.576	0	0	8.52	0	0	0	0	6.37	1.005	3.312
J1480	0.04	0.75	1271.79	4/13/2017 12:00	0.75	70.44	70.44	0.688	0.688	-0.237	0	0	13.25	0	0	0	0	24.1	1.565	2.923
J1482	0.02	0.18	1278.18	4/13/2017 12:11	0.18	10.58	37.21	0.072	1.07	-1.984	0	0	13.82	0	0	0	0	40.02	1.275	0.93
J1484	0.02	0.43	1283.51	4/13/2017 12:00	0.43	48.03	48.03	0.684	0.684	-0.846	0	0	11.57	0	0	0	0	10.48	0	4.583
J15	0.05	0.79	1355.79	4/13/2017 11:55	0.79	16.85	84.26	0.239	1.27	-0.192	0	0	42.21	0	0	0	0	16.18	2.052	5.208
J1500	0.11	1.26	1265.26	4/13/2017 13:50	1.26	32.88	88.97	0.379	1.47	-3.785	0	0	33.74	0	0	0	0	19.44	2.142	4.577
J1504	2.61	9.93	1268.93	4/13/2017 15:49	9.93	8.47	9948.24	0.078	969	0.005	0	0	22.07	0	0	0	0	567.79	43.503	17.521
J151	0.27	2.73	1308.73	4/13/2017 12:04	2.73	13.47	542.89	0.211	7.47	-0.072	0	0	35.27	0	0	0	0	166.62	14.97	3.258
J1510	0.08	0.44	1265.53	4/13/2017 12:02	0.44	34.47	34.47	0.441	0.441	-3.402	0	0	12.56	0	0	0	0	20.75	1.168	1.661
J152	0.17	2.68	1349.68	4/13/2017 12:19	2.68	0	92.6	0	1.25	-2.069	0	0	78.32	0	0	0	0	60.86	5.884	1.522
J1525	0.11	0.41	1282.05	4/13/2017 12:02	0.41	13.94	13.94	0.116	0.116	-9.793	0	0	13.59	0	0	0	0	6.55	0.054	2.128
J1527	0.02	0.27	1283.31	4/13/2017 12:00	0.27	18.62	36.35	0.268	0.605	-0.96	0	0	12.73	0	0	0	0	112.07	6.922	0.324
J1536	0.66	5.81	1269.83	4/13/2017 14:59	5.81	17.76	319.46	0.124	7.56	-0.268	0	0	24.19	0	0	0	0	6.26	0	51.032
J1538	0.01	0.19	1281.19	4/13/2017 12:00	0.19	32.36	32.36	0.246	0.246	-1.459	0	0	21.81	0	0	0	0	11.94	0.124	2.71
J1542	3.73	12.73	1267.73	4/13/2017 15:43	12.73	13.48	9973.92	0.141	971	0.004	0	0	19.27	0	0	0	0	638.61	50.638	15.618
J1544	0.04	0.5	1279.5	4/13/2017 12:02	0.5	35.25	66.76	0.547	1.17	-1.42	0	0	13.5	0	0	0	0	120.28	7.093	0.555
J1551	0.03	0.3	1281.79	4/13/2017 12:02	0.3	0	35.26	0	0.611	-2.096	0	0	13.7	0	0	0	0	112.07	6.922	0.315
J1553	0.01	0.18	1267.6	4/13/2017 12:00	0.18	16.55	16.55	0.158	0.158	-0.436	0	0	9.82	0	0	0	0	7.33	0.247	2.258
J1560	0.03	0.43	1276.43	4/13/2017 12:02	0.43	17.49	105.19	0.189	1.38	-1.722	0	0	22.57	0	0	0	0	27.25	2.408	3.86
J1563	0.07	0.27	1266.64	4/13/2017 12:01	0.27	0	16.24	0	0.158	-5.916	0	0	16.73	0	0	0	0	7.33	0.247	2.216
J1567	3.32	12.6	1280.6	4/13/2017 15:45	12.6	31.75	9958.72	0.304	955	0.032	0	0	21.4	0	0	0	0	218.67	13.815	45.542
J157	0.14	1.83	1308.54	4/13/2017 12:00	1.83	0	87.09	0	1.17	-0.105	0	0	8.17	0	0	0	0	17.65	2.83	4.934
J1571	0.17	1.23	1273.23	4/13/2017 12:11	1.23	26.31	117.14	0.227	1.63	-3.932	0	0	17.77	0	0	0	0	33.96	2.599	3.449
J1573	0.03	0.41	1267.57	4/13/2017 12:00	0.41	0	54.65	0	0.9	-0.169	0	0	14.59	0	0	0	0	11.13	1.755	4.91
J158	0.22	2.81	1356.81	4/13/2017 12:00	2.81	0	99.56	0	1.42	0.031	0	0	29.19	0	0	0	0	19.6	1.215	5.08
J1584	0.08	0.5	1269.97	4/13/2017 11:55	0.5	55.12	55.12	0.899	0.899	-0.106	0	0	12.5	0	0	0	0	11.13	1.755	4.952
J1586	2.87	11.03	1286.05	4/13/2017 15:32	11.03	0	9968.89	0	949	0.017	0	0	12.97	0	0	0	0	83.18	0.991	119.847
J1588	0.01	0.24	1260.24	4/13/2017 12:00	0.24	39.09	39.09	0.544	0.544	-0.549	0	0	8.76	0	0	0	0	15.44	0.684	2.532
J159	0.08	1.14	1352.34	4/13/2017 12:00	1.14	0	99.37	0	1.42	-0.046	0	0	11.86	0	0	0	0	19.6	1.215	5.07
J1590	0.07	0.71	1280.07	4/13/2017 12:00	0.71	36.5	89.79	0.473	1.18	-0.733	0	0	22.29	0	0	0	0	23	2.1	3.904
J1593	3.8	13.73	1285.73	4/13/2017 15:35	13.73	21.65	9969.76	0.141	949	0.028	0	0	10.27	0	0	0	0	90.61	1.033	110.029
J1597	0.12	0.52	1272.14	4/13/2017 12:10	0.52	50.27	107.2	0.741	1.93	-5.116	0	0	23.48	0	0	0	0	132.63	8.743	0.808
J16	0.24	1.95	1264.95	4/13/2017 12:08	1.94	0	196.25	0	6.57	-0.126	0	0	13.05	0	0	0	0	111.87	12.188	1.754
J1601	0.03	0.47	1265.49	4/13/2017 12:00	0.47	24.59	78.7	0.379	1.28	-0.141	0	0	14.53	0	0	0	0	16.43	2.104	4.79
J1609	2.65	10.69	1281.19	4/13/2017 15:43	10.69	15.09	9965.92	0.121	955	0.022	0	0	30.31	0	0	0	0	210.63	13.23	47.315
J161	0.06	0.6	1338.1	4/13/2017 12:01	0.6	0	88.65	0	1.39	-0.131	0	0	16.4	0	0	0	0	17.86	1.982	4.964
J1613	0.16	1.73	1255.82	4/13/2017 13:55	1.73	26.51	26.51	0.275	0.33	-0.621	0	0	33.27	0	0	0	0	7.94	0.401	3.339
J1615	0.15	1.44	1286.44	4/13/2017 15:32	1.44	2.62	80.01	0.013	1.88	-0.353	0	0	19.56	0	0	0	0	51.82	0.59	1.544
J1617	0.21	1.82	1269.82	4/13/2017 12:04	1.82	0	237.81	0	3.87	-2.989	0	0	29.18	0	0	0	0	97.32	10.094	2.444
J1619	0.04	0.48	1264.48	4/13/2017 12:00	0.48	12.89	91.2	0.184	1.47	-0.364	0	0	21.52	0	0	0	0	19.23	2.117	4.743

Junctions SWMM 10-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J162	0.34	4.66	1379.66	4/13/2017 11:58	4.66	30.75	198.15	0.378	2.35	-0.048	0	0	17.34	0	0	0	0	32.49	4.147	6.099
J1623	0.86	1.31	1256.41	4/13/2017 14:05	1.31	19.5	146.08	0.262	2.24	11.496	0	0	13.69	0	0	0	0	50.69	2.464	2.882
J1625	0.13	1.39	1287.39	4/13/2017 12:12	1.39	7.96	82.09	0.07	1.77	-0.294	0	0	11.61	0	0	0	0	51.21	0.59	1.603
J1627	0.71	1.16	1256.41	4/13/2017 14:07	1.16	45.04	167.71	0.515	2.37	19.741	0	0	16.84	0	0	0	0	45.05	2.152	3.723
J1629	0.03	0.43	1291.95	4/13/2017 12:00	0.43	28.05	54.97	0.316	0.702	-0.504	0	0	20.57	0	0	0	0	13.65	1.045	4.027
J1633	0.08	0.4	1269.97	4/13/2017 12:00	0.4	18.44	18.44	0.257	0.257	-0.961	0	0	11.6	0	0	0	0	7.99	0.939	2.308
J1635	3.49	11.73	1282.67	4/13/2017 15:42	11.73	23.77	9968.55	0.271	955	0.027	0	0	29.27	0	0	0	0	203.97	13.184	48.873
J1637	0.08	0.45	1265.78	4/13/2017 12:02	0.45	8.67	24.07	0.167	0.426	-1.238	0	0	11.55	0	0	0	0	13.84	1.938	1.739
J1643	0.08	0.88	1288.88	4/13/2017 12:09	0.88	7.62	79.83	0.074	1.68	-1.18	0	0	9.12	0	0	0	0	46.86	0.59	1.704
J1645	0.11	0.46	1306.46	4/13/2017 12:00	0.46	31.69	31.69	0.386	0.386	-0.046	0	0	15.54	0	0	0	0	9.3	0.517	3.408
J1647	0.03	0.37	1260.67	4/13/2017 12:00	0.37	50.48	114.94	0.643	1.64	-0.207	0	0	26.63	0	0	0	0	24.9	1.641	4.616
J1649	0.07	0.22	1253.9	4/13/2017 12:00	0.22	11.69	15.59	0.169	1.62	-0.008	0	0	14.78	0	0	0	0	66.22	4.176	0.235
J1653	0.27	1.62	1254.62	4/13/2017 12:07	1.62	41.9	202.92	0.65	4.89	-0.718	0	0	30.38	0	0	0	0	182.96	13.215	1.109
J1660	0.1	0.57	1257.07	4/13/2017 12:00	0.57	16.58	130.02	0.138	1.78	-3.965	0	0	26.43	0	0	0	0	28.37	1.711	4.583
J1662	4.24	14.06	1266.06	4/13/2017 15:21	14.06	21.17	9989.13	0.177	975	0.056	0	0	12.94	0	0	0	0	716.68	57.976	13.938
J1664	0.09	0.61	1289.69	4/13/2017 12:00	0.61	0	121.25	0	1.95	-0.031	0	0	10.39	0	0	0	0	29.92	3.863	4.052
J1669	0.01	0.11	1265.13	4/13/2017 11:55	0.11	3.36	3.36	0.07	0.07	-2.419	0	0	117.89	0	0	0	0	684.31	38.899	0.005
J1673	1.43	5.61	1256.61	4/13/2017 13:54	5.61	17.82	4169.39	0.124	289	-0.003	0	0	18.39	0	0	0	0	813.9	36.192	5.123
J1675	0.06	0.37	1260.07	4/13/2017 12:13	0.37	0	48.82	0	1.15	-1.339	0	0	14.63	0	0	0	0	62	3.587	0.787
J1677	0.04	0.26	1263.9	4/13/2017 12:09	0.26	1.58	19.2	0.03	0.462	-1.102	0	0	10.74	0	0	0	0	21.67	2.118	0.886
J1679	0.06	1.12	1290.12	4/13/2017 12:00	1.12	46.67	46.67	0.493	0.493	-0.725	0	0	8.88	0	0	0	0	18.65	0.003	2.502
J1681	0.03	0.43	1296.79	4/13/2017 12:00	0.43	11.14	30.14	0.144	0.374	-0.8	0	0	18.57	0	0	0	0	7.85	0.79	3.839
J1683	0.11	0.9	1276.9	4/13/2017 12:01	0.9	39.08	241.61	0.445	3.84	-0.777	0	0	30.1	0	0	0	0	60.86	7.224	3.97
J1687	0.14	0.43	1258.52	4/13/2017 12:15	0.43	0.06	48.04	0.001	1.16	-3.857	0	0	20.57	0	0	0	0	64.28	3.59	0.747
J1691	0.06	0.44	1290.07	4/13/2017 12:00	0.44	27.82	27.82	0.396	0.396	-0.055	0	0	9.56	0	0	0	0	7.6	1.175	3.661
J1693	0.13	0.76	1251.76	4/13/2017 15:40	0.76	0.04	98.11	0.001	2.02	-0.567	0	0	25.24	0	0	0	0	70.19	4.182	1.398
J1697	1.77	7.1	1255.1	4/13/2017 13:57	7.1	0	4162.44	0	291	-0.017	0	0	19.9	0	0	0	0	890.28	40.185	4.675
J1699	0.95	1.41	1256.41	4/13/2017 14:05	1.41	11.17	136.31	0.171	2.18	32.091	0	0	13.59	0	0	0	0	55.76	3.131	2.445
J17	0.18	0.79	1296.34	4/13/2017 12:00	0.79	37.09	235.04	0.556	3.38	-0.075	0	0	14.21	0	0	0	0	59.17	10.144	3.972
J1701	0.05	0.5	1288.68	4/13/2017 12:00	0.5	0	27.67	0	0.396	-0.163	0	0	10.5	0	0	0	0	7.6	1.175	3.641
J1704	0.11	0.57	1294.88	4/13/2017 12:12	0.57	4.28	61.21	0.035	1	-0.429	0	0	14.43	0	0	0	0	22.56	0.587	2.713
J1707	0.08	0.58	1300.58	4/13/2017 12:00	0.58	75.47	75.47	1.21	1.21	-0.425	0	0	22.42	0	0	0	0	17.94	2.482	4.207
J1711	1.89	6.89	1253.89	4/13/2017 15:33	6.89	0	4161.54	0	291	-0.032	0	0	22.11	0	0	0	0	890.28	40.185	4.674
J1713	0.04	0.41	1295.87	4/13/2017 12:00	0.41	46.09	46.09	0.74	0.74	-0.287	0	0	17.59	0	0	0	0	10.6	1.475	4.348
J1719	0.12	0.44	1263.44	4/13/2017 12:00	0.44	17.24	19.96	0.359	0.435	-31.833	0	0	26.56	0	0	0	0	693.14	41.121	0.029
J1721	0.06	0.63	1307.63	4/13/2017 11:55	0.63	64.2	116.69	0.811	1.52	-0.326	0	0	18.37	0	0	0	0	22.9	3.016	5.096
J1729	0.08	0.66	1290.42	4/13/2017 12:00	0.66	51.3	124.07	0.726	1.94	-0.259	0	0	22.34	0	0	0	0	29.92	3.863	4.147
J1735	0.06	0.85	1303.85	4/13/2017 12:00	0.85	32.49	32.49	0.375	0.375	-0.425	0	0	11.15	0	0	0	0	7.48	0.476	4.344
J1745	0.03	0.28	1302.28	4/13/2017 12:00	0.28	13.46	67.49	0.167	2.37	-0.364	0	0	12.72	0	0	0	0	36.08	4.249	1.871
J1758	0.05	0.51	1309.51	4/13/2017 11:55	0.51	52.84	52.84	0.708	0.708	-0.045	0	0	16.49	0	0	0	0	10.39	1.458	5.086
J1763	5.49	16.3	1253.8	4/13/2017 15:32	16.29	0.23	29157.07	0.005	3300	0.108	0	0	18.7	0	0	0	0	3478.99	268.957	8.381
J1770	0.05	0.5	1309.53	4/13/2017 12:02	0.5	46.46	64.23	0.686	0.93	-3.784	0	0	14.5	0	0	0	0	21.65	0.587	2.967
J1776	3.73	12.3	1262.21	4/13/2017 15:38	12.16	34.07	29428.29	0.484	2950	0.04	0	0	43.7	0	0	0	0	1458.2	102.249	20.181
J1780	0.44	3.45	1315.45	4/13/2017 12:30	3.45	23.52	92.62	0.276	1.82	0.237	0	0	12.55	0	0	0	0	25.46	3.457	3.638
J1786	0.03	0.45	1307.74	4/13/2017 12:01	0.45	0	33.19	0	0.485	-1.218	0	0	15.55	0	0	0	0	9.74	0.628	3.408
J1793	0.07	0.48	1322.48	4/13/2017 12:00	0.48	46.59	70.99	0.636	1.52	-1.819	0	0	20.52	0	0	0	0	20.51	2.817	3.461
J1795	0.01	0.21	1313.74	4/13/2017 12:00	0.21	18.12	18.12	0.243	0.243	-0.4	0	0	14.79	0	0	0	0	5.06	0.36	3.581
J1797	0.03	0.31	1314.94	4/13/2017 12:00	0.31	34.12	34.12	0.481	0.481	-0.741	0	0	15.69	0	0	0	0	9.74	0.628	3.503
J18	0.16	1.05	1258.04	4/13/2017 12:08	1.05	0	195.48	0	6.58	-0.514	0	0	28.95	0	0	0	0	111.87	12.188	1.747
J1806	0.08	0.54	1292.88	4/13/2017 12:05	0.54	0	39.18	0	0.69	-7.14	0	0	30.46	0	0	0	0	16.41	2.581	2.388
J1815	0.11	1	1265.19	4/13/2017 12:07	1	33.59	196.67	0.369	6.56	-0.155	0	0	21	0	0	0	0	111.87	12.188	1.758
J1817	0.08	0.66	1344.19	4/13/2017 11:55	0.66	65.06	65.06	0.876	0.876	-2.06	0	0	20.34	0	0	0	0	10.81	1.784	6.019
J1819	0.15	1.3	1272.08	4/13/2017 12:01	1.3	44.66	156.61	0.543	2.42	-0.769	0	0	22.7	0	0	0	0	50.9	4.137	3.077
J1824	0.05	0.58	1344.58	4/13/2017 12:00	0.58	53.71	53.71	0.762	0.762	-1.047	0	0	22.42	0	0	0	0	11.64	1.097	4.614
J1829	0.06	0.8	1267.1	4/13/2017 12:01	0.8	62.27	430.58	1.02	6.34	-0.227	0	0	14.2	0	0	0	0	104.32	17.075	4.127
J1831	0.02	0.31	1281	4/13/2017 12:00	0.31	30.83	30.83	0.452	0.452	-0.11	0	0	10.69	0	0	0	0	9.74	0.769	3.165
J1838	0.25	2.15	1279.15	4/13/2017 12:06	2.15	17.43	190.38	0.239	6.17	-0.186	0	0	16.85	0	0	0	0	105.77	10.988	1.8
J1840	0.13	1.15	1274.59	4/13/2017 12:07	1.15	0	189.17	0	6.19	-0.076	0	0	20.85	0	0	0	0	105.77	10.988	1.789

Junctions SWMM 10-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J1842	0.13	0.79	1280.79	4/13/2017 12:06	0.79	54.1	110.39	0.624	1.56	-0.017	0	0	14.21	0	0	0	0	42.37	4.096	2.605
J1844	0.09	0.6	1260.94	4/13/2017 11:56	0.6	54.01	119.79	0.721	1.64	-1.488	0	0	33.4	0	0	0	0	21.53	2.292	5.564
J1846	0.13	1.17	1300.56	4/13/2017 12:00	1.17	119.02	119.02	1.79	1.79	-0.94	0	0	13.83	0	0	0	0	23.58	2.384	5.047
J1848	0.06	0.53	1288.36	4/13/2017 12:00	0.53	39.41	39.41	0.613	0.613	-0.131	0	0	19.47	0	0	0	0	8.11	0.85	4.859
J1850	0.05	0.7	1278.73	4/13/2017 12:00	0.7	19.35	124.55	0.217	2.03	-1.572	0	0	19.3	0	0	0	0	24.92	4.049	4.998
J1852	1.26	3.2	1279.2	4/13/2017 12:06	3.2	11.99	189.93	0.149	5.92	-0.294	0	0	15.8	0	0	0	0	102.76	10.589	1.848
J1855	0.17	0.77	1276.78	4/13/2017 12:00	0.77	15.18	376.01	0.224	5.31	-0.181	0	0	12.23	0	0	0	0	91.07	15.037	4.129
J1858	0.08	1.16	1267.81	4/13/2017 12:00	1.16	34.02	236.03	0.505	3.51	-1.014	0	0	30.84	0	0	0	0	46.02	4.611	5.129
J1860	0.22	1.26	1284.44	4/13/2017 12:03	1.26	24.44	187.55	0.36	5.45	-0.977	0	0	40.74	0	0	0	0	97.81	9.889	1.917
J1866	0.55	3.29	1261.29	4/13/2017 12:15	3.29	85.13	1369.69	1.25	46	-0.254	0	0	62.71	0	0	0	0	572.4	68.021	2.393
J1871	0.63	6.81	1268.81	4/13/2017 12:13	6.81	25.19	1394.4	0.333	43.9	0.046	0	0	27.19	0	0	0	0	557.95	64.942	2.499
J1873	0.24	3.37	1285.35	4/13/2017 12:00	3.37	57.26	209.99	0.753	3	-0.278	0	0	28.63	0	0	0	0	39.87	3.574	5.267
J1879	0.03	0.49	1282.16	4/13/2017 12:00	0.49	45.77	363.96	0.507	5.08	-0.086	0	0	13.51	0	0	0	0	88.08	14.287	4.132
J1881	0.78	3.93	1273.95	4/13/2017 12:09	3.93	62.78	1319.33	0.882	41.3	-0.284	0	0	30.07	0	0	0	0	528.49	60.574	2.496
J1883	0.19	1.2	1284.4	4/13/2017 12:03	1.2	17.06	183.63	0.238	5.74	-0.396	0	0	40.8	0	0	0	0	100.75	10.433	1.823
J1885	0.07	0.85	1298.98	4/13/2017 11:55	0.84	67.51	67.51	0.92	0.92	-0.167	0	0	30.15	0	0	0	0	12.05	1.231	5.602
J1887	0.22	2.35	1276.35	4/13/2017 12:00	2.34	20.14	357.92	0.236	8.33	-0.586	0	0	23.65	0	0	0	0	109.92	9.675	3.256
J1889	0.08	0.42	1294.42	4/13/2017 12:01	0.42	14.13	68.24	0.221	0.908	-2.942	0	0	14.58	0	0	0	0	20.78	2.51	3.284
J1891	0.04	0.63	1290.76	4/13/2017 12:00	0.63	56.58	83.21	0.663	0.975	-0.833	0	0	14.37	0	0	0	0	21.19	2.268	3.927
J1894	0.02	0.34	1278.36	4/13/2017 12:00	0.34	16.92	47.55	0.254	0.706	-0.21	0	0	10.66	0	0	0	0	14.89	1.42	3.193
J1896	0.11	1.27	1289.3	4/13/2017 12:00	1.27	50.56	159.33	0.626	2.24	-0.366	0	0	32.73	0	0	0	0	31.11	1.867	5.122
J1898	0.25	2.19	1303.19	4/13/2017 12:06	2.19	0	475.05	0	7.43	-2.248	0	0	52.81	0	0	0	0	120.91	18.56	3.929
J19	0.02	0.13	1264.13	4/13/2017 11:57	0.13	0	3.19	0	0.072	-5.318	0	0	14.87	0	0	0	0	684.31	38.899	0.005
J1900	0.15	2.24	1294.74	4/13/2017 12:00	2.24	47.34	394.34	0.597	5.87	-1.265	0	0	18.76	0	0	0	0	77.66	6.559	5.078
J1905	0.15	1.17	1317.19	4/13/2017 11:55	1.17	117.69	252.73	1.49	3.85	-0.281	0	0	26.83	0	0	0	0	50.13	4.88	5.041
J1907	0.05	0.51	1292.62	4/13/2017 12:00	0.51	24.17	166.68	0.274	5.08	-0.23	0	0	16.49	0	0	0	0	92.88	9.508	1.795
J1909	0.03	0.38	1304.38	4/13/2017 12:00	0.38	56	56	0.683	0.683	-0.546	0	0	12.62	0	0	0	0	17.09	1.741	3.277
J1911	0.08	1.23	1304.39	4/13/2017 12:00	1.23	33.5	115.14	0.454	1.61	-0.093	0	0	32.77	0	0	0	0	23.3	0.765	4.942
J1913	0.12	0.51	1306.51	4/13/2017 12:00	0.51	0	27.49	0	0.308	-1.424	0	0	18.49	0	0	0	0	7.59	0.806	3.622
J1915	0.17	1.32	1297.31	4/13/2017 12:12	1.32	0	123.28	0	4.46	-0.035	0	0	14.68	0	0	0	0	79.83	8.432	1.544
J1917	0.03	0.39	1307.91	4/13/2017 12:00	0.39	27.53	27.53	0.308	0.308	-0.062	0	0	18.61	0	0	0	0	7.59	0.806	3.627
J1920	0.37	1.65	1279.65	4/13/2017 12:06	1.65	21.56	475.9	0.318	10.7	-0.367	0	0	23.35	0	0	0	0	129.4	24.88	3.678
J1922	0.06	0.86	1311.09	4/13/2017 12:00	0.86	81.69	81.69	1.15	1.15	-0.014	0	0	22.14	0	0	0	0	16.81	0.518	4.86
J1926	0.13	1.49	1307.88	4/13/2017 11:56	1.49	21.19	269.41	0.237	4.09	-0.165	0	0	23.51	0	0	0	0	53.17	5.187	5.067
J1928	0.21	1.35	1295.35	4/13/2017 11:59	1.35	27.96	142.59	0.347	4.81	-0.065	0	0	15.65	0	0	0	0	87.56	9.323	1.628
J1932	0.12	0.88	1298.08	4/13/2017 11:55	0.87	80.22	80.22	1.23	1.23	-0.081	0	0	28.12	0	0	0	0	14.1	3.189	5.689
J1935	0.17	0.87	1298.87	4/13/2017 12:00	0.87	20.83	198.93	0.249	2.82	-0.136	0	0	13.13	0	0	0	0	50.38	8.883	3.949
J1939	0.03	0.49	1337.49	4/13/2017 12:00	0.49	50.65	90.97	0.601	1.64	-0.077	0	0	24.51	0	0	0	0	20.99	2.324	4.334
J1941	0.2	3.21	1302.71	4/13/2017 12:12	3.21	14.83	274.7	0.161	4	1.307	0	0	23.79	0	0	0	0	72.19	7.265	3.805
J1945	0.09	0.43	1331.68	4/13/2017 12:00	0.43	14.88	14.88	0.289	0.289	-0.138	0	0	21.57	0	0	0	0	3.79	0.497	3.926
J1947	0.02	0.27	1303.59	4/13/2017 12:00	0.27	58.82	58.82	0.654	0.654	-0.445	0	0	22.73	0	0	0	0	13.12	1.643	4.483
J1949	0.13	1.05	1307.33	4/13/2017 12:00	1.05	49.22	231.48	0.582	3.4	-1.756	0	0	14.95	0	0	0	0	62.03	6.97	3.732
J1953	0.04	0.57	1324.94	4/13/2017 12:03	0.57	0	128.62	0	1.76	-0.358	0	0	20.43	0	0	0	0	33.88	4.505	3.796
J1956	0.03	0.54	1347.84	4/13/2017 11:55	0.53	28.06	72.59	0.403	1.03	-0.412	0	0	26.46	0	0	0	0	13.01	1.687	5.58
J1962	0.01	0.19	1350.19	4/13/2017 11:55	0.19	44.75	44.75	0.625	0.625	-0.029	0	0	20.81	0	0	0	0	8.01	0.953	5.587
J1964	0.57	2.68	1285.26	4/13/2017 12:07	2.68	18.5	623.13	0.215	20.2	-0.178	0	0	27.32	0	0	0	0	264.48	23.894	2.356
J1966	0.07	0.5	1314.94	4/13/2017 12:00	0.5	31.03	31.03	0.362	0.362	-2.952	0	0	12.5	0	0	0	0	6.3	0.113	4.925
J1971	0.28	4.24	1284.52	4/13/2017 12:21	4.24	53.81	637.08	0.697	21	-0.029	0	0	25.76	0	0	0	0	273.04	25.157	2.333
J1974	0.09	0.6	1287.16	4/13/2017 11:55	0.6	0	78.75	0	1.23	-0.253	0	0	28.4	0	0	0	0	14.1	3.189	5.585
J1983	0.26	0.89	1319.89	4/13/2017 12:00	0.89	0	134.36	0	2.16	-0.569	0	0	46.11	0	0	0	0	41.06	4.202	3.272
J1985	0.15	1.25	1327.74	4/13/2017 12:02	1.25	21.28	139.61	0.26	1.74	-1.596	0	0	19.75	0	0	0	0	33.88	4.505	4.121
J1987	0.06	0.52	1336.23	4/13/2017 12:00	0.52	17.66	120	0.207	1.46	-0.767	0	0	22.48	0	0	0	0	27.47	3.808	4.368
J1989	0.2	1.09	1296.64	4/13/2017 12:03	1.09	22.58	432.68	0.293	8.85	-0.14	0	0	20.91	0	0	0	0	108.66	20.725	3.982
J1991	0.12	0.87	1314.13	4/13/2017 12:00	0.87	51.74	185.84	0.638	2.81	-0.474	0	0	46.13	0	0	0	0	52.61	5.548	3.532
J1993	0.05	0.46	1337.46	4/13/2017 12:00	0.46	0	102.99	0	1.25	-0.271	0	0	22.54	0	0	0	0	23.57	3.483	4.37
J1997	0.47	2.43	1301.45	4/13/2017 12:02	2.43	64.22	494.92	0.815	16.3	-0.177	0	0	35.57	0	0	0	0	215.1	18.123	2.301
J1999	0.08	0.7	1328.7	4/13/2017 11:57	0.7	0	98.62	0	1.66	-0.441	0	0	21.3	0	0	0	0	31.22	3.218	3.159
J2	0.04	0.37	1287.97	4/13/2017 12:00	0.37	48.37	65.62	0.519	1.66	-1.116	0	0	35.63	0	0	0	0	29.2	2.31	2.247

Junctions SWMM 10-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J20	0.1	0.72	1304.47	4/13/2017 12:00	0.72	26.41	158.02	0.378	2.27	-0.065	0	0	11.28	0	0	0	0	39	7.166	4.052
J2001	0.14	1.36	1336.36	4/13/2017 12:00	1.36	50.11	316.94	0.702	4.08	-0.485	0	0	13.64	0	0	0	0	68.68	9.227	4.615
J2003	0.07	0.82	1303.08	4/13/2017 12:00	0.82	27.09	422.44	0.362	8.52	-0.144	0	0	32.18	0	0	0	0	104.93	20.288	4.026
J2005	0.02	0.36	1344.43	4/13/2017 12:00	0.36	21.19	21.19	0.234	0.234	-0.138	0	0	14.64	0	0	0	0	5.49	0.545	3.86
J2011	0.09	0.73	1324.85	4/13/2017 12:00	0.73	37.51	134.41	0.489	2.15	-0.181	0	0	21.27	0	0	0	0	41.06	4.202	3.274
J2016	0.03	0.37	1351.85	4/13/2017 11:59	0.37	12.76	83.07	0.171	0.998	-0.703	0	0	28.63	0	0	0	0	18.08	2.938	4.595
J2018	0.04	0.42	1331.96	4/13/2017 11:55	0.42	65.53	138.22	0.939	1.97	-0.212	0	0	19.58	0	0	0	0	23.42	5.734	5.902
J2020	0.12	0.85	1297.3	4/13/2017 12:00	0.85	108.68	108.68	1.7	1.7	-0.438	0	0	13.15	0	0	0	0	21.56	3.01	5.041
J2022	0.24	1.7	1309.71	4/13/2017 12:01	1.7	35.14	401.06	0.559	8.15	-0.079	0	0	30.3	0	0	0	0	100.39	19.68	3.995
J2024	0.02	0.27	1317.24	4/13/2017 11:55	0.26	67.29	67.29	0.903	0.903	-0.051	0	0	10.73	0	0	0	0	16.47	3.39	4.086
J2030	0.07	0.68	1338.25	4/13/2017 11:56	0.68	37.15	101.11	0.391	1.65	-0.449	0	0	107.32	0	0	0	0	31.22	3.218	3.239
J2032	0.05	0.49	1355.56	4/13/2017 11:56	0.49	37.02	72.39	0.384	0.82	-0.862	0	0	24.51	0	0	0	0	15.22	1.99	4.756
J2034	0.03	0.34	1369.56	4/13/2017 11:55	0.34	37.47	37.47	0.433	0.433	-0.694	0	0	24.66	0	0	0	0	7.39	1.043	5.07
J2036	0.09	1.04	1351.92	4/13/2017 12:00	1.04	0	270.09	0	3.32	-0.481	0	0	38.96	0	0	0	0	58.76	7.319	4.596
J2043	0.06	0.73	1333.87	4/13/2017 11:55	0.73	43.06	43.06	0.623	0.623	-0.027	0	0	23.27	0	0	0	0	7.51	1.281	5.734
J2045	0.38	1.99	1305.07	4/13/2017 12:02	1.99	56.76	455.87	0.632	15.4	-0.168	0	0	36.01	0	0	0	0	204.41	17.113	2.23
J2047	0	0.11	1322.61	4/13/2017 0:00	0.1	0	0	0	0	-99.957	0	0	34.89	0	0	0	0	0	0	0
J2050	0.04	0.43	1347.47	4/13/2017 11:55	0.43	73.59	73.59	1.03	1.03	-0.044	0	0	19.57	0	0	0	0	12.58	2.988	5.85
J2053	0.09	0.52	1347.56	4/13/2017 12:18	0.52	0	18.74	0	0.678	-0.004	0	0	16.48	0	0	0	0	15.54	1.258	1.206
J2058	0.02	0.34	1342.46	4/13/2017 12:00	0.34	37.25	37.25	0.621	0.621	-0.029	0	0	17.66	0	0	0	0	8.6	0.676	4.331
J2060	0.06	0.53	1353.66	4/13/2017 12:00	0.53	32.1	32.1	0.414	0.414	-2.836	0	0	12.47	0	0	0	0	10.23	0.704	3.138
J2071	0.14	1.18	1333.04	4/13/2017 12:03	1.18	23.57	272.39	0.355	5.29	-0.195	0	0	28.82	0	0	0	0	67.53	11.548	4.034
J2076	0.06	0.61	1348.84	4/13/2017 12:00	0.61	46.18	103.18	0.72	1.73	-2.247	0	0	18.39	0	0	0	0	24.03	1.928	4.294
J2078	0.12	1.17	1361.17	4/13/2017 12:00	1.17	0	230.45	0	2.88	-0.121	0	0	22.83	0	0	0	0	50.69	6.821	4.546
J2080	0.05	0.62	1368.96	4/13/2017 12:00	0.62	0	234.05	0	2.88	-0.088	0	0	22.38	0	0	0	0	50.69	6.821	4.617
J2087	0.03	0.57	1383.08	4/13/2017 12:00	0.57	47.9	106.08	0.564	1.25	-0.522	0	0	18.43	0	0	0	0	22.85	2.809	4.642
J2089	0.04	1.75	1362.72	4/13/2017 12:08	1.73	55	84.99	0.752	0.783	-0.456	0	0	21.25	0	0	0	0	11.39	0.027	7.462
J2094	0.11	1.06	1341.06	4/13/2017 12:00	1.06	36.74	225.62	0.55	3.2	-0.244	0	0	26.94	0	0	0	0	42.83	7.169	5.268
J2096	0.06	0.83	1379.83	4/13/2017 11:56	0.83	16.25	115.41	0.254	1.3	-0.362	0	0	35.17	0	0	0	0	23.72	3.128	4.866
J2098	0.09	1.55	1362.7	4/13/2017 12:07	1.55	46.53	380.68	0.639	5.42	-0.427	0	0	20.45	0	0	0	0	74.84	7.158	5.087
J21	0.76	1.81	1278.16	4/13/2017 14:22	1.81	8.2	34.55	0.089	5.41	-0.902	0	0	28.19	0	0	0	0	90.66	5.859	0.381
J2101	0.09	0.67	1365.76	4/13/2017 12:00	0.67	58.33	58.33	1.01	1.01	-0.102	0	0	17.33	0	0	0	0	14.65	0.844	3.982
J2103	0.03	0.48	1388.48	4/13/2017 11:55	0.48	34.11	99.93	0.375	1.05	-0.193	0	0	21.52	0	0	0	0	20.27	2.205	4.93
J2110	0.03	0.46	1392.88	4/13/2017 11:55	0.46	0	66.43	0	0.673	-0.152	0	0	21.54	0	0	0	0	12.68	1.462	5.239
J2112	0.24	1.05	1330.78	4/13/2017 12:00	1.05	60.08	125.34	0.819	4.95	-0.237	0	0	19.95	0	0	0	0	66.59	4.628	1.882
J2114	0.03	0.4	1358.99	4/13/2017 12:00	0.4	32.47	32.47	0.508	0.508	-0.837	0	0	23.6	0	0	0	0	6.88	0.612	4.719
J2116	0.05	0.42	1398.56	4/13/2017 12:00	0.42	59.5	59.5	0.688	0.688	-0.213	0	0	15.58	0	0	0	0	13.76	1.45	4.324
J2121	0.23	1.09	1366.09	4/13/2017 12:00	1.09	20.76	335.02	0.288	4.77	-0.228	0	0	25.91	0	0	0	0	65.76	6.774	5.095
J2123	0.04	0.53	1346.53	4/13/2017 11:55	0.53	16.54	16.54	0.223	0.223	-0.37	0	0	26.47	0	0	0	0	2.87	0.718	5.763
J2125	0.05	0.81	1375.81	4/13/2017 12:00	0.81	41.35	228.05	0.502	3.04	-0.366	0	0	25.19	0	0	0	0	44.8	0.383	5.09
J2131	0.05	0.79	1332.36	4/13/2017 11:55	0.79	0	63.01	0	0.943	-0.078	0	0	24.21	0	0	0	0	12.95	0.935	4.866
J2134	0.04	0.7	1378.5	4/13/2017 12:00	0.7	18.59	188.97	0.258	2.53	-0.335	0	0	25.3	0	0	0	0	37.53	0.235	5.035
J2136	0.02	0.33	1405.07	4/13/2017 11:55	0.33	50.27	50.27	0.489	0.489	-0.102	0	0	17.67	0	0	0	0	9.63	0.915	5.22
J2140	0.03	0.38	1395.75	4/13/2017 11:55	0.38	16.75	66.69	0.182	0.672	-0.186	0	0	17.62	0	0	0	0	12.68	1.462	5.259
J2153	0.03	0.62	1388.63	4/13/2017 12:00	0.62	16.21	170.8	0.219	2.26	-0.249	0	0	25.38	0	0	0	0	33.64	0.205	5.077
J2158	0.16	0.6	1340.45	4/13/2017 12:04	0.6	18.8	214.49	0.271	4.88	-0.402	0	0	16.4	0	0	0	0	64.57	6.26	3.322
J2160	3.03	3.19	1345.19	4/13/2017 12:00	3.19	34.33	66.73	0.617	4.12	-0.145	0	0	14.81	0	0	0	0	55.08	4.06	1.212
J2162	0.07	0.92	1389.98	4/13/2017 12:00	0.92	37.87	154.82	0.505	2.04	-0.358	0	0	25.08	0	0	0	0	30.33	0.2	5.105
J2170	0.33	2.23	1369.17	4/13/2017 12:22	2.23	55.64	55.64	0.824	0.824	-0.296	0	0	6.77	0	0	0	0	11.35	0.809	4.902
J2174	0.22	3.18	1347.18	4/13/2017 12:04	3.17	12.62	209.09	0.196	4.6	-0.105	0	0	12.82	0	0	0	0	61.04	5.874	3.425
J2176	0.05	0.55	1378.56	4/13/2017 11:57	0.55	0	154.42	0	2	-0.345	0	0	19.45	0	0	0	0	29.05	2.632	5.316
J2183	0.11	0.68	1384.69	4/13/2017 11:56	0.68	56.65	154.26	0.667	2	-0.223	0	0	20.32	0	0	0	0	29.05	2.632	5.31
J2185	0.09	2.18	1347.18	4/13/2017 12:04	2.17	54.88	269.25	0.845	4.4	-0.242	0	0	19.82	0	0	0	0	58.47	5.596	4.605
J2197	0.06	0.72	1391.44	4/13/2017 11:56	0.72	36.9	101.87	0.397	1.33	-0.098	0	0	20.28	0	0	0	0	19.27	1.861	5.286
J22	0.17	0.51	1273.4	4/13/2017 13:46	0.5	0	40.79	0	5.46	0.036	0	0	14.49	0	0	0	0	90.66	5.859	0.45
J2205	0.06	0.4	1366.66	4/13/2017 12:03	0.4	0	41.64	0	0.691	0.17	0	0	11.6	0	0	0	0	9.61	0.626	4.333
J2207	0.03	0.46	1383.48	4/13/2017 11:58	0.46	27.45	112.3	0.385	1.63	-0.442	0	0	21.54	0	0	0	0	21.52	3.217	5.218
J2214	0.08	0.64	1356.15	4/13/2017 12:00	0.64	26.93	215.12	0.411	3.52	-0.891	0	0	21.36	0	0	0	0	47.05	4.597	4.572

Junctions SWMM 10-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2216	0.04	0.47	1368.41	4/13/2017 12:00	0.47	42.12	42.12	0.682	0.682	-1.288	0	0	10.53	0	0	0	0	9.61	0.626	4.383
J2218	0.09	0.75	1388.26	4/13/2017 11:56	0.75	0	86.21	0	1.24	-0.365	0	0	28.25	0	0	0	0	15.96	2.793	5.402
J2220	0.05	1.1	1399.27	4/13/2017 12:00	1.1	50.12	117.28	0.622	1.53	-0.195	0	0	21.9	0	0	0	0	22.69	0.197	5.169
J2223	0.09	0.65	1358.27	4/13/2017 12:00	0.65	33.89	69.55	0.496	1.19	-1.474	0	0	16.35	0	0	0	0	16.78	0.9	4.145
J2227	0.05	0.66	1360.26	4/13/2017 11:56	0.66	58.5	188.25	0.728	3.11	-0.101	0	0	20.34	0	0	0	0	41.11	4.341	4.579
J2229	0.07	0.68	1395.13	4/13/2017 11:55	0.68	0	87.38	0	1.23	-0.284	0	0	31.32	0	0	0	0	15.96	2.793	5.475
J2235	0.1	0.8	1361.8	4/13/2017 12:00	0.8	0	135.12	0	2.38	-0.164	0	0	20.2	0	0	0	0	31.55	3.457	4.283
J2237	0.27	4.28	1386.89	4/13/2017 11:55	4.28	56.07	56.07	0.688	0.688	-0.015	0	0	6.72	0	0	0	0	9.01	1.501	6.223
J2243	0.08	0.44	1400.22	4/13/2017 11:55	0.44	66.26	66.26	0.934	0.934	-0.094	0	0	14.56	0	0	0	0	13.07	1.708	5.07
J2246	0.09	0.62	1365.63	4/13/2017 12:00	0.62	26.35	135.28	0.292	2.37	-0.172	0	0	25.38	0	0	0	0	31.55	3.457	4.288
J2250	0.04	0.51	1400.32	4/13/2017 11:55	0.51	88.1	88.1	1.23	1.23	-0.045	0	0	31.49	0	0	0	0	15.96	2.793	5.52
J2252	0.04	0.6	1401.79	4/13/2017 12:00	0.6	67.79	67.79	0.905	0.905	-0.068	0	0	18.4	0	0	0	0	13.47	0.139	5.033
J2269	0.03	0.33	1371.98	4/13/2017 12:00	0.33	35.21	35.21	0.533	0.533	-0.698	0	0	21.67	0	0	0	0	7.23	0.606	4.87
J2272	0.03	0.4	1356.97	4/13/2017 12:00	0.4	16.88	51.68	0.256	0.793	-2.147	0	0	21.6	0	0	0	0	10.66	0.917	4.848
J2274	0.05	0.68	1368.75	4/13/2017 12:00	0.68	21.61	113.5	0.296	2.08	-0.134	0	0	25.32	0	0	0	0	27.67	3.165	4.102
J2290	0.06	0.5	1372.5	4/13/2017 12:00	0.5	60.91	93.33	0.896	1.78	-0.244	0	0	23.5	0	0	0	0	23.89	2.712	3.907
J23	0.44	2.8	1293.8	4/13/2017 12:29	2.8	25.85	92.3	0.362	3.78	-0.133	0	0	16.2	0	0	0	0	51.58	3.371	1.789
J24	0.1	0.73	1302.58	4/13/2017 12:00	0.73	22.51	179.81	0.296	2.57	-0.091	0	0	12.27	0	0	0	0	45.45	7.996	3.956
J25	0.16	0.71	1289.05	4/13/2017 12:27	0.71	0	180.64	0	4.3	-2.537	0	0	29.29	0	0	0	0	96.94	3.681	1.863
J26	1.51	3.35	1306.03	4/13/2017 13:31	3.35	0	298.41	0	21.5	7.228	0	0	6.65	0	0	0	0	1333.52	27.051	0.224
J2692	1.77	3.61	1340.78	4/13/2017 12:03	3.61	46.13	295.68	0.602	4.32	-0.623	0	0	29.39	0	0	0	0	56.42	9.439	5.241
J2693	0.03	0.47	1323.03	4/13/2017 12:04	0.47	0	160.44	0	2.68	-1.668	0	0	11.53	0	0	0	0	44.22	0.646	3.628
J2694	0.16	2.78	1296.78	4/13/2017 12:04	2.78	19.7	126.7	0.236	1.95	0.293	0	0	17.22	0	0	0	0	24.44	3.427	5.184
J2696	0.1	0.81	1324.81	4/13/2017 11:55	0.81	37.52	138.48	0.415	2.35	-0.375	0	0	27.19	0	0	0	0	30.41	3.152	4.554
J2698	0.06	0.64	1287.64	4/13/2017 12:04	0.64	0	92.8	0	1.5	-0.455	0	0	10.36	0	0	0	0	22.11	1.432	4.197
J2699	0.1	0.98	1272.98	4/13/2017 12:00	0.98	65.76	65.76	0.992	0.992	-0.591	0	0	23.02	0	0	0	0	13.23	1.247	4.971
J27	0.09	0.64	1307.61	4/13/2017 11:56	0.64	29.61	133.75	0.403	1.89	-0.081	0	0	12.36	0	0	0	0	32.26	6.458	4.146
J2705	0.23	1.51	1314	4/13/2017 12:01	1.51	20.62	376.13	0.287	7.59	-0.031	0	0	23.49	0	0	0	0	94.13	18.052	3.996
J2706	3.86	11.91	1274.21	4/13/2017 15:48	11.91	12.75	9946.74	0.078	969	0.018	0	0	30.09	0	0	0	0	541.36	40.84	18.374
J2707	0.4	1.71	1270.11	4/13/2017 12:29	1.71	26.93	592.6	0.222	38.3	-0.018	0	0	26.29	0	0	0	0	1656.15	37.249	0.358
J2712	2.13	7.76	1269.76	4/13/2017 13:44	7.76	0	4202.59	0	287	-0.006	0	0	25.24	0	0	0	0	757.82	32.815	5.546
J2714	0.06	0.48	1305.78	4/13/2017 12:06	0.48	0	36.71	0	1.29	-0.878	0	0	12.52	0	0	0	0	21.38	1.725	1.717
J2718	0.1	0.83	1294.83	4/13/2017 12:06	0.83	0	117.88	0	2.58	-0.793	0	0	13.17	0	0	0	0	43.7	2.65	2.697
J2720	0.1	0.58	1309.58	4/13/2017 12:02	0.58	0	81.17	0	1.46	-0.375	0	0	11.42	0	0	0	0	26.79	4.098	3.03
J2722	2.11	3.16	1278.16	4/13/2017 14:21	3.16	18.12	108.13	0.184	5.16	-3.071	0	0	26.84	0	0	0	0	88.12	5.594	1.227
J2723	0.24	0.76	1281.76	4/13/2017 12:19	0.76	25.17	55.91	0.181	0.666	-9.528	0	0	21.24	0	0	0	0	25.3	1.137	2.21
J2724	0.57	1.64	1294.64	4/13/2017 13:42	1.64	35.04	173.39	0.528	19.8	0.539	0	0	18.36	0	0	0	0	1355.07	28.491	0.128
J2726	0.05	0.25	1262.59	4/13/2017 12:03	0.25	8.01	20.69	0.059	0.526	-2.18	0	0	11.75	0	0	0	0	24.45	2.144	0.846
J2729	0.85	1.01	1345.19	4/13/2017 12:00	1.01	20.65	49.56	0.275	3.5	-0.211	0	0	16.99	0	0	0	0	46.97	3.062	1.055
J2732	2.65	9.35	1269.35	4/13/2017 15:50	9.35	38.6	9946.49	0.299	969	0.046	0	0	18.65	0	0	0	0	564.77	43.358	17.612
J2734	0.2	0.97	1307.62	4/13/2017 12:04	0.97	0	213.42	0	6.31	0.168	0	0	11.03	0	0	0	0	142.79	5.198	1.495
J2736	0.07	0.66	1326.66	4/13/2017 12:01	0.66	32.08	111.01	0.37	1.58	-1.672	0	0	18.34	0	0	0	0	29.05	0	3.821
J2737	0.08	0.51	1344.51	4/13/2017 11:55	0.51	52.75	65.11	0.576	1.25	-0.194	0	0	107.49	0	0	0	0	24.67	2.91	2.639
J2739	0.07	1.11	1292.49	4/13/2017 12:04	1.11	25.54	107.42	0.467	2.13	-0.529	0	0	16.89	0	0	0	0	32.17	0.809	3.339
J2740	0.1	0.83	1275.59	4/13/2017 12:03	0.83	59.43	105.82	0.967	1.66	-8.781	0	0	11.17	0	0	0	0	25.68	0.026	4.121
J2746	0.06	0.63	1342.63	4/13/2017 12:00	0.63	0	103.9	0	1.24	-1.083	0	0	28.37	0	0	0	0	23.57	3.483	4.408
J2748	0.03	0.26	1306.8	4/13/2017 12:06	0.26	5.33	39.18	0.049	0.467	-8.8	0	0	15.74	0	0	0	0	16.68	0.004	2.349
J2750	0.1	0.93	1288.01	4/13/2017 12:00	0.93	22.37	168.81	0.194	2.54	-0.448	0	0	19.07	0	0	0	0	41.92	5.06	4.027
J2751	0.66	1.53	1290.42	4/13/2017 13:05	1.53	39.2	63.33	0.629	1.15	-2.973	0	0	6.47	0	0	0	0	15.82	0.944	4.003
J2753	0.06	0.9	1321.95	4/13/2017 11:56	0.9	37.76	142.52	0.467	2.03	-0.76	0	0	24.1	0	0	0	0	26.27	2.992	5.425
J2754	0.06	0.85	1288.85	4/13/2017 12:00	0.85	0	142.95	0	1.9	-0.38	0	0	25.15	0	0	0	0	30.75	3.806	4.649
J2756	1.22	5.53	1284.53	4/13/2017 13:36	5.53	0	4173.33	0	279	-0.007	0	0	11.47	0	0	0	0	606.91	24.663	6.876
J2772	0.78	2.24	1306.03	4/13/2017 13:30	2.24	0	97.72	0	2.11	9.395	0	0	10.76	0	0	0	0	23.96	0.004	4.078
J2774	0.12	0.91	1286.91	4/13/2017 12:00	0.91	41.7	326.56	0.524	4.56	-0.313	0	0	22.09	0	0	0	0	79.29	13.518	4.119
J2776	0.1	1.28	1357.28	4/13/2017 11:57	1.28	43.14	270.12	0.435	3.32	-0.137	0	0	38.72	0	0	0	0	58.76	7.319	4.597
J2778	0.27	1.28	1299.28	4/13/2017 12:07	1.28	0	94.08	0	3.75	-1.678	0	0	14.72	0	0	0	0	58.73	6.107	1.602
J2779	0.21	1.72	1286.17	4/13/2017 12:05	1.71	17.96	484.54	0.217	10.3	-0.235	0	0	23.28	0	0	0	0	125.32	24.382	3.866
J2781	3.69	13.46	1280.46	4/13/2017 15:45	13.46	17.45	9946.1	0.109	955	0.06	0	0	13.54	0	0	0	0	238.05	14.105	41.782

Junctions SWMM 10-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2789	1.76	9.92	1280.94	4/13/2017 14:44	9.92	19.91	270.51	0.211	9.91	-0.161	0	0	41.08	0	0	0	0	89.65	5.747	3.017
J2790	6.08	16.12	1279.12	4/13/2017 14:44	16.12	34.99	19872.55	0.384	1980	0.084	0	0	38.88	0	0	0	0	570.08	31.912	34.859
J2793	1.61	7.15	1296.17	4/13/2017 13:29	7.15	21.73	4176.5	0.159	277	-0.02	0	0	44.85	0	0	0	0	537.16	23.499	7.775
J2795	0.46	1.8	1293.89	4/13/2017 12:05	1.8	22.18	232.76	0.254	8.63	-0.949	0	0	14.2	0	0	0	0	133.47	8.332	1.744
J2796	0.11	0.52	1292.16	4/13/2017 12:17	0.52	0	112.56	0	2.35	-0.553	0	0	10.48	0	0	0	0	40.39	2.452	2.787
J2797	0.03	0.41	1289.19	4/13/2017 12:06	0.41	10.58	76.23	0.094	1.6	-0.572	0	0	11.59	0	0	0	0	44.15	0.59	1.727
J2798	0.07	0.68	1303.09	4/13/2017 12:00	0.68	34.27	80.74	0.394	2.69	-0.116	0	0	24.32	0	0	0	0	36	2.727	2.243
J28	0.18	1.25	1323.25	4/13/2017 12:18	1.25	0	152.13	0	2.39	-0.369	0	0	11.75	0	0	0	0	33.66	1.659	4.52
J2802	0.08	0.88	1358.85	4/13/2017 12:06	0.88	19.17	260.63	0.306	6.52	-0.071	0	0	23.12	0	0	0	0	89.02	8.429	2.928
J2803	0.06	0.57	1339.06	4/13/2017 11:55	0.57	29.47	63.3	0.321	0.942	-0.108	0	0	17.43	0	0	0	0	12.95	0.935	4.888
J2807	0.38	2.54	1350.67	4/13/2017 12:24	2.54	27.62	142.97	0.316	2.33	0.564	0	0	14.46	0	0	0	0	32.1	1.839	4.454
J2812	0.03	0.22	1292.76	4/13/2017 11:55	0.22	8.51	8.51	0.145	0.145	-1.415	0	0	13.78	0	0	0	0	2.24	0.032	3.799
J2817	0.34	2.92	1317.92	4/13/2017 12:10	2.92	0	309.4	0	10	-0.014	0	0	16.08	0	0	0	0	373.68	13.843	0.828
J2820	0.72	2.14	1306.14	4/13/2017 13:22	2.14	26.03	273.07	0.504	8.48	2.863	0	0	8.86	0	0	0	0	174.65	6.391	1.564
J2823	0.08	0.57	1310.57	4/13/2017 11:55	0.57	41.09	106.9	0.583	1.49	-0.15	0	0	12.43	0	0	0	0	25.44	5.286	4.202
J2829	0.35	3.71	1302.71	4/13/2017 12:12	3.71	31.64	138.69	0.507	4.45	-0.125	0	0	23.29	0	0	0	0	79.83	8.432	1.737
J2831	0.19	1.15	1290.15	4/13/2017 12:06	1.15	0	224.4	0	9.1	-0.42	0	0	15.85	0	0	0	0	140.69	9.875	1.595
J2835	0.06	0.56	1276.65	4/13/2017 12:00	0.56	12.94	115.47	0.17	1.87	-0.391	0	0	13.44	0	0	0	0	38.77	3.874	2.978
J2842	1.26	5.6	1301.6	4/13/2017 13:31	5.6	16.12	4030.8	0.15	258	0.001	0	0	20.4	0	0	0	0	42.5	1.316	94.842
J2846	4.85	15.47	1257.72	4/13/2017 15:27	15.47	35.32	27658.16	0.603	2990	0.085	0	0	35.53	0	0	0	0	2232.33	191.465	12.39
J2851	0.11	1.39	1300.39	4/13/2017 11:57	1.39	83.26	349.98	1.16	5.26	-0.106	0	0	19.61	0	0	0	0	69.44	6.079	5.04
J2857	0.2	1.07	1307.32	4/13/2017 12:05	1.07	46.61	248.28	0.819	7.66	-0.234	0	0	10.93	0	0	0	0	163.2	6.011	1.521
J2860	0.08	0.99	1280.77	4/13/2017 12:00	0.99	33.4	340.54	0.419	8.09	-0.045	0	0	24.01	0	0	0	0	106.73	9.461	3.191
J2861	0.1	0.71	1312.23	4/13/2017 12:00	0.71	173.9	173.9	5.4	5.4	-0.156	0	0	11.29	0	0	0	0	128.98	5.198	1.348
J2864	3.67	12.23	1263.22	4/13/2017 15:10	12.21	80.13	27847.93	1.16	2950	0.04	0	0	53.77	0	0	0	0	1433.62	99.695	19.425
J2869	3.94	13.24	1268.09	4/13/2017 15:00	13.24	3.6	19696.45	0.05	1980	0.055	0	0	104.76	0	0	0	0	676.02	38.467	29.136
J2870	0.22	0.67	1301.68	4/13/2017 13:31	0.67	0	170.44	0	18.4	0.036	0	0	10.33	0	0	0	0	1333.52	27.051	0.128
J2878	0.09	0.87	1368.87	4/13/2017 12:00	0.87	55.37	316.5	0.8	4.45	-0.684	0	0	26.13	0	0	0	0	61.37	6.774	5.157
J2882	0.72	2.07	1287.29	4/13/2017 12:07	2.07	38.16	348.05	0.483	26	0.067	0	0	17.93	0	0	0	0	1456.34	32.095	0.239
J2885	0.07	0.83	1280.23	4/13/2017 12:01	0.83	24.7	206.34	0.348	3.39	-0.231	0	0	24.17	0	0	0	0	50.35	6.582	4.098
J2886	0.24	1.7	1304.7	4/13/2017 12:03	1.7	60.79	403.42	0.786	15.6	-0.253	0	0	23.3	0	0	0	0	448.01	19.458	0.9
J2887	2.98	11.72	1272.22	4/13/2017 14:50	11.72	0	19850.12	0	1980	0.034	0	0	17.28	0	0	0	0	634.58	37.727	31.281
J2891	0.46	3.6	1296.78	4/13/2017 12:04	3.6	0	576.45	0	18.6	-0.087	0	0	13.4	0	0	0	0	243.55	22.026	2.367
J2893	2.94	10.8	1285.55	4/13/2017 14:40	10.8	0	19877.27	0	1970	0.033	0	0	24.2	0	0	0	0	295.37	12.261	67.296
J2894	0.33	1.49	1307.62	4/13/2017 12:02	1.49	0	424.72	0	14.8	-0.098	0	0	34.51	0	0	0	0	195.8	16.616	2.169
J2898	0.1	0.74	1254.77	4/13/2017 12:04	0.74	13.29	177.55	0.126	4.2	-0.721	0	0	31.26	0	0	0	0	171.23	11.847	1.037
J2899	1.53	7.15	1291.27	4/13/2017 13:34	7.15	22.19	4180.19	0.194	278	0.056	0	0	44.85	0	0	0	0	561.59	23.502	7.443
J2900	0.03	0.28	1261.28	4/13/2017 12:10	0.28	13.78	55.09	0.144	1.14	-0.759	0	0	13.72	0	0	0	0	55.65	3.587	0.99
J2901	0.15	0.79	1302.79	4/13/2017 12:07	0.79	5.4	36.09	0.062	1.36	-0.697	0	0	12.21	0	0	0	0	22.65	1.858	1.593
J2902	0.59	1.94	1264.79	4/13/2017 12:34	1.94	50.02	836.72	0.619	52.4	-0.165	0	0	23.06	0	0	0	0	1907.07	47.333	0.439
J2905	0.08	0.92	1285.92	4/13/2017 12:00	0.92	20.06	212.46	0.209	5.47	-0.315	0	0	26.08	0	0	0	0	75.2	4.602	2.825
J2907	0.06	0.4	1284.4	4/13/2017 12:01	0.4	19.34	19.34	0.333	0.333	-1.094	0	0	10.6	0	0	0	0	108.49	6.603	0.178
J2913	4.02	13.62	1289.12	4/13/2017 14:37	13.62	58.91	19883.08	0.52	1970	0.048	0	0	33.38	0	0	0	0	263.32	9.948	75.509
J2915	2.65	9.5	1264.5	4/13/2017 13:52	9.5	0	4170.86	0	289	-0.021	0	0	20.5	0	0	0	0	802.92	36.077	5.195
J2917	0.13	0.94	1301.24	4/13/2017 12:03	0.94	0	163.45	0	7.44	-0.035	0	0	16.06	0	0	0	0	109.68	5.121	1.49
J2919	0.59	2.85	1274.85	4/13/2017 12:25	2.85	62.08	556.22	0.828	34	0.003	0	0	28.15	0	0	0	0	1582.22	34.77	0.352
J2923	5.77	16.4	1259.4	4/13/2017 15:22	16.4	34.45	27986.56	0.57	2990	0.052	0	0	34.6	0	0	0	0	2181.01	185.82	12.832
J2924	1.14	7.44	1285.44	4/13/2017 15:37	7.44	8.43	243.79	0.048	9.26	-0.141	0	0	13.56	0	0	0	0	147.44	11.763	1.653
J2934	0.57	2.66	1280.16	4/13/2017 12:09	2.66	17	303.11	0.166	13.3	-0.395	0	0	46.34	0	0	0	0	221.24	22.866	1.37
J2936	3.52	11.98	1286.98	4/13/2017 14:40	11.98	19.78	19875.24	0.196	1970	0.021	0	0	34.02	0	0	0	0	266.17	9.951	74.671
J2937	3.89	12.92	1268.02	4/13/2017 15:43	12.92	18.65	9969.35	0.202	971	0.007	0	0	19.08	0	0	0	0	635.39	50.168	15.69
J2942	0.39	2.19	1279.19	4/13/2017 12:08	2.19	0	303.17	0	13.4	-0.134	0	0	36.81	0	0	0	0	221.24	22.866	1.37
J2945	4.53	14.03	1254.03	4/13/2017 15:36	14.03	0	27562.08	0	3000	0.031	0	0	20.97	0	0	0	0	2544.34	227.774	10.833
J2949	5.25	16.37	1251.37	4/13/2017 15:40	16.37	0.3	28838.08	0.006	3290	0.016	0	0	12.63	0	0	0	0	3582.93	274.53	8.049
J2952	0.3	0.73	1302.73	4/13/2017 13:31	0.73	0	170.44	0	18.4	0.009	0	0	10.27	0	0	0	0	1333.52	27.051	0.128
J2954	1.18	3.73	1280.11	4/13/2017 12:17	3.73	51.57	476.61	0.646	30.5	0.15	0	0	23.27	0	0	0	0	1527.47	32.968	0.312
J2956	3.08	10.9	1285.4	4/13/2017 14:41	10.9	0	19897.31	0	1980	0.065	0	0	33.1	0	0	0	0	396.01	21.079	50.244
J2959	0.29	2.46	1274.1	4/13/2017 12:09	2.46	24.27	1294.36	0.274	40.4	-0.028	0	0	25.54	0	0	0	0	516.37	59.748	2.507

Junctions SWMM 10-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2960	1.36	6.73	1255.66	4/13/2017 13:56	6.73	0.02	4169.3	0	291	0.006	0	0	19.27	0	0	0	0	890.28	40.185	4.683
J2962	0.69	1.97	1277.97	4/13/2017 12:13	1.97	0	334.02	0	14.5	-2.35	0	0	40.03	0	0	0	0	261.26	24.142	1.278
J2963	2.71	9.83	1253.83	4/13/2017 15:33	9.83	7.51	4157.7	0.156	291	-0.557	0	0	21.17	0	0	0	0	3151.85	232.619	1.319
J2965	4.34	14.41	1279.21	4/13/2017 14:44	14.41	30.62	19874.01	0.41	1980	0.029	0	0	47.59	0	0	0	0	562.76	31.826	35.315
J2966	0.07	0.39	1286.39	4/13/2017 12:30	0.39	27.73	120.03	0.555	5.83	-0.092	0	0	9.61	0	0	0	0	118.01	4.376	1.017
J2967	2.03	9.41	1273.36	4/13/2017 13:43	9.41	0	4230.75	0	286	-0.012	0	0	11.59	0	0	0	0	733.72	31.25	5.766
J2968	4.26	14.4	1285.44	4/13/2017 15:36	14.4	20.32	9969.22	0.214	958	0.038	0	0	19.6	0	0	0	0	199.02	12.688	50.092
J2971	3.74	12.91	1255.41	4/13/2017 15:28	12.91	92.88	27624.32	1.2	3000	0.081	0	0	34.09	0	0	0	0	2385.35	211.463	11.581
J2972	3.49	12.34	1287.59	4/13/2017 14:40	12.34	0	19877.22	0	1970	0.027	0	0	34.66	0	0	0	0	263.32	9.948	75.487
J2973	2.79	10.44	1286.44	4/13/2017 15:32	10.44	13.08	9969.74	0.131	949	0.015	0	0	25.56	0	0	0	0	83.18	0.991	119.857
J2976	0.77	3.9	1275.9	4/13/2017 12:08	3.9	0	950.75	0	31.7	-0.221	0	0	24.1	0	0	0	0	402.44	50.036	2.362
J2977	0.91	3.21	1274.21	4/13/2017 12:27	3.21	0	600.18	0	36.9	-0.01	0	0	22.79	0	0	0	0	1631.31	37.221	0.368
J2978	4.63	13.5	1254.59	4/13/2017 15:36	13.5	0.21	27586.37	0.004	3000	0.05	0	0	23.5	0	0	0	0	2501.97	223.678	11.026
J2982	0.37	1.26	1288.26	4/13/2017 12:07	1.26	36.71	220.15	0.42	23	0.102	0	0	14.74	0	0	0	0	1404.98	29.446	0.157
J2984	4.57	12.63	1275.15	4/13/2017 15:48	12.63	0	9946.77	0	968	0.007	0	0	29.37	0	0	0	0	520.27	38.604	19.118
J2989	1.46	6.99	1296.61	4/13/2017 13:29	6.99	36.73	4174.71	0.307	275	-0.01	0	0	43.01	0	0	0	0	508.79	21.167	8.205
J2990	0.49	1.86	1265.86	4/13/2017 12:32	1.86	61.14	787.7	0.83	49.4	-0.061	0	0	23.14	0	0	0	0	1856.22	45.633	0.424
J2991	3.91	12.82	1262.82	4/13/2017 15:09	12.82	10.16	29210.4	0.137	2950	0.033	0	0	53.18	0	0	0	0	1440.67	100.39	20.276
J2994	5.34	16.43	1251.23	4/13/2017 15:40	16.43	0.06	28816.4	0.001	3290	0.015	0	0	24.57	0	0	0	0	3588.22	274.537	8.031
J2995	0.2	1.73	1319.81	4/13/2017 12:03	1.73	51.91	375.13	0.718	10.6	-0.604	0	0	23.27	0	0	0	0	141.25	11.396	2.656
J29951	0.26	1.75	1308.75	4/13/2017 12:02	1.75	0	426.87	0	14.8	-0.079	0	0	20.25	0	0	0	0	195.8	16.616	2.18
J2996	0.21	1.38	1314.17	4/13/2017 12:13	1.38	0	343.41	0	12.7	-0.013	0	0	20.62	0	0	0	0	169.53	13.624	2.026
J2997	0.32	3.39	1319.05	4/13/2017 12:13	3.39	22.9	455.86	0.312	12.7	-0.05	0	0	21.61	0	0	0	0	169.53	13.624	2.689
J2999	4.69	15.76	1251.76	4/13/2017 15:39	15.76	1.62	28966.93	0.03	3290	0.062	0	0	13.24	0	0	0	0	3578.82	274.491	8.094
J3	0.63	4.58	1385.08	4/13/2017 12:00	4.58	65.87	65.87	0.871	0.871	0.007	0	0	9.42	0	0	0	0	12.26	1.413	5.373
J30	2.47	9.79	1272.79	4/13/2017 15:48	9.79	10.2	9945.92	0.083	969	0.014	0	0	21.21	0	0	0	0	547.74	41.433	18.158
J3001	6.31	17.43	1253.68	4/13/2017 15:38	17.43	41.83	29035.91	0.489	3290	0.049	0	0	34.57	0	0	0	0	3503.62	270.129	8.287
J3002	4.25	14.04	1248.94	4/13/2017 15:43	14.04	0.26	28769.86	0.005	3290	0.068	0	0	24.96	0	0	0	0	3874.93	293.395	7.425
J3003	1.45	5.82	1255.82	4/13/2017 13:55	5.82	0	4168.83	0	289	-0.003	0	0	29.18	0	0	0	0	821.84	36.593	5.073
J3004	3.78	11.31	1265.25	4/13/2017 13:52	11.31	41.85	4199.97	0.395	289	-0.016	0	0	22.69	0	0	0	0	802.92	36.077	5.231
J3006	2.77	13.02	1277.06	4/13/2017 13:42	13.02	0	4167.21	0	281	-0.002	0	0	8.98	0	0	0	0	643.06	25.39	6.48
J3007	2.41	9.98	1306.18	4/13/2017 13:31	9.98	17.94	4030.81	0.204	258	0.004	0	0	10.02	0	0	0	0	38.45	1.048	104.833
J3018	0.74	4.2	1309.2	4/13/2017 12:03	4.2	18.5	462.03	0.325	7.03	-0.148	0	0	12.8	0	0	0	0	116.75	17.391	3.957
J3019	0.11	0.81	1306.28	4/13/2017 12:03	0.81	23.02	475.11	0.382	7.42	-0.07	0	0	16.19	0	0	0	0	120.91	18.56	3.929
J3020	0.14	1.9	1340.7	4/13/2017 12:03	1.9	36.45	271.48	0.58	4.93	-0.212	0	0	31.1	0	0	0	0	63.56	10.581	4.271
J3022	4.82	14.72	1265.72	4/13/2017 15:11	14.71	0	27842.59	0	2950	0.044	0	0	12.28	0	0	0	0	1392.7	96.443	19.992
J3023	4.27	13.38	1268.38	4/13/2017 15:44	13.38	16.45	9959.23	0.105	971	0.027	0	0	18.62	0	0	0	0	629.35	49.581	15.825
J3024	4.34	12.84	1276.83	4/13/2017 15:47	12.84	13.7	9948.01	0.076	970	0.043	0	0	26.16	0	0	0	0	520.27	38.604	19.121
J3025	4.54	14.83	1269.83	4/13/2017 15:00	14.83	49.34	19823.94	0.391	1990	0.149	0	0	15.17	0	0	0	0	674.15	38.21	29.406
J3026	8.2	18.95	1280.94	4/13/2017 14:44	18.95	31.43	19877.88	0.3	1990	0.078	0	0	43.05	0	0	0	0	552.76	30.156	35.961
J3027	1.89	9.94	1280.94	4/13/2017 14:44	9.94	0	267.63	0	7.12	-0.391	0	0	17.06	0	0	0	0	86.64	5.604	3.089
J3044	3.62	11.28	1306.28	4/13/2017 13:31	11.28	17.12	4032.09	0.212	258	0.024	0	0	13.72	0	0	0	0	27.61	0.406	146.037
J3049	4.67	14.78	1266.28	4/13/2017 15:12	14.78	0	19642.49	0	1970	0.051	0	0	12.22	0	0	0	0	676.02	38.467	29.056
J31	3.86	12.96	1268.96	4/13/2017 15:48	12.96	24.85	9952.63	0.333	969	0.019	0	0	19.04	0	0	0	0	587.49	46.682	16.941
J32	0.08	0.63	1270.07	4/13/2017 12:12	0.63	14.16	70.84	0.177	1.87	-0.882	0	0	25.37	0	0	0	0	36.46	2.87	1.943
J33	3.62	12.58	1267.4	4/13/2017 15:42	12.58	7.39	9976.29	0.04	971	0.042	0	0	19.42	0	0	0	0	642.07	50.665	15.538
J35	0.34	4.69	1324.69	4/13/2017 12:05	4.69	46.56	100.94	0.719	1.53	0.277	0	0	14.31	0	0	0	0	21.13	1.299	4.777
J36	1.92	7.8	1261.8	4/13/2017 13:53	7.8	11.92	4170.05	0.102	289	0.003	0	0	14.2	0	0	0	0	807.92	36.177	5.161
J37	0.49	3.53	1314.53	4/13/2017 12:33	3.53	46.81	282.92	0.649	11.8	0.079	0	0	15.47	0	0	0	0	396.18	15.51	0.714
J38	0.17	1.29	1311.29	4/13/2017 12:34	1.29	0	243.96	0	11.7	-0.066	0	0	15.71	0	0	0	0	396.18	15.51	0.616
J39	5.22	15.9	1250.5	4/13/2017 15:41	15.9	1.15	28798.18	0.024	3290	0.021	0	0	25.1	0	0	0	0	3605.21	275.709	7.988
J4	0.12	3.39	1383.64	4/13/2017 12:04	3.39	0	64.97	0	0.871	-0.254	0	0	10.61	0	0	0	0	12.26	1.413	5.299
J40	0.06	0.32	1319.07	4/13/2017 12:14	0.32	9.17	29.46	0.132	1.25	-3.829	0	0	8.68	0	0	0	0	33.39	2.295	0.882
J41	5.12	15.49	1249.99	4/13/2017 15:40	15.49	0.1	28748.03	0.002	3290	0.024	0	0	25.51	0	0	0	0	3611.78	275.722	7.96
J42	0.24	1.54	1290.54	4/13/2017 12:06	1.54	0	594.71	0	8.72	-1.087	0	0	64.46	0	0	0	0	191.79	17.143	3.101
J43	0.12	0.45	1337.45	4/13/2017 12:55	0.45	0	33.54	0	1.98	-0.127	0	0	16.55	0	0	0	0	26.74	2.315	1.254
J44	2.65	10.44	1306.44	4/13/2017 13:30	10.44	35.27	4027.22	0.483	257	0.057	0	0	10.56	0	0	0	0	12.65	0.227	318.357
J45	0.24	1.32	1248.32	4/13/2017 15:43	1.31	18.68	449.88	0.291	9.91	-0.22	0	0	16.68	0	0	0	0	118.64	19.182	3.792

Junctions SWMM 10-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J46	7.7	21.8	1247.05	4/13/2017 15:23	21.78	21.01	32826.08	0.21	3300	0.027	0	0	29.2	0	0	0	0	4043.09	317.678	8.119
J47	7.05	21.01	1240.55	4/13/2017 15:48	21.01	9.36	28682.13	0.068	3360	0.028	0	0	13.99	0	0	0	0	6267.81	379.747	4.576
J48	0.11	0.58	1325.58	4/13/2017 12:02	0.58	12.04	116	0.166	1.77	-0.959	0	0	13.42	0	0	0	0	31.58	0	3.673
J49	0.05	0.31	1319.99	4/13/2017 12:00	0.31	20.38	20.38	0.315	0.315	-3.07	0	0	9.69	0	0	0	0	4.72	0.099	4.318
J5	1.4	6.82	1276.83	4/13/2017 15:47	6.82	16.2	331.39	0.115	16.6	0	0	0	35.18	0	0	0	0	264.93	24.362	1.251
J55	0.2	2.61	1331.32	4/13/2017 12:05	2.61	0	53.34	0	0.77	0.225	0	0	20.39	0	0	0	0	11.64	1.097	4.582
J57	0.04	0.3	1326.21	4/13/2017 12:07	0.3	0	33	0	0.768	-2.039	0	0	11.7	0	0	0	0	11.64	1.097	2.835
J58	0.05	0.38	1315.61	4/13/2017 11:56	0.38	14.96	14.96	0.197	0.197	-2.945	0	0	21.62	0	0	0	0	2.71	0.339	5.52
J59	0.1	0.5	1327.05	4/13/2017 12:17	0.5	0	25.8	0	0.882	-0.129	0	0	20.5	0	0	0	0	10.81	1.784	2.387
J6	0.24	3.64	1383.64	4/13/2017 12:04	3.64	0	50.96	0	0.873	-0.619	0	0	10.36	0	0	0	0	12.26	1.413	4.157
J60	1.27	7.76	1248.43	4/13/2017 15:36	7.75	44.83	5598.97	0.826	124	0.102	0	0	18.24	0	0	0	0	129.67	21.599	43.179
J61	0.25	2.6	1331.6	4/13/2017 12:07	2.6	0	62.53	0	0.894	1.367	0	0	18.4	0	0	0	0	10.81	1.784	5.784
J62	0.28	2.02	1318.94	4/13/2017 12:36	2.02	0	32.89	0	0.784	-1.66	0	0	9.98	0	0	0	0	11.64	1.097	2.826
J63	0.07	0.26	1315.36	4/13/2017 12:37	0.26	0	15.03	0	0.798	-0.287	0	0	11.74	0	0	0	0	11.64	1.097	1.291
J65	0.1	0.34	1309.73	4/13/2017 12:44	0.34	0	30.86	0	1.82	-0.213	0	0	11.66	0	0	0	0	25.46	3.457	1.212
J66	0.45	2.09	1315.09	4/13/2017 12:15	2.09	51.49	183.75	0.848	3.57	-1.668	0	0	14.91	0	0	0	0	54.79	2.29	3.354
J68	0.02	0.2	1271.32	4/13/2017 12:00	0.2	39.62	39.62	0.561	0.561	-3.153	0	0	33.8	0	0	0	0	9.77	1.021	4.055
J69	0.08	0.7	1325.01	4/13/2017 12:04	0.7	19.65	136.31	0.406	3.88	-0.541	0	0	10.3	0	0	0	0	53.37	3.657	2.554
J7	0.11	0.38	1293.47	4/13/2017 12:00	0.38	11.03	29.54	0.137	0.403	-2.569	0	0	16.62	0	0	0	0	7.22	1.543	4.091
J70	5.28	16.17	1250.87	4/13/2017 15:40	16.17	0	28807.13	0	3290	0.06	0	0	24.83	0	0	0	0	3597.99	275.558	8.006
J71	0.03	0.33	1299.33	4/13/2017 12:14	0.33	0	82.88	0	1.95	-0.987	0	0	64.67	0	0	0	0	40.12	1.4	2.066
J725	1.26	6.86	1306.87	4/13/2017 13:30	6.86	37.25	4027.08	0.387	256	-0.01	0	0	19.14	0	0	0	0	5.68	0	708.993
J74	0.22	1.22	1249.22	4/13/2017 12:07	1.22	24.18	208.66	0.291	5.3	-0.584	0	0	17.78	0	0	0	0	193.25	13.502	1.08
J75	0.12	0.56	1322.06	4/13/2017 12:01	0.56	5.91	22.96	0.08	1.63	-0.499	0	0	6.44	0	0	0	0	24.3	1.614	0.945
J76	0.07	0.5	1254.32	4/13/2017 12:00	0.5	54.91	54.91	0.662	0.662	-2.287	0	0	24.5	0	0	0	0	15.09	1.539	3.639
J763	0.18	1.5	1321.99	4/13/2017 12:00	1.49	286.34	286.34	8.3	8.3	-0.032	0	0	21.5	0	0	0	0	349.87	12.194	0.818
J77	0.96	4.03	1304.03	4/13/2017 12:52	4.03	0	95.73	0	5.36	-0.388	0	0	14.97	0	0	0	0	77.13	4.449	1.241
J779	0.09	0.81	1354.85	4/13/2017 12:00	0.81	80.89	80.89	1.44	1.44	-0.063	0	0	37.19	0	0	0	0	20.88	1.241	3.874
J78	3.18	4.54	1318.54	4/13/2017 13:14	4.54	0	137.88	0	8.8	4.767	0	0	5.46	0	0	0	0	123.84	10.356	1.113
J785	0.2	1.52	1318.04	4/13/2017 12:09	1.52	0	282.27	0	8.3	0.036	0	0	21.48	0	0	0	0	349.87	12.194	0.807
J79	0.09	1	1293	4/13/2017 12:06	1	0	207.81	0	8.71	0.21	0	0	15	0	0	0	0	133.47	8.332	1.557
J797	0.05	0.65	1345.05	4/13/2017 11:55	0.65	0	80.48	0	1.44	-0.768	0	0	37.35	0	0	0	0	20.88	1.241	3.854
J8	0.03	0.37	1377.65	4/13/2017 12:05	0.37	0	34.79	0	0.879	-0.172	0	0	16.63	0	0	0	0	12.26	1.413	2.838
J801	0.02	0.3	1346.17	4/13/2017 12:00	0.3	31.14	31.14	0.425	0.425	-2.097	0	0	22.7	0	0	0	0	6.3	0.098	4.943
J805	0.03	0.23	1314.53	4/13/2017 12:00	0.23	23.57	23.57	0.531	0.531	-0.705	0	0	7.77	0	0	0	0	8.81	0	2.675
J81	0.43	1.52	1319.52	4/13/2017 12:06	1.52	36.96	310.2	0.597	9.32	-0.602	0	0	6.48	0	0	0	0	210.93	7.99	1.471
J810	0.52	3.46	1342.46	4/13/2017 12:22	3.45	32.56	103.36	0.492	1.96	-1.349	0	0	22.54	0	0	0	0	26.74	2.315	3.865
J814	0.18	1.97	1317.97	4/13/2017 12:10	1.97	0	269.37	0	8.3	-0.041	0	0	17.03	0	0	0	0	349.87	12.194	0.77
J816	0.45	1.54	1306.54	4/13/2017 12:41	1.54	356.36	452.62	6.33	10.8	6.221	0	0	23.46	0	0	0	0	1121.15	19.701	0.404
J819	0.08	0.91	1333.23	4/13/2017 12:00	0.91	0	54.89	0	0.793	-2.115	0	0	18.09	0	0	0	0	10.73	0.848	5.116
J828	0.09	1.45	1342.45	4/13/2017 12:23	1.45	0	79.8	0	1.47	-0.093	0	0	24.55	0	0	0	0	20.88	1.241	3.822
J83	0.31	1.6	1320.6	4/13/2017 12:28	1.6	0	126.04	0	4.98	-10.571	0	0	9.4	0	0	0	0	67.92	5.397	1.856
J830	0.03	0.35	1337.07	4/13/2017 12:00	0.35	55.13	55.13	0.792	0.792	-0.132	0	0	18.65	0	0	0	0	10.73	0.848	5.138
J832	0.03	0.22	1317.22	4/13/2017 12:02	0.22	17.12	17.12	0.218	0.218	-6.917	0	0	15.78	0	0	0	0	4.29	0	3.991
J835	0.52	3.92	1317.92	4/13/2017 12:10	3.92	42.74	288.88	0.568	10.6	-0.028	0	0	14.08	0	0	0	0	381.42	14.371	0.757
J837	0.06	0.73	1317.92	4/13/2017 12:10	0.73	17.92	73.98	0.215	1.74	-0.348	0	0	18.27	0	0	0	0	23.81	1.649	3.107
J839	0.67	5.37	1306.28	4/13/2017 13:31	5.37	49.24	49.24	0.771	0.865	-0.35	0	0	19.63	0	0	0	0	12	0	4.103
J84	0.03	0.47	1268.85	4/13/2017 12:00	0.47	40.25	40.25	0.464	0.464	-4.128	0	0	11.53	0	0	0	0	12.98	0.024	3.101
J842	0.25	1.8	1315.47	4/13/2017 12:11	1.8	0	281.35	0	10.6	-0.172	0	0	20.2	0	0	0	0	381.42	14.371	0.738
J844	0.05	0.59	1309.43	4/13/2017 12:00	0.59	54	54	0.881	0.881	-1.48	0	0	11.41	0	0	0	0	13.81	0	3.91
J848	0.4	1.39	1306.29	4/13/2017 12:44	1.39	26.04	146.05	0.359	10.5	-1.723	0	0	14.61	0	0	0	0	1127.09	19.704	0.13
J85	0.25	1.62	1306.62	4/13/2017 12:14	1.62	41.11	103.05	0.497	2.27	-1.316	0	0	14.38	0	0	0	0	30.38	2.581	3.392
J854	0.03	0.31	1312.79	4/13/2017 12:07	0.31	0	23.04	0	0.535	-1.319	0	0	9.69	0	0	0	0	8.81	0	2.615
J856	0.75	5.21	1306.18	4/13/2017 13:31	5.21	28.23	28.23	0.548	0.557	-0.439	0	0	2.79	0	0	0	0	7.82	0.638	3.61
J860	0.63	1.95	1306.03	4/13/2017 13:29	1.95	18.93	18.93	0.265	0.409	2.51	0	0	8.05	0	0	0	0	7.28	0	2.6
J862	0.13	1.22	1318.22	4/13/2017 12:08	1.22	0	296.08	0	9.38	-0.037	0	0	8.78	0	0	0	0	210.93	7.99	1.404
J867	0.05	0.47	1332.62	4/13/2017 12:00	0.47	50.31	79.96	0.691	1.13	-1.702	0	0	22.53	0	0	0	0	16.16	0.491	4.948
J87	0.21	3.13	1288.13	4/13/2017 12:01	3.13	29.36	212.73	0.38	3.03	-0.251	0	0	22.87	0	0	0	0	45.91	6.038	4.634

Junctions SWMM 10-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J870	0.33	2.56	1314.56	4/13/2017 12:32	2.56	30.58	297.9	0.436	11.1	-0.235	0	0	19.44	0	0	0	0	388.08	14.38	0.768
J873	0.01	0.36	1308.59	4/13/2017 12:00	0.36	21.5	21.5	0.182	0.182	-1.451	0	0	12.64	0	0	0	0	11.05	0.002	1.946
J875	0.02	0.26	1346.14	4/13/2017 12:00	0.26	28.88	28.88	0.377	0.377	-6.875	0	0	13.74	0	0	0	0	5.5	0.105	5.251
J877	0.08	0.64	1334.64	4/13/2017 12:00	0.64	57.02	57.02	0.678	0.678	-0.623	0	0	26.36	0	0	0	0	16.9	1.499	3.374
J879	0.07	0.65	1338.82	4/13/2017 12:00	0.64	114.15	114.15	1.69	1.69	-0.118	0	0	19.35	0	0	0	0	23.74	1.348	4.808
J88	1.37	3.62	1281.59	4/13/2017 12:14	3.62	64.8	695.9	0.684	13.4	-0.604	0	0	66.38	0	0	0	0	301.92	22.833	2.305
J882	0.07	0.67	1328.67	4/13/2017 12:02	0.67	21.16	125.89	0.34	3.46	-0.386	0	0	16.33	0	0	0	0	47.46	3.25	2.653
J896	0.05	0.5	1306.5	4/13/2017 12:06	0.5	14.54	255.19	0.25	7.92	-0.669	0	0	11.5	0	0	0	0	166.63	6.317	1.531
J9	1.68	2.14	1256.41	4/13/2017 14:07	2.14	14.68	70.66	0.188	1.84	27.061	0	0	12.86	0	0	0	0	61.67	3.56	1.146
J90	0.06	0.61	1299.54	4/13/2017 12:05	0.61	74.26	595.53	0.854	8.69	-0.297	0	0	62.39	0	0	0	0	191.79	17.143	3.105
J900	0.14	0.88	1308.57	4/13/2017 12:24	0.88	21.18	248.11	0.368	12.1	-0.07	0	0	15.12	0	0	0	0	400.64	16.31	0.619
J906	1.1	5.53	1301.16	4/13/2017 13:32	5.53	0	4030.71	0	258	0.002	0	0	15.47	0	0	0	0	42.5	1.316	94.84
J910	0.69	2.03	1306.03	4/13/2017 13:30	2.03	26.27	51.49	0.357	0.832	5.039	0	0	11.97	0	0	0	0	7.82	0.952	6.584
J92	0.28	1.65	1282.95	4/13/2017 12:09	1.65	153.36	725.72	1.69	12.6	-1.016	0	0	68.35	0	0	0	0	284.56	22.341	2.55
J921	0.05	0.36	1330.43	4/13/2017 12:00	0.35	40.28	40.28	0.613	0.613	-1.837	0	0	19.64	0	0	0	0	9.48	0.87	4.249
J925	0.1	1.11	1327.23	4/13/2017 12:00	1.11	34.66	139.82	0.459	2.06	-0.21	0	0	16.89	0	0	0	0	26.88	2.741	5.202
J927	0.27	0.83	1300.22	4/13/2017 13:33	0.83	18.04	170.82	0.306	18.7	0.131	0	0	17.17	0	0	0	0	1338.37	27.806	0.128
J93	0.12	0.97	1283.58	4/13/2017 12:02	0.97	0	188.5	0	3.04	-0.09	0	0	22.03	0	0	0	0	45.91	6.038	4.106
J931	0.08	0.63	1330.68	4/13/2017 12:00	0.63	16.63	107.53	0.23	1.59	-0.559	0	0	23.37	0	0	0	0	20.69	2.265	5.197
J935	0.14	1.24	1322.24	4/13/2017 12:00	1.24	163.82	163.82	4.8	4.8	-0.08	0	0	11.76	0	0	0	0	144.21	3.966	1.136
J937	0.04	0.51	1301.36	4/13/2017 12:00	0.51	17.59	39.6	0.347	0.761	-0.356	0	0	11.49	0	0	0	0	10.78	0.809	3.673
J94	0.01	0.07	1386.1	4/13/2017 12:04	0.07	28.55	28.55	0.265	0.265	-5.811	0	0	64.93	0	0	0	0	5.75	0.315	4.965
J946	1.45	5.76	1299.78	4/13/2017 13:32	5.76	29.45	4030.66	0.338	259	0.036	0	0	14.24	0	0	0	0	50.3	1.709	80.132
J950	0.04	0.59	1318.84	4/13/2017 12:00	0.59	51.75	189.54	0.618	2.68	-0.863	0	0	21.41	0	0	0	0	36.07	2.751	5.255
J953	0.15	0.83	1320.85	4/13/2017 12:02	0.83	0	157.24	0	4.8	-0.29	0	0	12.17	0	0	0	0	144.21	3.966	1.09
J955	0.08	0.71	1333.71	4/13/2017 12:00	0.71	21.87	135.58	0.341	2.03	-0.349	0	0	19.29	0	0	0	0	28.92	1.421	4.688
J959	0.06	0.55	1317.55	4/13/2017 12:01	0.55	24.68	80.24	0.451	1.13	-0.914	0	0	26.45	0	0	0	0	24.07	1.511	3.334
J96	0.44	5.83	1302.83	4/13/2017 12:02	5.82	0	421.26	0	8.53	-0.308	0	0	27.17	0	0	0	0	104.93	20.288	4.015
J964	0.05	0.46	1348.55	4/13/2017 11:55	0.46	93.07	93.07	1.36	1.36	-0.248	0	0	23.54	0	0	0	0	17.68	1.958	5.264
J968	0.03	0.37	1298.37	4/13/2017 12:00	0.37	38.42	38.42	0.573	0.573	-3.639	0	0	12.63	0	0	0	0	8.91	0.468	4.312
J97	0.02	0.2	1325.2	4/13/2017 12:00	0.2	8.86	8.86	0.137	0.137	-4.618	0	0	9.8	0	0	0	0	1.69	0.259	5.243
J971	0.03	0.3	1299.3	4/13/2017 11:59	0.3	36.39	36.39	0.725	0.725	-1.075	0	0	9.7	0	0	0	0	10.86	0.504	3.351
J973	0.07	0.84	1298.84	4/13/2017 12:01	0.84	31.83	69.4	0.527	1.29	-0.261	0	0	13.16	0	0	0	0	19.06	0.809	3.641
J975	0.05	0.53	1298.53	4/13/2017 12:01	0.53	44.6	44.6	0.614	0.614	-13.729	0	0	13.47	0	0	0	0	17.06	0.002	2.614
J978	0.37	2.44	1302.44	4/13/2017 12:06	2.44	19.61	387.81	0.209	15.9	-0.371	0	0	50.56	0	0	0	0	451.09	19.458	0.86
J98	0.05	0.72	1311.89	4/13/2017 12:00	0.72	30.25	30.25	0.355	0.355	-0.666	0	0	23.28	0	0	0	0	8.29	0.146	3.649
J980	0.06	0.87	1296.02	4/13/2017 12:02	0.87	19.41	86.8	0.354	1.65	-0.58	0	0	17.13	0	0	0	0	24.71	0.809	3.513
J982	0.26	1.17	1310.73	4/13/2017 12:08	1.17	0	331.61	0	11.4	-0.053	0	0	19.83	0	0	0	0	241.71	9.782	1.372
J986	0.13	0.69	1325.69	4/13/2017 12:01	0.69	23.64	155.97	0.336	2.37	-0.651	0	0	13.31	0	0	0	0	33.66	1.659	4.634
J988	0.05	0.62	1302.62	4/13/2017 12:00	0.62	94.15	94.15	1.32	1.32	-2.166	0	0	12.38	0	0	0	0	56.03	1.558	1.68
J99	0.29	3.68	1362.68	4/13/2017 12:09	3.68	0	425.15	0	6.22	-0.341	0	0	19.32	0	0	0	0	86.23	7.185	4.93
J990	0.05	0.46	1303.46	4/13/2017 12:05	0.46	0	68.14	0	1.22	-0.829	0	0	18.54	0	0	0	0	18.35	0.87	3.713
J992	0.08	0.64	1325.64	4/13/2017 12:11	0.64	0	52.23	0	1.55	-1.155	0	0	24.36	0	0	0	0	20.48	2.44	2.55
J994	0.07	0.45	1319.45	4/13/2017 12:00	0.45	26.12	26.12	0.503	0.503	-0.623	0	0	13.55	0	0	0	0	6.37	1.005	4.1
J996	0.3	0.92	1293.15	4/13/2017 13:43	0.92	28.68	171.41	0.547	20.2	0.098	0	0	19.08	0	0	0	0	1363.61	28.637	0.126
J998	0.06	0.29	1297.29	4/13/2017 12:10	0.29	0	37.72	0	0.733	-0.787	0	0	10.71	0	0	0	0	10.86	0.504	3.473
M10042417	0.09	0.45	1277.45	4/13/2017 12:00	0.45	34.87	34.87	0.934	0.934	-1.148	0	0	7.55	0	0	0	0	12.83	2.164	2.718
M1042417	0.03	0.32	1288.32	4/13/2017 12:00	0.32	36.36	36.36	0.685	0.685	-0.908	0	0	22.68	0	0	0	0	10.81	0.103	3.364
M11042417	0.09	0.6	1258.6	4/13/2017 12:00	0.6	87.02	87.02	1.62	1.62	-0.326	0	0	8.4	0	0	0	0	22.33	2.527	3.897
M12042417	1.03	4.11	1257.11	4/13/2017 12:45	4.11	31.66	890.33	0.371	61.9	0.028	0	0	18.89	0	0	0	0	2043.21	57.208	0.436
M13042417	0.04	0.39	1266.92	4/13/2017 12:00	0.39	50.5	50.5	0.684	0.684	-3.274	0	0	9.61	0	0	0	0	14.39	0.714	3.509
M14042417	0.05	0.49	1283.49	4/13/2017 12:00	0.49	36.26	36.26	0.589	0.589	-0.915	0	0	10.51	0	0	0	0	9.24	0	3.924
M15042417	0.03	0.16	1320.25	4/13/2017 12:07	0.16	13.08	13.08	0.176	0.176	-12.053	0	0	14.84	0	0	0	0	2.5	0.116	5.232
M16042417	0.08	0.31	1296.42	4/13/2017 12:12	0.31	32.4	37.13	0.575	0.775	-3.668	0	0	14.69	0	0	0	0	16.07	0.368	2.311
M18042417	0.73	3.05	1254.05	4/13/2017 12:47	3.05	11.95	890.28	0.16	62.5	-0.029	0	0	15.95	0	0	0	0	2058.64	57.444	0.432
M19042417	1.12	2.97	1252.79	4/13/2017 12:48	2.97	85.45	894.22	1.1	63.6	-0.088	0	0	17.03	0	0	0	0	2079.64	58.53	0.43
M20042417	0.49	1.77	1250.28	4/13/2017 12:49	1.77	58.32	898.1	0.752	64.4	-0.037	0	0	20.23	0	0	0	0	2097.12	59.175	0.428
M2042417	0.17	0.91	1283.08	4/13/2017 12:30	0.91	0	164.73	0	8.28	-0.115	0	0	27.09	0	0	0	0	160.06	5.898	1.029

Junctions SWMM 10-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
M21042417	0.71	2.79	1249.57	4/13/2017 12:49	2.79	55.5	902.93	0.789	65.2	-0.029	0	0	24.21	0	0	0	0	2110.74	59.649	0.428
M22042417	0.69	2.65	1246.53	4/13/2017 12:50	2.65	11.74	902.79	0.101	65.3	-0.025	0	0	24.35	0	0	0	0	2113.44	59.649	0.427
M23042417	0.78	2.91	1245.91	4/13/2017 12:51	2.91	24.51	903.04	0.249	65.6	-0.033	0	0	15.09	0	0	0	0	2120.77	59.803	0.426
M24042417	0.92	3.13	1245.38	4/13/2017 12:51	3.13	20.32	902.86	0.222	65.9	-0.027	0	0	10.87	0	0	0	0	2126.76	60.27	0.425
M25042417	0.91	2.84	1244.84	4/13/2017 12:52	2.84	8.6	902.61	0.095	66	-0.033	0	0	11.16	0	0	0	0	2130.18	60.328	0.424
M26042417	0.83	2.52	1244.23	4/13/2017 12:52	2.52	10.3	902.55	0.111	66.1	-0.037	0	0	12.48	0	0	0	0	2133.03	60.405	0.423
M27042417	1.11	3.52	1243.52	4/13/2017 12:53	3.52	30.57	904.19	0.42	66.5	-0.039	0	0	11.48	0	0	0	0	2144.74	60.943	0.422
M28042417	0.97	3.36	1243.34	4/13/2017 12:54	3.36	14.66	904.44	0.199	66.8	-0.043	0	0	14.64	0	0	0	0	2151.6	61.133	0.42
M29042417	0.56	2.05	1241.74	4/13/2017 12:54	2.05	15.07	906.61	0.268	67.1	-0.05	0	0	15.95	0	0	0	0	2161.03	61.437	0.42
M30042417	1.16	5.53	1241.53	4/13/2017 15:49	5.53	22.85	906.65	0.198	68.1	-0.551	0	0	26.47	0	0	0	0	2170.36	61.761	0.418
M3042417	0.3	1.19	1282.55	4/13/2017 12:30	1.19	32.31	169.95	0.473	8.76	-0.085	0	0	26.81	0	0	0	0	166.78	6.222	1.019
M31042417	5.64	18.64	1241.64	4/13/2017 15:48	18.63	0.2	28724.34	0.004	3300	0.044	0	0	29.36	0	0	0	0	4077.31	317.986	7.045
M32042417	6.92	20.53	1241.53	4/13/2017 15:47	20.53	0	28834.32	0	3370	0.057	0	0	14.47	0	0	0	0	6258.68	379.747	4.607
M40042417	0.11	0.67	1284.67	4/13/2017 12:29	0.67	87.78	164.94	2.44	8.27	-0.11	0	0	7.33	0	0	0	0	160.06	5.898	1.03
M4042417	0.45	1.34	1280.34	4/13/2017 12:01	1.34	39.39	192.98	0.751	9.52	-0.128	0	0	13.66	0	0	0	0	177.14	7.223	1.089
M41042417	0.47	2.27	1257.27	4/13/2017 12:45	2.27	39.65	886.18	0.629	60.8	-0.028	0	0	16.73	0	0	0	0	2022.3	56.056	0.438
M5042417	0.19	1.1	1279.1	4/13/2017 12:03	1.1	0	193.18	0	9.53	-0.113	0	0	10.9	0	0	0	0	177.14	7.223	1.091
M6042417	0.22	0.8	1279.08	4/13/2017 12:00	0.8	58.67	58.67	1.06	1.06	-0.428	0	0	20.2	0	0	0	0	15.03	1.063	3.904
M7042417	0.04	0.53	1278.53	4/13/2017 12:01	0.53	36.31	93.25	0.564	1.63	-0.936	0	0	20.47	0	0	0	0	23.14	1.461	4.03
M8042417	0.51	2.01	1275.01	4/13/2017 12:05	2.01	26.03	143.2	0.58	3.17	-0.885	0	0	8.99	0	0	0	0	44.12	4.437	3.246
M9042417	0.69	2.26	1260.21	4/13/2017 12:42	2.26	0	865.81	0	58.5	-0.006	0	0	17.74	0	0	0	0	1990.45	52.764	0.435
MAS1	0.05	0.59	1337.59	4/13/2017 11:55	0.59	55.18	55.18	0.578	0.578	-0.259	0	0	15.41	0	0	0	0	13.51	1.295	4.084
MAS10	0.27	1.72	1305.73	4/13/2017 12:05	1.72	23.91	557.55	0.3	7.78	-0.669	0	0	61.28	0	0	0	0	173.2	15.616	3.219
MAS100	0.38	2.47	1283.49	4/13/2017 12:09	2.47	69.38	1220.4	0.753	24.7	-0.332	0	0	53.53	0	0	0	0	351.02	38.361	3.477
MAS101	0.06	0.59	1376.85	4/13/2017 12:00	0.59	71.46	146.71	0.903	1.87	-0.473	0	0	49.41	0	0	0	0	38.47	4.111	3.814
MAS102	0.06	0.83	1347.52	4/13/2017 11:58	0.83	0	168.26	0	2.38	-0.4	0	0	35.17	0	0	0	0	31.66	2.788	5.315
MAS103	0.04	0.6	1284.6	4/13/2017 12:00	0.6	55.97	154.26	0.633	1.72	-0.304	0	0	13.4	0	0	0	0	42.11	1.464	3.663
MAS104	0.06	0.81	1375.59	4/13/2017 11:55	0.81	68.17	112.88	0.758	1.31	-0.477	0	0	51.19	0	0	0	0	20.64	2.269	5.469
MAS105	0.2	2.02	1304.82	4/13/2017 12:05	2.02	49.08	983.69	0.607	19	-0.113	0	0	26.98	0	0	0	0	262.58	28.264	3.746
MAS106	0.27	1.76	1312.76	4/13/2017 12:09	1.76	13.96	337.93	0.097	12.4	-0.023	0	0	18.24	0	0	0	0	266.58	23.157	1.268
MAS107	0.12	1.4	1336.4	4/13/2017 12:00	1.4	83.48	340.96	0.913	4.73	-0.457	0	0	26.6	0	0	0	0	64.43	4.211	5.292
MAS108	0.09	1.15	1365.15	4/13/2017 12:00	1.15	0	201.06	0	2.47	-0.219	0	0	37.85	0	0	0	0	51.77	5.179	3.884
MAS109	0.13	0.7	1378.96	4/13/2017 12:00	0.7	17.59	106.07	0.184	1.32	-0.166	0	0	18.3	0	0	0	0	28.04	3.579	3.783
MAS11	0.09	0.67	1396.77	4/13/2017 11:55	0.67	89.19	89.19	1.13	1.13	-0.022	0	0	15.33	0	0	0	0	22.96	3.226	3.885
MAS110	0.14	0.92	1355.7	4/13/2017 12:00	0.91	35.36	96.17	0.375	2.36	-0.395	0	0	24.08	0	0	0	0	49.76	4.039	1.933
MAS111	0.16	1.82	1320.82	4/13/2017 12:03	1.81	0	511.54	0	6.26	-0.162	0	0	35.18	0	0	0	0	143.58	11.415	3.563
MAS112	0.06	0.56	1330.32	4/13/2017 12:00	0.56	0	156.14	0	2.25	-0.327	0	0	22.44	0	0	0	0	46.78	2.133	3.338
MAS113	0.14	1.19	1326.31	4/13/2017 12:00	1.19	49.33	435.45	0.599	6.19	-0.487	0	0	21.81	0	0	0	0	82.04	6.94	5.308
MAS114	0.32	1.38	1340.9	4/13/2017 12:01	1.38	26.24	405.31	0.268	4.78	-0.775	0	0	30.62	0	0	0	0	108.44	8.975	3.738
MAS115	0.16	0.84	1344.84	4/13/2017 12:07	0.84	0	171.11	0	6.73	-0.097	0	0	26.16	0	0	0	0	101.08	11.965	1.693
MAS116	0.03	0.5	1339.5	4/13/2017 11:57	0.5	71.59	200.68	0.853	3.36	-0.599	0	0	23.5	0	0	0	0	54.61	4.482	3.675
MAS118	0.19	0.67	1360.67	4/13/2017 12:01	0.66	0	69.97	0	3.74	0.323	0	0	24.33	0	0	0	0	61.33	6.808	1.141
MAS119	0.31	1.7	1333.7	4/13/2017 12:02	1.69	40.09	332.79	0.473	9.68	-0.177	0	0	24.3	0	0	0	0	137.84	16.696	2.414
MAS12	0.16	1	1370	4/13/2017 12:00	1	60.55	201.94	0.596	2.47	-0.098	0	0	9	0	0	0	0	51.77	5.179	3.901
MAS120	0.12	1.34	1302.34	4/13/2017 12:05	1.34	10.96	1065.05	0.154	20.6	-0.096	0	0	31.66	0	0	0	0	286.63	32.198	3.716
MAS122	0.47	1.78	1286.78	4/13/2017 12:55	1.78	47.42	208.79	0.51	16.9	-0.153	0	0	21.22	0	0	0	0	363.16	27.125	0.575
MAS123	0.14	1.99	1312.99	4/13/2017 12:02	1.99	62.07	808.55	0.861	12.8	-0.141	0	0	23.01	0	0	0	0	169.92	19.398	4.758
MAS124	0.31	2.05	1356.05	4/13/2017 12:06	2.05	22.6	133.72	0.22	2.47	-0.707	0	0	6.95	0	0	0	0	57.85	5.703	2.311
MAS125	0.16	2.05	1318.1	4/13/2017 12:01	2.05	28.46	613.06	0.307	9.2	-0.151	0	0	20.95	0	0	0	0	124.81	10.642	4.912
MAS126	0.17	2.25	1307.25	4/13/2017 12:04	2.25	0	938.17	0	17.7	-0.141	0	0	23.75	0	0	0	0	245.55	26.232	3.821
MAS128	0.39	2.22	1283.22	4/13/2017 12:06	2.22	49.73	460.98	0.426	21.2	-0.247	0	0	23.78	0	0	0	0	451.66	30.671	1.021
MAS129	0.34	2.8	1306.92	4/13/2017 12:04	2.8	0	542.85	0	7.48	-0.103	0	0	9.2	0	0	0	0	166.62	14.97	3.258
MAS13	0.1	0.52	1379.42	4/13/2017 12:00	0.52	59.48	59.48	0.737	0.737	-0.02	0	0	13.48	0	0	0	0	16.41	1.442	3.625
MAS132	0.43	2.03	1281.03	4/13/2017 12:06	2.03	12.14	476.88	0.146	22.2	-0.314	0	0	31.97	0	0	0	0	471.43	32.105	1.012
MAS133	0.06	0.5	1337.5	4/13/2017 12:00	0.49	0	75.1	0	0.787	-0.389	0	0	20.5	0	0	0	0	17.88	0.594	4.2
MAS134	0.22	2.27	1369.98	4/13/2017 12:04	2.27	37.99	103.99	0.415	1.23	0.578	0	0	23.73	0	0	0	0	23.9	1.737	4.351
MAS135	0.59	4.14	1369.14	4/13/2017 12:28	4.1	13.22	122.8	0.129	1.93	-0.466	0	0	7.86	0	0	0	0	29.58	2.195	4.151
MAS1359	0.15	1.21	1326.21	4/13/2017 12:22	1.21	9.29	37.38	0.134	0.765	-0.599	0	0	7.79	0	0	0	0	12.31	0.763	3.037

Junctions SWMM 10-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
MAS136	0.05	0.3	1364.98	4/13/2017 12:28	0.3	0	29.12	0	1.46	-0.076	0	0	11.7	0	0	0	0	29.58	2.195	0.984
MAS137	0.2	3.9	1352.9	4/13/2017 12:07	3.9	24.74	154.36	0.274	1.68	1.795	0	0	26.1	0	0	0	0	28.26	1.431	5.462
MAS138	0.06	0.69	1345.67	4/13/2017 12:13	0.69	0	69.75	0	1.65	-0.034	0	0	24.31	0	0	0	0	28.26	1.431	2.468
MAS14	0.05	0.75	1356.75	4/13/2017 11:55	0.74	16.25	67.81	0.238	1.03	-0.065	0	0	42.25	0	0	0	0	12.98	1.777	5.224
MAS141	0.12	1.63	1328.94	4/13/2017 12:01	1.63	0	436.42	0	5.33	-0.02	0	0	57.37	0	0	0	0	121.03	9.858	3.606
MAS142	0.16	2.49	1369.49	4/13/2017 12:00	2.48	0	77.39	0	0.912	-0.162	0	0	8.51	0	0	0	0	18.97	1.818	4.08
MAS143	0.24	3.02	1369.15	4/13/2017 12:28	2.99	10.5	94.92	0.098	1.8	-0.065	0	0	8.98	0	0	0	0	27.07	1.87	3.506
MAS144	0.07	0.98	1314.78	4/13/2017 12:01	0.98	0	134	0	2.15	-0.051	0	0	13.02	0	0	0	0	26.52	5.878	5.053
MAS145	0.12	1.62	1317.62	4/13/2017 12:01	1.62	0	149.97	0	2.16	0.252	0	0	11.38	0	0	0	0	26.52	5.878	5.655
MAS147	0.12	0.67	1334.57	4/13/2017 12:00	0.67	0	139.65	0	2.81	-0.286	0	0	34.33	0	0	0	0	61.59	4.767	2.267
MAS148	0.1	0.62	1350.62	4/13/2017 12:00	0.62	0	94.46	0	1.17	-0.715	0	0	45.38	0	0	0	0	23.46	2.514	4.026
MAS150	0.07	0.38	1368.43	4/13/2017 12:00	0.38	12.38	82.61	0.115	1.01	-0.199	0	0	66.62	0	0	0	0	22.38	2.873	3.691
MAS151	0.04	0.5	1365.16	4/13/2017 12:00	0.5	0	81.62	0	1.02	-0.261	0	0	30.5	0	0	0	0	22.38	2.873	3.647
MAS152	0.3	2.41	1372.09	4/13/2017 12:07	2.41	24.09	128.15	0.244	1.59	0.695	0	0	12.59	0	0	0	0	34.93	4.14	3.669
MAS153	0.06	0.71	1368.71	4/13/2017 12:03	0.71	0	121.49	0	2.24	-0.365	0	0	14.29	0	0	0	0	50.29	5.349	2.416
MAS157	0.07	0.63	1374.71	4/13/2017 12:00	0.63	0	105.67	0	1.32	-2.297	0	0	14.37	0	0	0	0	28.04	3.579	3.769
MAS159	0.09	0.9	1376.73	4/13/2017 12:00	0.9	0	60.49	0	0.65	-0.378	0	0	10.1	0	0	0	0	15.36	1.209	3.938
MAS166	0.04	0.57	1390.3	4/13/2017 12:00	0.57	0	89	0	1.13	-0.076	0	0	18.43	0	0	0	0	22.96	3.226	3.876
MAS167	0.05	0.33	1353.07	4/13/2017 12:00	0.33	27.36	27.36	0.355	0.355	-1.921	0	0	12.67	0	0	0	0	6.24	0.645	4.385
MAS168	0.2	1.38	1330.19	4/13/2017 12:07	1.38	25.35	194.33	0.321	4.48	0.02	0	0	20.62	0	0	0	0	70.57	6.55	2.754
MAS169	0.05	0.52	1367.06	4/13/2017 11:55	0.51	75.5	75.5	0.854	0.854	-0.184	0	0	29.48	0	0	0	0	14.24	1.731	5.302
MAS17	0.02	0.4	1370.03	4/13/2017 12:00	0.4	77.49	77.49	0.912	0.912	-0.04	0	0	10.6	0	0	0	0	18.97	1.818	4.085
MAS170	0.02	0.36	1359.86	4/13/2017 12:00	0.36	52.02	52.02	0.792	0.792	-0.011	0	0	24.64	0	0	0	0	10.33	1.147	5.036
MAS171	0.16	0.89	1351.19	4/13/2017 12:01	0.89	0	115.8	0	2.37	-0.69	0	0	30.11	0	0	0	0	80.23	8.576	1.443
MAS175	0.03	0.6	1354.6	4/13/2017 12:06	0.6	13.02	93.04	0.106	1.24	-0.461	0	0	80.4	0	0	0	0	60.86	5.884	1.529
MAS176	0.09	0.5	1376.21	4/13/2017 12:00	0.5	17.13	63.79	0.239	1.02	-0.716	0	0	24.5	0	0	0	0	13.86	1.142	4.602
MAS177	0.29	4.57	1375.57	4/13/2017 11:58	4.57	0	78.62	0	1.08	0.045	0	0	13.43	0	0	0	0	14	1.461	5.616
MAS178	0.04	0.47	1368.67	4/13/2017 12:00	0.47	0	76.52	0	1.08	-0.461	0	0	17.53	0	0	0	0	14	1.461	5.466
MAS179	0.05	0.48	1360.39	4/13/2017 12:07	0.48	0	81	0	2.2	-0.109	0	0	16.52	0	0	0	0	29.04	4.497	2.789
MAS18	0.07	1.02	1351.06	4/13/2017 12:00	1.02	46.02	244.17	0.393	2.87	-0.308	0	0	37.98	0	0	0	0	63.16	5.486	3.866
MAS180	0.47	4.71	1368.71	4/13/2017 12:05	4.71	53.62	120.55	0.714	2.21	0.187	0	0	12.29	0	0	0	0	29.04	4.497	4.151
MAS181	0.14	0.77	1342.6	4/13/2017 11:55	0.77	62.48	153.85	0.85	2.14	-0.491	0	0	48.23	0	0	0	0	26.52	5.878	5.801
MAS182	0.08	0.56	1351.84	4/13/2017 11:55	0.56	0	74.52	0	0.855	-0.816	0	0	29.44	0	0	0	0	14.24	1.731	5.233
MAS183	0.02	0.39	1341.39	4/13/2017 12:01	0.39	30.15	111.39	0.276	1.55	-0.21	0	0	18.61	0	0	0	0	33.8	0.667	3.296
MAS184	0.07	0.78	1345.78	4/13/2017 12:00	0.78	48.49	141.07	0.434	2.8	-0.261	0	0	34.22	0	0	0	0	61.59	4.767	2.29
MAS185	0.28	1.28	1308.28	4/13/2017 12:10	1.28	23.64	366.39	0.207	13.4	-0.682	0	0	21.72	0	0	0	0	287.83	24.269	1.273
MAS19	0.02	0.36	1375.36	4/13/2017 12:00	0.36	71.11	71.11	0.898	0.898	-0.15	0	0	66.64	0	0	0	0	18.71	2.698	3.801
MAS2	0.89	4.05	1338.05	4/13/2017 12:00	4.05	29.73	425.61	0.29	5.11	-1.465	0	0	27.95	0	0	0	0	117.17	9.563	3.632
MAS20	0.07	0.65	1387.05	4/13/2017 11:55	0.65	96.96	96.96	1.34	1.34	-0.092	0	0	21.35	0	0	0	0	17.91	3.02	5.414
MAS21	0.05	0.49	1372.18	4/13/2017 12:01	0.49	0	59.47	0	0.653	-1.072	0	0	14.51	0	0	0	0	15.36	1.209	3.872
MAS22	0.01	0.24	1401.9	4/13/2017 12:00	0.24	19.94	19.94	0.221	0.221	-2.563	0	0	70.76	0	0	0	0	5.59	0.245	3.567
MAS23	0.16	1	1351.04	4/13/2017 11:55	1	87.27	168.98	1.11	2.38	-0.296	0	0	36	0	0	0	0	31.66	2.788	5.337
MAS24	0.06	0.94	1364.46	4/13/2017 12:00	0.94	19.35	94.78	0.25	1.16	-0.179	0	0	45.06	0	0	0	0	23.46	2.514	4.04
MAS26	0.02	0.27	1408.49	4/13/2017 12:00	0.27	33.94	33.94	0.413	0.413	-0.19	0	0	11.73	0	0	0	0	7.95	0.98	4.269
MAS27	0.08	0.53	1397.19	4/13/2017 12:00	0.53	27.56	61.11	0.232	0.645	-0.774	0	0	11.47	0	0	0	0	15.36	1.209	3.979
MAS29	0.12	0.69	1346.25	4/13/2017 12:01	0.69	0	86.77	0	1.45	0.023	0	0	9.31	0	0	0	0	22.67	1.802	3.828
MAS3	0.1	0.71	1327.25	4/13/2017 12:00	0.71	16.65	70.52	0.145	0.725	-2.596	0	0	24.29	0	0	0	0	17.35	1.509	4.065
MAS30	0.05	0.5	1391.71	4/13/2017 12:00	0.5	47.53	47.53	0.775	0.775	-0.044	0	0	10.5	0	0	0	0	10.67	0.866	4.455
MAS31	0.03	0.66	1379.66	4/13/2017 11:58	0.66	55.71	151.4	0.62	1.96	-0.463	0	0	21.34	0	0	0	0	26.51	3.59	5.711
MAS32	0.07	0.91	1330.22	4/13/2017 12:00	0.91	21.14	164.11	0.351	2.67	-0.162	0	0	24.09	0	0	0	0	38.49	3.539	4.264
MAS33	0.02	0.52	1361.52	4/13/2017 11:55	0.52	48.08	48.08	0.437	0.437	-0.134	0	0	24.48	0	0	0	0	10.2	0.131	4.714
MAS34	0.07	0.6	1374.6	4/13/2017 12:00	0.6	66.7	66.7	0.786	0.786	-2.964	0	0	25.4	0	0	0	0	14.99	0.879	4.45
MAS35	0.08	0.96	1363.06	4/13/2017 12:00	0.96	99.81	99.81	1.41	1.41	-0.366	0	0	31.04	0	0	0	0	19.6	1.215	5.092
MAS36	0.04	0.27	1375.24	4/13/2017 12:00	0.27	37.29	37.29	0.581	0.581	-0.231	0	0	10.73	0	0	0	0	10.31	1.137	3.617
MAS37	0.16	2.77	1342.33	4/13/2017 12:00	2.77	75.25	75.25	0.787	0.787	-0.007	0	0	18.23	0	0	0	0	17.88	0.594	4.209
MAS38	0.13	0.68	1358.4	4/13/2017 12:00	0.68	39.07	75.93	0.673	1.26	-0.901	0	0	15.32	0	0	0	0	19.96	1.713	3.804
MAS39	1.49	4.56	1375.49	4/13/2017 12:51	4.55	14.51	273.1	0.203	6.85	0.947	0	0	24.44	0	0	0	0	35.09	4.454	7.783
MAS4	0.08	1.32	1344.32	4/13/2017 12:00	1.31	47.3	288.92	0.452	3.33	-0.187	0	0	29.68	0	0	0	0	75.29	6.225	3.837

Junctions SWMM 10-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
MAS40	0.06	0.76	1337.15	4/13/2017 12:00	0.76	61.54	144.6	0.863	2.31	-0.164	0	0	24.24	0	0	0	0	34.2	2.81	4.228
MAS41	0.04	0.32	1345.99	4/13/2017 11:55	0.32	57.37	57.37	0.838	0.838	-0.405	0	0	11.68	0	0	0	0	9.78	1.979	5.866
MAS43	0.02	0.52	1353.58	4/13/2017 11:55	0.51	49.7	97.47	0.46	0.898	-0.147	0	0	30.48	0	0	0	0	20.92	0.34	4.659
MAS44	0.04	0.49	1382.9	4/13/2017 12:00	0.49	0	47.44	0	0.775	-0.127	0	0	14.51	0	0	0	0	10.67	0.866	4.446
MAS45	0.05	0.88	1346.9	4/13/2017 12:00	0.88	15.07	111.35	0.153	1.05	-1.172	0	0	30.12	0	0	0	0	24.59	0.4	4.528
MAS46	0.13	0.55	1341.4	4/13/2017 12:01	0.55	0	173.13	0	4.36	-0.024	0	0	13.45	0	0	0	0	97.57	10.384	1.774
MAS47	0.03	0.3	1402.68	4/13/2017 11:55	0.3	40.1	40.1	0.588	0.588	-0.138	0	0	19.7	0	0	0	0	7.08	1.815	5.664
MAS49	0.03	0.38	1396.38	4/13/2017 11:55	0.38	17.32	56.92	0.237	0.826	-0.769	0	0	23.62	0	0	0	0	10.27	2.434	5.542
MAS5	0.32	2.69	1311.69	4/13/2017 12:03	2.69	37.91	527.04	0.505	7.07	-0.13	0	0	39.31	0	0	0	0	159.9	13.783	3.296
MAS51	0.3	3.29	1393.85	4/13/2017 12:05	3.29	10.69	66.02	0.139	0.971	-0.829	0	0	20.71	0	0	0	0	11.76	2.888	5.614
MAS52	0.09	0.56	1377.6	4/13/2017 11:55	0.56	51.53	51.53	0.519	0.519	-0.785	0	0	11.44	0	0	0	0	11.51	1.042	4.477
MAS54	0.06	0.46	1387.42	4/13/2017 11:59	0.46	11.39	44.48	0.162	1.14	-0.054	0	0	15.54	0	0	0	0	13.51	3.348	3.292
MAS55	0.03	0.34	1340.95	4/13/2017 11:55	0.34	44.97	44.97	0.575	0.575	-0.923	0	0	10.66	0	0	0	0	8.33	1.033	5.399
MAS56	0.86	2.68	1333.68	4/13/2017 12:00	2.68	47.68	156.91	0.662	2.22	-1.286	0	0	16.32	0	0	0	0	46.78	2.133	3.354
MAS57	0.11	0.77	1346.81	4/13/2017 12:00	0.77	68.34	124.05	0.789	4.52	-0.213	0	0	23.23	0	0	0	0	72.04	7.467	1.722
MAS58	0.17	1.44	1319.6	4/13/2017 12:01	1.43	29.71	181.08	0.395	2.65	-0.458	0	0	21.56	0	0	0	0	53.4	3.245	3.391
MAS59	0.05	0.61	1358.72	4/13/2017 11:55	0.61	93.12	93.12	1.29	1.29	-0.068	0	0	48.39	0	0	0	0	15.74	3.714	5.916
MAS6	0.15	2.12	1313.49	4/13/2017 12:03	2.12	32.56	509.14	0.29	6.56	-0.076	0	0	39.88	0	0	0	0	151.8	11.61	3.354
MAS61	0.24	0.98	1343	4/13/2017 12:00	0.98	85.12	221.83	1.06	7.8	-0.208	0	0	26.02	0	0	0	0	114.1	13.921	1.944
MAS62	0.05	0.58	1379.02	4/13/2017 11:55	0.58	79.39	79.39	1.07	1.07	-0.408	0	0	17.42	0	0	0	0	14	1.461	5.671
MAS63	0.11	1.02	1324.51	4/13/2017 12:01	1.02	43.8	118.51	0.423	1.21	-10.808	0	0	10.98	0	0	0	0	32.35	0.897	3.663
MAS64	0.17	1.07	1351.52	4/13/2017 11:58	1.07	79.87	188.74	0.69	2	-3.343	0	0	47.93	0	0	0	0	38.99	3.296	4.841
MAS66	0.02	0.34	1308.4	4/13/2017 12:00	0.34	41.22	41.22	0.628	0.628	-1.537	0	0	20.66	0	0	0	0	9.26	1.126	4.451
MAS67	0.18	2	1309.08	4/13/2017 12:02	1.99	29.49	820.35	0.367	13.2	-0.12	0	0	23	0	0	0	0	174.98	19.682	4.688
MAS68	0.41	5.73	1336.73	4/13/2017 12:04	5.73	22.91	222.14	0.406	3.79	-0.224	0	0	18.27	0	0	0	0	59.69	5.597	3.722
MAS69	0.1	0.8	1307.93	4/13/2017 12:01	0.8	48.37	213.16	0.487	3.15	-0.43	0	0	19.2	0	0	0	0	62.6	3.475	3.405
MAS7	0.09	1.22	1334.09	4/13/2017 12:01	1.22	14.26	436.75	0.145	5.33	-0.097	0	0	57.78	0	0	0	0	121.03	9.858	3.609
MAS71	0.11	0.6	1340.6	4/13/2017 12:01	0.6	18.8	92.35	0.302	1.38	-0.653	0	0	17.4	0	0	0	0	17.86	1.982	5.171
MAS73	0.3	1.96	1311.96	4/13/2017 12:09	1.96	69.33	358.66	0.706	13.1	-0.05	0	0	21.04	0	0	0	0	280.94	24.018	1.277
MAS74	0.06	0.38	1304.44	4/13/2017 12:00	0.38	65.24	65.24	0.792	0.792	-1.532	0	0	15.62	0	0	0	0	17.43	1.279	3.743
MAS75	0.09	1.28	1304.01	4/13/2017 12:00	1.28	24.07	107.26	0.319	1.49	-0.206	0	0	9.72	0	0	0	0	22.36	3.45	4.797
MAS76	0.1	0.85	1295.85	4/13/2017 12:02	0.85	62.72	267.19	0.639	3.8	-1.56	0	0	25.15	0	0	0	0	78.48	3.522	3.405
MAS77	0.39	1.6	1294.74	4/13/2017 12:51	1.6	29.75	201.35	0.348	16.4	-0.086	0	0	13.4	0	0	0	0	349.84	26.88	0.576
MAS79	0.05	0.99	1383.99	4/13/2017 11:56	0.99	41.74	136.96	0.357	1.36	-3.189	0	0	32.01	0	0	0	0	23.09	1.229	5.932
MAS8	0.16	2.4	1309.4	4/13/2017 12:03	2.4	15.62	535.55	0.18	7.26	-0.079	0	0	37.6	0	0	0	0	163.21	14.185	3.281
MAS81	0.04	0.59	1386.59	4/13/2017 11:55	0.59	45.54	45.54	0.547	0.547	-0.195	0	0	51.41	0	0	0	0	8.11	1.078	5.615
MAS82	0.04	0.45	1332.45	4/13/2017 11:55	0.45	72.32	72.32	0.905	0.905	-0.137	0	0	26.55	0	0	0	0	14.62	2.281	4.947
MAS83	0.06	0.79	1314.83	4/13/2017 11:56	0.79	20.1	90.81	0.256	1.16	-0.395	0	0	26.21	0	0	0	0	17.65	2.83	5.145
MAS84	0.03	0.61	1397.61	4/13/2017 11:55	0.61	96.75	96.75	1	1	-0.181	0	0	32.39	0	0	0	0	15.81	1.102	6.12
MAS85	0.06	0.56	1309.56	4/13/2017 12:00	0.56	55.5	55.5	0.613	0.613	-0.377	0	0	13.44	0	0	0	0	14.5	0.811	3.828
MAS86	0.17	1.59	1299.6	4/13/2017 12:05	1.59	45.23	1086.46	0.632	21.3	-0.16	0	0	40.41	0	0	0	0	294.59	33.778	3.688
MAS87	0.1	1.28	1298.66	4/13/2017 12:05	1.28	20.96	1097.82	0.277	21.6	-0.09	0	0	40.72	0	0	0	0	299.27	34.269	3.668
MAS88	0.16	1.86	1297.19	4/13/2017 12:05	1.86	58.44	1137.37	0.685	22.5	-0.189	0	0	36.14	0	0	0	0	315.21	35.445	3.608
MAS89	0.07	0.76	1293.76	4/13/2017 12:00	0.76	45.05	99.84	0.471	1.09	-0.442	0	0	13.24	0	0	0	0	26.14	1.05	3.819
MAS9	0.11	1.47	1325.47	4/13/2017 12:02	1.47	20.24	451.5	0.162	5.5	-0.254	0	0	30.53	0	0	0	0	126.23	9.905	3.577
MAS90	0.21	1.21	1278.3	4/13/2017 12:06	1.21	53.84	493.43	0.512	22.8	-0.13	0	0	32.79	0	0	0	0	481.42	32.26	1.025
MAS91	0.33	2.48	1293.62	4/13/2017 12:06	2.48	73.55	1162.23	0.884	23.4	-0.205	0	0	38.52	0	0	0	0	328.2	37.485	3.541
MAS92	0.5	1.82	1275.82	4/13/2017 12:06	1.82	38.33	574.15	0.391	24.3	-0.262	0	0	26.18	0	0	0	0	511.45	32.309	1.123
MAS93	0.02	0.42	1283.3	4/13/2017 12:00	0.42	52.56	85.67	0.594	1.03	-0.804	0	0	12.58	0	0	0	0	22.33	0.049	3.837
MAS95	0.47	2.62	1290.83	4/13/2017 12:05	2.62	38.04	1179.22	0.421	23.9	-0.372	0	0	38.38	0	0	0	0	336.64	37.906	3.503
MAS96	0.04	0.36	1301.54	4/13/2017 12:01	0.36	9.21	35.17	0.128	0.437	-0.851	0	0	10.64	0	0	0	0	9.59	0.047	3.667
MAS97	0.03	0.26	1314.82	4/13/2017 12:00	0.26	11.68	11.68	0.13	0.13	-0.178	0	0	10.74	0	0	0	0	3.62	0.022	3.227
MAS99	0.04	0.65	1278.12	4/13/2017 12:00	0.65	46.65	46.65	0.573	0.573	-0.138	0	0	11.35	0	0	0	0	11.12	0.034	4.195
MASJ1021	0.2	0.92	1318.92	4/13/2017 13:30	0.92	33.44	45.14	0.587	1.9	-1.406	0	0	10.08	0	0	0	0	41.53	2.987	1.087
MASJ108	0.05	0.24	1313.72	4/13/2017 12:00	0.24	15.69	20.04	0.237	0.269	-2.016	0	0	7.76	0	0	0	0	11.33	1.773	1.769
MASJ1090	0.04	0.49	1372.97	4/13/2017 11:56	0.49	0	55.32	0	0.689	-0.656	0	0	22.51	0	0	0	0	9.01	1.501	6.14
MASJ110	0.03	0.25	1341.52	4/13/2017 11:55	0.25	26.01	26.01	0.429	0.429	-0.219	0	0	21.75	0	0	0	0	5.03	1.027	5.171
MASJ1111	0.01	0.15	1302.15	4/13/2017 12:00	0.15	19.13	19.13	0.229	0.229	-0.234	0	0	10.85	0	0	0	0	4.74	0.478	4.036

Junctions SWMM 10-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
MASJ1119	1.98	3.5	1318.92	4/13/2017 13:29	3.5	0	41.54	0	1.93	-2.674	0	0	7.5	0	0	0	0	41.53	2.987	1
MASJ112	0	0.11	1330.5	4/13/2017 12:00	0.11	0	4.7	0	0.029	-7.396	0	0	7.89	0	0	0	0	8	1.566	0.588
MASJ114	0.04	0.35	1317.99	4/13/2017 11:55	0.35	33.1	71.48	0.528	1.18	-0.218	0	0	18.65	0	0	0	0	13.83	3.044	5.168
MASJ1141	1.24	2.6	1318.6	4/13/2017 13:52	2.6	40.3	61.41	0.703	3.33	-0.573	0	0	7.4	0	0	0	0	55.92	4.959	1.098
MASJ116	0.05	0.46	1301.07	4/13/2017 11:57	0.46	0	70.97	0	1.19	-0.45	0	0	12.54	0	0	0	0	13.83	3.044	5.132
MASJ1161	0.33	1.86	1326.21	4/13/2017 12:22	1.86	0	67.35	0	1.2	-9.15	0	0	12.14	0	0	0	0	17.81	0.868	3.782
MASJ117	0.03	0.43	1329.17	4/13/2017 11:55	0.43	10.66	10.66	0.157	0.157	-0.208	0	0	8.57	0	0	0	0	1.92	0.307	5.552
MASJ1171	0.01	0.22	1326.2	4/13/2017 12:23	0.22	0	15.49	0	0.193	-0.321	0	0	7.78	0	0	0	0	17.81	0.868	0.87
MASJ119	0.39	1.17	1324.97	4/13/2017 12:05	1.17	0	18.99	0	1.53	-0.45	0	0	7.83	0	0	0	0	23.2	1.538	0.819
MASJ121	0.12	0.53	1324.28	4/13/2017 12:05	0.53	0	18.41	0	1.54	-0.289	0	0	7.47	0	0	0	0	23.2	1.538	0.794
MASJ122	0.22	1.04	1317.04	4/13/2017 12:02	1.03	18.75	36.86	0.293	1.95	-0.436	0	0	8.96	0	0	0	0	30.78	1.792	1.198
MASJ124	0.4	1.7	1315.72	4/13/2017 12:08	1.7	0	331.75	0	11.3	-0.129	0	0	11.3	0	0	0	0	241.71	9.782	1.373
MASJ126	0.06	0.75	1327.75	4/13/2017 12:00	0.75	12.68	23.19	0.172	0.33	-0.648	0	0	8.25	0	0	0	0	4.31	0.446	5.381
MASJ127	0.12	1.4	1327.4	4/13/2017 12:00	1.4	19.27	42	0.252	0.584	-0.509	0	0	7.6	0	0	0	0	7.96	0.533	5.276
MASJ128	0.1	1.62	1327.32	4/13/2017 12:00	1.62	0	41.93	0	0.587	-0.223	0	0	7.38	0	0	0	0	7.96	0.533	5.268
MASJ129	0.09	0.86	1326.4	4/13/2017 12:00	0.86	12.53	28.13	0.175	0.629	-0.277	0	0	8.14	0	0	0	0	10.44	0.652	2.694
MASJ130	0.28	1.61	1325.91	4/13/2017 12:13	1.61	20	20	0.318	1.45	-0.217	0	0	7.39	0	0	0	0	21.93	1.36	0.912
MASJ132	0.36	1.86	1325.91	4/13/2017 12:13	1.86	0	16.06	0	1.42	-0.315	0	0	7.14	0	0	0	0	21.93	1.36	0.732
MASJ133	0.28	1.08	1325.08	4/13/2017 12:04	1.08	7.01	19.75	0.102	1.53	-0.397	0	0	7.92	0	0	0	0	23.2	1.538	0.851
MASJ135	0.03	0.31	1327.14	4/13/2017 11:55	0.31	9.29	9.29	0.108	0.108	-1.388	0	0	9.69	0	0	0	0	5.78	0.532	1.607
MASJ1351	0.01	0.07	1325.73	4/13/2017 0:00	0.07	0	0	0	0	-99.98	0	0	11.93	0	0	0	0	7.96	0.533	0
MASJ1352	0.01	0.43	1325.35	4/13/2017 12:00	0.43	0	26.31	0	0.135	3.599	0	0	9.57	0	0	0	0	7.96	0.533	3.305
MASJ136	0.01	0.07	1325.7	4/13/2017 0:00	0.06	0	0	0	0	-99.981	0	0	8.93	0	0	0	0	12.31	0.763	0
MASJ1361	0.16	0.67	1319.67	4/13/2017 12:02	0.67	0	22.54	0	1.63	-0.833	0	0	7.33	0	0	0	0	24.3	1.614	0.928
MASJ1362	0	0.05	1325.51	4/13/2017 0:00	0.04	0	0	0	0	-99.776	0	0	6.95	0	0	0	0	23.2	1.538	0
MASJ137	0.13	0.56	1317.19	4/13/2017 12:06	0.56	0	22.57	0	1.65	-0.595	0	0	7.44	0	0	0	0	24.3	1.614	0.929
MASJ140	3.58	14.38	1248.38	4/13/2017 15:43	14.35	7.23	32407.87	0.084	3410	0.008	0	0	14.62	0	0	0	0	4013.66	315.389	8.074
MASJ1801	0.09	0.5	1331.21	4/13/2017 11:55	0.5	18.9	44.4	0.249	0.68	-0.644	0	0	21.5	0	0	0	0	8	1.566	5.55
MASJ1803	0.03	0.29	1302.94	4/13/2017 12:00	0.29	22.18	41.36	0.405	0.68	-1.537	0	0	9.71	0	0	0	0	16.41	2.581	2.52
MASJ1848	0.11	0.68	1288.51	4/13/2017 12:00	0.68	0	69.51	0	1.19	-0.369	0	0	20.32	0	0	0	0	13.83	3.044	5.026
MASJ2123	0.14	1.55	1347.55	4/13/2017 11:59	1.55	0	177.06	0	2.42	-0.208	0	0	30.45	0	0	0	0	33.5	4.922	5.285
MASJ2149	0.08	0.88	1354.51	4/13/2017 11:59	0.88	22.26	177.11	0.309	2.42	-0.118	0	0	31.12	0	0	0	0	33.5	4.922	5.287
MASJ2187	0.22	1.34	1363.89	4/13/2017 11:58	1.34	35.73	159.84	0.467	2.1	-0.523	0	0	19.66	0	0	0	0	29.1	4.329	5.493
MASJ2191	0.14	1.82	1384.48	4/13/2017 11:55	1.82	33.58	33.58	0.46	0.46	-0.018	0	0	7.18	0	0	0	0	6.1	1.352	5.505
MASJ2703	0.06	0.56	1372.03	4/13/2017 11:55	0.56	41.29	127.54	0.465	1.62	-0.667	0	0	22.44	0	0	0	0	21.63	3.631	5.896
MASJ2769	0.05	0.32	1319.19	4/13/2017 12:08	0.32	0	26.09	0	1.12	-0.459	0	0	12.68	0	0	0	0	31.78	2.037	0.821
MASJ2814	0.07	0.43	1323.43	4/13/2017 12:27	0.43	6.74	15.78	0.081	0.277	-1.613	0	0	9.57	0	0	0	0	24.21	1.67	0.652
MASJ2948	0.19	2.32	1255.32	4/13/2017 12:03	2.32	55.68	472.67	0.77	7.12	-0.187	0	0	12.68	0	0	0	0	115.15	18.17	4.105
MASJ3041	8.5	22.32	1245.82	4/13/2017 15:43	22.32	12.22	30387.42	0.121	3300	0.037	0	0	28.68	0	0	0	0	4058.5	317.96	7.487
MASJ888	0.04	0.25	1322.13	4/13/2017 11:59	0.25	9.38	16.87	0.127	0.408	1.152	0	0	9.75	0	0	0	0	25.95	1.79	0.65
MASJ916	0.01	0.26	1324.26	4/13/2017 12:25	0.26	0	15.49	0	0.194	-0.914	0	0	8.74	0	0	0	0	23.2	1.538	0.668
MASJ929	0.09	0.59	1319.52	4/13/2017 11:58	0.59	0	8.98	0	0.109	-3.797	0	0	12.41	0	0	0	0	5.78	0.532	1.554
MASJ95	0.03	0.44	1380.99	4/13/2017 11:55	0.44	0	55.74	0	0.688	-0.185	0	0	20.56	0	0	0	0	9.01	1.501	6.186
PostOakIntoCity	0.99	4.19	1312.19	4/13/2017 13:30	4.19	4026.79	4026.79	256	256	0.003	0	0	21.81	0	0	0	0	0	0	0
J908	0.2	0.93	1346.95	4/13/2017 12:00	0.93	71.65	71.65	1.37	1.37	-1.325	0	0	23.07	0	0	0	0	17.87	2.405	4.01
J149	0.19	1.75	1336.75	4/13/2017 12:07	1.75	0	69.37	0	1.38	1.261	0	0	22.25	0	0	0	0	17.87	2.405	3.882
MAS78_DS	3.08	3.87	1352.87	4/13/2017 12:00	3.87	0	70.7	0	0.788	-1.042	0	0	46.13	0	0	0	0	14.67	0.767	4.819
J73	0.19	1.22	1305.22	4/13/2017 12:25	1.22	50.6	129.85	0.664	5.3	-0.369	0	0	12.78	0	0	0	0	77.13	4.449	1.684
1	0.03	0.26	1311.85	4/13/2017 12:00	0.26	0	11.61	0	0.13	-0.463	0	0	10.74	0	0	0	0	3.62	0.022	3.207
3	0.04	0.33	1306	4/13/2017 12:00	0.33	15.14	26.4	0.176	0.306	-0.618	0	0	10.67	0	0	0	0	7.14	0.022	3.697
J72	0.51	4.51	1311.51	4/13/2017 12:25	4.51	34.83	131.53	0.435	4.31	-0.138	0	0	11.49	0	0	0	0	63.54	3.179	2.07
J2828	3.05	11.82	1261.14	4/13/2017 15:31	11.75	0	30437	0	2990	0.009	0	0	42.18	0	0	0	0	1458.2	102.249	20.873
J2780	3.57	12.56	1261.06	4/13/2017 15:38	12.55	0	35173.59	0	2990	0.022	0	0	16.44	0	0	0	0	1458.2	102.249	24.121
MAS42	0.4	2.86	1350.86	4/13/2017 12:00	2.86	13.96	87.84	0.188	1.46	0.185	0	0	8.14	0	0	0	0	22.67	1.802	3.875

Junctions SWMM 25-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
AmmanLWCDS	0.14	1.05	1362.5	4/13/2017 12:13	1.05	0	588.54	0	7.24	-13.72	0	0	23.95	0	0	0	0	256.244	4.15	2.297
AmmanLWCUS	0.03	0.57	1362.57	4/13/2017 12:00	0.57	589.01	589.01	7.23	7.24	-0.007	0	0	8.43	0	0	0	0	256.244	4.15	2.299
BalcIntoCity	3.27	10.82	1290.82	4/13/2017 15:40	10.82	15774.94	15774.94	1790	1790	0.014	0	0	24.18	0	0	0	0	0	0	0
CibIntoCity	5.87	17.08	1293.08	4/13/2017 14:30	17.08	32076.95	32076.95	3500	3500	0.014	0	0	24.92	0	0	0	0	5.04	0	6364.474
F1	0.25	1.23	1341.17	4/13/2017 12:12	1.23	0	128.82	0	5.5	-0.087	0	0	12.77	0	0	0	0	55.08	4.06	2.339
f14	0.69	3.29	1369.29	4/13/2017 12:09	3.29	0	56.01	0	1.11	-0.364	0	0	5.71	0	0	0	0	11.35	0.809	4.935
f15	0.08	0.44	1366.21	4/13/2017 12:10	0.44	0	31.77	0	1.11	-0.268	0	0	8.56	0	0	0	0	11.35	0.809	2.799
F3	0.88	3.8	1350.8	4/13/2017 12:11	3.8	0	104.72	0	3.11	-1.239	0	0	9.2	0	0	0	0	32.1	1.839	3.262
F4	0.14	0.66	1346.49	4/13/2017 12:11	0.66	0	99.03	0	3.15	-0.038	0	0	8.34	0	0	0	0	32.1	1.839	3.085
f5	0.49	2.69	1363.23	4/13/2017 12:13	2.69	0	31.57	0	1.12	-0.289	0	0	6.31	0	0	0	0	11.35	0.809	2.781
f6	0.11	0.43	1359.75	4/13/2017 12:13	0.43	0	29.78	0	1.12	-0.238	0	0	10.57	0	0	0	0	11.35	0.809	2.624
f7	0.71	2.75	1358.75	4/13/2017 12:17	2.75	0	29.69	0	1.12	-1.084	0	0	8.25	0	0	0	0	11.35	0.809	2.616
f8	0.06	0.33	1355.77	4/13/2017 12:18	0.32	0	26.88	0	1.13	-0.224	0	0	9.67	0	0	0	0	11.35	0.809	2.368
f9	0.11	0.4	1347.58	4/13/2017 12:20	0.4	0	26.63	0	1.14	-0.844	0	0	9.6	0	0	0	0	11.35	0.809	2.346
GR1	0.33	1.19	1374.19	4/13/2017 11:58	1.19	0	136.79	0	1.71	-2.047	0	0	17.81	0	0	0	0	22.85	2.809	5.986
GR10	0.48	6.7	1290.88	4/13/2017 12:04	6.7	0	652.4	0	10.3	0.959	0	0	12.3	0	0	0	0	101.24	8.943	6.444
GR11	0.43	5.22	1344.22	4/13/2017 12:00	5.22	0	92.04	0	1.36	-0.519	0	0	21.78	0	0	0	0	13.01	1.687	7.075
GR12	0.3	2.25	1279.25	4/13/2017 12:06	2.25	0	839.28	0	27.8	-0.026	0	0	19.75	0	0	0	0	273.04	25.157	3.074
GR13	0.88	7.05	1285.05	4/13/2017 12:05	7.04	0	850	0	27.8	-0.121	0	0	12.95	0	0	0	0	273.04	25.157	3.113
gr14	0.29	3.29	1300.29	4/13/2017 12:01	3.29	30.34	640.98	0.416	22.1	0.015	0	0	20.71	0	0	0	0	219.11	18.599	2.925
gr15	0.76	3.11	1298.48	4/13/2017 12:01	3.11	0	636.42	0	22.1	-0.087	0	0	13.89	0	0	0	0	219.11	18.599	2.905
gr16	0.28	2.5	1295.5	4/13/2017 12:00	2.48	44.13	794.63	0.564	25.2	-0.009	0	0	22.5	0	0	0	0	248.91	22.713	3.192
gr17	0.38	3.54	1295.54	4/13/2017 12:00	3.54	0	812.85	0	25.2	-0.012	0	0	21.46	0	0	0	0	248.91	22.713	3.266
gr18	0.47	2.62	1293.62	4/13/2017 12:01	2.62	0	803.39	0	25.3	-0.041	0	0	21.38	0	0	0	0	248.91	22.713	3.228
gr19	0.91	3.64	1292.84	4/13/2017 12:01	3.63	0	795.26	0	25.3	-0.07	0	0	20.36	0	0	0	0	248.91	22.713	3.195
gr20	0.34	1.81	1290.11	4/13/2017 12:01	1.8	0	793.89	0	25.3	-0.025	0	0	22.19	0	0	0	0	248.91	22.713	3.189
gr21	0.35	2.46	1289.86	4/13/2017 12:01	2.46	89.51	860.06	1.25	26.5	-0.07	0	0	23.54	0	0	0	0	261.54	23.729	3.288
GR4	1.73	3.26	1347.26	4/13/2017 11:59	3.26	0	358.19	0	4.5	-0.583	0	0	34.74	0	0	0	0	58.76	7.319	6.096
GR5	0.15	1.93	1344.02	4/13/2017 12:00	1.93	0	358.07	0	4.52	-0.189	0	0	11.07	0	0	0	0	58.76	7.319	6.094
GR7	0.17	1.9	1314.94	4/13/2017 12:02	1.9	74.96	623.48	1.05	8.99	-0.012	0	0	15.1	0	0	0	0	113.07	16.258	5.514
GR8	0.41	3.44	1317.44	4/13/2017 12:02	3.44	0	578.64	0	7.93	-0.121	0	0	11.56	0	0	0	0	102.56	13.732	5.642
GR9	0.2	1.96	1320.38	4/13/2017 12:02	1.96	0	588.95	0	7.9	-0.303	0	0	13.04	0	0	0	0	102.56	13.732	5.742
J_0406_3	0.12	0.81	1261.75	4/13/2017 12:01	0.81	0	117.63	0	1.96	-1.284	0	0	24.19	0	0	0	0	19.23	2.117	6.117
J1	0.23	2.85	1372.68	4/13/2017 11:58	2.85	24.53	183.61	0.357	2.75	-0.119	0	0	33.15	0	0	0	0	50.69	6.821	3.622
J10	0.18	1.23	1282.34	4/13/2017 12:05	1.23	0	82.53	0	1.39	-0.083	0	0	9.77	0	0	0	0	21.19	2.268	3.895
J100	0.03	0.35	1292.24	4/13/2017 12:18	0.35	0	136.93	0	3.24	-1.354	0	0	66.65	0	0	0	0	48.41	1.547	2.829
J1000	0.09	0.43	1294.2	4/13/2017 12:06	0.43	25.31	50.54	0.394	1.53	-0.931	0	0	9.57	0	0	0	0	20.49	0.368	2.467
J1004	0.07	0.77	1305.85	4/13/2017 12:01	0.77	52.22	103.43	0.793	1.63	-0.821	0	0	19.23	0	0	0	0	18.35	0.87	5.637
J101	0.22	0.7	1318.7	4/13/2017 13:51	0.7	19.82	29.19	0.346	0.644	-7.043	0	0	9.3	0	0	0	0	4.88	0.835	5.982
J1012	0.29	1.83	1297.24	4/13/2017 12:07	1.83	29.76	482.17	0.4	16.5	-0.543	0	0	38.17	0	0	0	0	247.57	9.943	1.948
J1016	0.07	0.59	1304.59	4/13/2017 12:04	0.59	0	110.91	0	1.63	-1.032	0	0	18.41	0	0	0	0	24.07	1.511	4.608
J102	0.04	0.58	1309.58	4/13/2017 12:05	0.58	200.52	218.93	2.29	2.67	-1.374	0	0	64.42	0	0	0	0	40.12	1.4	5.457
J1023	0.05	0.67	1301.03	4/13/2017 12:00	0.67	97.55	97.55	1.76	1.76	-0.311	0	0	9.33	0	0	0	0	18.28	1.363	5.336
J1027	0.32	2.59	1323.59	4/13/2017 12:20	2.59	80.36	249.82	1.37	6.69	0.172	0	0	9.41	0	0	0	0	67.92	5.397	3.678
J1031	0.1	0.89	1309.48	4/13/2017 11:55	0.89	35.27	167.94	0.445	2.39	-0.535	0	0	23.11	0	0	0	0	23.52	2.333	7.14
J1033	0.12	0.5	1298.5	4/13/2017 12:05	0.5	35.62	115.72	0.627	2.29	-0.802	0	0	14.5	0	0	0	0	25.09	1.179	4.612
J1037	0.43	1.13	1300.32	4/13/2017 12:01	1.13	49.12	143.98	1.12	2.89	-0.925	0	0	9.87	0	0	0	0	36.4	2.65	3.955
J104	3.25	4.54	1312.39	4/13/2017 12:26	4.54	65.28	160.66	0.903	1.71	91.814	0	0	23.46	0	0	0	0	15.04	1.925	10.682
J1043	0.08	0.79	1337.56	4/13/2017 12:00	0.79	135.35	135.35	2.13	2.13	-0.092	0	0	18.21	0	0	0	0	23.4	0.423	5.784
J1045	0.06	0.68	1298.02	4/13/2017 12:02	0.68	46.76	170.54	0.66	3.57	-0.183	0	0	12.32	0	0	0	0	43.7	2.65	3.903
J1047	0.13	0.91	1290.91	4/13/2017 12:03	0.91	21.62	156.07	0.271	3.2	-0.457	0	0	14.09	0	0	0	0	35.14	0.809	4.441
J1049	0.07	0.68	1321.86	4/13/2017 11:55	0.68	134.26	134.26	1.94	1.94	-0.059	0	0	23.32	0	0	0	0	19.02	2.028	7.059
J1053	0.08	0.46	1299.27	4/13/2017 12:06	0.46	35.18	124.04	0.585	2.23	-2.1	0	0	12.54	0	0	0	0	29.96	2.065	4.14
J106	0.22	1	1312.39	4/13/2017 12:28	1	130.22	130.22	1.94	2.83	0.8	0	0	27	0	0	0	0	38.73	4.016	3.362
J1060	0.07	0.26	1311.86	4/13/2017 13:05	0.26	0	126.93	0	10.7	-0.006	0	0	44.74	0	0	0	0	123.84	10.356	1.025
J1069	0.03	0.25	1296.05	4/13/2017 11:55	0.25	19.56	19.56	0.449	0.449	-0.908	0	0	12.75	0	0	0	0	4.91	0.289	3.984
J107	0.16	0.62	1329.62	4/13/2017 12:09	0.62	0	65.12	0	2.07	-0.128	0	0	24.38	0	0	0	0	20.48	2.44	3.18
J1074	0.09	0.72	1290.06	4/13/2017 12:15	0.72	0	49.57	0	1.55	-0.016	0	0	12.28	0	0	0	0	20.49	0.368	2.419

Junctions SWMM 25-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J108	0.18	0.72	1334.08	4/13/2017 12:07	0.72	0	58.63	0	1.83	-0.005	0	0	9.28	0	0	0	0	17.87	2.405	3.281
J1083	0.06	0.8	1319.9	4/13/2017 12:00	0.8	38.21	172.42	0.58	2.71	-0.453	0	0	22.2	0	0	0	0	29.26	0.902	5.893
J1085	0.06	0.49	1308.49	4/13/2017 12:07	0.49	25.78	55.92	0.418	1.64	-1.082	0	0	15.51	0	0	0	0	16.26	1.755	3.439
J109	0.08	0.66	1311.92	4/13/2017 12:00	0.66	102.82	127.24	1.22	3.22	-1.018	0	0	30.34	0	0	0	0	57.55	4.171	2.211
J1093	0.1	0.59	1307.61	4/13/2017 12:00	0.59	40.87	40.87	0.693	0.693	-1.815	0	0	15.41	0	0	0	0	7.23	0.48	5.653
J1095	0.02	0.24	1291.64	4/13/2017 12:01	0.24	29.35	40.64	0.467	0.669	-5.824	0	0	13.76	0	0	0	0	7.36	0.133	5.522
J11	3.89	13.06	1290.06	4/13/2017 15:46	13.06	60.49	15770.95	0.813	1790	0.033	0	0	22.94	0	0	0	0	20.28	0.046	777.66
J110	0.23	2.3	1333.3	4/13/2017 12:08	2.3	19.71	67.95	0.243	2.07	-0.044	0	0	7.7	0	0	0	0	20.48	2.44	3.318
J1100	0.03	0.25	1293.25	4/13/2017 12:01	0.25	14.01	33.37	0.301	0.754	-1.335	0	0	12.75	0	0	0	0	8.43	0.289	3.958
J1102	0.1	0.46	1286.07	4/13/2017 12:05	0.46	55.2	79.61	0.906	1.91	-1.577	0	0	11.54	0	0	0	0	21.1	0.504	3.773
J1104	2.65	8.19	1287.34	4/13/2017 13:35	8.19	62.89	6115.55	0.516	512	0.002	0	0	38.81	0	0	0	0	597.72	24.663	10.231
J1106	0.7	2.43	1286.58	4/13/2017 12:07	2.43	0	475.25	0	42.6	0.018	0	0	18.57	0	0	0	0	1456.34	32.095	0.326
J1110	2.92	10.25	1291.25	4/13/2017 13:35	10.25	138.99	6116.75	1.73	512	0.001	0	0	36.75	0	0	0	0	588.3	24.617	10.397
J1112	0.29	4.61	1317.61	4/13/2017 12:03	4.61	0	170.8	0	2.73	0.03	0	0	18.39	0	0	0	0	29.26	0.902	5.837
J1117	0.07	0.57	1286.57	4/13/2017 12:02	0.57	34.45	59.56	0.474	2.02	-1.191	0	0	13.43	0	0	0	0	25.72	0.368	2.316
J112	4.68	16.32	1250.12	4/13/2017 15:28	16.32	12.89	46872.95	0.162	5960	0.004	0	0	13.68	0	0	0	0	4030.57	317.402	11.629
J1121	0.15	0.58	1319.63	4/13/2017 12:00	0.58	40.87	40.87	0.594	0.594	-3.001	0	0	17.42	0	0	0	0	6.42	0.138	6.366
J113	0.19	1.03	1321.97	4/13/2017 11:56	1.03	58.46	58.46	0.84	0.84	-0.633	0	0	7.97	0	0	0	0	8.41	0.726	6.951
J1133	0.06	0.36	1292.6	4/13/2017 12:00	0.36	12.21	42.62	0.19	0.954	-1.407	0	0	12.64	0	0	0	0	10.43	0.387	4.086
J1138	4.31	12.84	1286.3	4/13/2017 14:32	12.84	104.05	32150.23	1.29	3530	0.033	0	0	35.16	0	0	0	0	417.98	22.75	76.918
J1140	0.06	0.51	1282.62	4/13/2017 12:09	0.51	0	72.99	0	1.94	-1.124	0	0	12.49	0	0	0	0	21.1	0.504	3.459
J1143	4.09	13.38	1287.63	4/13/2017 14:31	13.38	45.07	32151.33	0.544	3530	0.029	0	0	30.62	0	0	0	0	401.95	21.079	79.988
J1149	0.51	1.91	1284	4/13/2017 12:09	1.91	18.73	484.17	0.334	43	0.032	0	0	19.09	0	0	0	0	1460.15	32.095	0.332
J115	0.12	0.6	1319.35	4/13/2017 12:00	0.6	25.5	82.35	0.429	1.27	-0.105	0	0	20.4	0	0	0	0	12.62	1.214	6.525
J1151	0.1	1.15	1293.15	4/13/2017 12:04	1.15	26.96	165.39	0.394	3.46	-0.094	0	0	24.85	0	0	0	0	36.15	1.864	4.575
J1153	0.02	0.3	1289.3	4/13/2017 12:00	0.3	27.72	27.72	0.279	0.279	-1.954	0	0	15.7	0	0	0	0	9.19	0	3.016
J1155	0.67	2.72	1282.73	4/13/2017 12:11	2.72	16.55	504.06	0.218	43.9	0.015	0	0	14.28	0	0	0	0	1470.98	32.095	0.343
J1157	0.04	0.43	1316.44	4/13/2017 12:03	0.43	35.56	55.92	0.692	1.03	-2.016	0	0	12.57	0	0	0	0	10.98	0.546	5.093
J116	0.28	4.1	1263.1	4/13/2017 12:01	4.1	0	205.66	0	3.43	-0.006	0	0	19.9	0	0	0	0	50.9	4.137	4.04
J1161	0.23	1.13	1287.38	4/13/2017 12:24	1.13	11.13	186.59	0.193	7.34	-0.25	0	0	18.87	0	0	0	0	109.77	3.918	1.7
J1163	0.07	0.78	1294.84	4/13/2017 11:55	0.78	78.15	78.15	1.14	1.14	-1.233	0	0	21.22	0	0	0	0	11.44	1.002	6.831
J1168	0.05	0.38	1314.38	4/13/2017 12:11	0.38	18.53	59.83	0.506	1.55	-0.967	0	0	35.62	0	0	0	0	18.24	1.619	3.28
J117	0.05	0.74	1257.86	4/13/2017 12:04	0.74	0	206.88	0	3.43	-4.264	0	0	25.26	0	0	0	0	50.9	4.137	4.064
J1170	0.1	0.72	1310.72	4/13/2017 12:05	0.72	0	115.55	0	2.5	-0.31	0	0	22.28	0	0	0	0	25.95	1.273	4.453
J1178	0.54	2.13	1283.13	4/13/2017 12:11	2.13	52.63	503.94	0.757	43.7	0.009	0	0	14.87	0	0	0	0	1468.58	32.095	0.343
J1182	0.03	0.38	1316.96	4/13/2017 11:55	0.38	20.62	20.62	0.33	0.33	-1.15	0	0	12.62	0	0	0	0	3.68	0.028	5.603
J1185	0.58	1.89	1276.89	4/13/2017 12:16	1.89	35.53	618.27	0.46	49.2	0.001	0	0	25.11	0	0	0	0	1532.58	32.968	0.403
J1190	5.54	17.27	1286.27	4/13/2017 14:34	17.27	105.4	32146.15	1.4	3530	0.035	0	0	31.73	0	0	0	0	435	23.363	73.899
J1192	1	5.46	1315.35	4/13/2017 12:03	5.46	120.65	160.05	1.87	2.49	-0.626	0	0	12.54	0	0	0	0	25.95	1.273	6.168
J1197	0.11	0.73	1285.79	4/13/2017 12:18	0.73	45.93	142.61	0.768	4.03	-1.051	0	0	13.27	0	0	0	0	49.09	2.452	2.905
J1199	0.44	1.61	1275.93	4/13/2017 12:17	1.61	0	618.17	0	49.2	0.012	0	0	29.39	0	0	0	0	1532.58	32.968	0.403
J12	0.18	2.41	1285.41	4/13/2017 12:04	2.4	0	112.26	0	1.39	0.427	0	0	9.59	0	0	0	0	21.19	2.268	5.298
J120	1.95	2.91	1274.91	4/13/2017 12:25	2.91	0	287.79	0	13.3	-0.146	0	0	9.09	0	0	0	0	177.14	7.223	1.625
J1203	0.09	0.69	1341.41	4/13/2017 12:00	0.69	80.9	80.9	1.17	1.17	-0.809	0	0	18.31	0	0	0	0	17.55	0	4.61
J121	0.17	1.08	1273.3	4/13/2017 12:26	1.08	0	287.77	0	13.4	-0.039	0	0	10.92	0	0	0	0	177.14	7.223	1.625
J1212	0.05	0.56	1289.68	4/13/2017 12:00	0.56	41.36	41.36	0.656	0.656	-1.251	0	0	10.44	0	0	0	0	7.08	0.228	5.842
J122	0.21	0.99	1271.99	4/13/2017 12:05	0.99	0	178.46	0	4.31	-3.716	0	0	14.01	0	0	0	0	44.12	4.437	4.045
J1223	1.6	6.37	1283.62	4/13/2017 13:37	6.37	44.29	6114.54	0.456	513	0.002	0	0	21.63	0	0	0	0	618.01	24.663	9.894
J1227	0.05	0.53	1289.47	4/13/2017 12:00	0.53	84.88	84.88	1.36	1.36	-0.632	0	0	12.47	0	0	0	0	15.03	1.204	5.647
J123	1.89	4.96	1262.03	4/13/2017 12:29	4.96	29.38	1354.25	0.409	87.2	0.078	0	0	15.04	0	0	0	0	1990.45	52.764	0.68
J1232	0.02	0.33	1278.32	4/13/2017 12:01	0.33	23.41	163.98	0.292	3.17	-0.714	0	0	10.67	0	0	0	0	34.29	1.802	4.782
J1234	0.13	0.88	1294.72	4/13/2017 12:06	0.88	97.66	172.18	1.57	4.08	-0.849	0	0	22.12	0	0	0	0	42.42	2.148	4.059
J1236	2.14	7.24	1283.24	4/13/2017 13:37	7.24	0	6113.78	0	513	0	0	0	20.76	0	0	0	0	618.01	24.663	9.893
J1238	0.06	0.35	1330.35	4/13/2017 12:00	0.35	33.05	33.05	0.533	0.533	-1.329	0	0	18.65	0	0	0	0	6.01	0	5.499
J1240	0.04	0.42	1279.05	4/13/2017 12:00	0.42	71.04	71.04	1.13	1.13	-1.09	0	0	15.58	0	0	0	0	13.02	0.028	5.456
J1242	0.06	0.28	1310.82	4/13/2017 11:55	0.28	17.34	17.34	0.27	0.27	-0.204	0	0	7.72	0	0	0	0	3.13	0.756	5.54
J1245	0.04	0.71	1323.71	4/13/2017 12:01	0.71	71.06	218.72	1.19	3.68	-0.295	0	0	13.29	0	0	0	0	44.22	0.646	4.946
J1249	0.22	1.53	1312.65	4/13/2017 12:14	1.53	20.13	173.88	0.315	5.23	-0.149	0	0	15.47	0	0	0	0	57.98	2.554	2.999

Junctions SWMM 25-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J125	0.51	1.86	1269.6	4/13/2017 12:37	1.86	0	163.14	0	2.45	3.449	0	0	9.14	0	0	0	0	25.68	0.026	6.353
J1255	6.58	18.81	1285.93	4/13/2017 14:34	18.81	47.68	32136.32	0.421	3530	0.07	0	0	33.19	0	0	0	0	441.33	23.472	72.817
J1259	0.01	0.12	1314.62	4/13/2017 12:00	0.12	13.64	13.64	0.257	0.257	-0.598	0	0	9.88	0	0	0	0	3.74	0.28	3.647
J1269	0.1	0.65	1282.26	4/13/2017 12:01	0.65	53.34	147.99	0.822	2.86	-0.369	0	0	10.35	0	0	0	0	30.83	1.802	4.8
J1271	4.66	15.48	1279.48	4/13/2017 14:37	15.48	59.03	32105.02	0.762	3530	0.049	0	0	39.52	0	0	0	0	590.85	33.302	54.337
J1279	1.3	4.37	1274.37	4/13/2017 12:25	4.37	22.28	839.03	0.181	57.8	0.002	0	0	21.63	0	0	0	0	1634.32	37.221	0.513
J1283	1.75	4.8	1274.34	4/13/2017 12:25	4.8	22.82	832.72	0.284	58.1	-0.005	0	0	28.2	0	0	0	0	1637.95	37.221	0.508
J1285	0.35	2.73	1294.61	4/13/2017 12:30	2.73	29.8	181.81	0.477	4.59	0.043	0	0	16.27	0	0	0	0	47.1	2.716	3.86
J1287	7.38	19.52	1285.73	4/13/2017 14:34	19.52	96.18	32125.17	1.18	3530	0.066	0	0	42.48	0	0	0	0	456.3	23.87	70.404
J1289	0.09	0.47	1311.49	4/13/2017 12:00	0.47	81.91	107.01	1.2	1.74	-0.624	0	0	9.53	0	0	0	0	23.66	3.343	4.523
J1291	4.72	15.42	1278.92	4/13/2017 14:38	15.42	22.55	32099.32	0.279	3530	0.029	0	0	39.58	0	0	0	0	594.66	33.302	53.979
J1293	0.05	0.33	1314.33	4/13/2017 12:01	0.33	19.43	32.14	0.273	0.531	-1.594	0	0	9.67	0	0	0	0	7.06	0.861	4.552
J1295	0.12	0.51	1290.19	4/13/2017 12:17	0.51	21	76.13	0.371	5.44	-0.066	0	0	18.49	0	0	0	0	56.32	4.431	1.352
J1297	1.84	7.22	1281.22	4/13/2017 13:39	7.22	51.25	6113.39	0.518	513	0.001	0	0	10.78	0	0	0	0	628.7	25.017	9.724
J1299	0.17	0.67	1283.67	4/13/2017 12:05	0.67	39.19	106.92	0.488	5.93	-1.607	0	0	24.33	0	0	0	0	68.95	5.012	1.551
J13	0.1	0.71	1376.79	4/13/2017 12:00	0.71	34.27	83.28	0.458	1.94	-0.851	0	0	16.29	0	0	0	0	19.07	3.526	4.367
J1301	1.13	4.13	1269.19	4/13/2017 12:27	4.13	59.09	864.28	0.852	60.4	-0.002	0	0	20.87	0	0	0	0	1666.89	37.553	0.518
J1305	0.16	1.14	1299.14	4/13/2017 12:01	1.14	60.82	153.98	0.761	2.78	-0.191	0	0	16.86	0	0	0	0	36.12	5.958	4.263
J1307	0.13	0.93	1295.74	4/13/2017 12:00	0.93	29.09	168.56	0.382	3.17	-0.137	0	0	25.07	0	0	0	0	40.66	6.974	4.146
J1309	0.07	0.58	1314.2	4/13/2017 12:00	0.58	22.6	68.66	0.304	1.01	-0.729	0	0	20.42	0	0	0	0	13.41	0	5.12
J131	0.1	0.46	1266.31	4/13/2017 12:00	0.46	48.38	53.46	0.861	3.23	-0.535	0	0	22.54	0	0	0	0	34.94	0.603	1.53
J1316	1.88	7.16	1280.19	4/13/2017 13:39	7.16	22.57	6111.32	0.225	514	-0.001	0	0	12.84	0	0	0	0	633.8	25.017	9.642
J1318	0.03	0.43	1317.94	4/13/2017 12:00	0.43	12.82	47.43	0.198	0.704	-1.052	0	0	20.57	0	0	0	0	9.44	0	5.024
J1324	1.05	4.67	1304.69	4/13/2017 12:52	4.66	0	167.2	0	7.15	-0.619	0	0	14.33	0	0	0	0	77.13	4.449	2.168
J133	0.08	0.65	1297.35	4/13/2017 12:08	0.65	0	113.24	0	2.3	-0.243	0	0	23.35	0	0	0	0	25.09	1.179	4.513
J1330	0.39	3.68	1304.68	4/13/2017 12:51	3.68	0	197.81	0	7.17	0.247	0	0	14.32	0	0	0	0	77.13	4.449	2.565
J1332	0.09	0.87	1290.49	4/13/2017 12:00	0.87	22.68	183.91	0.218	3.39	-0.103	0	0	33.13	0	0	0	0	43.69	7.472	4.209
J1334	0.08	0.8	1287.91	4/13/2017 12:00	0.8	0	183.37	0	3.4	-0.084	0	0	33.2	0	0	0	0	43.69	7.472	4.197
J1336	0.02	0.37	1326.76	4/13/2017 12:00	0.37	35.45	35.45	0.503	0.503	-0.57	0	0	17.63	0	0	0	0	7.22	0	4.91
J1344	5.1	15.85	1277.89	4/13/2017 14:40	15.85	19.93	32093.22	0.179	3530	0.028	0	0	28.15	0	0	0	0	610.86	34.495	52.538
J1346	0.03	0.51	1290.14	4/13/2017 12:00	0.51	51.61	51.61	0.669	0.669	-3.445	0	0	16.49	0	0	0	0	8.77	0.128	5.885
J135	0.05	0.54	1296.03	4/13/2017 12:06	0.54	0	232.57	0	4.55	-1.216	0	0	29.46	0	0	0	0	81.12	2.737	2.867
J1350	5.16	15.54	1278.27	4/13/2017 14:39	15.54	65.45	32096.72	0.866	3530	0.028	0	0	31.46	0	0	0	0	606.05	34.471	52.961
J1354	0.25	1.22	1286.22	4/13/2017 12:00	1.22	74.74	246.4	0.783	4.18	-0.138	0	0	32.78	0	0	0	0	56.35	9.165	4.373
J1358	0.03	0.53	1312.53	4/13/2017 12:00	0.53	27.34	95.1	0.427	1.45	-0.192	0	0	21.47	0	0	0	0	18.21	0	5.222
J1362	0.04	0.29	1286.12	4/13/2017 12:00	0.29	17.02	17.02	0.257	0.257	-0.917	0	0	17.71	0	0	0	0	4.06	0.822	4.192
J1364	0.38	1.32	1278.32	4/13/2017 13:38	1.32	13.37	104.67	0.112	6.14	0.856	0	0	23.68	0	0	0	0	71.37	5.124	1.467
J1369	0.04	0.39	1282.39	4/13/2017 12:00	0.39	34.9	81.33	0.616	1.44	-0.409	0	0	12.61	0	0	0	0	15.58	0.518	5.22
J137	0.04	0.49	1303.49	4/13/2017 12:00	0.49	30.21	30.21	0.557	0.557	-0.274	0	0	10.51	0	0	0	0	5.75	0.476	5.254
J1371	3.01	12.15	1279.15	4/13/2017 13:41	12.15	49.27	6111.06	0.492	514	0.003	0	0	9.85	0	0	0	0	643.06	25.39	9.503
J1377	0.08	0.74	1292.74	4/13/2017 12:00	0.74	66.95	66.95	0.866	0.866	-0.963	0	0	26.26	0	0	0	0	16.58	2.221	4.038
J1379	0.14	1.33	1284.33	4/13/2017 12:00	1.32	0	244.21	0	4.19	-0.194	0	0	34.67	0	0	0	0	56.35	9.165	4.334
J138	0.15	0.96	1266.2	4/13/2017 12:18	0.96	0	83.6	0	2.28	-2.52	0	0	33.04	0	0	0	0	42.37	4.096	1.973
J1385	0.08	0.52	1302.27	4/13/2017 12:00	0.52	63.66	172.88	1.02	2.8	-0.478	0	0	13.48	0	0	0	0	32.55	0.671	5.311
J1388	0.11	0.64	1270.56	4/13/2017 12:01	0.64	0	134.64	0	2.63	-0.101	0	0	16.36	0	0	0	0	28.25	1.341	4.766
J139	0.29	3.11	1271.9	4/13/2017 12:16	3.11	0	115.27	0	2.29	0.29	0	0	10.89	0	0	0	0	42.37	4.096	2.721
J1390	0.07	1.05	1311.05	4/13/2017 12:00	1.04	19.51	113.69	0.306	1.76	-0.324	0	0	20.95	0	0	0	0	21.65	0	5.251
J1392	0.27	1.64	1296.17	4/13/2017 12:00	1.64	73.9	285.2	1.02	11.1	-0.111	0	0	15.36	0	0	0	0	123.33	7.042	2.312
J1394	0.06	0.61	1310.11	4/13/2017 12:01	0.61	0	113.25	0	1.76	-0.591	0	0	13.39	0	0	0	0	21.65	0	5.231
J1396	0.1	0.34	1301.34	4/13/2017 11:55	0.34	26.6	26.6	0.355	0.355	-0.814	0	0	16.66	0	0	0	0	4.5	1.125	5.911
J1398	0.07	0.58	1275.9	4/13/2017 12:00	0.58	61.19	138.75	1.18	2.62	-0.308	0	0	16.42	0	0	0	0	28.25	1.341	4.912
J14	0.4	3.77	1352.24	4/13/2017 12:06	3.77	28.65	72.88	0.358	0.976	0.873	0	0	9.23	0	0	0	0	15.54	1.258	4.69
J1403	0.06	0.63	1266.05	4/13/2017 12:01	0.63	32.7	164.03	0.629	3.27	-0.313	0	0	15.37	0	0	0	0	38.17	1.47	4.297
J1406	3.72	13.58	1275.57	4/13/2017 14:45	13.58	29.03	32090.2	0.249	3530	0.015	0	0	29.42	0	0	0	0	616.6	34.617	52.044
J141	0.2	1.01	1312.75	4/13/2017 12:04	1.01	23.35	153.57	0.333	3.06	-0.071	0	0	15.99	0	0	0	0	32.53	1.246	4.721
J1410	0.09	0.87	1268.87	4/13/2017 12:01	0.87	0	134.15	0	2.63	-0.115	0	0	15.13	0	0	0	0	28.25	1.341	4.749
J1415	3.07	12.38	1278.38	4/13/2017 13:41	12.38	0	6109.28	0	514	0.001	0	0	9.62	0	0	0	0	643.06	25.39	9.5
J1420	0.52	2.4	1284.4	4/13/2017 12:14	2.4	47.43	307.29	0.541	13.6	-0.006	0	0	46.6	0	0	0	0	160.74	13.189	1.912

Junctions SWMM 25-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J1422	4.37	14.62	1275.62	4/13/2017 14:45	14.62	7.16	32084.37	0.048	3530	0.01	0	0	14.38	0	0	0	0	617.77	34.617	51.936
J1426	0.11	0.71	1280.71	4/13/2017 12:00	0.71	60.86	77.52	0.786	1.05	-7.472	0	0	23.29	0	0	0	0	16.81	3.111	4.612
J1428	0.05	0.43	1284.52	4/13/2017 12:00	0.43	30.37	30.37	0.419	0.419	-12.97	0	0	22.57	0	0	0	0	6.91	1.224	4.395
J143	0.19	1.6	1315.6	4/13/2017 12:10	1.6	31.76	54.48	0.543	1.22	-0.151	0	0	7.4	0	0	0	0	11.6	1.712	4.697
J1430	4.52	13.46	1275.75	4/13/2017 15:57	13.45	19.94	15695.02	0.187	1820	0.005	0	0	17.54	0	0	0	0	544.64	41.247	28.817
J1432	0.02	0.31	1297.93	4/13/2017 12:00	0.31	20.81	20.81	0.247	0.247	-2.666	0	0	20.69	0	0	0	0	3.82	0.425	5.448
J1435	4.3	15.12	1275.12	4/13/2017 14:45	15.12	33.77	32069.69	0.285	3530	0.004	0	0	26.88	0	0	0	0	643.05	37.727	49.871
J1446	0.04	0.59	1269.67	4/13/2017 12:00	0.59	65.59	65.59	0.881	0.881	-0.587	0	0	32.41	0	0	0	0	13.54	1.54	4.844
J145	0.09	0.5	1312.5	4/13/2017 12:16	0.5	0	38.3	0	1.22	-0.171	0	0	8.5	0	0	0	0	11.6	1.712	3.302
J1452	4.86	16.35	1275.06	4/13/2017 14:45	16.35	22.2	32067.22	0.174	3530	0.013	0	0	25.65	0	0	0	0	647.82	37.727	49.5
J1454	2.4	7.92	1268.85	4/13/2017 13:45	7.92	42.89	6164.67	0.369	523	-0.016	0	0	25.08	0	0	0	0	766.97	33.04	8.038
J1463	4.66	17.19	1274.23	4/13/2017 15:38	16.99	37.4	23991.22	0.534	1820	0.066	0	0	14.81	0	0	0	0	576.72	45.012	41.599
J1465	0.06	0.47	1292.47	4/13/2017 12:00	0.47	46.01	46.01	0.521	0.521	-3.725	0	0	23.53	0	0	0	0	10.55	1.001	4.361
J1467	5.19	16.97	1274.64	4/13/2017 14:45	16.97	0	32061.73	0	3530	0.03	0	0	15.03	0	0	0	0	647.82	37.727	49.492
J1469	0.03	0.36	1280.36	4/13/2017 12:02	0.36	50.85	68.13	0.428	1.57	-1.174	0	0	16.64	0	0	0	0	36.79	1.257	1.852
J147	0.14	1.19	1318.19	4/13/2017 12:03	1.19	0	33.81	0	0.672	-0.099	0	0	12.81	0	0	0	0	6.37	1.005	5.308
J1475	0.61	3.56	1287.56	4/13/2017 12:11	3.56	68.85	358.59	0.743	13.1	-0.118	0	0	16.44	0	0	0	0	152.87	11.746	2.346
J1478	7.3	18.13	1282.13	4/13/2017 15:56	18.13	35.16	15668.79	0.24	1800	0.075	0	0	10.87	0	0	0	0	249.46	14.215	62.811
J148	0.08	0.6	1315.6	4/13/2017 12:10	0.6	0	27.76	0	0.673	-0.506	0	0	8.4	0	0	0	0	6.37	1.005	4.358
J1480	0.05	0.93	1271.97	4/13/2017 12:00	0.93	107.1	107.1	1.09	1.09	-0.034	0	0	13.07	0	0	0	0	24.1	1.565	4.444
J1482	0.11	1.19	1279.19	4/13/2017 15:58	1.19	15.88	129.45	0.124	2.65	-0.722	0	0	12.81	0	0	0	0	40.02	1.275	3.235
J1484	0.03	0.5	1283.58	4/13/2017 12:00	0.5	62.5	62.5	0.938	0.938	-0.637	0	0	11.5	0	0	0	0	10.48	0	5.964
J15	0.06	0.92	1355.92	4/13/2017 11:55	0.91	21.91	109.47	0.319	1.68	-0.139	0	0	42.08	0	0	0	0	16.18	2.052	6.766
J1500	0.26	2.95	1266.95	4/13/2017 13:52	2.95	42.92	103.68	0.506	2.82	-2.75	0	0	32.05	0	0	0	0	19.44	2.142	5.333
J1504	3.78	14.61	1273.61	4/13/2017 15:40	14.57	13.14	18242.97	0.128	1820	-0.062	0	0	17.39	0	0	0	0	567.79	43.503	32.13
J151	0.31	3	1309	4/13/2017 12:02	3	18.6	819.48	0.284	10.5	-0.049	0	0	35	0	0	0	0	166.62	14.97	4.918
J1510	0.09	0.53	1265.62	4/13/2017 12:02	0.53	56.47	56.47	0.749	0.749	-2.506	0	0	12.47	0	0	0	0	20.75	1.168	2.721
J152	0.25	4.08	1351.08	4/13/2017 12:24	4.08	0	135.95	0	2.04	-0.819	0	0	76.92	0	0	0	0	60.86	5.884	2.234
J1525	0.11	0.5	1282.14	4/13/2017 12:01	0.5	23.02	23.02	0.215	0.215	-6.361	0	0	13.5	0	0	0	0	6.55	0.054	3.515
J1527	0.02	0.32	1283.36	4/13/2017 12:00	0.32	24.25	48.7	0.358	0.823	-0.69	0	0	12.68	0	0	0	0	112.07	6.922	0.435
J1536	1.35	8.88	1272.9	4/13/2017 14:48	8.88	27.79	464.87	0.223	13.4	-0.279	0	0	21.12	0	0	0	0	6.26	0	74.26
J1538	0.12	1.47	1282.47	4/13/2017 15:57	1.47	50.45	50.45	0.434	0.706	-0.832	0	0	20.53	0	0	0	0	11.94	0.124	4.225
J1542	5.19	17.39	1272.39	4/13/2017 15:46	17.39	19.77	16606.49	0.201	1780	0.001	0	0	14.61	0	0	0	0	638.61	50.638	26.004
J1544	0.05	0.57	1279.57	4/13/2017 12:01	0.57	46.41	89.7	0.748	1.59	-1.104	0	0	13.43	0	0	0	0	120.28	7.093	0.746
J1551	0.04	0.34	1281.83	4/13/2017 12:02	0.34	0	46.96	0	0.829	-1.523	0	0	13.66	0	0	0	0	112.07	6.922	0.419
J1553	0.01	0.24	1267.66	4/13/2017 12:00	0.24	26.8	26.8	0.273	0.273	-0.285	0	0	9.76	0	0	0	0	7.33	0.247	3.656
J1560	0.03	0.53	1276.53	4/13/2017 12:01	0.52	23.88	144.64	0.27	1.93	-1.402	0	0	22.47	0	0	0	0	27.25	2.408	5.308
J1563	0.09	0.58	1266.95	4/13/2017 13:52	0.58	0	26.43	0	0.368	-1.707	0	0	16.42	0	0	0	0	7.33	0.247	3.606
J1567	4.57	14.64	1282.64	4/13/2017 15:55	14.64	45.89	15694.22	0.449	1800	0.031	0	0	19.36	0	0	0	0	218.67	13.815	71.771
J157	0.17	2.25	1308.96	4/13/2017 12:00	2.25	0	114.93	0	1.55	0.067	0	0	7.75	0	0	0	0	17.65	2.83	6.512
J1571	0.19	1.5	1273.5	4/13/2017 12:08	1.5	37.67	167.05	0.343	2.36	-2.572	0	0	17.5	0	0	0	0	33.96	2.599	4.919
J1573	0.04	0.47	1267.63	4/13/2017 11:56	0.47	0	71.39	0	1.19	-0.121	0	0	14.53	0	0	0	0	11.13	1.755	6.414
J158	0.26	2.86	1356.86	4/13/2017 11:56	2.86	0	128.13	0	1.91	0.021	0	0	29.14	0	0	0	0	19.6	1.215	6.537
J1584	0.09	0.56	1270.03	4/13/2017 11:55	0.55	71.89	71.89	1.19	1.19	-0.075	0	0	12.44	0	0	0	0	11.13	1.755	6.459
J1586	4.1	14.52	1289.54	4/13/2017 15:47	14.52	0	15043.31	0	1770	0.014	0	0	9.48	0	0	0	0	83.18	0.991	180.852
J1588	0.02	0.3	1260.3	4/13/2017 12:00	0.3	57.77	57.77	0.826	0.826	-0.407	0	0	8.7	0	0	0	0	15.44	0.684	3.742
J159	0.1	1.25	1352.45	4/13/2017 11:56	1.25	0	127.73	0	1.91	-0.039	0	0	11.75	0	0	0	0	19.6	1.215	6.517
J1590	0.09	0.8	1280.16	4/13/2017 12:00	0.8	49.8	122.27	0.66	1.65	-0.516	0	0	22.2	0	0	0	0	23	2.1	5.316
J1593	5.12	15.79	1287.79	4/13/2017 15:50	15.79	33.69	15716.26	0.253	1790	0.022	0	0	8.21	0	0	0	0	90.61	1.033	173.45
J1597	0.13	0.6	1272.22	4/13/2017 12:07	0.6	67.43	150.49	1.01	2.62	-3.615	0	0	23.4	0	0	0	0	132.63	8.743	1.135
J16	0.28	2.29	1265.29	4/13/2017 12:06	2.29	0	244.95	0	8.89	-0.089	0	0	12.71	0	0	0	0	111.87	12.188	2.19
J1601	0.04	0.55	1265.57	4/13/2017 12:00	0.55	31.93	101.36	0.511	1.7	-0.101	0	0	14.45	0	0	0	0	16.43	2.104	6.169
J1609	3.74	12.85	1283.35	4/13/2017 15:53	12.85	24.69	15698.97	0.223	1800	0.019	0	0	28.15	0	0	0	0	210.63	13.23	74.533
J161	0.07	0.69	1338.19	4/13/2017 11:59	0.69	0	119.73	0	1.84	-0.104	0	0	16.31	0	0	0	0	17.86	1.982	6.704
J1613	0.5	3.11	1257.2	4/13/2017 15:16	3.11	38.3	38.3	0.417	0.536	-0.685	0	0	31.89	0	0	0	0	7.94	0.401	4.824
J1615	0.56	4.56	1289.56	4/13/2017 15:47	4.56	3.9	1024.12	0.022	52.6	-0.023	0	0	16.44	0	0	0	0	51.82	0.59	19.763
J1617	0.51	3.79	1271.79	4/13/2017 15:47	3.79	0	1324.89	0	52.3	-0.357	0	0	27.21	0	0	0	0	97.32	10.094	13.614
J1619	0.05	0.54	1264.54	4/13/2017 12:00	0.54	16.81	117.88	0.252	1.95	-0.265	0	0	21.46	0	0	0	0	19.23	2.117	6.13

Junctions SWMM 25-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J162	0.44	4.71	1379.71	4/13/2017 11:55	4.71	40.64	258.23	0.508	3.11	0.019	0	0	17.29	0	0	0	0	32.49	4.147	7.948
J1623	1	1.62	1256.72	4/13/2017 14:11	1.62	27.01	214.74	0.374	3.05	15.991	0	0	13.38	0	0	0	0	50.69	2.464	4.236
J1625	0.42	2.75	1288.75	4/13/2017 15:48	2.75	13.37	695	0.134	31.2	-0.002	0	0	10.25	0	0	0	0	51.21	0.59	13.572
J1627	0.85	1.47	1256.72	4/13/2017 14:15	1.47	67.25	232.58	0.804	3.31	23.5	0	0	16.53	0	0	0	0	45.05	2.152	5.163
J1629	0.03	0.5	1292.02	4/13/2017 12:00	0.5	35.36	73.77	0.418	0.983	-0.368	0	0	20.5	0	0	0	0	13.65	1.045	5.404
J1633	0.09	0.47	1270.04	4/13/2017 12:00	0.47	28.06	28.06	0.39	0.39	-0.647	0	0	11.53	0	0	0	0	7.99	0.939	3.512
J1635	4.63	13.87	1284.81	4/13/2017 15:52	13.87	32.17	15701.76	0.369	1800	0.022	0	0	27.13	0	0	0	0	203.97	13.184	76.981
J1637	0.09	0.55	1265.88	4/13/2017 12:01	0.55	13.3	38.99	0.225	0.618	-0.957	0	0	11.45	0	0	0	0	13.84	1.938	2.817
J1643	0.14	1.03	1289.03	4/13/2017 12:05	1.03	11.36	129.02	0.12	2.65	-0.736	0	0	8.97	0	0	0	0	46.86	0.59	2.753
J1645	0.12	0.52	1306.52	4/13/2017 12:00	0.51	44.65	44.65	0.565	0.565	0.008	0	0	15.48	0	0	0	0	9.3	0.517	4.801
J1647	0.04	0.42	1260.72	4/13/2017 12:00	0.42	67.14	150.36	0.891	2.22	-0.146	0	0	26.58	0	0	0	0	24.9	1.641	6.039
J1649	0.18	1.66	1255.34	4/13/2017 15:23	1.66	17.63	22.12	0.251	2.02	-0.003	0	0	13.34	0	0	0	0	66.22	4.176	0.334
J1653	0.3	1.87	1254.87	4/13/2017 12:06	1.87	57.2	286.22	0.898	6.65	-0.537	0	0	30.13	0	0	0	0	182.96	13.215	1.564
J1660	0.12	0.63	1257.13	4/13/2017 12:00	0.63	22.96	170.88	0.2	2.42	-3.335	0	0	26.37	0	0	0	0	28.37	1.711	6.023
J1662	5.71	17.85	1269.85	4/13/2017 15:16	17.85	30	16167.21	0.264	1830	0.053	3.13	3.362	9.148	0	0	0	0	716.68	57.976	22.558
J1664	0.1	0.69	1289.77	4/13/2017 12:00	0.69	0	162.86	0	2.62	-0.021	0	0	10.31	0	0	0	0	29.92	3.863	5.443
J1669	0.18	3.21	1268.23	4/13/2017 14:59	3.21	4.06	1059.67	0.085	32.3	-0.014	0	0	114.79	0	0	0	0	684.31	38.899	1.549
J1673	2.07	6.55	1257.55	4/13/2017 13:56	6.55	27.51	6114.69	0.219	526	0.014	0	0	17.45	0	0	0	0	813.9	36.192	7.513
J1675	0.07	0.49	1260.19	4/13/2017 12:11	0.49	0	87.31	0	1.81	-0.804	0	0	14.51	0	0	0	0	62	3.587	1.408
J1677	0.04	0.35	1263.99	4/13/2017 12:08	0.35	3.94	33.91	0.046	0.669	-0.548	0	0	10.65	0	0	0	0	21.67	2.118	1.565
J1679	0.07	1.24	1290.24	4/13/2017 12:00	1.24	70.65	70.65	0.811	0.811	-0.464	0	0	8.76	0	0	0	0	18.65	0.003	3.788
J1681	0.04	0.5	1296.86	4/13/2017 12:00	0.5	15.59	41.69	0.206	0.529	-0.563	0	0	18.5	0	0	0	0	7.85	0.79	5.311
J1683	0.13	0.99	1276.99	4/13/2017 12:00	0.99	54.48	296.02	0.646	5.18	-0.594	0	0	30.01	0	0	0	0	60.86	7.224	4.864
J1687	0.15	0.52	1258.61	4/13/2017 12:13	0.52	2.08	86.38	0.007	1.83	-4.287	0	0	20.48	0	0	0	0	64.28	3.59	1.344
J1691	0.07	0.5	1290.13	4/13/2017 12:00	0.5	38.52	38.52	0.552	0.552	-0.039	0	0	9.5	0	0	0	0	7.6	1.175	5.068
J1693	0.56	4.33	1255.33	4/13/2017 15:23	4.33	0.05	225.5	0.001	5.54	-0.651	0	0	21.67	0	0	0	0	70.19	4.182	3.213
J1697	2.71	9.16	1257.16	4/13/2017 15:16	9.16	0	6099.63	0	528	-0.014	0	0	17.84	0	0	0	0	890.28	40.185	6.851
J1699	1.1	1.72	1256.72	4/13/2017 14:13	1.72	17.21	192.18	0.256	2.89	42.725	0	0	13.28	0	0	0	0	55.76	3.131	3.447
J17	0.19	0.88	1296.43	4/13/2017 12:00	0.88	49.24	320.92	0.748	4.6	-0.049	0	0	14.12	0	0	0	0	59.17	10.144	5.424
J1701	0.06	0.58	1288.76	4/13/2017 12:00	0.58	0	38.38	0	0.552	-0.114	0	0	10.42	0	0	0	0	7.6	1.175	5.05
J1704	0.12	0.66	1294.97	4/13/2017 12:10	0.66	5.95	88.58	0.051	1.45	0.066	0	0	14.34	0	0	0	0	22.56	0.587	3.926
J1707	0.09	0.65	1300.65	4/13/2017 12:00	0.65	99.85	99.85	1.62	1.62	-0.287	0	0	22.35	0	0	0	0	17.94	2.482	5.566
J1711	2.88	10.07	1257.07	4/13/2017 15:24	10.07	0	6094.8	0	528	-0.021	0	0	18.93	0	0	0	0	890.28	40.185	6.846
J1713	0.05	0.46	1295.92	4/13/2017 12:00	0.46	60.38	60.38	0.991	0.991	-0.284	0	0	17.54	0	0	0	0	10.6	1.475	5.696
J1719	0.3	2.21	1265.21	4/13/2017 15:02	2.21	20.85	1042.43	0.434	32.7	-0.614	0	0	24.79	0	0	0	0	693.14	41.121	1.504
J1721	0.07	0.72	1307.72	4/13/2017 11:55	0.72	84.98	154.25	1.09	2.03	-0.299	0	0	18.28	0	0	0	0	22.9	3.016	6.736
J1729	0.09	0.74	1290.5	4/13/2017 12:00	0.74	68.12	165.52	0.985	2.61	-0.164	0	0	22.26	0	0	0	0	29.92	3.863	5.532
J1735	0.07	1	1304	4/13/2017 12:00	1	43.46	43.46	0.523	0.523	-0.31	0	0	11	0	0	0	0	7.48	0.476	5.81
J1745	0.04	0.32	1302.32	4/13/2017 12:00	0.32	18.05	86.4	0.23	3.17	-0.279	0	0	12.68	0	0	0	0	36.08	4.249	2.395
J1758	0.06	0.58	1309.58	4/13/2017 11:55	0.58	69.68	69.68	0.941	0.941	-0.033	0	0	16.42	0	0	0	0	10.39	1.458	6.706
J1763	7	19.49	1256.99	4/13/2017 15:21	19.49	2.42	47488.29	0.011	5950	0.074	0	0	15.51	0	0	0	0	3478.99	268.957	13.65
J1770	0.06	0.58	1309.61	4/13/2017 12:01	0.58	65.73	90.43	1.01	1.36	-2.855	0	0	14.42	0	0	0	0	21.65	0.587	4.177
J1776	4.93	15.35	1265.26	4/13/2017 15:15	15.16	48.62	46378.18	0.673	5320	0.029	0	0	40.65	0	0	0	0	1458.2	102.249	31.805
J1780	0.57	4.13	1316.13	4/13/2017 12:39	4.13	32.08	115.86	0.376	2.42	0.488	0	0	11.87	0	0	0	0	25.46	3.457	4.551
J1786	0.04	0.53	1307.82	4/13/2017 12:01	0.53	0	45.95	0	0.681	-0.847	0	0	15.47	0	0	0	0	9.74	0.628	4.718
J1793	0.08	0.53	1322.53	4/13/2017 12:00	0.53	61.17	86.26	0.854	2.01	-1.702	0	0	20.47	0	0	0	0	20.51	2.817	4.206
J1795	0.01	0.25	1313.78	4/13/2017 12:00	0.25	25.04	25.04	0.344	0.344	-0.305	0	0	14.75	0	0	0	0	5.06	0.36	4.949
J1797	0.03	0.36	1314.99	4/13/2017 12:00	0.36	46.91	46.91	0.678	0.678	-0.526	0	0	15.64	0	0	0	0	9.74	0.628	4.816
J18	0.21	1.18	1258.17	4/13/2017 12:07	1.18	0	244.11	0	8.92	-0.576	0	0	28.82	0	0	0	0	111.87	12.188	2.182
J1806	0.09	0.61	1292.95	4/13/2017 12:04	0.61	0	52.91	0	0.922	-6.423	0	0	30.39	0	0	0	0	16.41	2.581	3.224
J1815	0.14	1.22	1265.41	4/13/2017 12:06	1.22	44.54	250.58	0.492	8.88	-0.114	0	0	20.78	0	0	0	0	111.87	12.188	2.24
J1817	0.09	0.75	1344.28	4/13/2017 11:55	0.75	82.77	82.77	1.15	1.15	-1.965	0	0	20.25	0	0	0	0	10.81	1.784	7.657
J1819	0.17	1.49	1272.27	4/13/2017 12:01	1.49	61.31	212.09	0.777	3.41	-0.533	0	0	22.51	0	0	0	0	50.9	4.137	4.167
J1824	0.06	0.65	1344.65	4/13/2017 12:00	0.65	70.23	70.23	1.03	1.03	-0.989	0	0	22.35	0	0	0	0	11.64	1.097	6.034
J1829	0.07	0.93	1267.23	4/13/2017 12:00	0.93	81.09	587.07	1.35	8.55	-0.173	0	0	14.07	0	0	0	0	104.32	17.075	5.628
J1831	0.02	0.37	1281.06	4/13/2017 12:00	0.37	41.76	41.76	0.646	0.646	-0.076	0	0	10.63	0	0	0	0	9.74	0.769	4.287
J1838	0.3	2.54	1279.54	4/13/2017 12:04	2.54	22.29	238.97	0.316	8.37	-0.132	0	0	16.46	0	0	0	0	105.77	10.988	2.259
J1840	0.16	1.28	1274.72	4/13/2017 12:04	1.28	0	236.21	0	8.38	-0.052	0	0	20.72	0	0	0	0	105.77	10.988	2.233

Junctions SWMM 25-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J1842	0.15	0.99	1280.99	4/13/2017 12:05	0.99	85.24	170.7	0.956	2.29	-0.09	0	0	14.01	0	0	0	0	42.37	4.096	4.029
J1844	0.12	0.73	1261.07	4/13/2017 15:18	0.73	69.15	154.14	0.956	2.71	-0.853	0	0	33.27	0	0	0	0	21.53	2.292	7.159
J1846	0.15	1.34	1300.73	4/13/2017 12:00	1.33	154.74	154.74	2.38	2.38	-1.106	0	0	13.66	0	0	0	0	23.58	2.384	6.562
J1848	0.07	0.59	1288.42	4/13/2017 12:00	0.59	50.63	50.63	0.818	0.818	-0.098	0	0	19.41	0	0	0	0	8.11	0.85	6.243
J1850	0.06	0.79	1278.82	4/13/2017 12:00	0.79	24.28	157.75	0.29	2.65	-1.514	0	0	19.21	0	0	0	0	24.92	4.049	6.33
J1852	1.31	3.59	1279.59	4/13/2017 12:04	3.59	15.27	238.69	0.2	8.04	-0.208	0	0	15.41	0	0	0	0	102.76	10.589	2.323
J1855	0.18	0.88	1276.89	4/13/2017 12:00	0.88	19.96	512.53	0.292	7.19	-0.125	0	0	12.12	0	0	0	0	91.07	15.037	5.628
J1858	0.1	1.29	1267.94	4/13/2017 12:00	1.29	43.78	299.86	0.664	4.67	-0.797	0	0	30.71	0	0	0	0	46.02	4.611	6.516
J1860	0.25	1.37	1284.55	4/13/2017 12:01	1.37	31.31	221.93	0.483	7.45	-0.685	0	0	40.63	0	0	0	0	97.81	9.889	2.269
J1866	1	4.94	1262.94	4/13/2017 15:17	4.91	108.3	2090.29	1.63	67.6	-0.796	0	0	61.06	0	0	0	0	572.4	68.021	3.652
J1871	0.74	7.09	1269.09	4/13/2017 12:08	7.09	32.49	2059.78	0.446	57.8	0.035	0	0	26.91	0	0	0	0	557.95	64.942	3.692
J1873	0.28	4.09	1286.07	4/13/2017 12:00	4.08	71.62	271.44	0.981	4	-0.187	0	0	27.91	0	0	0	0	39.87	3.574	6.808
J1879	0.04	0.58	1282.25	4/13/2017 12:00	0.58	60.99	495.58	0.689	6.89	-0.062	0	0	13.42	0	0	0	0	88.08	14.287	5.626
J1881	0.86	4.3	1274.32	4/13/2017 12:07	4.3	81.79	1963.07	1.18	54.5	-0.191	0	0	29.7	0	0	0	0	528.49	60.574	3.714
J1883	0.22	1.32	1284.52	4/13/2017 12:01	1.31	21.82	229.5	0.313	7.81	-0.281	0	0	40.68	0	0	0	0	100.75	10.433	2.278
J1885	0.08	0.95	1299.08	4/13/2017 11:55	0.95	86.86	86.86	1.22	1.22	-0.118	0	0	30.05	0	0	0	0	12.05	1.231	7.208
J1887	0.26	2.53	1276.53	4/13/2017 12:05	2.53	25.4	550.9	0.315	11.1	-0.44	0	0	23.47	0	0	0	0	109.92	9.675	5.012
J1889	0.09	0.48	1294.48	4/13/2017 12:01	0.48	19.31	97.81	0.3	1.3	-2.301	0	0	14.52	0	0	0	0	20.78	2.51	4.707
J1891	0.04	0.76	1290.89	4/13/2017 12:00	0.76	77.15	114.97	0.928	1.38	-1.213	0	0	14.24	0	0	0	0	21.19	2.268	5.426
J1894	0.03	0.41	1278.43	4/13/2017 12:00	0.41	23.72	65.28	0.359	1.01	-0.148	0	0	10.59	0	0	0	0	14.89	1.42	4.384
J1896	0.13	1.41	1289.44	4/13/2017 11:56	1.41	63.4	207.37	0.826	3.01	-0.274	0	0	32.59	0	0	0	0	31.11	1.867	6.666
J1898	0.28	2.57	1303.57	4/13/2017 12:04	2.57	0	683.7	0	9.92	-2.079	0	0	52.43	0	0	0	0	120.91	18.56	5.655
J19	0.24	4.15	1268.15	4/13/2017 15:00	4.15	0	1052.97	0	32.3	-0.007	0	0	10.85	0	0	0	0	684.31	38.899	1.539
J1900	0.19	2.54	1295.04	4/13/2017 12:00	2.53	60.62	510.76	0.8	7.8	-1.155	0	0	18.46	0	0	0	0	77.66	6.559	6.577
J1905	0.17	1.32	1317.34	4/13/2017 12:00	1.32	149.62	335.2	1.98	5.1	-0.2	0	0	26.68	0	0	0	0	50.13	4.88	6.687
J1907	0.06	0.56	1292.67	4/13/2017 12:00	0.56	31.91	193.03	0.379	6.95	-0.164	0	0	16.44	0	0	0	0	92.88	9.508	2.078
J1909	0.04	0.45	1304.45	4/13/2017 12:00	0.45	80.28	80.28	0.997	0.997	-0.385	0	0	12.55	0	0	0	0	17.09	1.741	4.697
J1911	0.1	1.37	1304.53	4/13/2017 12:00	1.37	43.15	147.7	0.613	2.18	-0.067	0	0	32.63	0	0	0	0	23.3	0.765	6.339
J1913	0.13	0.57	1306.57	4/13/2017 12:00	0.57	0	38.87	0	0.445	-0.98	0	0	18.43	0	0	0	0	7.59	0.806	5.121
J1915	0.2	1.39	1297.38	4/13/2017 12:16	1.38	0	138.49	0	6.08	-0.025	0	0	14.61	0	0	0	0	79.83	8.432	1.735
J1917	0.03	0.46	1307.98	4/13/2017 12:00	0.46	38.9	38.9	0.445	0.445	-0.045	0	0	18.54	0	0	0	0	7.59	0.806	5.125
J1920	0.41	1.83	1279.83	4/13/2017 12:03	1.83	27.99	651.58	0.422	13.9	-0.272	0	0	23.17	0	0	0	0	129.4	24.88	5.035
J1922	0.07	0.98	1311.21	4/13/2017 12:00	0.98	105.16	105.16	1.57	1.57	-0.01	0	0	22.02	0	0	0	0	16.81	0.518	6.256
J1926	0.16	1.62	1308.01	4/13/2017 12:00	1.62	26.23	355.11	0.313	5.43	-0.122	0	0	23.38	0	0	0	0	53.17	5.187	6.679
J1928	0.25	1.42	1295.42	4/13/2017 12:00	1.42	39.27	161.73	0.494	6.57	-0.046	0	0	15.58	0	0	0	0	87.56	9.323	1.847
J1932	0.13	0.95	1298.15	4/13/2017 11:55	0.95	102.49	102.49	1.6	1.6	-0.059	0	0	28.05	0	0	0	0	14.1	3.189	7.269
J1935	0.19	0.97	1298.97	4/13/2017 11:57	0.97	29.82	272.87	0.345	3.85	-0.103	0	0	13.03	0	0	0	0	50.38	8.883	5.416
J1939	0.04	0.64	1337.64	4/13/2017 12:00	0.64	63.8	142.4	0.799	2.17	-0.054	0	0	24.36	0	0	0	0	20.99	2.324	6.784
J1941	0.29	4.1	1303.6	4/13/2017 12:16	4.1	20.59	362.55	0.235	5.47	1.508	0	0	22.9	0	0	0	0	72.19	7.265	5.022
J1945	0.1	0.47	1331.72	4/13/2017 12:00	0.47	19.72	19.72	0.386	0.386	-0.098	0	0	21.53	0	0	0	0	3.79	0.497	5.203
J1947	0.02	0.32	1303.64	4/13/2017 11:55	0.32	81.67	81.67	0.907	0.907	-0.368	0	0	22.68	0	0	0	0	13.12	1.643	6.225
J1949	0.15	1.17	1307.45	4/13/2017 11:59	1.17	65.49	303.78	0.779	4.64	-1.793	0	0	14.83	0	0	0	0	62.03	6.97	4.897
J1953	0.05	0.68	1325.05	4/13/2017 12:02	0.68	0	182.69	0	2.42	-0.256	0	0	20.32	0	0	0	0	33.88	4.505	5.392
J1956	0.04	0.62	1347.92	4/13/2017 11:55	0.62	36.06	93.29	0.531	1.36	-0.328	0	0	26.38	0	0	0	0	13.01	1.687	7.171
J1962	0.01	0.22	1350.22	4/13/2017 11:55	0.22	57.47	57.47	0.828	0.828	-0.022	0	0	20.78	0	0	0	0	8.01	0.953	7.175
J1964	0.63	2.96	1285.54	4/13/2017 12:02	2.95	23.34	870.81	0.287	26.8	-0.14	0	0	27.04	0	0	0	0	264.48	23.894	3.293
J1966	0.07	0.55	1314.99	4/13/2017 12:00	0.55	40.29	40.29	0.497	0.497	-3.109	0	0	12.45	0	0	0	0	6.3	0.113	6.395
J1971	0.36	4.76	1285.04	4/13/2017 12:05	4.75	67.85	900.57	0.916	27.8	-0.01	0	0	25.24	0	0	0	0	273.04	25.157	3.298
J1974	0.1	0.66	1287.22	4/13/2017 11:55	0.66	0	101.07	0	1.6	-0.191	0	0	28.34	0	0	0	0	14.1	3.189	7.168
J1983	0.27	0.95	1319.95	4/13/2017 11:57	0.95	0	176.16	0	2.96	-0.404	0	0	46.05	0	0	0	0	41.06	4.202	4.29
J1985	0.17	1.44	1327.93	4/13/2017 12:01	1.44	30.05	193.47	0.378	2.39	-1.115	0	0	19.56	0	0	0	0	33.88	4.505	5.71
J1987	0.06	0.6	1336.31	4/13/2017 12:00	0.6	23.37	163.66	0.285	2	-0.563	0	0	22.4	0	0	0	0	27.47	3.808	5.958
J1989	0.22	1.22	1296.77	4/13/2017 12:01	1.22	28.67	556.14	0.387	11.5	-0.106	0	0	20.78	0	0	0	0	108.66	20.725	5.118
J1991	0.13	0.97	1314.23	4/13/2017 11:58	0.97	71.17	244.04	0.872	3.85	-0.331	0	0	46.03	0	0	0	0	52.61	5.548	4.639
J1993	0.05	0.52	1337.52	4/13/2017 11:59	0.52	0	140.4	0	1.71	-0.19	0	0	22.48	0	0	0	0	23.57	3.483	5.957
J1997	0.53	2.62	1301.64	4/13/2017 12:00	2.62	81.64	625.51	1.08	21.6	-0.135	0	0	35.38	0	0	0	0	215.1	18.123	2.908
J1999	0.09	0.78	1328.78	4/13/2017 11:56	0.78	0	128.66	0	2.27	-0.31	0	0	21.22	0	0	0	0	31.22	3.218	4.121
J2	0.08	0.74	1288.34	4/13/2017 14:31	0.74	65.14	95.47	0.731	2.38	-0.782	0	0	35.26	0	0	0	0	29.2	2.31	3.27

Junctions SWMM 25-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J20	0.11	0.82	1304.57	4/13/2017 11:56	0.82	35.95	216.85	0.522	3.08	-0.042	0	0	11.18	0	0	0	0	39	7.166	5.56
J2001	0.16	1.55	1336.55	4/13/2017 12:00	1.54	66.12	418.97	0.925	5.46	-0.367	0	0	13.45	0	0	0	0	68.68	9.227	6.1
J2003	0.08	0.94	1303.2	4/13/2017 12:00	0.93	34.47	537.75	0.478	11.1	-0.109	0	0	32.06	0	0	0	0	104.93	20.288	5.125
J2005	0.03	0.42	1344.49	4/13/2017 12:00	0.42	29.45	29.45	0.336	0.336	-0.101	0	0	14.58	0	0	0	0	5.49	0.545	5.364
J2011	0.1	0.82	1324.94	4/13/2017 11:56	0.82	50.97	176.29	0.683	2.96	-0.127	0	0	21.18	0	0	0	0	41.06	4.202	4.293
J2016	0.03	0.42	1351.9	4/13/2017 11:57	0.42	17.66	113.49	0.231	1.36	-0.498	0	0	28.58	0	0	0	0	18.08	2.938	6.277
J2018	0.04	0.47	1332.01	4/13/2017 11:55	0.47	83.13	176.35	1.22	2.57	-0.179	0	0	19.53	0	0	0	0	23.42	5.734	7.53
J2020	0.14	0.94	1297.39	4/13/2017 11:55	0.94	141.7	141.7	2.25	2.25	-0.325	0	0	13.06	0	0	0	0	21.56	3.01	6.572
J2022	0.27	1.88	1309.89	4/13/2017 12:00	1.87	44.97	509.05	0.726	10.6	-0.057	0	0	30.12	0	0	0	0	100.39	19.68	5.071
J2024	0.02	0.33	1317.3	4/13/2017 11:55	0.32	93.38	93.38	1.23	1.23	-0.033	0	0	10.67	0	0	0	0	16.47	3.39	5.67
J2030	0.08	0.77	1338.34	4/13/2017 11:55	0.77	48.3	131.78	0.53	2.26	-0.316	0	0	107.23	0	0	0	0	31.22	3.218	4.221
J2032	0.05	0.55	1355.62	4/13/2017 11:56	0.55	51.13	99.07	0.533	1.12	-0.601	0	0	24.45	0	0	0	0	15.22	1.99	6.509
J2034	0.03	0.38	1369.6	4/13/2017 11:55	0.38	49.97	49.97	0.584	0.584	-0.493	0	0	24.62	0	0	0	0	7.39	1.043	6.762
J2036	0.1	1.18	1352.06	4/13/2017 11:59	1.18	0	358.59	0	4.48	-0.345	0	0	38.82	0	0	0	0	58.76	7.319	6.103
J2043	0.07	0.82	1333.96	4/13/2017 11:55	0.82	55.12	55.12	0.817	0.817	-0.022	0	0	23.18	0	0	0	0	7.51	1.281	7.34
J2045	0.44	2.09	1305.17	4/13/2017 12:00	2.09	71	556.92	0.845	20.5	-0.124	0	0	35.91	0	0	0	0	204.41	17.113	2.725
J2047	0	0.11	1322.61	4/13/2017 0:00	0.1	0	0	0	0	-99.957	0	0	34.89	0	0	0	0	0	0	0
J2050	0.04	0.49	1347.53	4/13/2017 11:55	0.48	94.19	94.19	1.35	1.35	-0.029	0	0	19.51	0	0	0	0	12.58	2.988	7.487
J2053	0.1	0.69	1347.73	4/13/2017 12:07	0.69	0	40.86	0	0.967	0.006	0	0	16.31	0	0	0	0	15.54	1.258	2.629
J2058	0.03	0.39	1342.51	4/13/2017 12:00	0.39	48.9	48.9	0.836	0.836	-0.017	0	0	17.61	0	0	0	0	8.6	0.676	5.686
J2060	0.07	0.61	1353.74	4/13/2017 12:00	0.61	45.33	45.33	0.602	0.602	-2.544	0	0	12.39	0	0	0	0	10.23	0.704	4.431
J2071	0.16	1.28	1333.14	4/13/2017 12:01	1.28	29.95	329.21	0.46	6.93	-0.141	0	0	28.72	0	0	0	0	67.53	11.548	4.875
J2076	0.07	0.69	1348.92	4/13/2017 12:00	0.69	60.17	133.9	0.958	2.34	-2.409	0	0	18.31	0	0	0	0	24.03	1.928	5.572
J2078	0.14	1.33	1361.33	4/13/2017 11:58	1.33	0	305.76	0	3.88	-0.086	0	0	22.67	0	0	0	0	50.69	6.821	6.032
J2080	0.05	0.72	1369.06	4/13/2017 11:58	0.72	0	305.76	0	3.88	-0.021	0	0	22.28	0	0	0	0	50.69	6.821	6.032
J2087	0.04	0.66	1383.17	4/13/2017 11:57	0.66	63.29	143.83	0.75	1.7	-0.367	0	0	18.34	0	0	0	0	22.85	2.809	6.295
J2089	0.07	2.53	1363.5	4/13/2017 12:08	2.49	70.94	113.5	1.03	1.09	-0.317	0	0	20.47	0	0	0	0	11.39	0.027	9.965
J2094	0.13	1.36	1341.36	4/13/2017 12:06	1.34	46.94	291.04	0.716	4.2	-0.154	0	0	26.64	0	0	0	0	42.83	7.169	6.795
J2096	0.07	0.96	1379.96	4/13/2017 11:55	0.96	21.5	155.33	0.331	1.77	-0.295	0	0	35.04	0	0	0	0	23.72	3.128	6.548
J2098	0.12	2.31	1363.46	4/13/2017 12:10	2.31	60.48	490.47	0.863	7.21	-0.271	0	0	19.69	0	0	0	0	74.84	7.158	6.554
J21	0.85	1.97	1278.32	4/13/2017 13:37	1.97	12.19	60.85	0.134	7.33	-0.46	0	0	28.03	0	0	0	0	90.66	5.859	0.671
J2101	0.11	0.75	1365.84	4/13/2017 12:00	0.75	76.65	76.65	1.38	1.38	-0.07	0	0	17.25	0	0	0	0	14.65	0.844	5.232
J2103	0.04	0.55	1388.55	4/13/2017 11:55	0.55	46.8	134.68	0.519	1.44	-0.139	0	0	21.45	0	0	0	0	20.27	2.205	6.644
J2110	0.03	0.53	1392.95	4/13/2017 11:55	0.53	0	88.63	0	0.917	-0.109	0	0	21.47	0	0	0	0	12.68	1.462	6.99
J2112	0.26	1.18	1330.91	4/13/2017 12:00	1.18	78.14	158.95	1.1	6.61	-0.18	0	0	19.82	0	0	0	0	66.59	4.628	2.387
J2114	0.04	0.45	1359.04	4/13/2017 12:00	0.45	41.88	41.88	0.681	0.681	-0.702	0	0	23.55	0	0	0	0	6.88	0.612	6.087
J2116	0.05	0.48	1398.62	4/13/2017 11:55	0.48	82.05	82.05	0.952	0.952	-0.151	0	0	15.52	0	0	0	0	13.76	1.45	5.963
J2121	0.24	1.19	1366.19	4/13/2017 11:59	1.19	26.93	431.63	0.394	6.34	-0.237	0	0	25.81	0	0	0	0	65.76	6.774	6.564
J2123	0.05	0.61	1346.61	4/13/2017 11:55	0.61	21.33	21.33	0.29	0.29	-0.405	0	0	26.39	0	0	0	0	2.87	0.718	7.432
J2125	0.06	0.91	1375.91	4/13/2017 12:00	0.91	53.17	292.45	0.679	4.12	-0.266	0	0	25.09	0	0	0	0	44.8	0.383	6.528
J2131	0.06	0.9	1332.47	4/13/2017 11:55	0.9	0	82.15	0	1.27	-0.056	0	0	24.1	0	0	0	0	12.95	0.935	6.344
J2134	0.05	0.78	1378.58	4/13/2017 12:00	0.78	24.06	242.64	0.353	3.44	-0.243	0	0	25.22	0	0	0	0	37.53	0.235	6.465
J2136	0.03	0.38	1405.12	4/13/2017 11:55	0.38	67.18	67.18	0.672	0.672	-0.072	0	0	17.62	0	0	0	0	9.63	0.915	6.976
J2140	0.04	0.43	1395.8	4/13/2017 11:55	0.43	22.09	88.91	0.244	0.916	-0.131	0	0	17.57	0	0	0	0	12.68	1.462	7.012
J2153	0.04	0.7	1388.71	4/13/2017 11:59	0.7	20.87	218.68	0.299	3.08	-0.184	0	0	25.3	0	0	0	0	33.64	0.205	6.501
J2158	0.17	0.65	1340.5	4/13/2017 12:03	0.65	24.39	256.42	0.361	6.48	-0.377	0	0	16.35	0	0	0	0	64.57	6.26	3.971
J2160	3.04	3.28	1345.28	4/13/2017 12:11	3.28	45.08	129.15	0.824	5.49	-0.107	0	0	14.72	0	0	0	0	55.08	4.06	2.345
J2162	0.09	1.01	1390.07	4/13/2017 11:57	1.01	48.5	198.02	0.69	2.77	-0.261	0	0	24.99	0	0	0	0	30.33	0.2	6.529
J2170	0.37	2.35	1369.29	4/13/2017 12:09	2.35	71.45	71.45	1.11	1.11	-0.187	0	0	6.65	0	0	0	0	11.35	0.809	6.295
J2174	0.28	3.85	1347.85	4/13/2017 12:05	3.85	16.27	252.97	0.261	6.11	-0.077	0	0	12.15	0	0	0	0	61.04	5.874	4.144
J2176	0.05	0.62	1378.63	4/13/2017 11:57	0.62	0	200.06	0	2.68	-0.257	0	0	19.38	0	0	0	0	29.05	2.632	6.887
J2183	0.13	0.76	1384.77	4/13/2017 11:55	0.76	72.97	200.17	0.892	2.68	-0.157	0	0	20.24	0	0	0	0	29.05	2.632	6.891
J2185	0.13	2.85	1347.85	4/13/2017 12:04	2.85	70.73	339.11	1.13	5.85	-0.109	0	0	19.15	0	0	0	0	58.47	5.596	5.8
J2197	0.07	0.81	1391.53	4/13/2017 11:56	0.81	47.29	132.42	0.537	1.78	-0.077	0	0	20.19	0	0	0	0	19.27	1.861	6.872
J22	0.23	1.59	1274.48	4/13/2017 13:42	1.59	0	166.22	0	7.69	0.082	0	0	13.41	0	0	0	0	90.66	5.859	1.833
J2205	0.07	0.45	1366.71	4/13/2017 12:03	0.45	0	55.95	0	0.932	0.279	0	0	11.55	0	0	0	0	9.61	0.626	5.822
J2207	0.04	0.53	1383.55	4/13/2017 11:57	0.53	35.47	145.8	0.518	2.15	-0.323	0	0	21.47	0	0	0	0	21.52	3.217	6.775
J2214	0.1	0.71	1356.22	4/13/2017 11:57	0.71	35.15	272.13	0.558	4.68	-0.731	0	0	21.29	0	0	0	0	47.05	4.597	5.784

Junctions SWMM 25-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2216	0.05	0.51	1368.45	4/13/2017 11:59	0.51	55.16	55.16	0.921	0.921	-1.075	0	0	10.49	0	0	0	0	9.61	0.626	5.74
J2218	0.1	0.82	1388.33	4/13/2017 11:55	0.82	0	111.52	0	1.62	-0.266	0	0	28.18	0	0	0	0	15.96	2.793	6.987
J2220	0.06	1.28	1399.45	4/13/2017 11:57	1.28	64.97	151.33	0.846	2.08	-0.142	0	0	21.72	0	0	0	0	22.69	0.197	6.669
J2223	0.11	0.73	1358.35	4/13/2017 12:00	0.73	43.87	91.69	0.673	1.6	-1.195	0	0	16.27	0	0	0	0	16.78	0.9	5.464
J2227	0.06	0.75	1360.35	4/13/2017 11:55	0.75	74.14	238.77	0.968	4.12	-0.074	0	0	20.25	0	0	0	0	41.11	4.341	5.808
J2229	0.09	0.76	1395.21	4/13/2017 11:55	0.76	0	112.87	0	1.62	-0.2	0	0	31.24	0	0	0	0	15.96	2.793	7.072
J2235	0.12	0.87	1361.87	4/13/2017 11:56	0.87	0	168.44	0	3.15	-0.119	0	0	20.13	0	0	0	0	31.55	3.457	5.339
J2237	0.31	4.32	1386.93	4/13/2017 11:55	4.32	71.16	71.16	0.902	0.902	-0.009	0	0	6.68	0	0	0	0	9.01	1.501	7.898
J2243	0.09	0.49	1400.27	4/13/2017 11:55	0.48	86.69	86.69	1.25	1.25	-0.056	0	0	14.51	0	0	0	0	13.07	1.708	6.633
J2246	0.1	0.68	1365.69	4/13/2017 11:55	0.68	32.78	168.8	0.389	3.14	-0.125	0	0	25.32	0	0	0	0	31.55	3.457	5.35
J2250	0.05	0.58	1400.39	4/13/2017 11:55	0.58	113.64	113.64	1.62	1.62	-0.031	0	0	31.42	0	0	0	0	15.96	2.793	7.12
J2252	0.05	0.66	1401.85	4/13/2017 11:55	0.66	86.73	86.73	1.23	1.23	-0.05	0	0	18.34	0	0	0	0	13.47	0.139	6.439
J2269	0.03	0.36	1372.01	4/13/2017 12:00	0.36	45.26	45.26	0.714	0.714	-0.511	0	0	21.64	0	0	0	0	7.23	0.606	6.26
J2272	0.04	0.46	1357.03	4/13/2017 12:00	0.46	21.65	66.64	0.342	1.06	-1.738	0	0	21.54	0	0	0	0	10.66	0.917	6.251
J2274	0.07	0.75	1368.82	4/13/2017 12:00	0.75	27.7	138.65	0.392	2.75	-0.098	0	0	25.25	0	0	0	0	27.67	3.165	5.011
J2290	0.07	0.54	1372.54	4/13/2017 12:00	0.54	79.18	113.27	1.19	2.36	-0.182	0	0	23.46	0	0	0	0	23.89	2.712	4.741
J23	0.55	3.61	1294.61	4/13/2017 12:27	3.61	33.07	129.66	0.477	5.06	-0.101	0	0	15.39	0	0	0	0	51.58	3.371	2.514
J24	0.11	0.82	1302.67	4/13/2017 11:57	0.82	31.65	246.28	0.419	3.5	-0.061	0	0	12.18	0	0	0	0	45.45	7.996	5.419
J25	0.18	0.87	1289.21	4/13/2017 12:20	0.87	0	281.92	0	6.11	-1.253	0	0	29.13	0	0	0	0	96.94	3.681	2.908
J26	1.63	3.64	1306.32	4/13/2017 13:06	3.64	0	440.52	0	35.8	5.482	0	0	6.36	0	0	0	0	1333.52	27.051	0.33
J2692	1.8	4.15	1341.32	4/13/2017 12:04	4.15	57.24	379.51	0.777	5.67	-0.434	0	0	28.85	0	0	0	0	56.42	9.439	6.727
J2693	0.04	0.56	1323.12	4/13/2017 12:04	0.56	0	217.02	0	3.69	-1.415	0	0	11.44	0	0	0	0	44.22	0.646	4.908
J2694	0.21	2.87	1296.87	4/13/2017 12:01	2.87	24.46	164.57	0.309	2.57	0.226	0	0	17.13	0	0	0	0	24.44	3.427	6.734
J2696	0.12	0.95	1324.95	4/13/2017 12:00	0.95	46.85	201.46	0.554	3.11	-0.271	0	0	27.05	0	0	0	0	30.41	3.152	6.625
J2698	0.08	0.75	1287.75	4/13/2017 12:03	0.75	0	122.67	0	2.04	-0.299	0	0	10.25	0	0	0	0	22.11	1.432	5.548
J2699	0.12	1.09	1273.09	4/13/2017 12:00	1.09	85.9	85.9	1.32	1.32	-0.418	0	0	22.91	0	0	0	0	13.23	1.247	6.493
J27	0.1	0.73	1307.7	4/13/2017 11:55	0.73	40.74	184.28	0.545	2.56	-0.055	0	0	12.27	0	0	0	0	32.26	6.458	5.712
J2705	0.26	1.67	1314.16	4/13/2017 12:01	1.67	25.83	472.19	0.372	9.9	-0.022	0	0	23.33	0	0	0	0	94.13	18.052	5.016
J2706	4.96	14.06	1276.36	4/13/2017 15:57	14.06	20.25	15678.02	0.144	1820	0.016	0	0	27.94	0	0	0	0	541.36	40.84	28.96
J2707	0.48	2.05	1270.45	4/13/2017 12:25	2.05	36.3	852.51	0.316	59.5	-0.007	0	0	25.95	0	0	0	0	1656.15	37.249	0.515
J2712	2.81	8.89	1270.89	4/13/2017 13:44	8.89	0	6173.15	0	523	0.001	0	0	24.11	0	0	0	0	757.82	32.815	8.146
J2714	0.07	0.58	1305.88	4/13/2017 12:04	0.58	0	50.63	0	1.75	-0.644	0	0	12.42	0	0	0	0	21.38	1.725	2.368
J2718	0.12	0.96	1294.96	4/13/2017 12:04	0.96	0	163.27	0	3.58	-0.66	0	0	13.04	0	0	0	0	43.7	2.65	3.736
J2720	0.11	0.67	1309.67	4/13/2017 12:02	0.67	0	113.06	0	2.02	-0.213	0	0	11.33	0	0	0	0	26.79	4.098	4.22
J2722	2.2	3.32	1278.32	4/13/2017 13:39	3.32	29.11	168.15	0.312	7.09	-1.413	0	0	26.68	0	0	0	0	88.12	5.594	1.908
J2723	0.26	1.02	1282.02	4/13/2017 12:15	1.02	38.39	97.1	0.313	1.08	-5.114	0	0	20.98	0	0	0	0	25.3	1.137	3.838
J2724	0.68	2.41	1295.41	4/13/2017 13:21	2.41	45.84	432.03	0.719	34	0.434	0	0	17.59	0	0	0	0	1355.07	28.491	0.319
J2726	0.06	0.31	1262.65	4/13/2017 12:08	0.31	12.46	34.66	0.103	0.776	-1.488	0	0	11.69	0	0	0	0	24.45	2.144	1.418
J2729	0.86	1.1	1345.28	4/13/2017 12:11	1.1	26.37	108.73	0.365	4.66	-0.159	0	0	16.9	0	0	0	0	46.97	3.062	2.315
J2732	3.74	12.98	1272.98	4/13/2017 15:48	12.98	59.01	15714.29	0.464	1820	0.033	0	0	15.02	0	0	0	0	564.77	43.358	27.824
J2734	0.22	1.12	1307.77	4/13/2017 12:03	1.12	0	304.61	0	9.39	0.167	0	0	10.88	0	0	0	0	142.79	5.198	2.133
J2736	0.08	0.76	1326.76	4/13/2017 12:00	0.76	41.06	148.45	0.502	2.22	-1.184	0	0	18.24	0	0	0	0	29.05	0	5.11
J2737	0.09	0.57	1344.57	4/13/2017 11:55	0.57	68.78	84.61	0.764	1.73	-0.135	0	0	107.43	0	0	0	0	24.67	2.91	3.43
J2739	0.09	1.31	1292.69	4/13/2017 12:03	1.31	34.85	147.61	0.65	2.92	-0.38	0	0	16.69	0	0	0	0	32.17	0.809	4.588
J2740	0.12	0.9	1275.66	4/13/2017 12:01	0.9	78.74	139.9	1.34	2.28	-6.866	0	0	11.1	0	0	0	0	25.68	0.026	5.448
J2746	0.07	0.7	1342.7	4/13/2017 11:59	0.7	0	141.13	0	1.7	-0.754	0	0	28.3	0	0	0	0	23.57	3.483	5.988
J2748	0.04	0.34	1306.88	4/13/2017 12:03	0.34	7.39	62.76	0.073	0.748	-6.657	0	0	15.66	0	0	0	0	16.68	0.004	3.763
J2750	0.12	1.09	1288.17	4/13/2017 12:00	1.08	30.23	227.8	0.275	3.46	-0.57	0	0	18.91	0	0	0	0	41.92	5.06	5.434
J2751	0.81	1.85	1290.74	4/13/2017 13:10	1.85	51.23	84.26	0.843	1.55	2.936	0	0	6.15	0	0	0	0	15.82	0.944	5.326
J2753	0.08	1.02	1322.07	4/13/2017 11:55	1.02	47.34	183.25	0.615	2.7	-0.624	0	0	23.98	0	0	0	0	26.27	2.992	6.976
J2754	0.07	1.11	1289.11	4/13/2017 12:01	1.09	0	189.36	0	2.57	-0.241	0	0	24.89	0	0	0	0	30.75	3.806	6.158
J2756	1.79	6.47	1285.47	4/13/2017 13:36	6.47	0	6115.01	0	512	0.001	0	0	10.53	0	0	0	0	606.91	24.663	10.076
J2772	0.88	2.53	1306.32	4/13/2017 13:05	2.53	0	124.6	0	2.66	12.611	0	0	10.47	0	0	0	0	23.96	0.004	5.2
J2774	0.14	1.04	1287.04	4/13/2017 12:00	1.04	53.86	442.68	0.679	6.19	-0.196	0	0	21.96	0	0	0	0	79.29	13.518	5.583
J2776	0.12	1.46	1357.46	4/13/2017 11:58	1.46	57.13	358.53	0.592	4.48	-0.1	0	0	38.54	0	0	0	0	58.76	7.319	6.102
J2778	0.31	1.48	1299.48	4/13/2017 12:05	1.48	0	130.36	0	5.04	-1.658	0	0	14.52	0	0	0	0	58.73	6.107	2.22
J2779	0.24	1.96	1286.41	4/13/2017 12:02	1.96	22.2	655.9	0.283	13.4	-0.165	0	0	23.04	0	0	0	0	125.32	24.382	5.234
J2781	4.99	15.47	1282.47	4/13/2017 15:56	15.47	30.16	15685.54	0.212	1800	0.062	0	0	11.53	0	0	0	0	238.05	14.105	65.892

Junctions SWMM 25-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2789	2.77	13.12	1284.14	4/13/2017 14:35	13.12	24.92	312.83	0.282	12.4	-0.105	0	0	37.88	0	0	0	0	89.65	5.747	3.489
J2790	7.47	19.43	1282.43	4/13/2017 14:36	19.43	46.85	32106.99	0.531	3530	0.058	0	0	35.57	0	0	0	0	570.08	31.912	56.32
J2793	2.35	8.35	1297.37	4/13/2017 13:31	8.35	30.89	6113.21	0.24	509	-0.005	0	0	43.65	0	0	0	0	537.16	23.499	11.381
J2795	0.51	2.02	1294.11	4/13/2017 12:01	2.02	32.84	330.84	0.37	11.7	-0.662	0	0	13.98	0	0	0	0	133.47	8.332	2.479
J2796	0.12	0.61	1292.25	4/13/2017 12:14	0.61	0	155.26	0	3.25	-0.209	0	0	10.39	0	0	0	0	40.39	2.452	3.844
J2797	0.04	0.54	1289.32	4/13/2017 12:04	0.54	15.03	122.84	0.146	2.41	-0.421	0	0	11.46	0	0	0	0	44.15	0.59	2.782
J2798	0.09	0.82	1303.23	4/13/2017 12:00	0.81	43.5	107.55	0.531	3.59	-0.083	0	0	24.18	0	0	0	0	36	2.727	2.988
J28	0.22	1.6	1323.6	4/13/2017 12:20	1.6	0	201.78	0	3.23	-0.137	0	0	11.4	0	0	0	0	33.66	1.659	5.995
J2802	0.1	0.92	1358.89	4/13/2017 12:08	0.92	23.73	290.43	0.385	8.67	-0.051	0	0	23.08	0	0	0	0	89.02	8.429	3.263
J2803	0.07	0.63	1339.12	4/13/2017 11:55	0.63	36.68	82.41	0.429	1.26	-0.08	0	0	17.37	0	0	0	0	12.95	0.935	6.364
J2807	0.43	2.67	1350.8	4/13/2017 12:11	2.67	35.25	186.69	0.429	3.13	0.559	0	0	14.33	0	0	0	0	32.1	1.839	5.816
J2812	0.03	0.23	1292.77	4/13/2017 11:55	0.23	11.45	11.45	0.2	0.2	-1.068	0	0	13.77	0	0	0	0	2.24	0.032	5.112
J2817	0.45	3.87	1318.87	4/13/2017 12:14	3.87	0	430.45	0	16.2	0.011	0	0	15.13	0	0	0	0	373.68	13.843	1.152
J2820	0.84	2.79	1306.79	4/13/2017 13:02	2.79	35.61	388.36	0.701	12.4	3.636	0	0	8.21	0	0	0	0	174.65	6.391	2.224
J2823	0.09	0.64	1310.64	4/13/2017 11:55	0.64	55.09	146.68	0.777	2.01	-0.096	0	0	12.36	0	0	0	0	25.44	5.286	5.766
J2829	0.46	4.6	1303.6	4/13/2017 12:16	4.6	42.04	164.06	0.68	6.07	-0.089	0	0	22.4	0	0	0	0	79.83	8.432	2.055
J2831	0.22	1.29	1290.29	4/13/2017 12:05	1.29	0	337.61	0	12.3	-0.31	0	0	15.71	0	0	0	0	140.69	9.875	2.4
J2835	0.07	0.63	1276.72	4/13/2017 12:00	0.63	16.8	154.27	0.23	2.63	-0.275	0	0	13.37	0	0	0	0	38.77	3.874	3.979
J2842	1.8	6.61	1302.61	4/13/2017 13:31	6.61	23.37	5829.94	0.222	481	0.001	0	0	19.39	0	0	0	0	42.5	1.316	137.175
J2846	6.33	18.79	1261.04	4/13/2017 15:19	18.78	49.38	44082.96	0.786	5390	0.064	0	0	32.21	0	0	0	0	2232.33	191.465	19.748
J2851	0.13	1.58	1300.58	4/13/2017 12:00	1.58	108.43	457.62	1.57	7	-0.08	0	0	19.42	0	0	0	0	69.44	6.079	6.59
J2857	0.24	1.22	1307.47	4/13/2017 12:04	1.22	61.72	355.77	1.11	11.2	-0.159	0	0	10.78	0	0	0	0	163.2	6.011	2.18
J2860	0.1	1.28	1281.06	4/13/2017 12:04	1.28	42.39	541.35	0.557	10.8	-0.032	0	0	23.72	0	0	0	0	106.73	9.461	5.072
J2861	0.12	0.85	1312.37	4/13/2017 12:00	0.85	250.4	250.4	8.14	8.14	-0.107	0	0	11.15	0	0	0	0	128.98	5.198	1.941
J2864	4.87	15.2	1266.19	4/13/2017 15:14	15.19	104.5	43907.12	1.52	5320	0.03	0	0	50.8	0	0	0	0	1433.62	99.695	30.627
J2869	5.28	16.73	1271.58	4/13/2017 14:59	16.73	6.75	32005.9	0.075	3530	0.033	0	0	101.27	0	0	0	0	676.02	38.467	47.345
J2870	0.26	1	1302.01	4/13/2017 13:07	1	0	425.26	0	32.1	0.018	0	0	10	0	0	0	0	1333.52	27.051	0.319
J2878	0.11	0.97	1368.97	4/13/2017 11:58	0.97	71.48	409.04	1.07	5.91	-0.488	0	0	26.03	0	0	0	0	61.37	6.774	6.665
J2882	0.82	2.37	1287.59	4/13/2017 12:06	2.37	48.92	481.6	0.662	42.7	0.054	0	0	17.63	0	0	0	0	1456.34	32.095	0.331
J2885	0.09	0.89	1280.29	4/13/2017 12:00	0.89	31.81	243.41	0.46	4.53	-0.166	0	0	24.11	0	0	0	0	50.35	6.582	4.834
J2886	0.3	1.89	1304.89	4/13/2017 12:02	1.89	78.79	511.61	1.06	23.6	-0.16	0	0	23.11	0	0	0	0	448.01	19.458	1.142
J2887	4.11	14.65	1275.15	4/13/2017 14:45	14.65	0	32082.12	0	3530	0.025	0	0	14.35	0	0	0	0	634.58	37.727	50.556
J2891	0.53	3.69	1296.87	4/13/2017 12:00	3.69	0	770.15	0	24.7	-0.062	0	0	13.31	0	0	0	0	243.55	22.026	3.162
J2893	4.03	13.59	1288.34	4/13/2017 14:31	13.59	0	32126.3	0	3520	0.023	0	0	21.41	0	0	0	0	295.37	12.261	108.766
J2894	0.36	1.59	1307.72	4/13/2017 12:01	1.59	0	503.41	0	19.7	-0.071	0	0	34.41	0	0	0	0	195.8	16.616	2.571
J2898	0.11	0.98	1255.01	4/13/2017 12:05	0.98	19.61	267.5	0.195	5.72	-0.541	0	0	31.02	0	0	0	0	171.23	11.847	1.562
J2899	2.18	8	1292.12	4/13/2017 13:33	8	32.62	6117.47	0.316	510	0.036	0	0	44	0	0	0	0	561.59	23.502	10.893
J2900	0.03	0.38	1261.38	4/13/2017 12:09	0.38	22.48	95.64	0.248	1.8	-0.203	0	0	13.62	0	0	0	0	55.65	3.587	1.719
J2901	0.17	0.89	1302.89	4/13/2017 12:05	0.89	7.4	50.76	0.087	1.85	-0.51	0	0	12.11	0	0	0	0	22.65	1.858	2.241
J2902	0.66	2.33	1265.18	4/13/2017 12:30	2.33	67.77	1230.3	0.873	79	-0.12	0	0	22.67	0	0	0	0	1907.07	47.333	0.645
J2905	0.1	1.05	1286.05	4/13/2017 12:05	1.05	25.11	270.5	0.282	7.33	-0.338	0	0	25.95	0	0	0	0	75.2	4.602	3.597
J2907	0.07	0.45	1284.45	4/13/2017 12:00	0.45	26.15	26.15	0.462	0.462	-0.805	0	0	10.55	0	0	0	0	108.49	6.603	0.241
J2913	5.33	16.65	1292.15	4/13/2017 14:30	16.65	77.95	32133.11	0.73	3520	0.033	0	0	30.35	0	0	0	0	263.32	9.948	122.031
J2915	3.54	10.52	1265.52	4/13/2017 13:53	10.52	0	6115.42	0	525	-0.007	0	0	19.48	0	0	0	0	802.92	36.077	7.616
J2917	0.15	1.11	1301.41	4/13/2017 12:02	1.11	0	223.72	0	10	-0.018	0	0	15.89	0	0	0	0	109.68	5.121	2.04
J2919	0.74	3.47	1275.47	4/13/2017 12:19	3.47	83.39	746.59	1.16	53.5	0.019	0	0	27.53	0	0	0	0	1582.22	34.77	0.472
J2923	7.29	19.58	1262.58	4/13/2017 15:17	19.57	55.01	45271.39	0.767	5390	0.04	0	0	31.42	0	0	0	0	2181.01	185.82	20.757
J2924	1.91	9.41	1287.41	4/13/2017 15:51	9.41	13.98	334.17	0.087	11.7	0.52	0	0	11.59	0	0	0	0	147.44	11.763	2.266
J2934	0.7	3.06	1280.56	4/13/2017 12:11	3.06	25.16	444.01	0.242	18.1	-0.383	0	0	45.94	0	0	0	0	221.24	22.866	2.007
J2936	4.68	14.87	1289.87	4/13/2017 14:31	14.87	24.53	32125.13	0.264	3520	0.014	0	0	31.13	0	0	0	0	266.17	9.951	120.694
J2937	5.34	17.39	1272.49	4/13/2017 15:46	17.39	28.06	15349.31	0.308	1780	0.01	0	0	14.61	0	0	0	0	635.39	50.168	24.157
J2942	0.58	2.41	1279.41	4/13/2017 12:11	2.41	0	435.31	0	18.2	-0.115	0	0	36.59	0	0	0	0	221.24	22.866	1.968
J2945	5.87	17.35	1257.35	4/13/2017 15:21	17.35	0	40799.53	0	5300	0.026	0	0	17.65	0	0	0	0	2544.34	227.774	16.035
J2949	6.82	19.72	1254.72	4/13/2017 15:24	19.72	0.36	46995.97	0.007	5950	0.013	0.81	0.198	9.282	0	0	0	0	3582.93	274.53	13.117
J2952	0.34	1.03	1303.03	4/13/2017 13:06	1.03	0	425.26	0	32.1	0.005	0	0	9.97	0	0	0	0	1333.52	27.051	0.319
J2954	1.34	4.2	1280.58	4/13/2017 12:16	4.2	67.03	649.79	0.88	48.8	0.141	0	0	22.8	0	0	0	0	1527.47	32.968	0.425
J2956	4.16	13.69	1288.19	4/13/2017 14:31	13.69	0	32154.62	0	3530	0.045	0	0	30.31	0	0	0	0	396.01	21.079	81.196
J2959	0.34	2.95	1274.59	4/13/2017 12:07	2.95	30.86	1941.17	0.371	53.3	-0.017	0	0	25.05	0	0	0	0	516.37	59.748	3.759

Junctions SWMM 25-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2960	2.2	8.25	1257.18	4/13/2017 15:16	8.25	0.02	6113.21	0	528	0.014	0	0	17.75	0	0	0	0	890.28	40.185	6.867
J2962	0.94	3.19	1279.19	4/13/2017 15:58	3.19	0	496.21	0	22.5	-1.648	0	0	38.81	0	0	0	0	261.26	24.142	1.899
J2963	3.89	13.06	1257.06	4/13/2017 15:24	13.06	9.07	6441.19	0.189	634	-0.219	0	0	17.94	0	0	0	0	3151.85	232.619	2.044
J2965	5.72	17.72	1282.52	4/13/2017 14:36	17.72	45.16	32109.36	0.595	3530	0.02	0	0	44.28	0	0	0	0	562.76	31.826	57.057
J2966	0.08	0.51	1286.51	4/13/2017 12:24	0.51	37.48	194.63	0.761	8.12	-0.056	0	0	9.49	0	0	0	0	118.01	4.376	1.649
J2967	2.89	10.47	1274.42	4/13/2017 13:43	10.47	0	6246.52	0	522	-0.003	0	0	10.53	0	0	0	0	733.72	31.25	8.513
J2968	5.6	16.37	1287.41	4/13/2017 15:50	16.36	28.76	15707.09	0.307	1810	0.029	0	0	17.63	0	0	0	0	199.02	12.688	78.922
J2971	5.04	16.12	1258.62	4/13/2017 15:19	16.12	126.19	41651.91	1.65	5310	0.061	0	0	30.88	0	0	0	0	2385.35	211.463	17.462
J2972	4.7	15.28	1290.53	4/13/2017 14:30	15.28	0	32126.89	0	3520	0.018	0	0	31.72	0	0	0	0	263.32	9.948	122.007
J2973	3.92	13.72	1289.72	4/13/2017 15:47	13.72	20.39	15752.48	0.203	1800	0.013	0	0	22.28	0	0	0	0	83.18	0.991	189.378
J2976	0.86	4.39	1276.39	4/13/2017 12:06	4.39	0	1446.54	0	41.8	-0.164	0	0	23.61	0	0	0	0	402.44	50.036	3.594
J2977	1.06	3.76	1274.76	4/13/2017 12:23	3.76	0	865.64	0	57.6	0.014	0	0	22.24	0	0	0	0	1631.31	37.221	0.531
J2978	5.92	16.73	1257.82	4/13/2017 15:20	16.73	0.49	41645.97	0.006	5320	0.037	0	0	20.27	0	0	0	0	2501.97	223.678	16.645
J2982	0.47	1.86	1288.86	4/13/2017 13:25	1.86	46.91	434.04	0.57	38.4	0.075	0	0	14.14	0	0	0	0	1404.98	29.446	0.309
J2984	5.68	14.87	1277.39	4/13/2017 15:57	14.87	0	15674.9	0	1820	0.006	0	0	27.13	0	0	0	0	520.27	38.604	30.128
J2989	2.16	8.26	1297.88	4/13/2017 13:30	8.26	50.2	6109.76	0.445	506	0.009	0	0	41.74	0	0	0	0	508.79	21.167	12.008
J2990	0.57	2.17	1266.17	4/13/2017 12:28	2.17	80.39	1157.5	1.12	74.8	-0.039	0	0	22.83	0	0	0	0	1856.22	45.633	0.624
J2991	5.14	15.82	1265.82	4/13/2017 15:14	15.61	18.5	45443.89	0.212	5320	0.025	0	0	50.18	0	0	0	0	1440.67	100.39	31.544
J2994	6.91	19.75	1254.55	4/13/2017 15:24	19.75	0.07	46985.91	0.002	5950	0.011	0	0	21.25	0	0	0	0	3588.22	274.537	13.094
J2995	0.25	2.2	1320.28	4/13/2017 12:20	2.2	67.42	469.84	0.967	14.1	-0.427	0	0	22.8	0	0	0	0	141.25	11.396	3.326
J29951	0.3	1.88	1308.88	4/13/2017 12:00	1.88	0	505.57	0	19.7	-0.05	0	0	20.12	0	0	0	0	195.8	16.616	2.582
J2996	0.24	1.46	1314.25	4/13/2017 12:21	1.46	0	394.78	0	16.9	-0.009	0	0	20.54	0	0	0	0	169.53	13.624	2.329
J2997	0.41	4.52	1320.18	4/13/2017 12:21	4.52	29.68	586.83	0.418	17	0.092	0	0	20.48	0	0	0	0	169.53	13.624	3.462
J2999	6.26	19.33	1255.33	4/13/2017 15:23	19.33	5.88	47178.59	0.052	5950	0.055	0	0	9.67	0	0	0	0	3578.82	274.491	13.183
J3	0.72	4.65	1385.15	4/13/2017 12:00	4.65	85.59	85.59	1.16	1.16	0.011	0	0	9.35	0	0	0	0	12.26	1.413	6.981
J30	3.48	12.04	1275.04	4/13/2017 15:56	12.04	15.84	15717.04	0.133	1820	0.015	0	0	18.96	0	0	0	0	547.74	41.433	28.694
J3001	7.86	20.57	1256.82	4/13/2017 15:21	20.57	61.24	47198.39	0.729	5950	0.037	0	0	31.43	0	0	0	0	3503.62	270.129	13.471
J3002	5.63	17.06	1251.96	4/13/2017 15:27	17.06	0.31	46952.13	0.006	5950	0.05	0	0	21.94	0	0	0	0	3874.93	293.395	12.117
J3003	2.19	7.2	1257.2	4/13/2017 15:16	7.2	0	6113.32	0	526	0.002	0	0	27.8	0	0	0	0	821.84	36.593	7.439
J3004	4.74	13.01	1266.95	4/13/2017 13:53	13.01	58.87	6163.7	0.565	527	0.037	0	0	20.99	0	0	0	0	802.92	36.077	7.677
J3006	3.96	14.28	1278.32	4/13/2017 13:42	14.28	0	6109.02	0	514	0.001	0	0	7.72	0	0	0	0	643.06	25.39	9.5
J3007	3.52	10.88	1307.08	4/13/2017 13:30	10.88	22.9	5829.84	0.277	481	0.004	0	0	9.12	0	0	0	0	38.45	1.048	151.621
J3018	0.79	4.52	1309.52	4/13/2017 11:59	4.5	24.08	638.67	0.42	9.41	-0.108	0	0	12.48	0	0	0	0	116.75	17.391	5.47
J3019	0.12	0.92	1306.39	4/13/2017 12:00	0.91	29.5	685.29	0.494	9.91	-0.056	0	0	16.08	0	0	0	0	120.91	18.56	5.668
J3020	0.17	2.46	1341.26	4/13/2017 12:03	2.45	47.47	339.23	0.764	6.46	-0.149	0	0	30.54	0	0	0	0	63.56	10.581	5.337
J3022	6.24	17.83	1268.83	4/13/2017 15:16	17.83	0	43544.63	0	5320	0.033	0	0	9.17	0	0	0	0	1392.7	96.443	31.266
J3023	5.72	17.63	1272.63	4/13/2017 15:46	17.62	25.4	16557.46	0.187	1820	0.03	0	0	14.37	0	0	0	0	629.35	49.581	26.309
J3024	5.54	15.2	1279.19	4/13/2017 15:58	15.2	23.56	15674.63	0.156	1830	0.035	0	0	23.8	0	0	0	0	520.27	38.604	30.128
J3025	5.94	17.89	1272.89	4/13/2017 14:49	17.89	80.55	32045.79	0.688	3540	0.111	0	0	12.11	0	0	0	0	674.15	38.21	47.535
J3026	9.7	22.15	1284.14	4/13/2017 14:35	22.15	43.89	32118.25	0.425	3540	0.054	0	0	39.85	0	0	0	0	552.76	30.156	58.105
J3027	2.86	13.14	1284.14	4/13/2017 14:35	13.14	0	334.59	0	9.32	-0.105	0	0	13.86	0	0	0	0	86.64	5.604	3.862
J3044	4.74	12.23	1307.23	4/13/2017 13:30	12.23	21.96	5826.91	0.284	480	0.021	0	0	12.77	0	0	0	0	27.61	0.406	211.043
J3049	6.13	18.19	1269.69	4/13/2017 15:05	18.19	0	31022.36	0	3490	0.048	0	0	8.81	0	0	0	0	676.02	38.467	45.89
J31	5.27	17.13	1273.13	4/13/2017 15:41	17.12	39.74	24649.15	0.502	1820	0.059	0	0	14.87	0	0	0	0	587.49	46.682	41.957
J32	0.32	2.87	1272.31	4/13/2017 15:46	2.86	18.3	1331.54	0.236	49.6	-0.045	0	0	23.13	0	0	0	0	36.46	2.87	36.521
J33	5.07	17.27	1272.09	4/13/2017 15:37	17.27	13.28	15427.72	0.086	1780	0.042	2.57	2.781	14.729	0	0	0	0	642.07	50.665	24.028
J35	0.41	4.85	1324.85	4/13/2017 12:00	4.85	60.72	130.36	0.976	2.05	0.225	0	0	14.15	0	0	0	0	21.13	1.299	6.169
J36	2.64	8.6	1262.6	4/13/2017 13:54	8.6	19.24	6114.71	0.18	525	-0.011	0	0	13.4	0	0	0	0	807.92	36.177	7.568
J37	0.68	4.6	1315.6	4/13/2017 12:49	4.6	59.89	322.93	0.856	18.5	0.059	0	0	14.4	0	0	0	0	396.18	15.51	0.815
J38	0.23	1.4	1311.4	4/13/2017 12:50	1.4	0	287.52	0	18.5	-0.038	0	0	15.6	0	0	0	0	396.18	15.51	0.726
J39	6.73	19.13	1253.73	4/13/2017 15:24	19.13	1.38	46952.68	0.029	5940	0.016	0	0	21.87	0	0	0	0	3605.21	275.709	13.024
J4	0.17	4.3	1384.55	4/13/2017 12:02	4.3	0	84.34	0	1.16	-0.193	0	0	9.7	0	0	0	0	12.26	1.413	6.879
J40	0.13	0.59	1319.34	4/13/2017 13:35	0.59	11.76	49.93	0.173	1.89	-3.074	0	0	8.41	0	0	0	0	33.39	2.295	1.495
J41	6.58	18.65	1253.15	4/13/2017 15:25	18.65	0.12	46948.25	0.003	5940	0.018	0	0	22.35	0	0	0	0	3611.78	275.722	12.999
J42	0.26	1.82	1290.82	4/13/2017 12:04	1.82	0	907.02	0	12.3	-0.79	0	0	64.18	0	0	0	0	191.79	17.143	4.729
J43	0.14	0.46	1337.46	4/13/2017 13:03	0.46	0	36.18	0	2.65	-0.074	0	0	16.54	0	0	0	0	26.74	2.315	1.353
J44	3.78	11.48	1307.48	4/13/2017 13:30	11.48	45.31	5823.05	0.654	479	0.04	0	0	9.52	0	0	0	0	12.65	0.227	460.32
J45	0.72	4.38	1251.38	4/13/2017 15:27	4.38	24.29	644.57	0.376	13.5	-0.459	0	0	13.62	0	0	0	0	118.64	19.182	5.433

Junctions SWMM 25-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J46	9.61	25.17	1250.42	4/13/2017 15:28	25.17	31.52	46857.36	0.318	5960	0.026	0	0	25.83	0	0	0	0	4043.09	317.678	11.589
J47	8.96	24.93	1244.47	4/13/2017 15:37	24.93	17.78	47055.25	0.127	6050	0.025	0	0	10.07	0	0	0	0	6267.81	379.747	7.507
J48	0.12	0.67	1325.67	4/13/2017 12:02	0.67	15.59	157.97	0.227	2.48	-0.657	0	0	13.33	0	0	0	0	31.58	0	5.002
J49	0.05	0.34	1320.02	4/13/2017 12:00	0.34	26.86	26.86	0.43	0.43	-2.657	0	0	9.66	0	0	0	0	4.72	0.099	5.691
J5	2.13	9.18	1279.19	4/13/2017 15:58	9.18	23.75	494.45	0.176	25.9	0.258	0	0	32.82	0	0	0	0	264.93	24.362	1.866
J55	0.25	3.13	1331.84	4/13/2017 12:05	3.13	0	69.25	0	1.04	0.409	0	0	19.87	0	0	0	0	11.64	1.097	5.949
J57	0.04	0.33	1326.24	4/13/2017 12:07	0.33	0	41.15	0	1.04	-1.728	0	0	11.67	0	0	0	0	11.64	1.097	3.535
J58	0.06	0.42	1315.65	4/13/2017 11:55	0.42	19.41	19.41	0.261	0.261	-2.331	0	0	21.58	0	0	0	0	2.71	0.339	7.162
J59	0.11	0.51	1327.06	4/13/2017 12:22	0.51	0	27.51	0	1.15	-0.091	0	0	20.49	0	0	0	0	10.81	1.784	2.545
J6	0.31	4.55	1384.55	4/13/2017 12:02	4.55	0	59.85	0	1.16	-0.451	0	0	9.45	0	0	0	0	12.26	1.413	4.882
J60	2.25	10.7	1251.37	4/13/2017 15:27	10.7	59.2	5681.32	1.09	68.8	0.052	0	0	15.3	0	0	0	0	129.67	21.599	43.814
J61	0.31	3.12	1332.12	4/13/2017 12:09	3.12	0	79.04	0	1.17	1.478	0	0	17.88	0	0	0	0	10.81	1.784	7.312
J62	0.34	2.45	1319.37	4/13/2017 12:39	2.45	0	41.04	0	1.05	-0.994	0	0	9.55	0	0	0	0	11.64	1.097	3.526
J63	0.08	0.28	1315.38	4/13/2017 12:41	0.28	0	17.77	0	1.06	-0.184	0	0	11.72	0	0	0	0	11.64	1.097	1.527
J65	0.11	0.35	1309.74	4/13/2017 12:54	0.35	0	33.25	0	2.41	-0.146	0	0	11.65	0	0	0	0	25.46	3.457	1.306
J66	0.49	2.41	1315.41	4/13/2017 12:13	2.41	66.98	249.54	1.12	4.87	-0.977	0	0	14.59	0	0	0	0	54.79	2.29	4.554
J68	0.02	0.24	1271.36	4/13/2017 12:00	0.24	53.11	53.11	0.767	0.767	-2.5	0	0	33.76	0	0	0	0	9.77	1.021	5.436
J69	0.09	0.8	1325.11	4/13/2017 12:03	0.8	26.68	176.24	0.555	5.21	-0.484	0	0	10.2	0	0	0	0	53.37	3.657	3.302
J7	0.12	0.42	1293.51	4/13/2017 12:00	0.42	15.52	40.45	0.191	0.549	-2.037	0	0	16.58	0	0	0	0	7.22	1.543	5.602
J70	6.82	19.45	1254.15	4/13/2017 15:24	19.45	0	46972.56	0	5950	0.046	0	0	21.55	0	0	0	0	3597.99	275.558	13.055
J71	0.04	0.42	1299.42	4/13/2017 12:11	0.42	0	125.59	0	2.71	-0.684	0	0	64.58	0	0	0	0	40.12	1.4	3.13
J725	1.95	7.99	1308	4/13/2017 13:30	7.99	46.67	5821.67	0.524	478	0.003	0	0	18.01	0	0	0	0	5.68	0	1024.942
J74	0.64	3.96	1251.96	4/13/2017 15:28	3.96	36.54	301.6	0.467	7.44	-0.502	0	0	15.04	0	0	0	0	193.25	13.502	1.561
J75	0.13	0.64	1322.14	4/13/2017 12:01	0.64	7.66	28.89	0.108	1.86	-0.432	0	0	6.36	0	0	0	0	24.3	1.614	1.189
J76	0.08	0.57	1254.39	4/13/2017 12:00	0.57	77.25	77.25	0.951	0.951	-3.254	0	0	24.43	0	0	0	0	15.09	1.539	5.119
J763	0.24	1.7	1322.19	4/13/2017 12:00	1.7	414.42	414.42	13.9	13.9	-0.064	0	0	21.3	0	0	0	0	349.87	12.194	1.184
J77	1.07	4.69	1304.69	4/13/2017 12:51	4.69	0	130.7	0	7.19	-0.285	0	0	14.31	0	0	0	0	77.13	4.449	1.695
J779	0.1	0.91	1354.95	4/13/2017 12:00	0.91	107.07	107.07	1.97	1.97	-0.043	0	0	37.09	0	0	0	0	20.88	1.241	5.128
J78	3.3	4.57	1318.57	4/13/2017 12:54	4.57	0	167.3	0	11.6	7.408	0	0	5.43	0	0	0	0	123.84	10.356	1.351
J785	0.28	2.39	1318.91	4/13/2017 12:14	2.39	0	404.62	0	13.9	0.069	0	0	20.61	0	0	0	0	349.87	12.194	1.156
J79	0.12	1.49	1293.49	4/13/2017 12:04	1.49	0	320.86	0	11.8	0.14	0	0	14.51	0	0	0	0	133.47	8.332	2.404
J797	0.07	0.7	1345.1	4/13/2017 12:00	0.7	0	106.66	0	1.97	-0.815	0	0	37.3	0	0	0	0	20.88	1.241	5.108
J8	0.04	0.46	1377.74	4/13/2017 12:03	0.46	0	52.61	0	1.17	-0.116	0	0	16.54	0	0	0	0	12.26	1.413	4.291
J801	0.03	0.34	1346.21	4/13/2017 12:00	0.34	40	40	0.579	0.579	-1.534	0	0	22.66	0	0	0	0	6.3	0.098	6.349
J805	0.03	0.27	1314.57	4/13/2017 12:00	0.27	33.01	33.01	0.748	0.748	-0.511	0	0	7.73	0	0	0	0	8.81	0	3.747
J81	0.48	1.71	1319.71	4/13/2017 12:05	1.71	52.1	435.57	0.866	13.7	-0.365	0	0	6.29	0	0	0	0	210.93	7.99	2.065
J810	0.66	4.1	1343.1	4/13/2017 12:27	4.1	41.86	125.58	0.644	2.71	-0.946	0	0	21.9	0	0	0	0	26.74	2.315	4.696
J814	0.27	2.89	1318.89	4/13/2017 12:14	2.89	0	355.28	0	13.9	-0.019	0	0	16.11	0	0	0	0	349.87	12.194	1.015
J816	0.56	2.09	1307.09	4/13/2017 12:48	2.09	592.55	788.57	12.7	21.1	5.766	0	0	22.91	0	0	0	0	1121.15	19.701	0.703
J819	0.1	1	1333.32	4/13/2017 12:00	1	0	71.49	0	1.06	-1.6	0	0	18	0	0	0	0	10.73	0.848	6.663
J828	0.15	2.1	1343.1	4/13/2017 12:27	2.1	0	105.95	0	2.07	0.189	0	0	23.9	0	0	0	0	20.88	1.241	5.074
J83	0.36	1.69	1320.69	4/13/2017 12:28	1.69	0	148.35	0	6.68	-8.595	0	0	9.31	0	0	0	0	67.92	5.397	2.184
J830	0.04	0.39	1337.11	4/13/2017 11:55	0.39	71.85	71.85	1.06	1.06	-0.096	0	0	18.61	0	0	0	0	10.73	0.848	6.696
J832	0.03	0.25	1317.25	4/13/2017 12:01	0.25	23.15	23.15	0.307	0.307	-5.059	0	0	15.75	0	0	0	0	4.29	0	5.396
J835	0.68	4.87	1318.87	4/13/2017 12:14	4.87	55.17	377.76	0.76	17	-0.017	0	0	13.13	0	0	0	0	381.42	14.371	0.99
J837	0.1	1.68	1318.87	4/13/2017 12:14	1.68	22.35	140.74	0.283	2.33	-0.357	0	0	17.32	0	0	0	0	23.81	1.649	5.911
J839	1.11	6.32	1307.23	4/13/2017 13:30	6.32	65.52	65.52	1.06	1.16	-0.048	0	0	18.68	0	0	0	0	12	0	5.46
J84	0.04	0.53	1268.91	4/13/2017 12:00	0.53	57.79	57.79	0.706	0.706	-3.978	0	0	11.47	0	0	0	0	12.98	0.024	4.452
J842	0.33	2.04	1315.71	4/13/2017 12:15	2.04	0	370.99	0	17	-0.231	0	0	19.96	0	0	0	0	381.42	14.371	0.973
J844	0.06	0.65	1309.49	4/13/2017 12:00	0.65	72.23	72.23	1.22	1.22	-1.381	0	0	11.35	0	0	0	0	13.81	0	5.23
J848	0.49	1.88	1306.78	4/13/2017 12:51	1.88	34.41	306.65	0.496	20.5	-1.33	0	0	14.12	0	0	0	0	1127.09	19.704	0.272
J85	0.28	1.92	1306.92	4/13/2017 12:13	1.92	52.39	134.5	0.667	3.03	-0.894	0	0	14.08	0	0	0	0	30.38	2.581	4.427
J854	0.04	0.36	1312.84	4/13/2017 12:05	0.36	0	32.28	0	0.751	-1.019	0	0	9.64	0	0	0	0	8.81	0	3.664
J856	1.16	6.11	1307.08	4/13/2017 13:30	6.11	37.98	37.98	0.744	0.802	-0.076	0	0	1.89	0	0	0	0	7.82	0.638	4.857
J860	0.72	2.25	1306.33	4/13/2017 13:05	2.24	27.41	27.41	0.404	0.547	4.767	0	0	7.75	0	0	0	0	7.28	0	3.765
J862	0.16	1.48	1318.48	4/13/2017 12:06	1.48	0	416.56	0	13.7	-0.023	0	0	8.52	0	0	0	0	210.93	7.99	1.975
J867	0.06	0.53	1332.68	4/13/2017 12:00	0.53	64.78	103.28	0.934	1.52	-1.249	0	0	22.47	0	0	0	0	16.16	0.491	6.391
J87	0.26	4.14	1289.14	4/13/2017 12:02	4.11	36.85	278.32	0.497	4.06	-0.138	0	0	21.86	0	0	0	0	45.91	6.038	6.062

Junctions SWMM 25-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J870	0.48	3.61	1315.61	4/13/2017 12:49	3.61	39.9	386.46	0.597	17.6	-0.026	0	0	18.39	0	0	0	0	388.08	14.38	0.996
J873	0.02	0.44	1308.67	4/13/2017 12:00	0.44	35.88	35.88	0.349	0.349	-0.879	0	0	12.56	0	0	0	0	11.05	0.002	3.247
J875	0.02	0.29	1346.17	4/13/2017 12:00	0.29	37.61	37.61	0.511	0.511	-5.394	0	0	13.71	0	0	0	0	5.5	0.105	6.838
J877	0.09	0.73	1334.73	4/13/2017 12:00	0.73	81.4	81.4	0.991	0.991	-0.442	0	0	26.27	0	0	0	0	16.9	1.499	4.817
J879	0.09	0.71	1338.88	4/13/2017 12:00	0.71	147.12	147.12	2.28	2.28	-0.087	0	0	19.29	0	0	0	0	23.74	1.348	6.197
J88	1.42	4.1	1282.07	4/13/2017 12:11	4.1	89.84	1064.22	1.01	19.1	-0.369	0	0	65.9	0	0	0	0	301.92	22.833	3.525
J882	0.09	0.76	1328.76	4/13/2017 12:01	0.76	27.43	159.78	0.455	4.65	-0.283	0	0	16.24	0	0	0	0	47.46	3.25	3.367
J896	0.09	0.79	1306.79	4/13/2017 13:02	0.79	19.14	363.91	0.337	11.6	-0.566	0	0	11.21	0	0	0	0	166.63	6.317	2.184
J9	1.83	2.45	1256.72	4/13/2017 14:12	2.45	22.12	93.44	0.291	2.32	34.845	0	0	12.55	0	0	0	0	61.67	3.56	1.515
J90	0.07	0.74	1299.67	4/13/2017 12:03	0.74	101.22	908.2	1.21	12.2	-0.208	0	0	62.26	0	0	0	0	191.79	17.143	4.735
J900	0.18	0.96	1308.65	4/13/2017 12:50	0.96	27.66	290.13	0.484	19	-0.036	0	0	15.04	0	0	0	0	400.64	16.31	0.724
J906	1.67	6.49	1302.12	4/13/2017 13:31	6.49	0	5829.92	0	481	0.003	0	0	14.51	0	0	0	0	42.5	1.316	137.175
J910	0.79	2.33	1306.33	4/13/2017 13:07	2.33	37.15	66.13	0.509	1.04	9.305	0	0	11.67	0	0	0	0	7.82	0.952	8.457
J92	0.31	1.96	1283.26	4/13/2017 12:07	1.96	204.89	1112.26	2.39	18	-0.606	0	0	68.04	0	0	0	0	284.56	22.341	3.909
J921	0.05	0.39	1330.46	4/13/2017 12:00	0.39	53.18	53.18	0.83	0.83	-1.338	0	0	19.61	0	0	0	0	9.48	0.87	5.61
J925	0.12	1.23	1327.35	4/13/2017 11:58	1.23	44.63	178.57	0.614	2.74	-0.15	0	0	16.77	0	0	0	0	26.88	2.741	6.643
J927	0.33	1.29	1300.68	4/13/2017 13:09	1.29	24.26	426.4	0.414	32.5	0.033	0	0	16.71	0	0	0	0	1338.37	27.806	0.319
J93	0.14	1.03	1283.64	4/13/2017 12:02	1.02	0	216.44	0	4.07	-0.063	0	0	21.97	0	0	0	0	45.91	6.038	4.714
J931	0.09	0.7	1330.75	4/13/2017 11:57	0.7	21.45	139.59	0.306	2.12	-0.39	0	0	23.3	0	0	0	0	20.69	2.265	6.747
J935	0.18	1.47	1322.47	4/13/2017 12:00	1.46	238.64	238.64	7.56	7.56	-0.055	0	0	11.53	0	0	0	0	144.21	3.966	1.655
J937	0.05	0.6	1301.45	4/13/2017 12:00	0.6	23.77	53.32	0.473	1.03	-0.246	0	0	11.4	0	0	0	0	10.78	0.809	4.946
J94	0.01	0.1	1386.13	4/13/2017 12:02	0.1	38.68	38.68	0.371	0.371	-4.118	0	0	64.9	0	0	0	0	5.75	0.315	6.727
J946	2.06	6.64	1300.66	4/13/2017 13:31	6.64	40.77	5830.01	0.488	482	0.007	0	0	13.36	0	0	0	0	50.3	1.709	115.905
J950	0.05	0.65	1318.9	4/13/2017 11:59	0.65	66.66	241.79	0.84	3.58	-0.686	0	0	21.35	0	0	0	0	36.07	2.751	6.703
J953	0.17	0.96	1320.98	4/13/2017 12:02	0.96	0	231.39	0	7.56	-0.141	0	0	12.04	0	0	0	0	144.21	3.966	1.605
J955	0.1	0.77	1333.77	4/13/2017 12:00	0.77	28.94	175.72	0.468	2.75	-0.268	0	0	19.23	0	0	0	0	28.92	1.421	6.076
J959	0.07	0.64	1317.64	4/13/2017 12:00	0.64	33.65	113.68	0.626	1.62	-0.668	0	0	26.36	0	0	0	0	24.07	1.511	4.723
J96	0.52	5.96	1302.96	4/13/2017 12:00	5.96	0	536.16	0	11.1	-0.22	0	0	27.04	0	0	0	0	104.93	20.288	5.11
J964	0.06	0.51	1348.6	4/13/2017 11:55	0.51	120.68	120.68	1.81	1.81	-0.173	0	0	23.49	0	0	0	0	17.68	1.958	6.826
J968	0.04	0.42	1298.42	4/13/2017 12:00	0.42	50.74	50.74	0.782	0.782	-4.479	0	0	12.58	0	0	0	0	8.91	0.468	5.695
J97	0.02	0.23	1325.23	4/13/2017 12:00	0.23	11.5	11.5	0.18	0.18	-4.214	0	0	9.77	0	0	0	0	1.69	0.259	6.805
J971	0.03	0.34	1299.34	4/13/2017 11:59	0.34	49.51	49.51	0.995	0.995	-0.811	0	0	9.66	0	0	0	0	10.86	0.504	4.559
J973	0.08	0.97	1298.97	4/13/2017 12:00	0.97	42.77	93.89	0.729	1.76	-0.191	0	0	13.03	0	0	0	0	19.06	0.809	4.926
J975	0.06	0.57	1298.57	4/13/2017 12:04	0.57	64.32	64.32	0.934	0.934	0.702	0	0	13.43	0	0	0	0	17.06	0.002	3.77
J978	0.46	2.76	1302.76	4/13/2017 12:04	2.76	24.71	496.33	0.283	24	-0.179	0	0	50.24	0	0	0	0	451.09	19.458	1.1
J98	0.06	0.8	1311.97	4/13/2017 12:00	0.8	41.45	41.45	0.511	0.511	-0.564	0	0	23.2	0	0	0	0	8.29	0.146	5
J980	0.07	1.02	1296.17	4/13/2017 12:01	1.02	26.48	118.18	0.492	2.26	-0.415	0	0	16.98	0	0	0	0	24.71	0.809	4.783
J982	0.3	1.34	1310.9	4/13/2017 12:07	1.34	0	464.55	0	16.1	-0.038	0	0	19.66	0	0	0	0	241.71	9.782	1.922
J986	0.14	0.77	1325.77	4/13/2017 12:00	0.77	30.27	205.39	0.453	3.21	-0.603	0	0	13.23	0	0	0	0	33.66	1.659	6.102
J988	0.06	0.7	1302.7	4/13/2017 12:00	0.7	143.47	143.47	2.21	2.21	-1.329	0	0	12.3	0	0	0	0	56.03	1.558	2.561
J99	0.36	4.46	1363.46	4/13/2017 12:09	4.46	0	500.48	0	8.33	-0.224	0	0	18.54	0	0	0	0	86.23	7.185	5.804
J990	0.05	0.55	1303.55	4/13/2017 12:04	0.55	0	95.25	0	1.65	-0.614	0	0	18.45	0	0	0	0	18.35	0.87	5.191
J992	0.09	0.71	1325.71	4/13/2017 12:13	0.71	0	65.09	0	2.07	-1.079	0	0	24.29	0	0	0	0	20.48	2.44	3.178
J994	0.08	0.51	1319.51	4/13/2017 12:00	0.51	34.37	34.37	0.668	0.668	-0.566	0	0	13.49	0	0	0	0	6.37	1.005	5.396
J996	0.38	1.53	1293.76	4/13/2017 13:22	1.53	39.15	417.55	0.757	34.7	0.062	0	0	18.47	0	0	0	0	1363.61	28.637	0.306
J998	0.07	0.34	1297.34	4/13/2017 12:07	0.34	0	51.12	0	1	-0.392	0	0	10.66	0	0	0	0	10.86	0.504	4.707
M10042417	0.1	0.51	1277.51	4/13/2017 12:00	0.51	47.03	47.03	1.26	1.26	-0.762	0	0	7.49	0	0	0	0	12.83	2.164	3.666
M1042417	0.03	0.36	1288.36	4/13/2017 12:00	0.36	49.67	49.67	0.95	0.95	-0.796	0	0	22.64	0	0	0	0	10.81	0.103	4.595
M11042417	0.1	0.68	1258.68	4/13/2017 12:00	0.68	115.15	115.15	2.17	2.17	-0.3	0	0	8.32	0	0	0	0	22.33	2.527	5.157
M12042417	1.2	4.83	1257.83	4/13/2017 12:36	4.83	42.15	1416.8	0.504	91.7	0.061	0	0	18.17	0	0	0	0	2043.21	57.208	0.693
M13042417	0.05	0.44	1266.97	4/13/2017 12:00	0.44	69.31	69.31	0.973	0.973	-2.115	0	0	9.56	0	0	0	0	14.39	0.714	4.817
M14042417	0.07	0.56	1283.56	4/13/2017 12:00	0.56	47.99	47.99	0.814	0.814	-0.66	0	0	10.44	0	0	0	0	9.24	0	5.194
M15042417	0.04	0.19	1320.28	4/13/2017 12:05	0.19	17.04	17.04	0.237	0.237	-9.825	0	0	14.81	0	0	0	0	2.5	0.116	6.816
M16042417	0.08	0.37	1296.48	4/13/2017 12:10	0.37	44.6	52.51	0.85	1.11	-2.32	0	0	14.63	0	0	0	0	16.07	0.368	3.268
M18042417	0.87	3.79	1254.79	4/13/2017 12:38	3.79	15.62	1408.53	0.215	92.6	-0.005	0	0	15.21	0	0	0	0	2058.64	57.444	0.684
M19042417	1.23	3.39	1253.21	4/13/2017 12:39	3.39	114.9	1415.07	1.53	94.1	-0.053	0	0	16.61	0	0	0	0	2079.64	58.53	0.68
M20042417	0.57	2.18	1250.69	4/13/2017 12:39	2.18	80.89	1423.83	1.09	95.2	-0.024	0	0	19.82	0	0	0	0	2097.12	59.175	0.679
M2042417	0.2	1.16	1283.33	4/13/2017 12:24	1.16	0	263.96	0	11.6	-0.065	0	0	26.84	0	0	0	0	160.06	5.898	1.649

Junctions SWMM 25-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
M21042417	0.83	3.49	1250.27	4/13/2017 12:40	3.49	74.45	1432.34	1.09	96.4	-0.019	0	0	23.51	0	0	0	0	2110.74	59.649	0.679
M22042417	0.82	3.28	1247.16	4/13/2017 12:41	3.28	16.01	1432.14	0.149	96.5	-0.016	0	0	23.72	0	0	0	0	2113.44	59.649	0.678
M23042417	0.95	3.5	1246.5	4/13/2017 12:42	3.5	35.16	1433.14	0.38	96.9	-0.022	0	0	14.5	0	0	0	0	2120.77	59.803	0.676
M24042417	1.13	3.71	1245.96	4/13/2017 12:42	3.71	29.2	1432.68	0.33	97.3	-0.017	0	0	10.29	0	0	0	0	2126.76	60.27	0.674
M25042417	1.14	3.59	1245.59	4/13/2017 15:33	3.59	12.99	1432.56	0.154	97.4	-0.019	0	0	10.41	0	0	0	0	2130.18	60.328	0.673
M26042417	1.09	3.87	1245.58	4/13/2017 15:32	3.87	14.47	1432.6	0.164	97.6	-0.029	0	0	11.13	0	0	0	0	2133.03	60.405	0.672
M27042417	1.55	5.57	1245.57	4/13/2017 15:32	5.57	44.88	1437.52	0.64	98.3	-0.015	0	0	9.43	0	0	0	0	2144.74	60.943	0.67
M28042417	1.43	5.59	1245.57	4/13/2017 15:32	5.58	22.22	1440.3	0.32	98.6	-0.037	0	0	12.41	0	0	0	0	2151.6	61.133	0.669
M29042417	1.11	5.87	1245.56	4/13/2017 15:32	5.87	22.92	1446.06	0.437	99.1	-0.048	0	0	12.13	0	0	0	0	2161.03	61.437	0.669
M30042417	2	9.56	1245.56	4/13/2017 15:32	9.56	37.49	1446.09	0.324	99.5	-0.47	0	0	22.44	0	0	0	0	2170.36	61.761	0.666
M3042417	0.34	1.45	1282.81	4/13/2017 12:24	1.45	42.25	271.96	0.639	12.2	-0.052	0	0	26.55	0	0	0	0	166.78	6.222	1.631
M31042417	7.46	22.69	1245.69	4/13/2017 15:36	22.69	0.25	46850.11	0.005	5960	0.023	0	0	25.31	0	0	0	0	4077.31	317.986	11.49
M32042417	8.81	24.56	1245.56	4/13/2017 15:36	24.56	0	47096.64	0	6060	0.05	0	0	10.44	0	0	0	0	6258.68	379.747	7.525
M40042417	0.13	0.85	1284.85	4/13/2017 12:22	0.85	124.23	264.25	3.46	11.6	-0.072	0	0	7.15	0	0	0	0	160.06	5.898	1.651
M4042417	0.49	1.58	1280.58	4/13/2017 12:24	1.58	52.43	288.15	1.01	13.3	-0.082	0	0	13.42	0	0	0	0	177.14	7.223	1.627
M41042417	0.57	2.98	1257.98	4/13/2017 12:35	2.98	52.12	1418.64	0.851	90.2	-0.015	0	0	16.02	0	0	0	0	2022.3	56.056	0.701
M5042417	0.22	1.35	1279.35	4/13/2017 12:25	1.35	0	288.12	0	13.3	-0.066	0	0	10.65	0	0	0	0	177.14	7.223	1.627
M6042417	0.23	0.87	1279.15	4/13/2017 12:00	0.87	78.12	78.12	1.43	1.43	-0.316	0	0	20.13	0	0	0	0	15.03	1.063	5.198
M7042417	0.05	0.63	1278.63	4/13/2017 12:01	0.62	47.15	123.24	0.765	2.2	-0.727	0	0	20.37	0	0	0	0	23.14	1.461	5.326
M8042417	0.57	2.1	1275.1	4/13/2017 12:03	2.1	35.32	194.57	0.787	4.28	-0.576	0	0	8.9	0	0	0	0	44.12	4.437	4.41
M9042417	0.78	2.71	1260.66	4/13/2017 12:30	2.71	0	1382.53	0	87.1	-0.002	0	0	17.29	0	0	0	0	1990.45	52.764	0.695
MAS1	0.06	0.69	1337.69	4/13/2017 11:55	0.69	78.21	78.21	0.825	0.825	-0.183	0	0	15.31	0	0	0	0	13.51	1.295	5.789
MAS10	0.3	2	1306.01	4/13/2017 12:02	2	33.33	843.56	0.428	11	-0.451	0	0	61	0	0	0	0	173.2	15.616	4.87
MAS100	0.44	2.88	1283.9	4/13/2017 12:08	2.88	92.59	1730.95	1.04	32.8	-0.226	0	0	53.12	0	0	0	0	351.02	38.361	4.931
MAS101	0.07	0.69	1376.95	4/13/2017 12:00	0.69	97.9	201.18	1.23	2.6	-0.311	0	0	49.31	0	0	0	0	38.47	4.111	5.23
MAS102	0.07	0.93	1347.62	4/13/2017 11:57	0.93	0	217.11	0	3.18	-0.287	0	0	35.07	0	0	0	0	31.66	2.788	6.858
MAS103	0.05	0.71	1284.71	4/13/2017 12:00	0.71	78.42	214.18	0.931	2.5	-0.197	0	0	13.29	0	0	0	0	42.11	1.464	5.086
MAS104	0.07	0.9	1375.68	4/13/2017 11:55	0.9	89.25	147.6	1.02	1.75	-0.344	0	0	51.1	0	0	0	0	20.64	2.269	7.151
MAS105	0.23	2.44	1305.24	4/13/2017 12:03	2.44	61.84	1438.39	0.804	25.2	-0.062	0	0	26.56	0	0	0	0	262.58	28.264	5.478
MAS106	0.31	2.43	1313.43	4/13/2017 12:08	2.43	19.57	619.37	0.146	17.4	-0.014	0	0	17.57	0	0	0	0	266.58	23.157	2.323
MAS107	0.14	1.57	1336.57	4/13/2017 11:58	1.57	105.22	438.34	1.23	6.32	-0.327	0	0	26.43	0	0	0	0	64.43	4.211	6.803
MAS108	0.11	1.34	1365.34	4/13/2017 12:00	1.34	0	276.03	0	3.46	-0.147	0	0	37.66	0	0	0	0	51.77	5.179	5.332
MAS109	0.14	0.79	1379.05	4/13/2017 11:55	0.79	25.07	146.81	0.273	1.85	-0.137	0	0	18.21	0	0	0	0	28.04	3.579	5.236
MAS11	0.1	0.76	1396.86	4/13/2017 11:55	0.76	125.06	125.06	1.57	1.57	-0.015	0	0	15.24	0	0	0	0	22.96	3.226	5.447
MAS110	0.16	1.06	1355.84	4/13/2017 12:00	1.06	50.26	131.61	0.537	3.31	-0.245	0	0	23.94	0	0	0	0	49.76	4.039	2.645
MAS111	0.18	2.09	1321.09	4/13/2017 12:01	2.08	0	736.81	0	8.88	-0.046	0	0	34.91	0	0	0	0	143.58	11.415	5.132
MAS112	0.06	0.65	1330.41	4/13/2017 12:00	0.64	0	221.55	0	3.12	-0.233	0	0	22.35	0	0	0	0	46.78	2.133	4.736
MAS113	0.16	1.33	1326.45	4/13/2017 12:00	1.33	62.21	556.7	0.795	8.24	-0.361	0	0	21.67	0	0	0	0	82.04	6.94	6.786
MAS114	0.34	1.58	1341.1	4/13/2017 12:00	1.58	39.24	568.35	0.427	6.78	-0.517	0	0	30.42	0	0	0	0	108.44	8.975	5.241
MAS115	0.19	1.06	1345.06	4/13/2017 12:01	1.06	0	300.53	0	9.1	-0.055	0	0	25.94	0	0	0	0	101.08	11.965	2.973
MAS116	0.04	0.56	1339.56	4/13/2017 11:56	0.56	91.73	248.35	1.13	4.52	-0.459	0	0	23.44	0	0	0	0	54.61	4.482	4.548
MAS118	0.22	0.73	1360.73	4/13/2017 12:01	0.73	0	95.4	0	5.14	0.287	0	0	24.27	0	0	0	0	61.33	6.808	1.556
MAS119	0.36	2.03	1334.03	4/13/2017 12:03	2.03	49.81	482.96	0.622	13	-0.115	0	0	23.97	0	0	0	0	137.84	16.696	3.504
MAS12	0.17	1.14	1370.14	4/13/2017 12:00	1.14	84.03	276.61	0.841	3.45	-0.069	0	0	8.86	0	0	0	0	51.77	5.179	5.343
MAS120	0.14	1.6	1302.6	4/13/2017 12:03	1.6	13.7	1538.84	0.199	27.4	-0.069	0	0	31.4	0	0	0	0	286.63	32.198	5.369
MAS122	0.54	2.25	1287.25	4/13/2017 12:32	2.25	66.42	392.37	0.755	23.7	-0.097	0	0	20.75	0	0	0	0	363.16	27.125	1.08
MAS123	0.17	2.33	1313.33	4/13/2017 12:01	2.33	78.68	1071.06	1.13	17	-0.096	0	0	22.67	0	0	0	0	169.92	19.398	6.303
MAS124	0.35	2.35	1356.35	4/13/2017 12:05	2.35	33.94	183.73	0.348	3.53	-0.469	0	0	6.65	0	0	0	0	57.85	5.703	3.176
MAS125	0.19	2.33	1318.38	4/13/2017 12:00	2.33	35.55	797.47	0.412	12.3	-0.101	0	0	20.67	0	0	0	0	124.81	10.642	6.389
MAS126	0.21	2.76	1307.76	4/13/2017 12:02	2.75	0	1367.56	0	23.5	-0.116	0	0	23.24	0	0	0	0	245.55	26.232	5.569
MAS128	0.46	2.62	1283.62	4/13/2017 12:04	2.62	67.64	655.77	0.608	29.7	-0.141	0	0	23.38	0	0	0	0	451.66	30.671	1.452
MAS129	0.38	3.37	1307.49	4/13/2017 12:02	3.36	0	819.32	0	10.5	-0.067	0	0	8.63	0	0	0	0	166.62	14.97	4.917
MAS13	0.11	0.58	1379.48	4/13/2017 12:00	0.58	81.96	81.96	1.04	1.04	-0.013	0	0	13.42	0	0	0	0	16.41	1.442	4.995
MAS132	0.49	2.36	1281.36	4/13/2017 12:04	2.36	16.02	683.87	0.197	31	-0.213	0	0	31.64	0	0	0	0	471.43	32.105	1.451
MAS133	0.07	0.56	1337.56	4/13/2017 12:00	0.56	0	101.07	0	1.12	-0.312	0	0	20.44	0	0	0	0	17.88	0.594	5.653
MAS134	0.28	2.75	1370.46	4/13/2017 12:05	2.75	53.32	139.17	0.585	1.71	1.01	0	0	23.25	0	0	0	0	23.9	1.737	5.823
MAS135	0.71	4.73	1369.73	4/13/2017 12:24	4.73	17.89	154.55	0.177	2.56	-0.342	0	0	7.27	0	0	0	0	29.58	2.195	5.225
MAS1359	0.17	1.31	1326.31	4/13/2017 12:12	1.31	11.9	43.63	0.18	0.967	-0.471	0	0	7.69	0	0	0	0	12.31	0.763	3.544

Junctions SWMM 25-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
MAS136	0.06	0.35	1365.03	4/13/2017 12:26	0.35	0	38.22	0	2.03	-0.037	0	0	11.65	0	0	0	0	29.58	2.195	1.292
MAS137	0.28	4.91	1353.91	4/13/2017 12:08	4.91	33.05	200.01	0.376	2.27	2.212	0	0	25.09	0	0	0	0	28.26	1.431	7.077
MAS138	0.07	0.72	1345.7	4/13/2017 12:17	0.72	0	75.75	0	2.22	-0.019	0	0	24.28	0	0	0	0	28.26	1.431	2.68
MAS14	0.06	0.86	1356.86	4/13/2017 11:55	0.86	20.55	88.02	0.308	1.36	-0.047	0	0	42.14	0	0	0	0	12.98	1.777	6.781
MAS141	0.14	1.94	1329.25	4/13/2017 12:00	1.94	0	623.07	0	7.55	-0.007	0	0	57.06	0	0	0	0	121.03	9.858	5.148
MAS142	0.19	2.64	1369.64	4/13/2017 11:55	2.64	0	105.54	0	1.27	-0.106	0	0	8.36	0	0	0	0	18.97	1.818	5.564
MAS143	0.33	3.6	1369.73	4/13/2017 12:25	3.58	15.4	119.69	0.152	2.39	-0.046	0	0	8.4	0	0	0	0	27.07	1.87	4.421
MAS144	0.09	1.11	1314.91	4/13/2017 12:01	1.11	0	170.43	0	2.8	-0.04	0	0	12.89	0	0	0	0	26.52	5.878	6.426
MAS145	0.14	1.91	1317.91	4/13/2017 12:00	1.91	0	193.33	0	2.81	0.212	0	0	11.09	0	0	0	0	26.52	5.878	7.29
MAS147	0.13	0.77	1334.67	4/13/2017 12:00	0.77	0	194.61	0	3.96	-0.201	0	0	34.23	0	0	0	0	61.59	4.767	3.16
MAS148	0.11	0.71	1350.71	4/13/2017 12:00	0.71	0	130.57	0	1.62	-0.514	0	0	45.29	0	0	0	0	23.46	2.514	5.566
MAS150	0.08	0.46	1368.51	4/13/2017 12:00	0.46	18	115.55	0.177	1.43	-0.133	0	0	66.54	0	0	0	0	22.38	2.873	5.163
MAS151	0.04	0.58	1365.24	4/13/2017 12:00	0.58	0	114.97	0	1.44	-0.194	0	0	30.42	0	0	0	0	22.38	2.873	5.137
MAS152	0.35	2.98	1372.66	4/13/2017 12:07	2.98	34.82	179.79	0.367	2.26	1.148	0	0	12.02	0	0	0	0	34.93	4.14	5.147
MAS153	0.08	0.81	1368.81	4/13/2017 12:03	0.81	0	167.24	0	3.17	-0.23	0	0	14.19	0	0	0	0	50.29	5.349	3.326
MAS157	0.08	0.71	1374.79	4/13/2017 12:00	0.71	0	146.54	0	1.85	-2.328	0	0	14.29	0	0	0	0	28.04	3.579	5.226
MAS159	0.1	1.01	1376.84	4/13/2017 12:00	1.01	0	83.82	0	0.93	-0.235	0	0	9.99	0	0	0	0	15.36	1.209	5.457
MAS166	0.05	0.67	1390.4	4/13/2017 11:55	0.67	0	124.81	0	1.57	-0.051	0	0	18.33	0	0	0	0	22.96	3.226	5.436
MAS167	0.06	0.36	1353.1	4/13/2017 12:00	0.36	36.17	36.17	0.482	0.482	-1.515	0	0	12.64	0	0	0	0	6.24	0.645	5.796
MAS168	0.23	1.69	1330.5	4/13/2017 12:02	1.69	32.92	330.15	0.431	6	0.073	0	0	20.31	0	0	0	0	70.57	6.55	4.678
MAS169	0.05	0.58	1367.12	4/13/2017 11:55	0.58	99.84	99.84	1.15	1.15	-0.128	0	0	29.42	0	0	0	0	14.24	1.731	7.011
MAS17	0.03	0.47	1370.1	4/13/2017 11:55	0.47	105.88	105.88	1.27	1.27	-0.031	0	0	10.53	0	0	0	0	18.97	1.818	5.581
MAS170	0.02	0.45	1359.95	4/13/2017 11:55	0.45	67.62	67.62	1.05	1.05	-0.008	0	0	24.55	0	0	0	0	10.33	1.147	6.546
MAS171	0.17	1.02	1351.32	4/13/2017 12:01	1.02	0	157.4	0	3.11	-0.504	0	0	29.98	0	0	0	0	80.23	8.576	1.962
MAS175	0.03	0.71	1354.71	4/13/2017 12:05	0.71	18.91	136.38	0.158	2.03	-0.728	0	0	80.29	0	0	0	0	60.86	5.884	2.241
MAS176	0.1	0.54	1376.25	4/13/2017 12:00	0.54	22.2	82.9	0.319	1.36	-0.555	0	0	24.46	0	0	0	0	13.86	1.142	5.981
MAS177	0.34	4.6	1375.6	4/13/2017 11:55	4.6	0	100.87	0	1.43	0.039	0	0	13.4	0	0	0	0	14	1.461	7.205
MAS178	0.05	0.53	1368.73	4/13/2017 11:57	0.53	0	101.58	0	1.43	-0.345	0	0	17.47	0	0	0	0	14	1.461	7.256
MAS179	0.06	0.62	1360.53	4/13/2017 12:00	0.62	0	146.98	0	2.91	-0.08	0	0	16.38	0	0	0	0	29.04	4.497	5.061
MAS18	0.08	1.17	1351.21	4/13/2017 12:00	1.17	66.14	336.73	0.588	4.05	-0.211	0	0	37.83	0	0	0	0	63.16	5.486	5.331
MAS180	0.55	4.77	1368.77	4/13/2017 12:00	4.77	69.23	147.54	0.954	2.91	0.128	0	0	12.23	0	0	0	0	29.04	4.497	5.081
MAS181	0.15	0.83	1342.66	4/13/2017 11:55	0.83	80.19	197.44	1.11	2.8	-0.366	0	0	48.17	0	0	0	0	26.52	5.878	7.445
MAS182	0.08	0.63	1351.91	4/13/2017 11:55	0.63	0	98.8	0	1.15	-0.581	0	0	29.37	0	0	0	0	14.24	1.731	6.938
MAS183	0.02	0.48	1341.48	4/13/2017 12:00	0.48	39.59	159.13	0.378	2.17	-0.146	0	0	18.52	0	0	0	0	33.8	0.667	4.708
MAS184	0.09	0.93	1345.93	4/13/2017 12:00	0.93	70.71	195.34	0.643	3.96	-0.184	0	0	34.07	0	0	0	0	61.59	4.767	3.172
MAS185	0.31	1.67	1308.67	4/13/2017 12:09	1.67	34.42	661.02	0.324	18.7	-0.748	0	0	21.33	0	0	0	0	287.83	24.269	2.297
MAS19	0.03	0.43	1375.43	4/13/2017 12:00	0.43	99.88	99.88	1.26	1.26	-0.09	0	0	66.57	0	0	0	0	18.71	2.698	5.338
MAS2	0.96	4.19	1338.19	4/13/2017 12:00	4.19	43.28	605.71	0.441	7.26	-1.008	0	0	27.81	0	0	0	0	117.17	9.563	5.169
MAS20	0.08	0.72	1387.12	4/13/2017 11:54	0.72	126.1	126.1	1.77	1.77	-0.072	0	0	21.28	0	0	0	0	17.91	3.02	7.041
MAS21	0.05	0.57	1372.26	4/13/2017 12:00	0.57	0	83.44	0	0.932	-0.866	0	0	14.43	0	0	0	0	15.36	1.209	5.432
MAS22	0.02	0.29	1401.95	4/13/2017 12:00	0.29	27.76	27.76	0.323	0.323	-1.744	0	0	70.71	0	0	0	0	5.59	0.245	4.966
MAS23	0.18	1.12	1351.16	4/13/2017 11:55	1.12	111.86	218.32	1.49	3.17	-0.22	0	0	35.88	0	0	0	0	31.66	2.788	6.896
MAS24	0.07	1.11	1364.63	4/13/2017 11:55	1.11	26.54	130.9	0.34	1.61	-0.125	0	0	44.89	0	0	0	0	23.46	2.514	5.58
MAS26	0.03	0.31	1408.53	4/13/2017 11:55	0.31	46.74	46.74	0.568	0.568	-0.135	0	0	11.69	0	0	0	0	7.95	0.98	5.879
MAS27	0.09	0.6	1397.26	4/13/2017 12:00	0.6	39.21	85.39	0.356	0.925	-0.545	0	0	11.4	0	0	0	0	15.36	1.209	5.559
MAS29	0.14	0.78	1346.34	4/13/2017 12:00	0.78	0	116.54	0	1.98	0.024	0	0	9.22	0	0	0	0	22.67	1.802	5.141
MAS3	0.11	0.8	1327.34	4/13/2017 11:56	0.8	23.87	100.51	0.213	1.04	-2.18	0	0	24.2	0	0	0	0	17.35	1.509	5.793
MAS30	0.05	0.56	1391.77	4/13/2017 12:00	0.56	62.06	62.06	1.04	1.04	-0.031	0	0	10.44	0	0	0	0	10.67	0.866	5.816
MAS31	0.04	0.71	1379.71	4/13/2017 11:55	0.69	70.01	197.07	0.828	2.6	-0.367	0	0	21.29	0	0	0	0	26.51	3.59	7.434
MAS32	0.09	1.07	1330.38	4/13/2017 12:00	1.07	27.64	216.46	0.463	3.59	-0.122	0	0	23.93	0	0	0	0	38.49	3.539	5.624
MAS33	0.02	0.6	1361.6	4/13/2017 11:55	0.6	65.66	65.66	0.621	0.621	-0.092	0	0	24.4	0	0	0	0	10.2	0.131	6.437
MAS34	0.08	0.65	1374.65	4/13/2017 12:00	0.65	89.01	89.01	1.09	1.09	-2.95	0	0	25.35	0	0	0	0	14.99	0.879	5.938
MAS35	0.1	1.06	1363.16	4/13/2017 11:55	1.06	129.73	129.73	1.9	1.9	-0.259	0	0	30.94	0	0	0	0	19.6	1.215	6.619
MAS36	0.05	0.31	1375.28	4/13/2017 12:00	0.31	50.56	50.56	0.797	0.797	-0.15	0	0	10.69	0	0	0	0	10.31	1.137	4.904
MAS37	0.19	2.83	1342.39	4/13/2017 12:00	2.83	101.13	101.13	1.12	1.12	-0.011	0	0	18.17	0	0	0	0	17.88	0.594	5.656
MAS38	0.15	0.76	1358.48	4/13/2017 12:00	0.75	51.88	102	0.914	1.71	-0.613	0	0	15.24	0	0	0	0	19.96	1.713	5.11
MAS39	1.78	5.39	1376.32	4/13/2017 12:56	5.39	18.68	459.39	0.269	9.01	0.835	0	0	23.61	0	0	0	0	35.09	4.454	13.092
MAS4	0.1	1.55	1344.55	4/13/2017 12:00	1.55	67.56	401.42	0.666	4.72	-0.125	0	0	29.45	0	0	0	0	75.29	6.225	5.332

Junctions SWMM 25-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
MAS40	0.08	0.86	1337.25	4/13/2017 12:00	0.86	79.61	190.45	1.15	3.13	-0.126	0	0	24.14	0	0	0	0	34.2	2.81	5.569
MAS41	0.04	0.36	1346.03	4/13/2017 11:55	0.36	73.09	73.09	1.09	1.09	-0.271	0	0	11.64	0	0	0	0	9.78	1.979	7.473
MAS43	0.02	0.6	1353.66	4/13/2017 11:55	0.6	68.07	133.26	0.653	1.28	-0.105	0	0	30.4	0	0	0	0	20.92	0.34	6.37
MAS44	0.05	0.55	1382.96	4/13/2017 12:00	0.55	0	61.95	0	1.04	-0.091	0	0	14.45	0	0	0	0	10.67	0.866	5.806
MAS45	0.06	1	1347.02	4/13/2017 11:56	1	20.39	152.63	0.22	1.5	-0.939	0	0	30	0	0	0	0	24.59	0.4	6.207
MAS46	0.14	0.65	1341.5	4/13/2017 12:00	0.64	0	264.68	0	6.15	-0.022	0	0	13.35	0	0	0	0	97.57	10.384	2.713
MAS47	0.03	0.33	1402.71	4/13/2017 11:55	0.33	51.47	51.47	0.769	0.769	-0.099	0	0	19.67	0	0	0	0	7.08	1.815	7.27
MAS49	0.04	0.42	1396.42	4/13/2017 11:55	0.42	22.53	73.58	0.312	1.08	-0.742	0	0	23.58	0	0	0	0	10.27	2.434	7.165
MAS5	0.36	3.24	1312.24	4/13/2017 12:01	3.24	51.78	793.62	0.676	10	-0.084	0	0	38.76	0	0	0	0	159.9	13.783	4.963
MAS51	0.37	4.18	1394.74	4/13/2017 12:06	4.18	13.15	84.94	0.18	1.27	-0.452	0	0	19.82	0	0	0	0	11.76	2.888	7.223
MAS52	0.09	0.64	1377.68	4/13/2017 11:55	0.64	72.38	72.38	0.734	0.734	-0.676	0	0	11.36	0	0	0	0	11.51	1.042	6.288
MAS54	0.07	0.48	1387.44	4/13/2017 11:55	0.48	14.25	49.28	0.208	1.48	-0.039	0	0	15.52	0	0	0	0	13.51	3.348	3.648
MAS55	0.04	0.38	1340.99	4/13/2017 11:55	0.38	58.54	58.54	0.766	0.766	-0.775	0	0	10.62	0	0	0	0	8.33	1.033	7.028
MAS56	0.92	2.73	1333.73	4/13/2017 12:00	2.73	65.13	222.32	0.919	3.1	-0.875	0	0	16.27	0	0	0	0	46.78	2.133	4.752
MAS57	0.14	0.91	1346.95	4/13/2017 12:00	0.91	85.98	164.68	1.05	6.18	-0.158	0	0	23.09	0	0	0	0	72.04	7.467	2.286
MAS58	0.19	1.65	1319.81	4/13/2017 12:00	1.65	40.25	255.99	0.531	3.66	-0.311	0	0	21.35	0	0	0	0	53.4	3.245	4.794
MAS59	0.06	0.68	1358.79	4/13/2017 11:55	0.68	118.99	118.99	1.68	1.68	-0.043	0	0	48.32	0	0	0	0	15.74	3.714	7.56
MAS6	0.17	2.67	1314.04	4/13/2017 12:01	2.67	45.27	763.07	0.435	9.32	-0.049	0	0	39.33	0	0	0	0	151.8	11.61	5.027
MAS61	0.27	1.16	1343.18	4/13/2017 12:02	1.16	106.55	356.5	1.39	10.5	-0.118	0	0	25.84	0	0	0	0	114.1	13.921	3.124
MAS62	0.06	0.66	1379.1	4/13/2017 11:55	0.65	101.84	101.84	1.42	1.42	-0.3	0	0	17.34	0	0	0	0	14	1.461	7.274
MAS63	0.13	1.15	1324.64	4/13/2017 12:00	1.15	64.6	165.52	0.668	1.79	-10.881	0	0	10.85	0	0	0	0	32.35	0.897	5.117
MAS64	0.18	1.21	1351.66	4/13/2017 11:57	1.21	114.3	257.49	1.01	2.77	-2.898	0	0	47.79	0	0	0	0	38.99	3.296	6.604
MAS66	0.03	0.39	1308.45	4/13/2017 12:00	0.39	54.06	54.06	0.844	0.844	-1.592	0	0	20.61	0	0	0	0	9.26	1.126	5.838
MAS67	0.21	2.33	1309.41	4/13/2017 12:01	2.33	37.69	1086.7	0.492	17.5	-0.086	0	0	22.67	0	0	0	0	174.98	19.682	6.21
MAS68	0.49	5.86	1336.86	4/13/2017 12:00	5.85	30.27	274.46	0.532	5.07	-0.138	0	0	18.14	0	0	0	0	59.69	5.597	4.598
MAS69	0.11	0.94	1308.07	4/13/2017 12:00	0.94	64.11	304.69	0.669	4.34	-0.31	0	0	19.06	0	0	0	0	62.6	3.475	4.867
MAS7	0.1	1.4	1334.27	4/13/2017 12:00	1.4	20.16	623.33	0.213	7.55	-0.073	0	0	57.6	0	0	0	0	121.03	9.858	5.15
MAS71	0.12	0.68	1340.68	4/13/2017 11:59	0.68	24.28	120.91	0.4	1.83	-0.463	0	0	17.32	0	0	0	0	17.86	1.982	6.77
MAS73	0.34	2.53	1312.53	4/13/2017 12:08	2.53	94.15	648.63	0.98	18.4	-0.037	0	0	20.47	0	0	0	0	280.94	24.018	2.309
MAS74	0.06	0.43	1304.49	4/13/2017 12:00	0.43	89.52	89.52	1.12	1.12	-1.155	0	0	15.57	0	0	0	0	17.43	1.279	5.136
MAS75	0.1	1.43	1304.16	4/13/2017 12:00	1.43	31.76	137.3	0.424	1.98	-0.16	0	0	9.57	0	0	0	0	22.36	3.45	6.14
MAS76	0.11	0.99	1295.99	4/13/2017 12:01	0.99	85.21	381.83	0.93	5.28	-1.281	0	0	25.01	0	0	0	0	78.48	3.522	4.865
MAS77	0.45	2.12	1295.26	4/13/2017 12:31	2.12	39.84	384.46	0.47	22.9	-0.059	0	0	12.88	0	0	0	0	349.84	26.88	1.099
MAS79	0.06	1.12	1384.12	4/13/2017 11:56	1.12	54.52	176.6	0.491	1.83	-3.356	0	0	31.88	0	0	0	0	23.09	1.229	7.648
MAS8	0.19	2.96	1309.96	4/13/2017 12:02	2.95	21.24	812.54	0.246	10.3	-0.059	0	0	37.04	0	0	0	0	163.21	14.185	4.978
MAS81	0.05	0.66	1386.66	4/13/2017 11:55	0.66	59.18	59.18	0.726	0.726	-0.14	0	0	51.34	0	0	0	0	8.11	1.078	7.297
MAS82	0.04	0.52	1332.52	4/13/2017 11:55	0.51	96.6	96.6	1.21	1.21	-0.107	0	0	26.48	0	0	0	0	14.62	2.281	6.607
MAS83	0.07	0.92	1314.96	4/13/2017 11:56	0.92	25.09	119.89	0.335	1.55	-0.407	0	0	26.08	0	0	0	0	17.65	2.83	6.793
MAS84	0.04	0.68	1397.68	4/13/2017 11:55	0.68	123.7	123.7	1.34	1.34	-0.138	0	0	32.32	0	0	0	0	15.81	1.102	7.824
MAS85	0.07	0.63	1309.63	4/13/2017 12:00	0.63	76.23	76.23	0.88	0.88	-0.257	0	0	13.37	0	0	0	0	14.5	0.811	5.257
MAS86	0.2	1.88	1299.89	4/13/2017 12:04	1.88	58.12	1566.47	0.83	28.2	-0.115	0	0	40.12	0	0	0	0	294.59	33.778	5.317
MAS87	0.12	1.58	1298.96	4/13/2017 12:04	1.58	27.57	1580.66	0.375	28.6	-0.066	0	0	40.42	0	0	0	0	299.27	34.269	5.282
MAS88	0.19	2.21	1297.54	4/13/2017 12:05	2.21	77.95	1634.36	0.945	29.9	-0.135	0	0	35.79	0	0	0	0	315.21	35.445	5.185
MAS89	0.08	0.88	1293.88	4/13/2017 12:00	0.88	61.03	136.76	0.682	1.56	-0.297	0	0	13.12	0	0	0	0	26.14	1.05	5.232
MAS9	0.13	1.73	1325.73	4/13/2017 12:01	1.73	28.34	646.89	0.249	7.8	-0.185	0	0	30.27	0	0	0	0	126.23	9.905	5.125
MAS90	0.25	1.47	1278.56	4/13/2017 12:05	1.47	71.03	711.35	0.707	31.8	-0.09	0	0	32.53	0	0	0	0	481.42	32.26	1.478
MAS91	0.38	2.94	1294.08	4/13/2017 12:05	2.94	94.72	1661.42	1.17	31.1	-0.146	0	0	38.06	0	0	0	0	328.2	37.485	5.062
MAS92	0.55	2.05	1276.05	4/13/2017 12:04	2.05	51.18	833.85	0.543	33.9	-0.178	0	0	25.95	0	0	0	0	511.45	32.309	1.63
MAS93	0.02	0.5	1283.38	4/13/2017 12:00	0.5	70.4	117.46	0.842	1.47	-0.624	0	0	12.5	0	0	0	0	22.33	0.049	5.26
MAS95	0.52	2.95	1291.16	4/13/2017 12:05	2.95	51.2	1685.36	0.583	31.7	-0.275	0	0	38.05	0	0	0	0	336.64	37.906	5.006
MAS96	0.04	0.4	1301.58	4/13/2017 12:00	0.4	12.52	48.58	0.181	0.625	-0.632	0	0	10.6	0	0	0	0	9.59	0.047	5.066
MAS97	0.04	0.29	1314.85	4/13/2017 12:00	0.29	16.51	16.51	0.195	0.195	-0.125	0	0	10.71	0	0	0	0	3.62	0.022	4.561
MAS99	0.05	0.73	1278.2	4/13/2017 12:00	0.73	62.3	62.3	0.803	0.803	-0.097	0	0	11.27	0	0	0	0	11.12	0.034	5.603
MASJ1021	0.35	1.34	1319.34	4/13/2017 13:33	1.34	44.04	69.26	0.792	2.8	-0.709	0	0	9.66	0	0	0	0	41.53	2.987	1.668
MASJ108	0.06	0.27	1313.75	4/13/2017 12:00	0.27	20.32	26.57	0.32	0.369	-1.482	0	0	7.73	0	0	0	0	11.33	1.773	2.345
MASJ1090	0.05	0.55	1373.03	4/13/2017 11:55	0.55	0	70.34	0	0.903	-0.483	0	0	22.45	0	0	0	0	9.01	1.501	7.807
MASJ110	0.03	0.28	1341.55	4/13/2017 11:55	0.28	33.74	33.74	0.561	0.561	-0.158	0	0	21.72	0	0	0	0	5.03	1.027	6.708
MASJ1111	0.01	0.18	1302.18	4/13/2017 12:00	0.18	26.2	26.2	0.323	0.323	-0.164	0	0	10.82	0	0	0	0	4.74	0.478	5.527

Junctions SWMM 25-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
MASJ1119	2.2	3.92	1319.34	4/13/2017 13:35	3.92	0	62.2	0	2.82	-0.485	0	0	7.08	0	0	0	0	41.53	2.987	1.498
MASJ112	0	0.13	1330.52	4/13/2017 11:57	0.13	0	6.75	0	0.046	-4.87	0	0	7.87	0	0	0	0	8	1.566	0.844
MASJ114	0.05	0.39	1318.03	4/13/2017 11:55	0.39	42.33	91.12	0.683	1.53	-0.161	0	0	18.61	0	0	0	0	13.83	3.044	6.589
MASJ1141	1.37	2.7	1318.7	4/13/2017 13:48	2.7	53.04	83.25	0.941	4.45	1.832	0	0	7.3	0	0	0	0	55.92	4.959	1.489
MASJ116	0.06	0.51	1301.12	4/13/2017 11:56	0.51	0	90.43	0	1.53	-0.335	0	0	12.49	0	0	0	0	13.83	3.044	6.539
MASJ1161	0.37	1.96	1326.31	4/13/2017 12:13	1.96	0	83.25	0	1.55	-7.122	0	0	12.04	0	0	0	0	17.81	0.868	4.674
MASJ117	0.04	0.48	1329.22	4/13/2017 11:55	0.48	13.72	13.72	0.207	0.207	-0.151	0	0	8.52	0	0	0	0	1.92	0.307	7.146
MASJ1171	0.01	0.32	1326.3	4/13/2017 12:13	0.32	0	32.68	0	0.457	-0.183	0	0	7.68	0	0	0	0	17.81	0.868	1.835
MASJ119	0.42	1.27	1325.07	4/13/2017 12:01	1.27	0	23.01	0	1.74	-0.391	0	0	7.73	0	0	0	0	23.2	1.538	0.992
MASJ121	0.14	0.58	1324.33	4/13/2017 12:02	0.58	0	22.41	0	1.75	-0.251	0	0	7.42	0	0	0	0	23.2	1.538	0.966
MASJ122	0.24	1.22	1317.22	4/13/2017 12:02	1.22	26.34	49.3	0.424	2.32	-0.368	0	0	8.78	0	0	0	0	30.78	1.792	1.602
MASJ124	0.44	1.98	1316	4/13/2017 12:06	1.98	0	464.75	0	16.1	-0.088	0	0	11.02	0	0	0	0	241.71	9.782	1.923
MASJ126	0.07	0.87	1327.87	4/13/2017 11:57	0.87	16.49	30.03	0.232	0.438	-0.484	0	0	8.13	0	0	0	0	4.31	0.446	6.968
MASJ127	0.15	1.46	1327.46	4/13/2017 11:58	1.46	25.07	53.57	0.341	0.781	-0.358	0	0	7.54	0	0	0	0	7.96	0.533	6.73
MASJ128	0.12	1.65	1327.35	4/13/2017 11:58	1.65	0	53.44	0	0.784	-0.183	0	0	7.35	0	0	0	0	7.96	0.533	6.714
MASJ129	0.11	0.91	1326.45	4/13/2017 12:00	0.91	16.03	31.75	0.237	0.785	-0.231	0	0	8.09	0	0	0	0	10.44	0.652	3.041
MASJ130	0.31	1.89	1326.19	4/13/2017 12:08	1.89	25.77	25.77	0.422	1.63	-0.192	0	0	7.11	0	0	0	0	21.93	1.36	1.175
MASJ132	0.4	2.14	1326.19	4/13/2017 12:08	2.14	0	19.13	0	1.6	-0.279	0	0	6.86	0	0	0	0	21.93	1.36	0.872
MASJ133	0.31	1.19	1325.19	4/13/2017 12:00	1.19	9.03	23.75	0.134	1.74	-0.348	0	0	7.81	0	0	0	0	23.2	1.538	1.024
MASJ135	0.04	0.33	1327.16	4/13/2017 11:55	0.33	11.71	11.71	0.144	0.144	-1.351	0	0	9.67	0	0	0	0	5.78	0.532	2.026
MASJ1351	0.01	0.07	1325.73	4/13/2017 0:00	0.07	0	0	0	0	-99.98	0	0	11.93	0	0	0	0	7.96	0.533	0
MASJ1352	0.01	0.48	1325.4	4/13/2017 12:00	0.48	0	37.67	0	0.238	3.673	0	0	9.52	0	0	0	0	7.96	0.533	4.732
MASJ136	0.01	0.07	1325.7	4/13/2017 0:00	0.06	0	0	0	0	-99.981	0	0	8.93	0	0	0	0	12.31	0.763	0
MASJ1361	0.17	0.71	1319.71	4/13/2017 12:01	0.71	0	27.96	0	1.87	-0.724	0	0	7.29	0	0	0	0	24.3	1.614	1.151
MASJ1362	0	0.05	1325.51	4/13/2017 0:00	0.04	0	0	0	0	-99.776	0	0	6.95	0	0	0	0	23.2	1.538	0
MASJ137	0.15	0.68	1317.31	4/13/2017 12:03	0.68	0	28.34	0	1.88	-0.513	0	0	7.32	0	0	0	0	24.3	1.614	1.166
MASJ140	5.07	17.37	1251.37	4/13/2017 15:27	17.37	13.86	46923.28	0.135	6010	0.014	0	0	11.63	0	0	0	0	4013.66	315.389	11.691
MASJ1801	0.1	0.55	1331.26	4/13/2017 11:55	0.55	23.77	56.98	0.326	0.888	-0.467	0	0	21.45	0	0	0	0	8	1.566	7.122
MASJ1803	0.04	0.33	1302.98	4/13/2017 12:00	0.33	28.94	54.97	0.537	0.911	-1.161	0	0	9.67	0	0	0	0	16.41	2.581	3.35
MASJ1848	0.12	0.76	1288.59	4/13/2017 11:59	0.76	0	88.16	0	1.54	-0.268	0	0	20.24	0	0	0	0	13.83	3.044	6.375
MASJ2123	0.17	1.71	1347.71	4/13/2017 11:58	1.71	0	229.79	0	3.19	-0.186	0	0	30.29	0	0	0	0	33.5	4.922	6.859
MASJ2149	0.09	0.99	1354.62	4/13/2017 11:57	0.99	29.35	229.93	0.41	3.18	-0.084	0	0	31.01	0	0	0	0	33.5	4.922	6.864
MASJ2187	0.24	1.48	1364.03	4/13/2017 11:57	1.48	47.24	206.3	0.63	2.76	-0.368	0	0	19.52	0	0	0	0	29.1	4.329	7.089
MASJ2191	0.16	2.97	1385.63	4/13/2017 11:55	2.86	43.68	43.68	0.6	0.6	-0.013	0	0	6.03	0	0	0	0	6.1	1.352	7.161
MASJ2703	0.07	0.62	1372.09	4/13/2017 11:55	0.62	52.28	161.83	0.615	2.12	-0.498	0	0	22.38	0	0	0	0	21.63	3.631	7.482
MASJ2769	0.1	0.47	1319.34	4/13/2017 13:32	0.47	0	45.71	0	1.71	-0.294	0	0	12.53	0	0	0	0	31.78	2.037	1.438
MASJ2814	0.08	0.53	1323.53	4/13/2017 12:17	0.53	8.4	33.38	0.107	0.566	-0.788	0	0	9.47	0	0	0	0	24.21	1.67	1.379
MASJ2948	0.22	2.76	1255.76	4/13/2017 12:02	2.76	73.05	645.25	1.03	9.59	-0.139	0	0	12.24	0	0	0	0	115.15	18.17	5.604
MASJ3041	10.44	26.11	1249.61	4/13/2017 15:35	26.11	24.41	46854.99	0.232	5960	0.018	0	0	24.89	0	0	0	0	4058.5	317.96	11.545
MASJ888	0.05	0.31	1322.19	4/13/2017 12:17	0.31	12.16	35.76	0.171	0.741	0.692	0	0	9.69	0	0	0	0	25.95	1.79	1.378
MASJ916	0.02	0.37	1324.37	4/13/2017 12:15	0.37	0	32.67	0	0.458	-0.321	0	0	8.63	0	0	0	0	23.2	1.538	1.408
MASJ929	0.13	0.62	1319.55	4/13/2017 11:57	0.62	0	11.35	0	0.146	-2.645	0	0	12.38	0	0	0	0	5.78	0.532	1.964
MASJ95	0.03	0.5	1381.05	4/13/2017 11:55	0.5	0	70.81	0	0.902	-0.138	0	0	20.5	0	0	0	0	9.01	1.501	7.859
PostOakIntoCity	1.37	5.06	1313.06	4/13/2017 13:30	5.06	5820.8	5820.8	478	478	0.004	0	0	20.94	0	0	0	0	0	0	0
J908	0.22	1.01	1347.03	4/13/2017 12:00	1.01	93.95	93.95	1.83	1.83	-1.179	0	0	22.99	0	0	0	0	17.87	2.405	5.257
J149	0.23	2.08	1337.08	4/13/2017 12:07	2.08	0	92.21	0	1.85	1.136	0	0	21.92	0	0	0	0	17.87	2.405	5.16
MAS78_DS	3.09	3.96	1352.96	4/13/2017 11:58	3.96	0	93.57	0	1.08	-0.993	0	0	46.04	0	0	0	0	14.67	0.767	6.378
J73	0.22	1.5	1305.5	4/13/2017 12:19	1.5	65.16	206.27	0.879	7.14	-0.378	0	0	12.5	0	0	0	0	77.13	4.449	2.674
1	0.04	0.28	1311.87	4/13/2017 12:00	0.28	0	16.45	0	0.195	-0.281	0	0	10.72	0	0	0	0	3.62	0.022	4.544
3	0.05	0.36	1306.03	4/13/2017 12:00	0.36	20.18	36.39	0.247	0.442	-0.433	0	0	10.64	0	0	0	0	7.14	0.022	5.097
J72	0.61	4.93	1311.93	4/13/2017 12:16	4.93	43.96	182.22	0.575	5.81	-0.083	0	0	11.07	0	0	0	0	63.54	3.179	2.868
J2828	4.26	14.94	1264.26	4/13/2017 15:14	14.66	0	46586.21	0	5370	0.015	0	0	39.06	0	0	0	0	1458.2	102.249	31.948
J2780	4.83	15.71	1264.21	4/13/2017 15:14	15.62	0	51047.12	0	5370	0.017	0	0	13.29	0	0	0	0	1458.2	102.249	35.007
MAS42	0.45	2.91	1350.91	4/13/2017 12:00	2.91	17.95	117.47	0.255	1.98	0.103	0	0	8.09	0	0	0	0	22.67	1.802	5.182

Junctions SWMM 50-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
AmmanLWCDS	0.17	1.27	1362.72	4/13/2017 12:10	1.27	0	935.39	0	13.1	-10.781	0	0	23.73	0	0	0	0	256.244	4.15	3.65
AmmanLWCUS	0.05	0.8	1362.8	4/13/2017 12:00	0.8	936.18	936.18	13	13.1	-0.006	0	0	8.2	0	0	0	0	256.244	4.15	3.653
BalcIntoCity	4.17	12.33	1292.33	4/13/2017 15:49	12.33	19347.92	19347.92	2570	2570	0.029	0	0	22.67	0	0	0	0	0	0	0
CibIntoCity	8.49	18.47	1294.47	4/13/2017 14:30	18.47	38883.95	38883.95	5550	5550	0.024	0	0	23.53	0	0	0	0	5.04	0	7715.069
F1	0.28	1.75	1341.69	4/13/2017 12:08	1.75	0	278.77	0	7.59	-0.055	0	0	12.25	0	0	0	0	55.08	4.06	5.061
f14	0.79	3.42	1369.42	4/13/2017 12:02	3.42	0	76.39	0	1.54	-0.29	0	0	5.58	0	0	0	0	11.35	0.809	6.73
f15	0.09	0.62	1366.39	4/13/2017 12:02	0.62	0	68.32	0	1.54	-0.277	0	0	8.38	0	0	0	0	11.35	0.809	6.019
F3	1.01	3.94	1350.94	4/13/2017 12:04	3.94	0	195.57	0	4.32	-0.898	0	0	9.06	0	0	0	0	32.1	1.839	6.093
F4	0.16	0.87	1346.7	4/13/2017 12:04	0.87	0	191.2	0	4.36	-0.024	0	0	8.13	0	0	0	0	32.1	1.839	5.956
f5	0.56	2.78	1363.32	4/13/2017 12:03	2.78	0	68.26	0	1.55	-0.123	0	0	6.22	0	0	0	0	11.35	0.809	6.014
f6	0.13	0.59	1359.91	4/13/2017 12:04	0.59	0	67.2	0	1.55	-0.237	0	0	10.41	0	0	0	0	11.35	0.809	5.921
f7	0.8	2.92	1358.92	4/13/2017 12:06	2.92	0	67.03	0	1.55	-0.722	0	0	8.08	0	0	0	0	11.35	0.809	5.906
f8	0.07	0.47	1355.91	4/13/2017 12:07	0.47	0	61.32	0	1.57	-0.189	0	0	9.53	0	0	0	0	11.35	0.809	5.403
f9	0.13	0.52	1347.7	4/13/2017 12:08	0.52	0	60.63	0	1.57	-0.559	0	0	9.48	0	0	0	0	11.35	0.809	5.342
GR1	0.36	1.23	1374.23	4/13/2017 11:57	1.23	0	187.12	0	2.38	-1.376	0	0	17.77	0	0	0	0	22.85	2.809	8.189
GR10	0.58	6.9	1291.08	4/13/2017 12:00	6.9	0	882.6	0	14.2	0.703	0	0	12.1	0	0	0	0	101.24	8.943	8.718
GR11	0.51	5.35	1344.35	4/13/2017 11:56	5.35	0	120.53	0	1.87	-0.345	0	0	21.65	0	0	0	0	13.01	1.687	9.264
GR12	0.36	2.62	1279.62	4/13/2017 12:01	2.61	0	1200.25	0	38.2	-0.018	0	0	19.38	0	0	0	0	273.04	25.157	4.396
GR13	1.03	7.36	1285.36	4/13/2017 12:00	7.34	0	1211.23	0	38.2	-0.087	0	0	12.64	0	0	0	0	273.04	25.157	4.436
gr14	0.35	3.69	1300.69	4/13/2017 12:10	3.68	39.35	890.69	0.57	30.4	0.011	0	0	20.31	0	0	0	0	219.11	18.599	4.065
gr15	0.85	3.44	1298.81	4/13/2017 12:11	3.44	0	889.99	0	30.4	-0.059	0	0	13.56	0	0	0	0	219.11	18.599	4.062
gr16	0.32	2.6	1295.6	4/13/2017 12:00	2.59	56.4	1021.71	0.771	34.7	-0.006	0	0	22.4	0	0	0	0	248.91	22.713	4.105
gr17	0.45	3.66	1295.66	4/13/2017 11:59	3.66	0	1034.12	0	34.7	-0.009	0	0	21.34	0	0	0	0	248.91	22.713	4.155
gr18	0.55	2.83	1293.83	4/13/2017 12:00	2.82	0	1027.59	0	34.7	-0.026	0	0	21.17	0	0	0	0	248.91	22.713	4.128
gr19	1.06	3.75	1292.95	4/13/2017 12:00	3.75	0	1022.34	0	34.7	-0.053	0	0	20.25	0	0	0	0	248.91	22.713	4.107
gr20	0.38	2.07	1290.37	4/13/2017 12:00	2.07	0	1021.34	0	34.7	-0.018	0	0	21.93	0	0	0	0	248.91	22.713	4.103
gr21	0.41	2.69	1290.09	4/13/2017 12:00	2.69	117.46	1121.29	1.73	36.5	-0.048	0	0	23.31	0	0	0	0	261.54	23.729	4.287
GR4	1.75	3.41	1347.41	4/13/2017 11:58	3.41	0	482.94	0	6.22	-0.405	0	0	34.59	0	0	0	0	58.76	7.319	8.219
GR5	0.17	2.23	1344.32	4/13/2017 11:59	2.23	0	482.73	0	6.24	-0.134	0	0	10.77	0	0	0	0	58.76	7.319	8.215
GR7	0.2	2.25	1315.29	4/13/2017 12:01	2.25	98.83	868	1.43	12.4	-0.008	0	0	14.75	0	0	0	0	113.07	16.258	7.677
GR8	0.45	3.63	1317.63	4/13/2017 12:01	3.63	0	802.96	0	10.9	-0.086	0	0	11.37	0	0	0	0	102.56	13.732	7.829
GR9	0.23	2.28	1320.7	4/13/2017 12:01	2.28	0	816.34	0	10.9	-0.197	0	0	12.72	0	0	0	0	102.56	13.732	7.96
J_0406_3	0.14	0.91	1261.85	4/13/2017 12:00	0.91	0	155.64	0	2.7	-0.895	0	0	24.09	0	0	0	0	19.23	2.117	8.094
J1	0.27	3.57	1373.4	4/13/2017 11:58	3.57	33.65	248.13	0.486	3.66	-0.06	0	0	32.43	0	0	0	0	50.69	6.821	4.895
J10	0.2	1.3	1282.41	4/13/2017 12:11	1.3	0	98.6	0	1.98	-0.046	0	0	9.7	0	0	0	0	21.19	2.268	4.653
J100	0.04	0.45	1292.34	4/13/2017 12:13	0.45	0	215.84	0	4.63	-0.911	0	0	66.55	0	0	0	0	48.41	1.547	4.459
J1000	0.1	0.5	1294.27	4/13/2017 12:05	0.5	33.79	74.69	0.558	2.22	-0.651	0	0	9.5	0	0	0	0	20.49	0.368	3.645
J1004	0.08	0.88	1305.96	4/13/2017 12:00	0.88	69.29	139.25	1.12	2.29	-0.554	0	0	19.12	0	0	0	0	18.35	0.87	7.589
J101	0.32	1.02	1319.02	4/13/2017 13:42	1.02	26.47	38.59	0.471	0.904	-4.683	0	0	8.98	0	0	0	0	4.88	0.835	7.908
J1012	0.34	2.13	1297.54	4/13/2017 12:06	2.13	41.35	692.66	0.58	24.1	-0.289	0	0	37.87	0	0	0	0	247.57	9.943	2.798
J1016	0.08	0.7	1304.7	4/13/2017 12:03	0.7	0	159.34	0	2.37	-0.656	0	0	18.3	0	0	0	0	24.07	1.511	6.62
J102	0.05	0.75	1309.75	4/13/2017 12:03	0.75	278.58	298.44	3.28	3.83	-0.915	0	0	64.25	0	0	0	0	40.12	1.4	7.439
J1023	0.07	0.76	1301.12	4/13/2017 12:00	0.76	131.43	131.43	2.45	2.45	-0.296	0	0	9.24	0	0	0	0	18.28	1.363	7.19
J1027	0.41	3.07	1324.07	4/13/2017 12:25	3.07	106.43	319.4	1.89	9.28	0.239	0	0	8.93	0	0	0	0	67.92	5.397	4.703
J1031	0.13	1	1309.59	4/13/2017 11:55	1	45.5	219.62	0.615	3.28	-0.377	0	0	23	0	0	0	0	23.52	2.333	9.338
J1033	0.13	0.58	1298.58	4/13/2017 12:04	0.58	48.18	163.61	0.882	3.2	-0.375	0	0	14.42	0	0	0	0	25.09	1.179	6.521
J1037	0.46	1.22	1300.41	4/13/2017 12:00	1.22	72.53	201.4	1.69	4.15	-0.58	0	0	9.78	0	0	0	0	36.4	2.65	5.533
J104	3.3	4.81	1312.66	4/13/2017 12:14	4.8	94.46	229.84	1.33	2.16	61.78	0	0	23.19	0	0	0	0	15.04	1.925	15.282
J1043	0.1	0.86	1337.63	4/13/2017 12:00	0.86	179.44	179.44	3.01	3.01	-0.062	0	0	18.14	0	0	0	0	23.4	0.423	7.668
J1045	0.07	0.84	1298.18	4/13/2017 12:02	0.84	61.75	252.71	0.931	5.1	-0.122	0	0	12.16	0	0	0	0	43.7	2.65	5.783
J1047	0.15	1.04	1291.04	4/13/2017 12:02	1.04	28.28	218.28	0.382	4.52	-0.365	0	0	13.96	0	0	0	0	35.14	0.809	6.212
J1049	0.09	0.77	1321.95	4/13/2017 11:55	0.76	175.95	175.95	2.67	2.67	-0.04	0	0	23.23	0	0	0	0	19.02	2.028	9.251
J1053	0.09	0.53	1299.34	4/13/2017 12:05	0.53	46.38	181.62	0.81	3.19	-1.505	0	0	12.47	0	0	0	0	29.96	2.065	6.062
J106	0.25	1.27	1312.66	4/13/2017 12:16	1.26	176.72	198.31	2.72	4.06	0.803	0	0	26.73	0	0	0	0	38.73	4.016	5.12
J1060	0.08	0.31	1311.91	4/13/2017 12:45	0.31	0	180.01	0	14.3	0.005	0	0	44.69	0	0	0	0	123.84	10.356	1.454
J1069	0.04	0.28	1296.08	4/13/2017 12:00	0.28	27.5	27.5	0.635	0.635	-0.633	0	0	12.72	0	0	0	0	4.91	0.289	5.601
J107	0.17	0.66	1329.66	4/13/2017 12:11	0.66	0	80.44	0	2.86	-0.102	0	0	24.34	0	0	0	0	20.48	2.44	3.928
J1074	0.11	0.86	1290.2	4/13/2017 12:13	0.86	0	72.97	0	2.23	0.023	0	0	12.14	0	0	0	0	20.49	0.368	3.561

Junctions SWMM 50-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J108	0.21	0.77	1334.13	4/13/2017 12:08	0.77	0	74.4	0	2.52	-0.005	0	0	9.23	0	0	0	0	17.87	2.405	4.163
J1083	0.08	0.92	1320.02	4/13/2017 12:00	0.92	50.83	227.87	0.803	3.81	-0.329	0	0	22.08	0	0	0	0	29.26	0.902	7.788
J1085	0.07	0.56	1308.56	4/13/2017 12:04	0.56	34.64	73.75	0.592	2.26	-0.803	0	0	15.44	0	0	0	0	16.26	1.755	4.536
J109	0.09	0.75	1312.01	4/13/2017 12:00	0.75	140.26	175.45	1.78	4.97	-0.461	0	0	30.25	0	0	0	0	57.55	4.171	3.049
J1093	0.11	0.65	1307.67	4/13/2017 12:00	0.65	54.54	54.54	0.968	0.968	-1.419	0	0	15.35	0	0	0	0	7.23	0.48	7.544
J1095	0.02	0.29	1291.69	4/13/2017 12:01	0.29	39.14	54.56	0.658	0.945	-5.308	0	0	13.71	0	0	0	0	7.36	0.133	7.413
J11	4.96	14.8	1291.8	4/13/2017 15:50	14.8	93.79	19332.85	1.3	2570	0.058	0	0	21.2	0	0	0	0	20.28	0.046	953.296
J110	0.29	2.85	1333.85	4/13/2017 12:10	2.85	25.61	87.51	0.34	2.86	-0.029	0	0	7.15	0	0	0	0	20.48	2.44	4.273
J1100	0.04	0.29	1293.29	4/13/2017 12:01	0.29	19.84	46.45	0.432	1.07	-0.915	0	0	12.71	0	0	0	0	8.43	0.289	5.51
J1102	0.11	0.53	1286.14	4/13/2017 12:06	0.53	74.47	115.43	1.29	2.7	-1.055	0	0	11.47	0	0	0	0	21.1	0.504	5.471
J1104	3.64	8.78	1287.93	4/13/2017 13:34	8.78	86.63	7459.1	0.761	751	0.034	0	0	38.22	0	0	0	0	597.72	24.663	12.479
J1106	0.84	3.23	1287.38	4/13/2017 13:11	3.23	0	935.25	0	73.1	0.01	0	0	17.77	0	0	0	0	1456.34	32.095	0.642
J1110	4.09	10.8	1291.8	4/13/2017 13:33	10.8	190.61	7460.45	2.52	750	0.038	0	0	36.2	0	0	0	0	588.3	24.617	12.681
J1112	0.36	4.71	1317.71	4/13/2017 12:00	4.71	0	226.73	0	3.82	0.036	0	0	18.29	0	0	0	0	29.26	0.902	7.749
J1117	0.08	0.69	1286.69	4/13/2017 12:01	0.69	45.84	85.29	0.669	2.9	-1.062	0	0	13.31	0	0	0	0	25.72	0.368	3.316
J112	6.61	18.34	1252.14	4/13/2017 15:29	18.34	17.38	56897.54	0.219	8930	0.02	0	0	11.66	0	0	0	0	4030.57	317.402	14.116
J1121	0.17	0.65	1319.7	4/13/2017 12:00	0.65	53.89	53.89	0.834	0.834	-2.055	0	0	17.35	0	0	0	0	6.42	0.138	8.394
J113	0.22	1.11	1322.05	4/13/2017 11:55	1.11	76.96	76.96	1.16	1.16	-0.364	0	0	7.89	0	0	0	0	8.41	0.726	9.151
J1133	0.07	0.4	1292.64	4/13/2017 12:01	0.4	16.04	59.44	0.265	1.35	-1.014	0	0	12.6	0	0	0	0	10.43	0.387	5.699
J1138	6.27	14.2	1287.66	4/13/2017 14:32	14.2	140.64	39022.9	1.8	5580	0.047	0	0	33.8	0	0	0	0	417.98	22.75	93.361
J1140	0.08	0.6	1282.71	4/13/2017 12:08	0.6	0	100.09	0	2.73	-1.227	0	0	12.4	0	0	0	0	21.1	0.504	4.744
J1143	6.05	14.65	1288.9	4/13/2017 14:31	14.65	58.52	39023.25	0.765	5580	0.038	0	0	29.35	0	0	0	0	401.95	21.079	97.085
J1149	0.63	2.5	1284.59	4/13/2017 13:12	2.5	25.73	936.94	0.476	73.5	0.023	0	0	18.5	0	0	0	0	1460.15	32.095	0.642
J115	0.13	0.65	1319.4	4/13/2017 11:59	0.65	33.88	107.75	0.59	1.75	0.01	0	0	20.35	0	0	0	0	12.62	1.214	8.538
J1151	0.13	1.51	1293.51	4/13/2017 12:00	1.51	35.03	284.74	0.535	4.82	-0.062	0	0	24.49	0	0	0	0	36.15	1.864	7.877
J1153	0.02	0.35	1289.35	4/13/2017 12:00	0.35	44.67	44.67	0.496	0.496	-1.172	0	0	15.65	0	0	0	0	9.19	0	4.861
J1155	0.85	3.84	1283.85	4/13/2017 13:16	3.84	21.85	938.76	0.308	74.9	0.005	0	0	13.16	0	0	0	0	1470.98	32.095	0.638
J1157	0.04	0.5	1316.51	4/13/2017 12:02	0.5	48.55	75.92	0.969	1.44	-1.577	0	0	12.5	0	0	0	0	10.98	0.546	6.914
J116	0.33	4.2	1263.2	4/13/2017 12:01	4.2	0	278.91	0	4.92	-0.001	0	0	19.8	0	0	0	0	50.9	4.137	5.48
J1161	0.27	1.38	1287.63	4/13/2017 12:17	1.38	14.92	314.27	0.27	10.6	-0.055	0	0	18.62	0	0	0	0	109.77	3.918	2.863
J1163	0.09	0.87	1294.93	4/13/2017 11:55	0.87	102.69	102.69	1.58	1.58	-0.716	0	0	21.13	0	0	0	0	11.44	1.002	8.976
J1168	0.06	0.45	1314.45	4/13/2017 12:08	0.45	26.57	86.47	0.744	2.21	-0.569	0	0	35.55	0	0	0	0	18.24	1.619	4.741
J117	0.07	0.89	1258.01	4/13/2017 12:04	0.89	0	278.62	0	4.92	-8.547	0	0	25.11	0	0	0	0	50.9	4.137	5.474
J1170	0.12	0.87	1310.87	4/13/2017 12:02	0.87	0	184.45	0	3.48	-0.869	0	0	22.13	0	0	0	0	25.95	1.273	7.108
J1178	0.68	3.06	1284.06	4/13/2017 13:15	3.06	70.16	940.17	1.07	74.6	0.006	0	0	13.94	0	0	0	0	1468.58	32.095	0.64
J1182	0.04	0.43	1317.01	4/13/2017 12:00	0.43	27.63	27.63	0.467	0.467	-0.813	0	0	12.57	0	0	0	0	3.68	0.028	7.508
J1185	0.69	2.33	1277.33	4/13/2017 13:21	2.33	46.88	972.1	0.649	82.4	0.002	0	0	24.67	0	0	0	0	1532.58	32.968	0.634
J1190	8.15	18.72	1287.72	4/13/2017 14:32	18.72	143.42	39020.93	1.97	5580	0.073	0	0	30.28	0	0	0	0	435	23.363	89.703
J1192	1.14	5.73	1315.62	4/13/2017 12:00	5.73	161.19	209.94	2.61	3.46	-0.408	0	0	12.27	0	0	0	0	25.95	1.273	8.09
J1197	0.13	0.87	1285.93	4/13/2017 12:15	0.87	62.29	211.61	1.09	5.7	-0.818	0	0	13.13	0	0	0	0	49.09	2.452	4.311
J1199	0.52	1.94	1276.26	4/13/2017 13:21	1.94	0	972.08	0	82.4	0.009	0	0	29.06	0	0	0	0	1532.58	32.968	0.634
J12	0.22	3.05	1286.05	4/13/2017 12:06	3.05	0	156.62	0	2.01	1.202	0	0	8.95	0	0	0	0	21.19	2.268	7.391
J120	2	3.2	1275.2	4/13/2017 12:20	3.2	0	470.26	0	19	-0.045	0	0	8.8	0	0	0	0	177.14	7.223	2.655
J1203	0.1	0.8	1341.52	4/13/2017 12:00	0.8	112.63	112.63	1.72	1.72	-0.516	0	0	18.2	0	0	0	0	17.55	0	6.418
J121	0.21	1.4	1273.62	4/13/2017 12:21	1.4	0	470.15	0	19	-0.029	0	0	10.6	0	0	0	0	177.14	7.223	2.654
J1212	0.07	0.64	1289.76	4/13/2017 12:00	0.64	54.9	54.9	0.922	0.922	-0.856	0	0	10.36	0	0	0	0	7.08	0.228	7.754
J122	0.24	1.12	1272.12	4/13/2017 12:03	1.12	0	258.93	0	5.98	-3.964	0	0	13.88	0	0	0	0	44.12	4.437	5.869
J1223	2.25	7.1	1284.35	4/13/2017 13:38	7.1	66.42	7455.48	0.739	751	0.03	0	0	20.9	0	0	0	0	618.01	24.663	12.064
J1227	0.06	0.61	1289.55	4/13/2017 12:00	0.61	113.37	113.37	1.91	1.91	-0.423	0	0	12.39	0	0	0	0	15.03	1.204	7.543
J123	2.08	5.53	1262.6	4/13/2017 12:29	5.53	39	2007.64	0.567	136	0.179	0	0	14.47	0	0	0	0	1990.45	52.764	1.009
J1232	0.03	0.4	1278.39	4/13/2017 12:01	0.4	31.19	225.8	0.413	4.42	-0.752	0	0	10.6	0	0	0	0	34.29	1.802	6.585
J1234	0.2	1.61	1295.45	4/13/2017 12:32	1.61	129.84	285.35	2.19	5.74	-0.261	0	0	21.39	0	0	0	0	42.42	2.148	6.727
J1236	2.82	8.11	1284.11	4/13/2017 13:39	8.11	0	7450.02	0	751	0.022	0	0	19.89	0	0	0	0	618.01	24.663	12.055
J1238	0.07	0.39	1330.39	4/13/2017 12:00	0.39	44.48	44.48	0.757	0.757	-0.919	0	0	18.61	0	0	0	0	6.01	0	7.401
J1240	0.06	0.47	1279.1	4/13/2017 12:00	0.47	95.45	95.45	1.61	1.61	-0.858	0	0	15.53	0	0	0	0	13.02	0.028	7.331
J1242	0.07	0.32	1310.86	4/13/2017 11:55	0.32	24.07	24.07	0.369	0.369	-0.156	0	0	7.68	0	0	0	0	3.13	0.756	7.69
J1245	0.06	0.84	1323.84	4/13/2017 12:00	0.84	94.98	303.93	1.67	5.23	-0.199	0	0	13.16	0	0	0	0	44.22	0.646	6.873
J1249	0.26	1.76	1312.88	4/13/2017 12:11	1.76	26.86	249.64	0.437	7.3	-0.106	0	0	15.24	0	0	0	0	57.98	2.554	4.306

Junctions SWMM 50-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J125	0.56	2.04	1269.78	4/13/2017 12:24	2.04	0	173.01	0	3.4	2.534	0	0	8.96	0	0	0	0	25.68	0.026	6.737
J1255	9.55	20.27	1287.39	4/13/2017 14:33	20.27	63.1	39013.93	0.597	5570	0.111	0	0	31.73	0	0	0	0	441.33	23.472	88.401
J1259	0.01	0.15	1314.65	4/13/2017 12:00	0.15	19.76	19.76	0.375	0.375	-0.404	0	0	9.85	0	0	0	0	3.74	0.28	5.283
J1269	0.12	0.74	1282.35	4/13/2017 12:01	0.74	70.32	204.35	1.15	4	-0.252	0	0	10.26	0	0	0	0	30.83	1.802	6.628
J1271	6.95	16.97	1280.97	4/13/2017 14:37	16.97	77.24	39000.19	1.07	5570	0.08	0	0	38.03	0	0	0	0	590.85	33.302	66.007
J1279	1.52	5.11	1275.11	4/13/2017 12:21	5.11	29.72	1179.07	0.26	94.5	0.003	0	0	20.89	0	0	0	0	1634.32	37.221	0.721
J1283	1.97	5.54	1275.08	4/13/2017 12:21	5.54	30.5	1173.05	0.404	94.9	-0.003	0	0	27.46	0	0	0	0	1637.95	37.221	0.716
J1285	0.49	3.56	1295.44	4/13/2017 12:31	3.55	39.78	298.87	0.656	6.41	0.138	0	0	15.44	0	0	0	0	47.1	2.716	6.345
J1287	10.33	20.97	1287.18	4/13/2017 14:33	20.97	130.63	39007.6	1.67	5570	0.11	0	0	41.03	0	0	0	0	456.3	23.87	85.487
J1289	0.1	0.55	1311.57	4/13/2017 12:00	0.55	114.24	151.6	1.69	2.45	-0.451	0	0	9.45	0	0	0	0	23.66	3.343	6.407
J1291	7	16.89	1280.39	4/13/2017 14:37	16.89	30.19	38994.08	0.4	5560	0.04	0	0	38.11	0	0	0	0	594.66	33.302	65.574
J1293	0.06	0.38	1314.38	4/13/2017 12:01	0.38	26.87	44.81	0.375	0.752	-0.973	0	0	9.62	0	0	0	0	7.06	0.861	6.347
J1295	0.14	0.54	1290.22	4/13/2017 12:00	0.54	29.53	96.98	0.518	7.53	-0.051	0	0	18.46	0	0	0	0	56.32	4.431	1.722
J1297	2.6	8.52	1282.52	4/13/2017 13:42	8.52	73.74	7443.21	0.796	752	0.03	0	0	9.48	0	0	0	0	628.7	25.017	11.839
J1299	0.19	0.75	1283.75	4/13/2017 12:02	0.75	60.57	152.27	0.8	8.34	-1.88	0	0	24.25	0	0	0	0	68.95	5.012	2.208
J13	0.11	0.89	1376.97	4/13/2017 12:01	0.88	45.82	153.89	0.647	2.65	-0.56	0	0	16.11	0	0	0	0	19.07	3.526	8.07
J1301	1.33	4.8	1269.86	4/13/2017 12:23	4.8	79.88	1220.41	1.21	98.2	0.005	0	0	20.2	0	0	0	0	1666.89	37.553	0.732
J1305	0.19	1.33	1299.33	4/13/2017 12:00	1.33	82.83	232.31	1.04	3.88	-0.14	0	0	16.67	0	0	0	0	36.12	5.958	6.432
J1307	0.15	1.11	1295.92	4/13/2017 12:00	1.1	39.8	251.37	0.522	4.4	-0.09	0	0	24.89	0	0	0	0	40.66	6.974	6.182
J1309	0.08	0.66	1314.28	4/13/2017 12:00	0.66	30.48	95.12	0.435	1.46	-0.494	0	0	20.34	0	0	0	0	13.41	0	7.093
J131	0.12	0.58	1266.43	4/13/2017 12:22	0.58	65.61	87.78	1.21	4.52	-0.565	0	0	22.42	0	0	0	0	34.94	0.603	2.512
J1316	2.53	7.98	1281.01	4/13/2017 13:42	7.98	33.09	7419.44	0.356	752	0.02	0	0	12.02	0	0	0	0	633.8	25.017	11.706
J1318	0.04	0.49	1318	4/13/2017 12:00	0.49	17.08	65.83	0.281	1.02	-0.721	0	0	20.51	0	0	0	0	9.44	0	6.974
J1324	1.19	5.14	1305.16	4/13/2017 12:31	5.14	0	244.88	0	9.93	-0.424	0	0	13.86	0	0	0	0	77.13	4.449	3.175
J133	0.09	0.75	1297.45	4/13/2017 12:06	0.75	0	160.29	0	3.21	-0.218	0	0	23.25	0	0	0	0	25.09	1.179	6.389
J1330	0.48	4.16	1305.16	4/13/2017 12:31	4.16	0	294.56	0	9.96	0.28	0	0	13.84	0	0	0	0	77.13	4.449	3.819
J1332	0.11	1.04	1290.66	4/13/2017 12:00	1.04	30.27	270.51	0.303	4.71	-0.072	0	0	32.96	0	0	0	0	43.69	7.472	6.192
J1334	0.09	0.94	1288.05	4/13/2017 12:00	0.94	0	270.01	0	4.72	-0.051	0	0	33.06	0	0	0	0	43.69	7.472	6.18
J1336	0.02	0.43	1326.82	4/13/2017 12:00	0.43	49.48	49.48	0.733	0.733	-0.396	0	0	17.57	0	0	0	0	7.22	0	6.853
J1344	7.28	17.34	1279.38	4/13/2017 14:40	17.34	30.09	38986.4	0.296	5560	0.041	0	0	26.66	0	0	0	0	610.86	34.495	63.822
J1346	0.04	0.59	1290.22	4/13/2017 12:00	0.59	68.97	68.97	0.956	0.956	-3.253	0	0	16.41	0	0	0	0	8.77	0.128	7.864
J135	0.06	0.62	1296.11	4/13/2017 12:02	0.62	0	354.48	0	6.91	-0.958	0	0	29.38	0	0	0	0	81.12	2.737	4.37
J1350	7.35	17	1279.73	4/13/2017 14:38	17	90.42	38991.19	1.23	5560	0.037	0	0	30	0	0	0	0	606.05	34.471	64.337
J1354	0.27	1.39	1286.39	4/13/2017 12:00	1.39	105.63	356.11	1.13	5.85	-0.097	0	0	32.61	0	0	0	0	56.35	9.165	6.32
J1358	0.04	0.64	1312.64	4/13/2017 12:00	0.64	36.54	130.97	0.606	2.07	-0.134	0	0	21.36	0	0	0	0	18.21	0	7.192
J1362	0.05	0.33	1286.16	4/13/2017 12:00	0.33	24.95	24.95	0.372	0.372	-0.682	0	0	17.67	0	0	0	0	4.06	0.822	6.145
J1364	0.54	1.58	1278.58	4/13/2017 13:42	1.58	19.74	157.51	0.172	8.67	1.415	0	0	23.42	0	0	0	0	71.37	5.124	2.207
J1369	0.05	0.44	1282.44	4/13/2017 12:00	0.44	46.63	110.11	0.858	2.02	-0.285	0	0	12.56	0	0	0	0	15.58	0.518	7.067
J137	0.05	0.57	1303.57	4/13/2017 12:00	0.56	40.82	40.82	0.776	0.776	-0.199	0	0	10.43	0	0	0	0	5.75	0.476	7.099
J1371	4.15	12.98	1279.98	4/13/2017 13:43	12.98	69.88	7414.57	0.737	752	0.038	0	0	9.02	0	0	0	0	643.06	25.39	11.53
J1377	0.09	0.87	1292.87	4/13/2017 12:00	0.87	99.88	99.88	1.3	1.3	-0.653	0	0	26.13	0	0	0	0	16.58	2.221	6.024
J1379	0.17	1.58	1284.58	4/13/2017 12:00	1.58	0	353.03	0	5.85	-0.207	0	0	34.42	0	0	0	0	56.35	9.165	6.265
J138	0.17	1.05	1266.29	4/13/2017 12:20	1.05	0	108.08	0	3.39	-1.878	0	0	32.95	0	0	0	0	42.37	4.096	2.551
J1385	0.09	0.59	1302.34	4/13/2017 12:00	0.59	85.18	236.6	1.43	3.95	-0.347	0	0	13.41	0	0	0	0	32.55	0.671	7.269
J1388	0.12	0.74	1270.66	4/13/2017 12:00	0.74	0	185	0	3.69	-0.068	0	0	16.26	0	0	0	0	28.25	1.341	6.549
J139	0.37	4.59	1273.38	4/13/2017 12:19	4.59	0	187.35	0	3.41	0.716	0	0	9.41	0	0	0	0	42.37	4.096	4.422
J1390	0.09	1.15	1311.15	4/13/2017 12:00	1.15	26.1	156.28	0.434	2.51	-0.222	0	0	20.85	0	0	0	0	21.65	0	7.218
J1392	0.31	1.9	1296.43	4/13/2017 12:00	1.9	102.53	398.69	1.44	15.4	-0.08	0	0	15.1	0	0	0	0	123.33	7.042	3.233
J1394	0.07	0.7	1310.2	4/13/2017 12:00	0.7	0	155.9	0	2.52	-0.412	0	0	13.3	0	0	0	0	21.65	0	7.201
J1396	0.11	0.38	1301.38	4/13/2017 11:55	0.38	37.28	37.28	0.491	0.491	-0.577	0	0	16.62	0	0	0	0	4.5	1.125	8.284
J1398	0.09	0.67	1275.99	4/13/2017 12:00	0.67	82.69	189.26	1.66	3.68	-0.205	0	0	16.33	0	0	0	0	28.25	1.341	6.699
J14	0.46	3.96	1352.43	4/13/2017 12:01	3.96	40.22	102.64	0.508	1.41	0.675	0	0	9.04	0	0	0	0	15.54	1.258	6.605
J1403	0.08	0.74	1266.16	4/13/2017 12:01	0.74	48.29	229.43	0.943	4.64	-0.248	0	0	15.26	0	0	0	0	38.17	1.47	6.011
J1406	5.43	14.96	1276.95	4/13/2017 14:45	14.96	42.72	38982.15	0.391	5560	0.032	0	0	28.04	0	0	0	0	616.6	34.617	63.221
J141	0.22	1.25	1312.99	4/13/2017 12:00	1.25	30.6	254.23	0.459	4.28	-0.053	0	0	15.75	0	0	0	0	32.53	1.246	7.815
J1410	0.12	0.97	1268.97	4/13/2017 12:01	0.97	0	184.58	0	3.7	-0.082	0	0	15.03	0	0	0	0	28.25	1.341	6.534
J1415	4.23	13.05	1279.05	4/13/2017 13:44	13.05	0	7413.67	0	752	0.025	0	0	8.95	0	0	0	0	643.06	25.39	11.529
J1420	0.6	2.62	1284.62	4/13/2017 12:12	2.62	67.21	448.38	0.764	19	0.086	0	0	46.38	0	0	0	0	160.74	13.189	2.789

Junctions SWMM 50-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J1422	6.33	16	1277	4/13/2017 14:45	16	10.3	38974.78	0.075	5560	0.018	0	0	13	0	0	0	0	617.77	34.617	63.089
J1426	0.12	0.78	1280.78	4/13/2017 12:00	0.78	89.99	113.41	1.14	1.51	-4.984	0	0	23.22	0	0	0	0	16.81	3.111	6.747
J1428	0.06	0.5	1284.59	4/13/2017 12:00	0.5	44.71	44.71	0.61	0.61	-11.383	0	0	22.5	0	0	0	0	6.91	1.224	6.47
J143	0.23	1.88	1315.88	4/13/2017 12:11	1.88	42.46	64.96	0.745	1.67	-0.084	0	0	7.12	0	0	0	0	11.6	1.712	5.6
J1430	5.61	14.72	1277.01	4/13/2017 16:02	14.71	28.66	19225.08	0.273	2600	0.01	0	0	16.28	0	0	0	0	544.64	41.247	35.299
J1432	0.03	0.36	1297.98	4/13/2017 12:00	0.36	29.81	29.81	0.354	0.354	-2.201	0	0	20.64	0	0	0	0	3.82	0.425	7.804
J1435	6.35	16.49	1276.49	4/13/2017 14:46	16.49	51.83	38954.75	0.486	5550	0.01	0	0	25.51	0	0	0	0	643.05	37.727	60.578
J1446	0.05	0.71	1269.79	4/13/2017 12:00	0.71	92.73	92.73	1.27	1.27	-0.793	0	0	32.29	0	0	0	0	13.54	1.54	6.849
J145	0.11	0.52	1312.52	4/13/2017 12:12	0.52	0	47.59	0	1.67	-0.104	0	0	8.48	0	0	0	0	11.6	1.712	4.103
J1452	7.19	17.72	1276.43	4/13/2017 14:47	17.72	32.65	38950.66	0.287	5550	0.027	0	0	24.28	0	0	0	0	647.82	37.727	60.126
J1454	3.17	8.93	1269.86	4/13/2017 13:51	8.93	62.82	7474.96	0.591	763	0.048	0	0	24.07	0	0	0	0	766.97	33.04	9.746
J1463	6.05	19.72	1276.76	4/13/2017 15:57	19.69	55.18	36472.76	0.781	2600	0.566	0	0	12.28	0	0	0	0	576.72	45.012	63.242
J1465	0.07	0.56	1292.56	4/13/2017 12:00	0.56	68.16	68.16	0.795	0.795	-3.064	0	0	23.44	0	0	0	0	10.55	1.001	6.461
J1467	7.69	18.33	1276	4/13/2017 14:47	18.33	0	38942.1	0	5550	0.068	0	0	13.67	0	0	0	0	647.82	37.727	60.113
J1469	0.04	0.48	1280.48	4/13/2017 12:01	0.48	74.96	115.45	0.702	2.5	-0.941	0	0	16.52	0	0	0	0	36.79	1.257	3.138
J147	0.16	1.39	1318.39	4/13/2017 12:02	1.39	0	45.39	0	0.921	0.133	0	0	12.61	0	0	0	0	6.37	1.005	7.126
J1475	0.71	4.23	1288.23	4/13/2017 12:10	4.23	99.35	506.84	1.07	18.3	-0.061	0	0	15.77	0	0	0	0	152.87	11.746	3.315
J1478	8.74	18.73	1282.73	4/13/2017 16:01	18.73	60.21	19156.37	0.476	2570	0.121	0	0	10.27	0	0	0	0	249.46	14.215	76.791
J148	0.1	0.88	1315.88	4/13/2017 12:11	0.88	0	38.28	0	0.92	-0.402	0	0	8.12	0	0	0	0	6.37	1.005	6.009
J1480	0.08	1.09	1272.13	4/13/2017 12:00	1.09	157.63	157.63	1.7	1.7	-0.01	0	0	12.91	0	0	0	0	24.1	1.565	6.541
J1482	0.23	2.14	1280.14	4/13/2017 16:02	2.14	23.71	160.02	0.201	4.68	-0.362	0	0	11.86	0	0	0	0	40.02	1.275	3.999
J1484	0.03	0.59	1283.67	4/13/2017 12:00	0.59	82.49	82.49	1.33	1.33	-0.473	0	0	11.41	0	0	0	0	10.48	0	7.871
J15	0.08	1.07	1356.07	4/13/2017 11:55	1.06	28.92	144.51	0.441	2.3	-0.096	0	0	41.93	0	0	0	0	16.18	2.052	8.931
J1500	0.38	4	1268	4/13/2017 13:56	4	56.78	143.69	0.699	4.03	-1.628	0	0	31	0	0	0	0	19.44	2.142	7.391
J1504	4.97	16.98	1275.98	4/13/2017 15:58	16.97	19.61	24419.31	0.203	2600	-0.208	0	0	15.02	0	0	0	0	567.79	43.503	43.008
J151	0.35	3.26	1309.26	4/13/2017 12:00	3.26	26.02	1183.8	0.39	15.1	-0.036	0	0	34.74	0	0	0	0	166.62	14.97	7.105
J1510	0.1	0.62	1265.71	4/13/2017 12:01	0.62	90.3	90.3	1.25	1.25	-2.581	0	0	12.38	0	0	0	0	20.75	1.168	4.352
J152	0.35	4.87	1351.87	4/13/2017 12:15	4.87	0	192.27	0	3.25	-0.176	0	0	76.13	0	0	0	0	60.86	5.884	3.159
J1525	0.12	0.65	1282.29	4/13/2017 12:12	0.65	36.22	36.22	0.371	0.371	-4.029	0	0	13.35	0	0	0	0	6.55	0.054	5.53
J1527	0.03	0.39	1283.43	4/13/2017 12:00	0.39	32.06	65.25	0.494	1.16	-0.455	0	0	12.61	0	0	0	0	112.07	6.922	0.582
J1536	1.97	10.32	1274.34	4/13/2017 14:52	10.32	41.45	437.89	0.371	16.6	0.182	0	0	19.68	0	0	0	0	6.26	0	69.95
J1538	0.24	2.18	1283.18	4/13/2017 15:59	2.18	75.55	75.55	0.719	1.14	-0.587	0	0	19.82	0	0	0	0	11.94	0.124	6.327
J1542	6.68	20.06	1275.06	4/13/2017 15:59	19.86	28.18	22882.9	0.288	2420	0.01	0	0	11.94	0	0	0	0	638.61	50.638	35.832
J1544	0.06	0.66	1279.66	4/13/2017 12:00	0.66	61.96	122.9	1.06	2.23	-0.81	0	0	13.34	0	0	0	0	120.28	7.093	1.022
J1551	0.04	0.39	1281.88	4/13/2017 12:01	0.39	0	64.74	0	1.16	-1.06	0	0	13.61	0	0	0	0	112.07	6.922	0.578
J1553	0.03	0.58	1268	4/13/2017 13:54	0.58	41.62	41.62	0.452	0.492	-0.15	0	0	9.42	0	0	0	0	7.33	0.247	5.678
J1560	0.04	0.64	1276.64	4/13/2017 12:01	0.64	33.34	200.01	0.387	2.74	-1.064	0	0	22.36	0	0	0	0	27.25	2.408	7.34
J1563	0.15	1.63	1268	4/13/2017 13:55	1.63	0	41.2	0	0.936	-0.601	0	0	15.37	0	0	0	0	7.33	0.247	5.621
J1567	5.86	15.38	1283.38	4/13/2017 15:59	15.38	66.05	19192.02	0.66	2580	0.074	0	0	18.62	0	0	0	0	218.67	13.815	87.767
J157	0.2	2.87	1309.58	4/13/2017 12:01	2.87	0	153.86	0	2.13	0.232	0	0	7.13	0	0	0	0	17.65	2.83	8.717
J1571	0.33	1.82	1273.82	4/13/2017 12:06	1.82	54.47	239.23	0.514	4.05	-1.28	0	0	17.18	0	0	0	0	33.96	2.599	7.044
J1573	0.04	0.55	1267.71	4/13/2017 11:55	0.55	0	94.77	0	1.62	-0.081	0	0	14.45	0	0	0	0	11.13	1.755	8.515
J158	0.32	2.91	1356.91	4/13/2017 11:55	2.91	0	170.28	0	2.65	0.009	0	0	29.09	0	0	0	0	19.6	1.215	8.688
J1584	0.1	0.62	1270.09	4/13/2017 11:55	0.62	95.41	95.41	1.62	1.62	-0.051	0	0	12.38	0	0	0	0	11.13	1.755	8.572
J1586	5.37	16.41	1291.43	4/13/2017 15:51	16.41	0	17760.98	0	2490	0.029	0	0	7.59	0	0	0	0	83.18	0.991	213.525
J1588	0.02	0.38	1260.38	4/13/2017 12:00	0.38	85.49	85.49	1.26	1.26	-0.317	0	0	8.62	0	0	0	0	15.44	0.684	5.537
J159	0.13	1.4	1352.6	4/13/2017 11:56	1.4	0	169.92	0	2.65	-0.03	0	0	11.6	0	0	0	0	19.6	1.215	8.669
J1590	0.1	0.9	1280.26	4/13/2017 12:00	0.9	69.88	167.66	0.944	2.35	-0.352	0	0	22.1	0	0	0	0	23	2.1	7.29
J1593	6.54	16.98	1288.98	4/13/2017 15:53	16.98	52.54	19209.78	0.427	2570	0.043	0	0	7.02	0	0	0	0	90.61	1.033	212.005
J1597	0.14	0.69	1272.31	4/13/2017 12:05	0.69	91.52	208.11	1.41	3.65	-2.36	0	0	23.31	0	0	0	0	132.63	8.743	1.569
J16	0.33	3.27	1266.27	4/13/2017 12:18	3.27	0	375.32	0	12.4	-0.061	0	0	11.73	0	0	0	0	111.87	12.188	3.355
J1601	0.05	0.65	1265.67	4/13/2017 11:56	0.65	42.06	134.45	0.712	2.33	-0.069	0	0	14.35	0	0	0	0	16.43	2.104	8.183
J1609	4.86	13.78	1284.28	4/13/2017 15:55	13.78	38.45	19197.05	0.382	2580	0.041	0	0	27.22	0	0	0	0	210.63	13.23	91.141
J161	0.08	0.79	1338.29	4/13/2017 11:56	0.79	0	159.67	0	2.53	-0.081	0	0	16.21	0	0	0	0	17.86	1.982	8.94
J1613	0.79	4.79	1258.88	4/13/2017 15:13	4.79	54.72	54.72	0.627	0.859	-0.512	0	0	30.21	0	0	0	0	7.94	0.401	6.892
J1615	0.86	6.4	1291.4	4/13/2017 15:51	6.4	5.55	1470.32	0.036	98.5	-0.015	0	0	14.6	0	0	0	0	51.82	0.59	28.374
J1617	0.83	5.08	1273.08	4/13/2017 15:59	5.08	0	3200.9	0	178	-0.051	0	0	25.92	0	0	0	0	97.32	10.094	32.89
J1619	0.06	0.62	1264.62	4/13/2017 11:57	0.62	22.2	156.04	0.357	2.69	-0.183	0	0	21.38	0	0	0	0	19.23	2.117	8.114

Junctions SWMM 50-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J162	0.67	4.75	1379.75	4/13/2017 11:54	4.75	54.4	311.1	0.705	4.27	0.139	0	0	17.25	0	0	0	0	32.49	4.147	9.575
J1623	1.11	1.87	1256.97	4/13/2017 15:37	1.87	37.93	301.19	0.541	4.76	13.413	0	0	13.13	0	0	0	0	50.69	2.464	5.942
J1625	0.58	3.44	1289.44	4/13/2017 15:52	3.44	21.44	1468.31	0.238	84.6	0.004	0	0	9.56	0	0	0	0	51.21	0.59	28.672
J1627	0.96	1.72	1256.97	4/13/2017 15:37	1.72	99.81	323.7	1.25	4.85	20.17	0	0	16.28	0	0	0	0	45.05	2.152	7.185
J1629	0.04	0.56	1292.08	4/13/2017 12:00	0.56	45.42	100.12	0.574	1.4	-0.261	0	0	20.44	0	0	0	0	13.65	1.045	7.335
J1633	0.1	0.54	1270.11	4/13/2017 12:00	0.54	42.18	42.18	0.598	0.598	-0.478	0	0	11.46	0	0	0	0	7.99	0.939	5.279
J1635	5.83	14.86	1285.8	4/13/2017 15:54	14.86	43.91	19200.51	0.515	2580	0.04	0	0	26.14	0	0	0	0	203.97	13.184	94.134
J1637	0.1	0.67	1266	4/13/2017 12:01	0.66	22.88	62.73	0.339	0.94	-0.738	0	0	11.33	0	0	0	0	13.84	1.938	4.533
J1643	0.22	1.37	1289.37	4/13/2017 15:54	1.37	16.78	205.34	0.19	7.66	-0.31	0	0	8.63	0	0	0	0	46.86	0.59	4.382
J1645	0.13	0.58	1306.58	4/13/2017 12:00	0.58	62.9	62.9	0.827	0.827	0.037	0	0	15.42	0	0	0	0	9.3	0.517	6.763
J1647	0.04	0.47	1260.77	4/13/2017 12:00	0.47	90.43	199.37	1.27	3.1	-0.102	0	0	26.53	0	0	0	0	24.9	1.641	8.007
J1649	0.41	3.33	1257.01	4/13/2017 15:23	3.33	26.31	40.36	0.375	4.3	0.005	0	0	11.67	0	0	0	0	66.22	4.176	0.609
J1653	0.34	2.19	1255.19	4/13/2017 12:05	2.19	79.32	423.51	1.27	9.32	-0.391	0	0	29.81	0	0	0	0	182.96	13.215	2.315
J1660	0.22	0.71	1257.21	4/13/2017 12:00	0.71	31.61	227.16	0.291	3.43	-0.822	0	0	26.29	0	0	0	0	28.37	1.711	8.007
J1662	7.88	19.44	1271.44	4/13/2017 15:40	19.43	46.42	19496.28	0.411	2600	0.121	4.2	4.951	7.559	0	0	0	0	716.68	57.976	27.204
J1664	0.12	0.79	1289.87	4/13/2017 12:00	0.79	0	222.74	0	3.63	-0.023	0	0	10.21	0	0	0	0	29.92	3.863	7.445
J1669	0.65	6.82	1271.84	4/13/2017 15:00	6.82	5.04	3914.22	0.105	178	-0.005	0	0	111.18	0	0	0	0	684.31	38.899	5.72
J1673	2.84	7.99	1258.99	4/13/2017 15:04	7.99	40.6	7421.86	0.361	764	0.037	0	0	16.01	0	0	0	0	813.9	36.192	9.119
J1675	0.08	0.63	1260.33	4/13/2017 12:10	0.63	0	152.9	0	2.9	-0.467	0	0	14.37	0	0	0	0	62	3.587	2.466
J1677	0.05	0.47	1264.11	4/13/2017 12:06	0.47	9.49	62.37	0.089	1.04	-0.151	0	0	10.53	0	0	0	0	21.67	2.118	2.878
J1679	0.11	1.38	1290.38	4/13/2017 12:00	1.38	105.85	105.85	1.3	1.3	-0.28	0	0	8.62	0	0	0	0	18.65	0.003	5.676
J1681	0.05	0.58	1296.94	4/13/2017 12:00	0.58	21.79	57.6	0.296	0.754	-0.47	0	0	18.42	0	0	0	0	7.85	0.79	7.338
J1683	0.15	1.06	1277.06	4/13/2017 12:00	1.06	75.77	344.85	0.938	7.19	-0.46	0	0	29.94	0	0	0	0	60.86	7.224	5.666
J1687	0.19	0.7	1258.79	4/13/2017 15:17	0.7	7.13	152.51	0.035	3.3	-2.822	0	0	20.3	0	0	0	0	64.28	3.59	2.373
J1691	0.07	0.57	1290.2	4/13/2017 12:00	0.57	53.49	53.49	0.778	0.778	-0.03	0	0	9.43	0	0	0	0	7.6	1.175	7.038
J1693	0.91	6.01	1257.01	4/13/2017 15:22	6.01	0.06	247.55	0.001	10	-0.205	0	0	19.99	0	0	0	0	70.19	4.182	3.527
J1697	3.75	10.81	1258.81	4/13/2017 15:16	10.8	0	7306.18	0	767	0.009	0	0	16.19	0	0	0	0	890.28	40.185	8.207
J1699	1.21	1.97	1256.97	4/13/2017 15:37	1.97	26.27	263.7	0.39	4.8	29.915	0	0	13.03	0	0	0	0	55.76	3.131	4.729
J17	0.2	0.99	1296.54	4/13/2017 11:58	0.99	66.85	448.68	1.04	6.41	-0.032	0	0	14.01	0	0	0	0	59.17	10.144	7.583
J1701	0.08	0.65	1288.83	4/13/2017 12:00	0.65	0	53.36	0	0.78	-0.102	0	0	10.35	0	0	0	0	7.6	1.175	7.021
J1704	0.13	0.77	1295.08	4/13/2017 12:08	0.77	8.21	127.57	0.075	2.13	0.259	0	0	14.23	0	0	0	0	22.56	0.587	5.655
J1707	0.1	0.74	1300.74	4/13/2017 12:00	0.73	134.57	134.57	2.25	2.24	-0.176	0	0	22.26	0	0	0	0	17.94	2.482	7.501
J1711	3.87	11.75	1258.75	4/13/2017 15:18	11.75	0	7272.62	0	767	0.032	0	0	17.25	0	0	0	0	890.28	40.185	8.169
J1713	0.06	0.53	1295.99	4/13/2017 11:55	0.52	81.53	81.53	1.37	1.37	-0.294	0	0	17.47	0	0	0	0	10.6	1.475	7.692
J1719	0.51	3.61	1266.61	4/13/2017 15:02	3.61	25.92	3910.58	0.54	179	-0.147	0	0	23.39	0	0	0	0	693.14	41.121	5.642
J1721	0.08	0.82	1307.82	4/13/2017 11:55	0.82	113.87	206.84	1.5	2.79	-0.545	0	0	18.18	0	0	0	0	22.9	3.016	9.032
J1729	0.1	0.84	1290.6	4/13/2017 12:00	0.84	91.91	224.63	1.37	3.62	-0.096	0	0	22.16	0	0	0	0	29.92	3.863	7.508
J1735	0.08	1.21	1304.21	4/13/2017 12:00	1.21	59.44	59.44	0.743	0.743	-0.224	0	0	10.79	0	0	0	0	7.48	0.476	7.947
J1745	0.05	0.37	1302.37	4/13/2017 12:00	0.37	24.86	111.8	0.324	4.37	-0.21	0	0	12.63	0	0	0	0	36.08	4.249	3.099
J1758	0.07	0.66	1309.66	4/13/2017 11:55	0.66	93.43	93.43	1.29	1.29	-0.023	0	0	16.34	0	0	0	0	10.39	1.458	8.992
J1763	9.49	21.09	1258.59	4/13/2017 15:21	21.09	19.23	57195.02	0.087	8950	0.098	0	0	13.91	0	0	0	0	3478.99	268.957	16.44
J1770	0.07	0.68	1309.71	4/13/2017 12:00	0.68	94.47	129.11	1.51	2.01	-2.14	0	0	14.32	0	0	0	0	21.65	0.587	5.964
J1776	6.82	15.87	1265.78	4/13/2017 14:25	15.75	70.55	49696.19	0.956	7940	0.05	0	0	40.13	0	0	0	0	1458.2	102.249	34.081
J1780	0.73	4.7	1316.7	4/13/2017 12:20	4.7	43.9	147.67	0.521	3.31	0.547	0	0	11.3	0	0	0	0	25.46	3.457	5.8
J1786	0.04	0.64	1307.93	4/13/2017 12:00	0.64	0	64.74	0	0.979	-0.571	0	0	15.36	0	0	0	0	9.74	0.628	6.647
J1793	0.09	0.59	1322.59	4/13/2017 12:00	0.59	82.93	108.41	1.18	2.75	-1.433	0	0	20.41	0	0	0	0	20.51	2.817	5.286
J1795	0.02	0.31	1313.84	4/13/2017 12:00	0.31	34.94	34.94	0.494	0.494	-0.234	0	0	14.69	0	0	0	0	5.06	0.36	6.905
J1797	0.04	0.42	1315.05	4/13/2017 12:00	0.42	65.62	65.62	0.975	0.975	-0.361	0	0	15.58	0	0	0	0	9.74	0.628	6.737
J18	0.39	2.39	1259.38	4/13/2017 15:21	2.39	0	374.24	0	12.4	-0.302	0	0	27.61	0	0	0	0	111.87	12.188	3.345
J1806	0.1	0.7	1293.04	4/13/2017 12:03	0.7	0	72.21	0	1.27	-4.037	0	0	30.3	0	0	0	0	16.41	2.581	4.4
J1815	0.18	2.12	1266.31	4/13/2017 12:18	2.12	59.49	389.39	0.67	12.3	-0.036	0	0	19.88	0	0	0	0	111.87	12.188	3.481
J1817	0.11	0.87	1344.4	4/13/2017 11:55	0.87	107.21	107.21	1.56	1.56	-1.974	0	0	20.13	0	0	0	0	10.81	1.784	9.918
J1819	0.19	1.73	1272.51	4/13/2017 12:00	1.73	85.41	287.75	1.13	4.9	-0.36	0	0	22.27	0	0	0	0	50.9	4.137	5.653
J1824	0.07	0.72	1344.72	4/13/2017 11:55	0.72	95.04	95.04	1.43	1.43	-0.979	0	0	22.28	0	0	0	0	11.64	1.097	8.165
J1829	0.09	1.1	1267.4	4/13/2017 12:00	1.1	108.97	810.2	1.85	11.8	-0.127	0	0	13.9	0	0	0	0	104.32	17.075	7.766
J1831	0.03	0.44	1281.13	4/13/2017 12:00	0.44	57.62	57.62	0.939	0.939	-0.053	0	0	10.56	0	0	0	0	9.74	0.769	5.916
J1838	0.37	4.35	1281.35	4/13/2017 12:12	4.35	29.01	411.36	0.432	11.7	-0.09	0	0	14.65	0	0	0	0	105.77	10.988	3.889
J1840	0.19	1.55	1274.99	4/13/2017 12:13	1.55	0	381.97	0	11.7	-0.082	0	0	20.45	0	0	0	0	105.77	10.988	3.611

Junctions SWMM 50-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J1842	0.17	1.25	1281.25	4/13/2017 12:04	1.25	130.21	258.72	1.48	3.4	-0.478	0	0	13.75	0	0	0	0	42.37	4.096	6.106
J1844	0.24	1.72	1262.06	4/13/2017 15:20	1.71	90.17	201.88	1.31	3.74	-0.515	0	0	32.28	0	0	0	0	21.53	2.292	9.377
J1846	0.18	1.5	1300.89	4/13/2017 11:55	1.5	205.47	205.47	3.28	3.28	-0.889	0	0	13.5	0	0	0	0	23.58	2.384	8.714
J1848	0.09	0.67	1288.5	4/13/2017 11:55	0.67	67.65	67.65	1.13	1.13	-0.072	0	0	19.33	0	0	0	0	8.11	0.85	8.342
J1850	0.07	0.9	1278.93	4/13/2017 11:59	0.9	31.11	205.22	0.403	3.59	-1.372	0	0	19.1	0	0	0	0	24.92	4.049	8.235
J1852	1.37	5.37	1281.37	4/13/2017 12:12	5.37	19.8	463.38	0.276	11.2	-0.133	0	0	13.63	0	0	0	0	102.76	10.589	4.509
J1855	0.2	1.02	1277.03	4/13/2017 12:00	1.02	26.84	706.03	0.393	9.97	-0.082	0	0	11.98	0	0	0	0	91.07	15.037	7.753
J1858	0.12	1.43	1268.08	4/13/2017 12:00	1.43	57.31	382.87	0.904	6.43	-0.482	0	0	30.57	0	0	0	0	46.02	4.611	8.32
J1860	0.28	1.84	1285.02	4/13/2017 12:07	1.84	41.73	474.25	0.671	10.4	-0.46	0	0	40.16	0	0	0	0	97.81	9.889	4.849
J1866	1.31	5.83	1263.83	4/13/2017 15:19	5.83	140.43	3130.51	2.2	83.1	-0.507	0	0	60.17	0	0	0	0	572.4	68.021	5.469
J1871	0.91	7.35	1269.35	4/13/2017 12:03	7.35	42.57	3069.36	0.618	78.9	0.037	0	0	26.65	0	0	0	0	557.95	64.942	5.501
J1873	0.35	5.19	1287.17	4/13/2017 12:00	5.18	91.56	356.94	1.33	5.52	-0.112	0	0	26.81	0	0	0	0	39.87	3.574	8.953
J1879	0.05	0.69	1282.36	4/13/2017 11:59	0.69	81.86	681.82	0.96	9.57	-0.042	0	0	13.31	0	0	0	0	88.08	14.287	7.741
J1881	0.97	4.74	1274.76	4/13/2017 12:03	4.74	108.2	2891.32	1.64	74.5	-0.133	0	0	29.26	0	0	0	0	528.49	60.574	5.471
J1883	0.25	1.76	1284.96	4/13/2017 12:07	1.76	28.39	459.42	0.426	10.9	-0.201	0	0	40.24	0	0	0	0	100.75	10.433	4.56
J1885	0.1	1.07	1299.2	4/13/2017 11:55	1.07	113.61	113.61	1.68	1.68	-0.099	0	0	29.93	0	0	0	0	12.05	1.231	9.428
J1887	0.32	2.97	1276.97	4/13/2017 12:01	2.97	32.67	946.74	0.436	15.3	-0.332	0	0	23.03	0	0	0	0	109.92	9.675	8.613
J1889	0.1	0.55	1294.55	4/13/2017 12:00	0.55	27.08	140.12	0.414	1.88	-1.646	0	0	14.45	0	0	0	0	20.78	2.51	6.743
J1891	0.05	0.92	1291.05	4/13/2017 12:00	0.92	108.53	159.79	1.32	1.97	-1.692	0	0	14.08	0	0	0	0	21.19	2.268	7.541
J1894	0.03	0.49	1278.51	4/13/2017 12:00	0.49	33.42	90.77	0.512	1.45	-0.102	0	0	10.51	0	0	0	0	14.89	1.42	6.096
J1896	0.16	1.61	1289.64	4/13/2017 11:55	1.61	81.21	274.25	1.13	4.19	-0.205	0	0	32.39	0	0	0	0	31.11	1.867	8.815
J1898	0.32	3.01	1304.01	4/13/2017 12:03	3.01	0	918.66	0	13.6	-1.657	0	0	51.99	0	0	0	0	120.91	18.56	7.598
J19	0.77	7.87	1271.87	4/13/2017 14:59	7.87	0	3911.26	0	178	0.003	0	0	7.13	0	0	0	0	684.31	38.899	5.716
J1900	0.23	2.82	1295.32	4/13/2017 11:58	2.82	78.99	692.73	1.11	10.8	-0.812	0	0	18.18	0	0	0	0	77.66	6.559	8.92
J1905	0.2	1.52	1317.54	4/13/2017 11:56	1.52	193.87	460.49	2.73	7.02	-0.135	0	0	26.48	0	0	0	0	50.13	4.88	9.186
J1907	0.08	0.91	1293.02	4/13/2017 12:06	0.91	43.33	457.43	0.541	9.75	-0.114	0	0	16.09	0	0	0	0	92.88	9.508	4.925
J1909	0.05	0.54	1304.54	4/13/2017 12:00	0.54	114.73	114.73	1.47	1.47	-0.271	0	0	12.46	0	0	0	0	17.09	1.741	6.713
J1911	0.13	1.54	1304.7	4/13/2017 11:55	1.54	57.28	195.33	0.857	3.06	-0.046	0	0	32.46	0	0	0	0	23.3	0.765	8.383
J1913	0.14	0.65	1306.65	4/13/2017 12:00	0.65	0	56.3	0	0.651	-0.693	0	0	18.35	0	0	0	0	7.59	0.806	7.418
J1915	0.24	2.27	1298.26	4/13/2017 12:05	2.27	0	405.78	0	8.5	-0.015	0	0	13.73	0	0	0	0	79.83	8.432	5.083
J1917	0.04	0.55	1308.07	4/13/2017 11:55	0.55	56.44	56.44	0.651	0.651	-0.032	0	0	18.45	0	0	0	0	7.59	0.806	7.436
J1920	0.45	2	1280	4/13/2017 12:01	2	36.89	841.43	0.579	18.7	-0.181	0	0	23	0	0	0	0	129.4	24.88	6.503
J1922	0.09	1.13	1311.36	4/13/2017 11:55	1.13	138.22	138.22	2.2	2.2	-0.007	0	0	21.87	0	0	0	0	16.81	0.518	8.222
J1926	0.19	1.81	1308.2	4/13/2017 11:56	1.81	33.25	485.45	0.429	7.46	-0.084	0	0	23.19	0	0	0	0	53.17	5.187	9.13
J1928	0.28	2.11	1296.11	4/13/2017 12:05	2.11	55.1	434.4	0.714	9.21	-0.033	0	0	14.89	0	0	0	0	87.56	9.323	4.961
J1932	0.15	1.03	1298.23	4/13/2017 11:55	1.03	133.48	133.48	2.16	2.16	-0.041	0	0	27.97	0	0	0	0	14.1	3.189	9.467
J1935	0.2	1.1	1299.1	4/13/2017 11:56	1.1	42.19	383.88	0.485	5.37	-0.072	0	0	12.9	0	0	0	0	50.38	8.883	7.62
J1939	0.05	0.76	1337.76	4/13/2017 11:55	0.76	82	195.56	1.1	2.97	-0.041	0	0	24.24	0	0	0	0	20.99	2.324	9.317
J1941	0.35	4.5	1304	4/13/2017 12:05	4.5	28.49	485.11	0.341	7.65	1.29	0	0	22.5	0	0	0	0	72.19	7.265	6.72
J1945	0.11	0.52	1331.77	4/13/2017 12:00	0.52	26.6	26.6	0.532	0.532	-0.067	0	0	21.48	0	0	0	0	3.79	0.497	7.018
J1947	0.02	0.38	1303.7	4/13/2017 11:55	0.38	113.34	113.34	1.28	1.28	-0.302	0	0	22.62	0	0	0	0	13.12	1.643	8.639
J1949	0.17	1.32	1307.6	4/13/2017 11:58	1.32	88.03	407.26	1.07	6.49	-1.483	0	0	14.68	0	0	0	0	62.03	6.97	6.566
J1953	0.06	0.82	1325.19	4/13/2017 12:01	0.82	0	261.03	0	3.39	-0.177	0	0	20.18	0	0	0	0	33.88	4.505	7.705
J1956	0.05	0.72	1348.02	4/13/2017 11:55	0.72	47.13	121.99	0.725	1.86	-0.235	0	0	26.28	0	0	0	0	13.01	1.687	9.377
J1962	0.02	0.26	1350.26	4/13/2017 11:55	0.26	75.13	75.13	1.14	1.14	-0.016	0	0	20.74	0	0	0	0	8.01	0.953	9.38
J1964	0.72	3.22	1285.8	4/13/2017 12:00	3.22	30.04	1141.95	0.398	36.9	-0.103	0	0	26.78	0	0	0	0	264.48	23.894	4.318
J1966	0.08	0.62	1315.06	4/13/2017 11:56	0.62	54.6	54.6	0.705	0.705	-2.498	0	0	12.38	0	0	0	0	6.3	0.113	8.667
J1971	0.44	5.07	1285.35	4/13/2017 12:01	5.07	87.28	1201.61	1.25	38.2	-0.001	0	0	24.93	0	0	0	0	273.04	25.157	4.401
J1974	0.12	0.74	1287.3	4/13/2017 11:55	0.74	0	132.04	0	2.16	-0.134	0	0	28.26	0	0	0	0	14.1	3.189	9.365
J1983	0.28	1.05	1320.05	4/13/2017 12:01	1.05	0	255.22	0	4.17	-0.277	0	0	45.95	0	0	0	0	41.06	4.202	6.216
J1985	0.19	1.65	1328.14	4/13/2017 12:00	1.65	42.71	266.67	0.555	3.36	-0.754	0	0	19.35	0	0	0	0	33.88	4.505	7.871
J1987	0.07	0.68	1336.39	4/13/2017 11:58	0.68	32.38	225.16	0.402	2.8	-0.4	0	0	22.32	0	0	0	0	27.47	3.808	8.197
J1989	0.25	1.34	1296.89	4/13/2017 12:00	1.34	37.09	683.14	0.53	15.6	-0.075	0	0	20.66	0	0	0	0	108.66	20.725	6.287
J1991	0.15	1.09	1314.35	4/13/2017 12:00	1.09	98.49	331.01	1.22	5.4	-0.224	0	0	45.91	0	0	0	0	52.61	5.548	6.292
J1993	0.06	0.59	1337.59	4/13/2017 11:57	0.59	0	194	0	2.39	-0.129	0	0	22.41	0	0	0	0	23.57	3.483	8.231
J1997	0.61	2.94	1301.96	4/13/2017 12:10	2.94	105.74	885.3	1.49	29.8	-0.094	0	0	35.06	0	0	0	0	215.1	18.123	4.116
J1999	0.11	0.95	1328.95	4/13/2017 12:01	0.94	0	201.56	0	3.18	-0.208	0	0	21.05	0	0	0	0	31.22	3.218	6.456
J2	0.2	2.05	1289.65	4/13/2017 14:31	2.05	90.9	143.04	1.04	3.52	-0.422	0	0	33.95	0	0	0	0	29.2	2.31	4.899

Junctions SWMM 50-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J20	0.13	0.93	1304.68	4/13/2017 11:55	0.93	49.37	303.91	0.737	4.28	-0.025	0	0	11.07	0	0	0	0	39	7.166	7.793
J2001	0.18	1.77	1336.77	4/13/2017 12:00	1.77	88.85	563.98	1.26	7.51	-0.268	0	0	13.23	0	0	0	0	68.68	9.227	8.212
J2003	0.1	1.05	1303.31	4/13/2017 12:00	1.05	44.68	654.15	0.653	15	-0.078	0	0	31.95	0	0	0	0	104.93	20.288	6.234
J2005	0.03	0.47	1344.54	4/13/2017 11:55	0.47	41.92	41.92	0.487	0.487	-0.072	0	0	14.53	0	0	0	0	5.49	0.545	7.636
J2011	0.11	0.96	1325.08	4/13/2017 12:01	0.96	70	255.47	0.972	4.16	-0.086	0	0	21.04	0	0	0	0	41.06	4.202	6.222
J2016	0.04	0.47	1351.95	4/13/2017 11:56	0.47	24.58	156.71	0.317	1.89	-0.341	0	0	28.53	0	0	0	0	18.08	2.938	8.668
J2018	0.05	0.54	1332.08	4/13/2017 11:55	0.54	107.51	229.42	1.65	3.46	-0.139	0	0	19.46	0	0	0	0	23.42	5.734	9.796
J2020	0.16	1.04	1297.49	4/13/2017 11:55	1.04	187.8	187.8	3.09	3.09	-0.203	0	0	12.96	0	0	0	0	21.56	3.01	8.711
J2022	0.31	2.04	1310.05	4/13/2017 12:00	2.04	58.64	615.67	0.977	14.4	-0.039	0	0	29.96	0	0	0	0	100.39	19.68	6.133
J2024	0.03	0.39	1317.36	4/13/2017 11:55	0.39	131	131	1.72	1.72	-0.021	0	0	10.61	0	0	0	0	16.47	3.39	7.954
J2030	0.09	0.97	1338.54	4/13/2017 12:00	0.96	63.61	208.31	0.742	3.18	-0.218	0	0	107.03	0	0	0	0	31.22	3.218	6.672
J2032	0.06	0.64	1355.71	4/13/2017 11:55	0.63	70.52	136	0.752	1.56	-0.4	0	0	24.36	0	0	0	0	15.22	1.99	8.936
J2034	0.04	0.43	1369.65	4/13/2017 11:55	0.43	67.45	67.45	0.807	0.807	-0.338	0	0	24.57	0	0	0	0	7.39	1.043	9.127
J2036	0.12	1.35	1352.23	4/13/2017 11:58	1.35	0	483.52	0	6.2	-0.237	0	0	38.65	0	0	0	0	58.76	7.319	8.229
J2043	0.08	0.93	1334.07	4/13/2017 11:55	0.93	71.81	71.81	1.11	1.11	-0.017	0	0	23.07	0	0	0	0	7.51	1.281	9.562
J2045	0.51	2.35	1305.43	4/13/2017 12:09	2.35	90.77	857.53	1.17	28.3	-0.088	0	0	35.65	0	0	0	0	204.41	17.113	4.195
J2047	0.01	0.19	1322.69	4/13/2017 12:01	0.19	0	7.46	0	0.005	-27.401	0	0	34.81	0	0	0	0	0	0	0
J2050	0.05	0.55	1347.59	4/13/2017 11:55	0.55	122.86	122.86	1.81	1.81	-0.017	0	0	19.45	0	0	0	0	12.58	2.988	9.766
J2053	0.11	0.98	1348.02	4/13/2017 12:01	0.98	0	93.05	0	1.4	0.005	0	0	16.02	0	0	0	0	15.54	1.258	5.988
J2058	0.04	0.45	1342.57	4/13/2017 12:00	0.45	65.15	65.15	1.16	1.16	-0.009	0	0	17.55	0	0	0	0	8.6	0.676	7.576
J2060	0.08	0.7	1353.83	4/13/2017 12:00	0.7	64.49	64.49	0.882	0.882	-1.828	0	0	12.3	0	0	0	0	10.23	0.704	6.304
J2071	0.19	1.32	1333.18	4/13/2017 12:00	1.32	38.8	349.62	0.618	9.39	-0.098	0	0	28.68	0	0	0	0	67.53	11.548	5.177
J2076	0.09	0.79	1349.02	4/13/2017 12:00	0.79	79.86	177.69	1.32	3.25	-1.956	0	0	18.21	0	0	0	0	24.03	1.928	7.395
J2078	0.15	1.53	1361.53	4/13/2017 11:58	1.53	0	413.59	0	5.36	-0.058	0	0	22.47	0	0	0	0	50.69	6.821	8.159
J2080	0.06	0.83	1369.17	4/13/2017 11:57	0.83	0	413.6	0	5.36	-0.008	0	0	22.17	0	0	0	0	50.69	6.821	8.159
J2087	0.05	0.79	1383.3	4/13/2017 11:56	0.79	84.85	196.91	1.03	2.37	-0.245	0	0	18.21	0	0	0	0	22.85	2.809	8.618
J2089	0.11	3.21	1364.18	4/13/2017 12:04	3.2	92.82	146.96	1.45	1.5	-0.198	0	0	19.79	0	0	0	0	11.39	0.027	12.903
J2094	0.17	2.53	1342.53	4/13/2017 12:06	2.48	61.23	564.93	0.964	6.26	0.05	0	0	25.47	0	0	0	0	42.83	7.169	13.19
J2096	0.08	1.1	1380.1	4/13/2017 11:55	1.1	29.16	211.05	0.446	2.46	-0.252	0	0	34.9	0	0	0	0	23.72	3.128	8.898
J2098	0.17	3	1364.15	4/13/2017 12:06	3	80.15	644.34	1.2	9.95	-0.135	0	0	19	0	0	0	0	74.84	7.158	8.61
J21	1.02	2.22	1278.57	4/13/2017 13:42	2.22	18.02	77.12	0.201	10.2	0.156	0	0	27.78	0	0	0	0	90.66	5.859	0.851
J2101	0.13	0.85	1365.94	4/13/2017 12:00	0.85	102.65	102.65	1.93	1.93	-0.053	0	0	17.15	0	0	0	0	14.65	0.844	7.007
J2103	0.04	0.64	1388.64	4/13/2017 11:55	0.63	64.55	182.82	0.732	2.01	-0.098	0	0	21.36	0	0	0	0	20.27	2.205	9.019
J2110	0.04	0.61	1393.03	4/13/2017 11:55	0.61	0	119.14	0	1.28	-0.076	0	0	21.39	0	0	0	0	12.68	1.462	9.396
J2112	0.3	1.62	1331.35	4/13/2017 12:08	1.62	103.2	318.33	1.54	9.13	-0.135	0	0	19.38	0	0	0	0	66.59	4.628	4.78
J2114	0.05	0.5	1359.09	4/13/2017 12:00	0.5	55.71	55.71	0.944	0.944	-0.706	0	0	23.5	0	0	0	0	6.88	0.612	8.097
J2116	0.06	0.55	1398.69	4/13/2017 11:55	0.55	113.81	113.81	1.34	1.34	-0.102	0	0	15.45	0	0	0	0	13.76	1.45	8.271
J2121	0.27	1.32	1366.32	4/13/2017 11:58	1.32	35.4	568.08	0.558	8.73	-0.218	0	0	25.68	0	0	0	0	65.76	6.774	8.639
J2123	0.06	0.69	1346.69	4/13/2017 11:55	0.69	27.97	27.97	0.391	0.391	-1.07	0	0	26.31	0	0	0	0	2.87	0.718	9.746
J2125	0.08	1.04	1376.04	4/13/2017 11:58	1.04	69.46	384.04	0.951	5.79	-0.186	0	0	24.96	0	0	0	0	44.8	0.383	8.572
J2131	0.07	1.04	1332.61	4/13/2017 11:55	1.04	0	109.05	0	1.76	-0.039	0	0	23.96	0	0	0	0	12.95	0.935	8.421
J2134	0.07	0.88	1378.68	4/13/2017 11:58	0.88	31.56	319.3	0.498	4.84	-0.17	0	0	25.12	0	0	0	0	37.53	0.235	8.508
J2136	0.03	0.43	1405.17	4/13/2017 11:55	0.43	90.41	90.41	0.94	0.94	-0.049	0	0	17.57	0	0	0	0	9.63	0.915	9.388
J2140	0.05	0.48	1395.85	4/13/2017 11:55	0.48	29.44	119.47	0.334	1.27	-0.088	0	0	17.52	0	0	0	0	12.68	1.462	9.422
J2153	0.06	0.79	1388.8	4/13/2017 11:57	0.79	27.25	288.3	0.422	4.33	-0.13	0	0	25.21	0	0	0	0	33.64	0.205	8.57
J2158	0.18	0.68	1340.53	4/13/2017 12:00	0.68	32.12	288.93	0.496	8.91	-0.265	0	0	16.32	0	0	0	0	64.57	6.26	4.475
J2160	3.05	3.43	1345.43	4/13/2017 12:07	3.43	60.19	278.92	1.14	7.58	-0.076	0	0	14.57	0	0	0	0	55.08	4.06	5.064
J2162	0.12	1.12	1390.18	4/13/2017 11:56	1.12	64.34	261.13	0.974	3.9	-0.182	0	0	24.88	0	0	0	0	30.33	0.2	8.61
J2170	0.43	2.48	1369.42	4/13/2017 12:02	2.48	95	95	1.54	1.54	-0.1	0	0	6.52	0	0	0	0	11.35	0.809	8.37
J2174	0.36	5.15	1349.15	4/13/2017 12:06	5.15	21.72	299.37	0.359	8.41	-0.054	0	0	10.85	0	0	0	0	61.04	5.874	4.904
J2176	0.07	0.7	1378.71	4/13/2017 11:56	0.7	0	263.69	0	3.72	-0.18	0	0	19.3	0	0	0	0	29.05	2.632	9.077
J2183	0.14	0.85	1384.86	4/13/2017 11:55	0.85	95.38	263.94	1.24	3.71	-0.106	0	0	20.15	0	0	0	0	29.05	2.632	9.086
J2185	0.18	4.14	1349.14	4/13/2017 12:06	4.14	93.82	486.72	1.57	8.06	0.063	0	0	17.86	0	0	0	0	58.47	5.596	8.324
J2197	0.09	0.91	1391.63	4/13/2017 11:55	0.91	61.54	175.03	0.753	2.48	-0.055	0	0	20.09	0	0	0	0	19.27	1.861	9.083
J22	0.31	2.28	1275.17	4/13/2017 13:46	2.27	0	73.47	0	10.1	0.053	0	0	12.72	0	0	0	0	90.66	5.859	0.81
J2205	0.08	0.52	1366.78	4/13/2017 12:02	0.52	0	76.23	0	1.3	0.198	0	0	11.48	0	0	0	0	9.61	0.626	7.932
J2207	0.05	0.62	1383.64	4/13/2017 11:56	0.62	47.57	192.95	0.72	2.93	-0.224	0	0	21.38	0	0	0	0	21.52	3.217	8.966
J2214	0.11	0.84	1356.35	4/13/2017 12:00	0.84	46.52	401.21	0.782	6.44	-0.678	0	0	21.16	0	0	0	0	47.05	4.597	8.527

Junctions SWMM 50-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2216	0.06	0.56	1368.5	4/13/2017 11:57	0.56	73.31	73.31	1.29	1.29	-0.74	0	0	10.44	0	0	0	0	9.61	0.626	7.629
J2218	0.12	0.9	1388.41	4/13/2017 11:55	0.9	0	146.8	0	2.21	-0.184	0	0	28.1	0	0	0	0	15.96	2.793	9.198
J2220	0.08	1.51	1399.68	4/13/2017 11:56	1.5	85.45	200.51	1.19	2.93	-0.099	0	0	21.49	0	0	0	0	22.69	0.197	8.837
J2223	0.12	0.83	1358.45	4/13/2017 12:00	0.83	57.6	125.24	0.942	2.24	-0.861	0	0	16.17	0	0	0	0	16.78	0.9	7.464
J2227	0.07	0.93	1360.53	4/13/2017 11:59	0.93	95.78	354.47	1.33	5.66	-0.053	0	0	20.07	0	0	0	0	41.11	4.341	8.622
J2229	0.1	0.85	1395.3	4/13/2017 11:55	0.85	0	148.36	0	2.2	-0.131	0	0	31.15	0	0	0	0	15.96	2.793	9.296
J2235	0.14	1.08	1362.08	4/13/2017 11:59	1.08	0	270.53	0	4.32	-0.082	0	0	19.92	0	0	0	0	31.55	3.457	8.575
J2237	0.37	4.37	1386.98	4/13/2017 11:55	4.37	92	92	1.23	1.23	-0.009	0	0	6.63	0	0	0	0	9.01	1.501	10.211
J2243	0.1	0.54	1400.32	4/13/2017 11:55	0.54	115.33	115.33	1.72	1.72	-0.033	0	0	14.46	0	0	0	0	13.07	1.708	8.824
J2246	0.12	0.83	1365.84	4/13/2017 11:59	0.83	41.72	270.76	0.536	4.32	-0.086	0	0	25.17	0	0	0	0	31.55	3.457	8.582
J2250	0.06	0.66	1400.47	4/13/2017 11:55	0.65	149.2	149.2	2.2	2.2	-0.019	0	0	31.34	0	0	0	0	15.96	2.793	9.348
J2252	0.06	0.75	1401.94	4/13/2017 11:55	0.75	115.67	115.67	1.74	1.74	-0.037	0	0	18.25	0	0	0	0	13.47	0.139	8.587
J2269	0.04	0.4	1372.05	4/13/2017 12:00	0.4	60.22	60.22	0.99	0.99	-0.359	0	0	21.6	0	0	0	0	7.23	0.606	8.329
J2272	0.05	0.52	1357.09	4/13/2017 12:00	0.52	28.94	87.16	0.472	1.47	-1.282	0	0	21.48	0	0	0	0	10.66	0.917	8.176
J2274	0.08	1	1369.07	4/13/2017 11:59	1	36.13	236.4	0.537	3.78	-0.068	0	0	25	0	0	0	0	27.67	3.165	8.544
J2290	0.08	0.68	1372.68	4/13/2017 11:58	0.68	104.54	203.69	1.64	3.24	-0.132	0	0	23.32	0	0	0	0	23.89	2.712	8.526
J23	0.73	4.45	1295.45	4/13/2017 12:31	4.45	43.06	183.37	0.65	7.01	-0.084	0	0	14.55	0	0	0	0	51.58	3.371	3.555
J24	0.13	0.94	1302.79	4/13/2017 11:56	0.94	44.59	346.56	0.603	4.89	-0.039	0	0	12.06	0	0	0	0	45.45	7.996	7.625
J25	0.2	1.06	1289.4	4/13/2017 12:15	1.06	0	397.1	0	8.9	-0.254	0	0	28.94	0	0	0	0	96.94	3.681	4.096
J26	1.74	3.86	1306.54	4/13/2017 12:54	3.86	0	890.19	0	62.1	3.773	0	0	6.14	0	0	0	0	1333.52	27.051	0.668
J2692	1.85	5.16	1342.33	4/13/2017 12:05	5.14	72.67	792.58	1.04	8.24	-0.274	0	0	27.84	0	0	0	0	56.42	9.439	14.048
J2693	0.05	0.65	1323.21	4/13/2017 12:02	0.65	0	299.69	0	5.24	-1.135	0	0	11.35	0	0	0	0	44.22	0.646	6.777
J2694	0.25	2.96	1296.96	4/13/2017 12:00	2.96	31.09	217.07	0.421	3.52	0.144	0	0	17.04	0	0	0	0	24.44	3.427	8.882
J2696	0.14	1.08	1325.08	4/13/2017 11:56	1.08	59.8	277.16	0.766	4.27	-0.183	0	0	26.92	0	0	0	0	30.41	3.152	9.114
J2698	0.09	0.88	1287.88	4/13/2017 12:02	0.88	0	165.35	0	2.84	-0.204	0	0	10.12	0	0	0	0	22.11	1.432	7.479
J2699	0.14	1.22	1273.22	4/13/2017 11:58	1.22	114.08	114.08	1.83	1.83	-0.275	0	0	22.78	0	0	0	0	13.23	1.247	8.623
J27	0.11	0.83	1307.8	4/13/2017 11:55	0.83	56.65	257.61	0.757	3.54	-0.034	0	0	12.17	0	0	0	0	32.26	6.458	7.985
J2705	0.3	1.8	1314.29	4/13/2017 12:00	1.8	33.06	562.91	0.498	13.4	-0.015	0	0	23.2	0	0	0	0	94.13	18.052	5.98
J2706	6.11	15.22	1277.52	4/13/2017 16:03	15.22	31.23	19160.68	0.248	2600	0.032	0	0	26.78	0	0	0	0	541.36	40.84	35.394
J2707	0.59	2.47	1270.87	4/13/2017 12:22	2.47	49.03	1203.13	0.455	96.9	-0.002	0	0	25.53	0	0	0	0	1656.15	37.249	0.726
J2712	3.67	9.68	1271.68	4/13/2017 13:49	9.68	0	7484.89	0	763	0.034	0	0	23.32	0	0	0	0	757.82	32.815	9.877
J2714	0.09	0.7	1306	4/13/2017 12:03	0.7	0	71.32	0	2.45	-0.452	0	0	12.3	0	0	0	0	21.38	1.725	3.336
J2718	0.15	1.11	1295.11	4/13/2017 12:04	1.11	0	240.13	0	5.11	-0.571	0	0	12.89	0	0	0	0	43.7	2.65	5.495
J2720	0.12	0.74	1309.74	4/13/2017 12:01	0.74	0	165.13	0	2.83	-0.115	0	0	11.26	0	0	0	0	26.79	4.098	6.164
J2722	2.37	3.58	1278.58	4/13/2017 13:41	3.58	45.06	253.12	0.509	10	0.88	0	0	26.42	0	0	0	0	88.12	5.594	2.872
J2723	0.28	1.28	1282.28	4/13/2017 12:11	1.28	56.32	152.17	0.509	1.72	-2.62	0	0	20.72	0	0	0	0	25.3	1.137	6.015
J2724	0.83	3.29	1296.29	4/13/2017 13:07	3.29	60.77	887.08	1.01	60.9	0.416	0	0	16.71	0	0	0	0	1355.07	28.491	0.655
J2726	0.07	0.41	1262.75	4/13/2017 12:08	0.41	18.52	63.42	0.17	1.21	-0.946	0	0	11.59	0	0	0	0	24.45	2.144	2.594
J2729	0.87	1.25	1345.43	4/13/2017 12:07	1.25	34.26	246.25	0.5	6.44	-0.118	0	0	16.75	0	0	0	0	46.97	3.062	5.243
J2732	4.81	14.98	1274.98	4/13/2017 15:58	14.96	86.27	19248.54	0.713	2600	0.063	0	0	13.02	0	0	0	0	564.77	43.358	34.082
J2734	0.27	1.31	1307.96	4/13/2017 12:03	1.31	0	450.86	0	14.2	0.193	0	0	10.69	0	0	0	0	142.79	5.198	3.158
J2736	0.1	0.87	1326.87	4/13/2017 12:00	0.87	53.45	201.76	0.707	3.2	-0.766	0	0	18.13	0	0	0	0	29.05	0	6.945
J2737	0.1	0.76	1344.76	4/13/2017 12:00	0.75	90.77	158.44	1.04	2.43	-0.088	0	0	107.24	0	0	0	0	24.67	2.91	6.422
J2739	0.12	1.54	1292.92	4/13/2017 12:02	1.54	48.25	204.6	0.928	4.13	-0.261	0	0	16.46	0	0	0	0	32.17	0.809	6.36
J2740	0.13	0.9	1275.66	4/13/2017 12:01	0.9	106.05	187.26	1.9	3.24	-4.742	0	0	11.1	0	0	0	0	25.68	0.026	7.292
J2746	0.08	0.8	1342.8	4/13/2017 11:57	0.8	0	196.02	0	2.38	-0.506	0	0	28.2	0	0	0	0	23.57	3.483	8.317
J2748	0.04	0.42	1306.96	4/13/2017 12:02	0.42	10.17	96.2	0.108	1.18	-5.071	0	0	15.58	0	0	0	0	16.68	0.004	5.767
J2750	0.23	1.49	1288.57	4/13/2017 15:54	1.49	40.98	311.74	0.395	5.01	-0.681	0	0	18.51	0	0	0	0	41.92	5.06	7.437
J2751	1.05	2.27	1291.16	4/13/2017 13:18	2.27	68.41	113.19	1.17	2.16	12.374	0	0	5.73	0	0	0	0	15.82	0.944	7.155
J2753	0.09	1.16	1322.21	4/13/2017 11:55	1.16	60.61	239.91	0.839	3.71	-0.535	0	0	23.84	0	0	0	0	26.27	2.992	9.132
J2754	0.1	2.08	1290.08	4/13/2017 12:03	2.08	0	258.47	0	3.56	0.115	0	0	23.92	0	0	0	0	30.75	3.806	8.406
J2756	2.51	7.06	1286.06	4/13/2017 13:35	7.06	0	7457.67	0	751	0.053	0	0	9.94	0	0	0	0	606.91	24.663	12.288
J2772	0.97	2.75	1306.54	4/13/2017 12:53	2.75	0	178.42	0	3.13	15.641	0	0	10.25	0	0	0	0	23.96	0.004	7.447
J2774	0.15	1.19	1287.19	4/13/2017 11:59	1.19	70.62	612.58	0.909	8.6	-0.113	0	0	21.81	0	0	0	0	79.29	13.518	7.726
J2776	0.14	1.67	1357.67	4/13/2017 11:57	1.67	76.54	483.45	0.832	6.2	-0.071	0	0	38.33	0	0	0	0	58.76	7.319	8.228
J2778	0.36	1.69	1299.69	4/13/2017 12:03	1.69	0	178.35	0	6.97	-1.35	0	0	14.31	0	0	0	0	58.73	6.107	3.037
J2779	0.28	2.17	1286.62	4/13/2017 12:00	2.17	28.09	822.29	0.384	18.1	-0.111	0	0	22.83	0	0	0	0	125.32	24.382	6.562
J2781	6.36	16.18	1283.18	4/13/2017 16:00	16.18	49.34	19180.55	0.378	2580	0.134	0	0	10.82	0	0	0	0	238.05	14.105	80.574

Junctions SWMM 50-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2789	4.4	14.64	1285.66	4/13/2017 14:35	14.64	31.86	525.64	0.392	15.6	3.021	0	0	36.36	0	0	0	0	89.65	5.747	5.863
J2790	10.18	20.99	1283.99	4/13/2017 14:36	20.99	63.58	39001.88	0.757	5570	0.09	0	0	34.01	0	0	0	0	570.08	31.912	68.415
J2793	3.34	9.05	1298.07	4/13/2017 13:29	9.05	43.31	7452.47	0.362	747	0.054	0	0	42.95	0	0	0	0	537.16	23.499	13.874
J2795	0.58	2.25	1294.34	4/13/2017 12:02	2.25	48.59	465.49	0.541	16.3	-0.466	0	0	13.75	0	0	0	0	133.47	8.332	3.488
J2796	0.14	0.72	1292.36	4/13/2017 12:12	0.72	0	221.61	0	4.6	-0.041	0	0	10.28	0	0	0	0	40.39	2.452	5.487
J2797	0.08	0.71	1289.49	4/13/2017 12:03	0.71	21.18	197.74	0.222	3.74	-0.258	0	0	11.29	0	0	0	0	44.15	0.59	4.479
J2798	0.11	0.98	1303.39	4/13/2017 12:00	0.98	56.27	143.37	0.741	4.96	-0.056	0	0	24.02	0	0	0	0	36	2.727	3.982
J28	0.28	2.07	1324.07	4/13/2017 12:25	2.07	0	267.23	0	4.5	0.104	0	0	10.93	0	0	0	0	33.66	1.659	7.939
J2802	0.12	1.17	1359.14	4/13/2017 12:05	1.17	30.09	486.67	0.502	11.9	-0.034	0	0	22.83	0	0	0	0	89.02	8.429	5.467
J2803	0.08	0.71	1339.2	4/13/2017 11:55	0.71	46.7	109.4	0.593	1.76	-0.057	0	0	17.29	0	0	0	0	12.95	0.935	8.448
J2807	0.5	2.81	1350.94	4/13/2017 12:04	2.81	45.79	249.14	0.603	4.34	0.452	0	0	14.19	0	0	0	0	32.1	1.839	7.761
J2812	0.04	0.25	1292.79	4/13/2017 12:00	0.25	15.6	15.6	0.284	0.284	-0.778	0	0	13.75	0	0	0	0	2.24	0.032	6.964
J2817	0.64	5.07	1320.07	4/13/2017 12:15	5.07	0	586.63	0	26.6	0.017	0	0	13.93	0	0	0	0	373.68	13.843	1.57
J2820	0.99	3.66	1307.66	4/13/2017 12:52	3.66	49.52	572.18	1	18.4	3.526	0	0	7.34	0	0	0	0	174.65	6.391	3.276
J2823	0.1	0.73	1310.73	4/13/2017 11:55	0.73	75.22	204.51	1.06	2.79	-0.055	0	0	12.27	0	0	0	0	25.44	5.286	8.039
J2829	0.52	5	1304	4/13/2017 12:05	5	56.87	406.24	0.941	8.49	-0.06	0	0	22	0	0	0	0	79.83	8.432	5.089
J2831	0.25	1.4	1290.4	4/13/2017 12:03	1.4	0	461.71	0	17.1	-0.234	0	0	15.6	0	0	0	0	140.69	9.875	3.282
J2835	0.08	0.71	1276.8	4/13/2017 12:00	0.71	22.74	204.88	0.322	3.76	-0.185	0	0	13.29	0	0	0	0	38.77	3.874	5.284
J2842	2.46	7.22	1303.22	4/13/2017 13:31	7.22	33.64	7079.88	0.328	706	0.014	0	0	18.78	0	0	0	0	42.5	1.316	166.585
J2846	8.64	19.8	1262.05	4/13/2017 15:21	19.8	70.47	50656.95	1.06	8050	0.111	0	0	31.2	0	0	0	0	2232.33	191.465	22.692
J2851	0.16	1.84	1300.84	4/13/2017 11:57	1.83	143.52	621.05	2.18	9.64	-0.059	0	0	19.16	0	0	0	0	69.44	6.079	8.944
J2857	0.31	1.45	1307.7	4/13/2017 12:50	1.45	83.06	526.59	1.55	16.8	-0.055	0	0	10.55	0	0	0	0	163.2	6.011	3.227
J2860	0.12	1.73	1281.51	4/13/2017 12:00	1.73	54.81	921	0.766	14.8	-0.023	0	0	23.27	0	0	0	0	106.73	9.461	8.629
J2861	0.15	1.02	1312.54	4/13/2017 12:00	1.02	375.98	375.98	12.4	12.4	-0.106	0	0	10.98	0	0	0	0	128.98	5.198	2.915
J2864	6.75	15.76	1266.75	4/13/2017 15:17	15.76	142.23	49706.42	2.07	7940	0.05	0	0	50.24	0	0	0	0	1433.62	99.695	34.672
J2869	7.62	18.31	1273.16	4/13/2017 14:57	18.31	11.98	38758.78	0.118	5540	0.066	0	0	99.69	0	0	0	0	676.02	38.467	57.334
J2870	0.32	1.36	1302.37	4/13/2017 12:55	1.36	0	874.74	0	58.1	0.006	0	0	9.64	0	0	0	0	1333.52	27.051	0.656
J2878	0.13	1.09	1369.09	4/13/2017 11:58	1.09	94.17	539.34	1.48	8.14	-0.33	0	0	25.91	0	0	0	0	61.37	6.774	8.788
J2882	0.96	3.1	1288.32	4/13/2017 13:09	3.1	65.55	935.69	0.936	73.1	0.041	0	0	16.9	0	0	0	0	1456.34	32.095	0.642
J2885	0.1	0.94	1280.34	4/13/2017 12:00	0.94	41.63	271.75	0.631	6.24	-0.114	0	0	24.06	0	0	0	0	50.35	6.582	5.397
J2886	0.4	2.11	1305.11	4/13/2017 12:01	2.11	103.72	652.07	1.48	36.8	-0.097	0	0	22.89	0	0	0	0	448.01	19.458	1.455
J2887	6.11	16.02	1276.52	4/13/2017 14:46	16.02	0	38971.62	0	5560	0.054	0	0	12.98	0	0	0	0	634.58	37.727	61.413
J2891	0.63	3.78	1296.96	4/13/2017 12:00	3.78	0	978.23	0	33.9	-0.047	0	0	13.22	0	0	0	0	243.55	22.026	4.017
J2893	6	14.9	1289.65	4/13/2017 14:31	14.9	0	38975.9	0	5570	0.033	0	0	20.1	0	0	0	0	295.37	12.261	131.956
J2894	0.41	1.97	1308.1	4/13/2017 12:08	1.97	0	837.47	0	27.1	-0.049	0	0	34.03	0	0	0	0	195.8	16.616	4.277
J2898	0.13	1.28	1255.31	4/13/2017 12:04	1.28	29.42	398.85	0.295	8.02	-0.374	0	0	30.72	0	0	0	0	171.23	11.847	2.329
J2899	2.98	8.44	1292.56	4/13/2017 13:31	8.44	47.29	7458.65	0.5	749	0.127	0	0	43.56	0	0	0	0	561.59	23.502	13.281
J2900	0.04	0.52	1261.52	4/13/2017 12:09	0.52	35.34	166.33	0.412	2.91	0.414	0	0	13.48	0	0	0	0	55.65	3.587	2.989
J2901	0.2	1.02	1303.02	4/13/2017 12:03	1.02	10.38	73.07	0.124	2.59	-0.36	0	0	11.98	0	0	0	0	22.65	1.858	3.226
J2902	0.77	2.77	1265.62	4/13/2017 12:25	2.77	93.25	1804.99	1.26	125	-0.088	0	0	22.23	0	0	0	0	1907.07	47.333	0.946
J2905	0.14	1.39	1286.39	4/13/2017 12:00	1.39	32.13	448.78	0.396	10.2	-0.221	0	0	25.61	0	0	0	0	75.2	4.602	5.968
J2907	0.09	0.49	1284.49	4/13/2017 12:00	0.49	35.83	35.83	0.658	0.658	-0.599	0	0	10.51	0	0	0	0	108.49	6.603	0.33
J2913	7.83	18.06	1293.56	4/13/2017 14:30	18.06	103.85	38977.68	1.05	5570	0.059	0	0	28.94	0	0	0	0	263.32	9.948	148.024
J2915	4.72	11.08	1266.08	4/13/2017 13:55	11.08	0	7423.5	0	764	0.034	0	0	18.92	0	0	0	0	802.92	36.077	9.246
J2917	0.19	1.36	1301.66	4/13/2017 12:01	1.36	0	311.61	0	14	-0.006	0	0	15.64	0	0	0	0	109.68	5.121	2.841
J2919	0.94	3.87	1275.87	4/13/2017 12:18	3.87	113.63	1041.79	1.67	88.5	0.029	0	0	27.13	0	0	0	0	1582.22	34.77	0.658
J2923	9.85	20.59	1263.59	4/13/2017 15:19	20.59	92.23	50638.18	1.11	8050	0.08	0	0	30.41	0	0	0	0	2181.01	185.82	23.218
J2924	2.52	10.57	1288.57	4/13/2017 15:53	10.57	21.4	477.34	0.147	14.3	1.116	0	0	10.43	0	0	0	0	147.44	11.763	3.238
J2934	0.87	3.58	1281.08	4/13/2017 12:09	3.58	36.03	676.42	0.352	25.2	-0.306	0	0	45.42	0	0	0	0	221.24	22.866	3.057
J2936	6.85	16.22	1291.22	4/13/2017 14:30	16.22	31.12	38972.62	0.37	5560	0.021	0	0	29.78	0	0	0	0	266.17	9.951	146.42
J2937	6.82	19.79	1274.89	4/13/2017 15:58	19.65	41.01	17852.68	0.465	2420	0.022	0	0	12.21	0	0	0	0	635.39	50.168	28.097
J2942	0.76	3.14	1280.14	4/13/2017 16:01	3.14	0	649.93	0	25.3	-0.094	0	0	35.86	0	0	0	0	221.24	22.866	2.938
J2945	7.97	19.06	1259.06	4/13/2017 15:20	19.06	0	42166.16	0	7610	0.058	0	0	15.94	0	0	0	0	2544.34	227.774	16.573
J2949	9.28	21.11	1256.11	4/13/2017 15:23	21.11	0.45	56972.9	0.009	8930	0.031	2.59	1.59	7.89	0	0	0	0	3582.93	274.53	15.901
J2952	0.4	1.37	1303.37	4/13/2017 12:54	1.37	0	874.73	0	58.1	0.003	0	0	9.63	0	0	0	0	1333.52	27.051	0.656
J2954	1.57	5.11	1281.49	4/13/2017 13:20	5.11	88.38	980.18	1.24	81.8	0.125	0	0	21.89	0	0	0	0	1527.47	32.968	0.642
J2956	6.15	14.98	1289.48	4/13/2017 14:31	14.98	0	39025.09	0	5580	0.063	0	0	29.02	0	0	0	0	396.01	21.079	98.546
J2959	0.4	3.58	1275.22	4/13/2017 12:03	3.58	39.96	2845.93	0.521	72.9	-0.007	0	0	24.42	0	0	0	0	516.37	59.748	5.511

Junctions SWMM 50-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2960	3.13	9.86	1258.79	4/13/2017 15:17	9.86	0.02	7379.04	0.001	768	0.067	0	0	16.14	0	0	0	0	890.28	40.185	8.288
J2962	1.13	4.14	1280.14	4/13/2017 16:01	4.14	0	753.48	0	33.2	-1.229	0	0	37.86	0	0	0	0	261.26	24.142	2.884
J2963	5.18	14.75	1258.75	4/13/2017 15:19	14.75	12.25	12596.09	0.237	1190	0.252	0	0	16.25	0	0	0	0	3151.85	232.619	3.996
J2965	8.44	19.28	1284.08	4/13/2017 14:35	19.28	66.18	39003.53	0.87	5570	0.032	0	0	42.72	0	0	0	0	562.76	31.826	69.308
J2966	0.1	0.66	1286.66	4/13/2017 12:18	0.66	51.6	325.97	1.07	11.6	-0.027	0	0	9.34	0	0	0	0	118.01	4.376	2.762
J2967	3.99	11.21	1275.16	4/13/2017 13:46	11.21	0	7500.38	0	762	0.043	0	0	9.79	0	0	0	0	733.72	31.25	10.222
J2968	7.07	17.53	1288.57	4/13/2017 15:53	17.53	41.35	19205.45	0.447	2580	0.058	0	0	16.47	0	0	0	0	199.02	12.688	96.5
J2971	7.05	17.42	1259.92	4/13/2017 15:21	17.42	178.57	45316.94	2.36	7760	0.096	0	0	29.58	0	0	0	0	2385.35	211.463	18.998
J2972	6.96	16.67	1291.92	4/13/2017 14:30	16.67	0	38973.58	0	5570	0.025	0	0	30.33	0	0	0	0	263.32	9.948	148.008
J2973	5.08	15.57	1291.57	4/13/2017 15:51	15.57	38.78	19263.03	0.347	2570	0.035	0	0	20.43	0	0	0	0	83.18	0.991	231.582
J2976	0.98	5.07	1277.07	4/13/2017 12:03	5.07	0	2034.36	0	57	-0.118	0	0	22.93	0	0	0	0	402.44	50.036	5.055
J2977	1.24	4.43	1275.43	4/13/2017 12:20	4.43	0	1210.55	0	94.2	0.018	0	0	21.57	0	0	0	0	1631.31	37.221	0.742
J2978	7.92	18.29	1259.38	4/13/2017 15:21	18.29	3.11	45318.61	0.018	7770	0.058	0	0	18.71	0	0	0	0	2501.97	223.678	18.113
J2982	0.59	2.67	1289.67	4/13/2017 13:09	2.67	60.99	901.79	0.802	67.1	0.048	0	0	13.33	0	0	0	0	1404.98	29.446	0.642
J2984	6.82	15.93	1278.45	4/13/2017 16:01	15.93	0	19151.72	0	2600	0.014	0	0	26.07	0	0	0	0	520.27	38.604	36.811
J2989	3.08	9	1298.62	4/13/2017 13:29	9	68.62	7447.43	0.652	744	0.056	0	0	41	0	0	0	0	508.79	21.167	14.638
J2990	0.67	2.55	1266.55	4/13/2017 12:24	2.55	107.29	1696.33	1.55	119	-0.021	0	0	22.45	0	0	0	0	1856.22	45.633	0.914
J2991	7.11	16.3	1266.3	4/13/2017 14:25	16.24	31.75	49698.53	0.347	7940	0.037	0	0	49.7	0	0	0	0	1440.67	100.39	34.497
J2994	9.35	21.07	1255.87	4/13/2017 15:24	21.07	0.09	56972.79	0.002	8930	0.021	0	0	19.93	0	0	0	0	3588.22	274.537	15.878
J2995	0.3	2.59	1320.67	4/13/2017 12:09	2.59	89.34	632.68	1.35	19.4	-0.303	0	0	22.41	0	0	0	0	141.25	11.396	4.479
J29951	0.36	2.28	1309.28	4/13/2017 12:08	2.28	0	840.35	0	27.1	-0.022	0	0	19.72	0	0	0	0	195.8	16.616	4.292
J2996	0.28	1.9	1314.69	4/13/2017 12:08	1.9	0	745.9	0	23.4	-0.005	0	0	20.1	0	0	0	0	169.53	13.624	4.4
J2997	0.49	4.76	1320.42	4/13/2017 12:08	4.76	39.05	754.32	0.579	23.4	0.108	0	0	20.24	0	0	0	0	169.53	13.624	4.449
J2999	8.7	21.01	1257.01	4/13/2017 15:23	21.01	15.92	57065.42	0.115	8950	0.126	0	0	7.99	0	0	0	0	3578.82	274.491	15.945
J3	0.8	4.71	1385.21	4/13/2017 11:56	4.71	113	113	1.6	1.6	0.011	0	0	9.29	0	0	0	0	12.26	1.413	9.217
J30	4.5	13.33	1276.33	4/13/2017 16:02	13.33	24.19	19291.65	0.209	2600	0.027	0	0	17.67	0	0	0	0	547.74	41.433	35.22
J3001	10.49	22.17	1258.42	4/13/2017 15:21	22.17	98.44	57112.23	1.13	8950	0.09	0	0	29.83	0	0	0	0	3503.62	270.129	16.301
J3002	7.65	18.18	1253.08	4/13/2017 15:28	18.18	0.44	56947.83	0.008	8930	0.099	0	0	20.82	0	0	0	0	3874.93	293.395	14.696
J3003	2.98	8.88	1258.88	4/13/2017 15:13	8.88	0	7397.54	0	765	0.012	0	0	26.12	0	0	0	0	821.84	36.593	9.001
J3004	6	14.06	1268	4/13/2017 13:55	14.06	81.87	7457.98	0.811	769	0.299	0	0	19.94	0	0	0	0	802.92	36.077	9.289
J3006	5.54	14.9	1278.94	4/13/2017 13:44	14.9	0	7412.71	0	752	0.026	0	0	7.1	0	0	0	0	643.06	25.39	11.527
J3007	5.25	11.36	1307.56	4/13/2017 13:30	11.36	29.73	7079.79	0.389	706	0.028	0	0	8.64	0	0	0	0	38.45	1.048	184.13
J3018	0.85	5.07	1310.07	4/13/2017 12:01	5.07	32.04	893.59	0.559	12.9	-0.076	0	0	11.93	0	0	0	0	116.75	17.391	7.654
J3019	0.13	1.03	1306.5	4/13/2017 12:00	1.03	38.53	918.74	0.662	13.6	-0.043	0	0	15.97	0	0	0	0	120.91	18.56	7.599
J3020	0.21	3.44	1342.24	4/13/2017 12:04	3.43	62.81	425.06	1.04	8.77	-0.097	0	0	29.56	0	0	0	0	63.56	10.581	6.688
J3022	8.5	18.78	1269.78	4/13/2017 15:15	18.78	0	49761.36	0	7950	0.059	0	0	8.22	0	0	0	0	1392.7	96.443	35.73
J3023	7.19	19.72	1274.72	4/13/2017 15:57	19.7	39	20697.39	0.313	2590	0.062	0	0	12.28	0	0	0	0	629.35	49.581	32.887
J3024	6.76	16.15	1280.14	4/13/2017 16:01	16.15	39.16	19150.28	0.284	2610	0.065	0	0	22.85	0	0	0	0	520.27	38.604	36.808
J3025	8.58	19.34	1274.34	4/13/2017 14:53	19.34	124.49	38912.43	1.15	5570	0.206	0	0	10.66	0	0	0	0	674.15	38.21	57.721
J3026	12.78	23.67	1285.66	4/13/2017 14:35	23.67	60.96	39011.7	0.61	5580	0.088	0	0	38.33	0	0	0	0	552.76	30.156	70.576
J3027	4.46	14.66	1285.66	4/13/2017 14:35	14.66	0	534.92	0	12.6	4.56	0	0	12.34	0	0	0	0	86.64	5.604	6.174
J3044	6.47	12.73	1307.73	4/13/2017 13:30	12.73	28.64	7075.58	0.394	705	0.139	0	0	12.27	0	0	0	0	27.61	0.406	256.269
J3049	8.59	19.43	1270.93	4/13/2017 15:08	19.43	0	35143.7	0	5360	0.096	2.13	1.219	7.571	0	0	0	0	676.02	38.467	51.986
J31	6.73	19.25	1275.25	4/13/2017 15:57	19.22	62.09	37721.06	0.776	2590	0.067	0	0	12.75	0	0	0	0	587.49	46.682	64.207
J32	0.57	4.25	1273.69	4/13/2017 15:57	4.25	23.99	3219.06	0.326	175	-0.015	0	0	21.75	0	0	0	0	36.46	2.87	88.29
J33	6.56	19.84	1274.66	4/13/2017 15:55	19.65	21.47	16817.17	0.162	2420	0.056	3.66	5.348	12.162	0	0	0	0	642.07	50.665	26.192
J35	0.5	4.92	1324.92	4/13/2017 12:00	4.92	80.4	170.93	1.37	2.85	0.181	0	0	14.08	0	0	0	0	21.13	1.299	8.089
J36	3.53	9.03	1263.03	4/13/2017 13:57	9.03	29.66	7423.28	0.301	764	0.009	0	0	12.97	0	0	0	0	807.92	36.177	9.188
J37	0.93	5.51	1316.51	4/13/2017 12:39	5.51	77.96	453.96	1.17	29.7	0.035	0	0	13.49	0	0	0	0	396.18	15.51	1.146
J38	0.3	1.61	1311.61	4/13/2017 12:40	1.61	0	449.89	0	29.7	-0.021	0	0	15.39	0	0	0	0	396.18	15.51	1.136
J39	9.05	20.39	1254.99	4/13/2017 15:25	20.39	3.57	56955.25	0.042	8920	0.029	0	0	20.61	0	0	0	0	3605.21	275.709	15.798
J4	0.21	4.38	1384.63	4/13/2017 11:57	4.37	0	111.62	0	1.6	-0.14	0	0	9.62	0	0	0	0	12.26	1.413	9.104
J40	0.23	0.92	1319.67	4/13/2017 12:58	0.92	15.33	95.66	0.236	2.82	-2.439	0	0	8.08	0	0	0	0	33.39	2.295	2.865
J41	8.81	19.86	1254.36	4/13/2017 15:26	19.86	0.18	56947.45	0.003	8920	0.032	0	0	21.14	0	0	0	0	3611.78	275.722	15.767
J42	0.29	2.12	1291.12	4/13/2017 12:03	2.12	0	1328.09	0	17.5	-0.575	0	0	63.88	0	0	0	0	191.79	17.143	6.925
J43	0.16	0.5	1337.5	4/13/2017 12:27	0.5	0	49.77	0	3.67	-0.04	0	0	16.5	0	0	0	0	26.74	2.315	1.861
J44	5.53	12.09	1308.09	4/13/2017 13:30	12.09	60.33	7070.42	0.916	705	0.227	0	0	8.91	0	0	0	0	12.65	0.227	558.926
J45	1.02	5.46	1252.46	4/13/2017 15:29	5.46	32.24	879.1	0.502	18	-0.689	0	0	12.54	0	0	0	0	118.64	19.182	7.41

Junctions SWMM 50-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J46	13.07	26.78	1252.03	4/13/2017 15:29	26.78	50.74	56890.37	0.508	8930	0.053	0	0	24.22	0	0	0	0	4043.09	317.678	14.071
J47	12.07	26.66	1246.2	4/13/2017 15:33	26.66	33.23	57393.23	0.247	9070	0.051	0	0	8.34	0	0	0	0	6267.81	379.747	9.157
J48	0.14	0.77	1325.77	4/13/2017 12:01	0.77	20.48	215.75	0.322	3.55	-0.437	0	0	13.23	0	0	0	0	31.58	0	6.832
J49	0.06	0.37	1320.05	4/13/2017 12:00	0.37	35.87	35.87	0.607	0.607	-2.285	0	0	9.63	0	0	0	0	4.72	0.099	7.6
J5	2.75	10.13	1280.14	4/13/2017 16:01	10.13	33.54	743.2	0.266	37.5	0.504	0	0	31.87	0	0	0	0	264.93	24.362	2.805
J55	0.31	3.81	1332.52	4/13/2017 12:06	3.81	0	93.49	0	1.45	0.589	0	0	19.19	0	0	0	0	11.64	1.097	8.032
J57	0.05	0.36	1326.27	4/13/2017 12:07	0.36	0	50.69	0	1.44	-1.519	0	0	11.64	0	0	0	0	11.64	1.097	4.355
J58	0.07	0.47	1315.7	4/13/2017 11:55	0.47	25.55	25.55	0.358	0.358	-1.731	0	0	21.53	0	0	0	0	2.71	0.339	9.428
J59	0.13	0.53	1327.08	4/13/2017 12:27	0.53	0	29.73	0	1.57	-0.061	0	0	20.47	0	0	0	0	10.81	1.784	2.75
J6	0.37	4.62	1384.62	4/13/2017 11:57	4.62	0	111.8	0	1.6	-0.314	0	0	9.38	0	0	0	0	12.26	1.413	9.119
J60	3.02	11.79	1252.46	4/13/2017 15:29	11.79	81.02	5605.13	1.49	111	0.282	0	0	14.21	0	0	0	0	129.67	21.599	43.226
J61	0.41	3.81	1332.81	4/13/2017 12:11	3.81	0	101.3	0	1.59	1.658	0	0	17.19	0	0	0	0	10.81	1.784	9.371
J62	0.45	3.03	1319.95	4/13/2017 12:47	3.03	0	50.62	0	1.46	-0.407	0	0	8.97	0	0	0	0	11.64	1.097	4.349
J63	0.09	0.29	1315.39	4/13/2017 12:48	0.29	0	19.27	0	1.47	-0.115	0	0	11.71	0	0	0	0	11.64	1.097	1.655
J65	0.12	0.42	1309.81	4/13/2017 12:21	0.42	0	53.78	0	3.29	-0.095	0	0	11.58	0	0	0	0	25.46	3.457	2.112
J66	0.56	2.8	1315.8	4/13/2017 12:11	2.8	88.86	353.2	1.53	6.83	-0.464	0	0	14.2	0	0	0	0	54.79	2.29	6.446
J68	0.02	0.28	1271.4	4/13/2017 12:00	0.28	72.47	72.47	1.08	1.08	-1.196	0	0	33.72	0	0	0	0	9.77	1.021	7.418
J69	0.12	0.93	1325.24	4/13/2017 12:02	0.93	36.91	231.97	0.779	7.23	-0.401	0	0	10.07	0	0	0	0	53.37	3.657	4.346
J7	0.12	0.47	1293.56	4/13/2017 12:00	0.47	22.06	57.4	0.269	0.764	-1.532	0	0	16.53	0	0	0	0	7.22	1.543	7.95
J70	9.2	20.74	1255.44	4/13/2017 15:25	20.74	0	56966.74	0	8930	0.079	0	0	20.26	0	0	0	0	3597.99	275.558	15.833
J71	0.04	0.52	1299.52	4/13/2017 12:07	0.52	0	192.92	0	3.86	-0.455	0	0	64.48	0	0	0	0	40.12	1.4	4.809
J725	2.83	8.67	1308.68	4/13/2017 13:30	8.67	59.73	7068.42	0.735	704	0.064	0	0	17.33	0	0	0	0	5.68	0	1244.44
J74	0.93	5.08	1253.08	4/13/2017 15:27	5.08	55.08	444.02	0.739	10.2	-0.414	0	0	13.92	0	0	0	0	193.25	13.502	2.298
J75	0.15	0.71	1322.21	4/13/2017 12:00	0.71	10.09	35.75	0.15	2.23	-0.355	0	0	6.29	0	0	0	0	24.3	1.614	1.471
J76	0.09	0.65	1254.47	4/13/2017 12:00	0.65	108.39	108.39	1.37	1.37	-2.956	0	0	24.35	0	0	0	0	15.09	1.539	7.183
J763	0.31	1.98	1322.47	4/13/2017 12:00	1.98	621.72	621.72	23.4	23.4	-0.108	0	0	21.02	0	0	0	0	349.87	12.194	1.777
J77	1.21	5.16	1305.16	4/13/2017 12:31	5.16	0	223.03	0	9.98	-0.199	0	0	13.84	0	0	0	0	77.13	4.449	2.892
J779	0.13	1.03	1355.07	4/13/2017 12:00	1.03	144.38	144.38	2.76	2.76	-0.028	0	0	36.97	0	0	0	0	20.88	1.241	6.915
J78	3.41	4.59	1318.59	4/13/2017 12:42	4.59	0	188.42	0	15.7	9.222	0	0	5.41	0	0	0	0	123.84	10.356	1.521
J785	0.42	3.57	1320.09	4/13/2017 12:15	3.57	0	608.31	0	23.4	0.113	0	0	19.43	0	0	0	0	349.87	12.194	1.739
J79	0.16	2	1294	4/13/2017 12:03	2	0	433.91	0	16.4	0.116	0	0	14	0	0	0	0	133.47	8.332	3.251
J797	0.08	0.78	1345.18	4/13/2017 12:00	0.78	0	144	0	2.76	-0.705	0	0	37.22	0	0	0	0	20.88	1.241	6.897
J8	0.05	0.66	1377.94	4/13/2017 11:58	0.66	0	106.69	0	1.6	-0.069	0	0	16.34	0	0	0	0	12.26	1.413	8.702
J801	0.03	0.38	1346.25	4/13/2017 12:00	0.38	52.59	52.59	0.814	0.814	-1.071	0	0	22.62	0	0	0	0	6.3	0.098	8.348
J805	0.04	0.32	1314.62	4/13/2017 12:00	0.32	47.11	47.11	1.08	1.08	-0.33	0	0	7.68	0	0	0	0	8.81	0	5.347
J81	0.54	1.98	1319.98	4/13/2017 12:04	1.98	75.41	633.57	1.28	20.6	-0.213	0	0	6.02	0	0	0	0	210.93	7.99	3.004
J810	0.85	4.88	1343.88	4/13/2017 12:25	4.87	54.76	157.51	0.873	3.67	-0.67	0	0	21.12	0	0	0	0	26.74	2.315	5.89
J814	0.42	4.08	1320.08	4/13/2017 12:15	4.08	0	509.1	0	23.4	-0.01	0	0	14.92	0	0	0	0	349.87	12.194	1.455
J816	0.68	2.69	1307.69	4/13/2017 12:44	2.69	991.19	1317.1	26.6	41.2	4.027	0	0	22.31	0	0	0	0	1121.15	19.701	1.175
J819	0.12	1.11	1333.43	4/13/2017 11:57	1.11	0	94.67	0	1.47	-1.153	0	0	17.89	0	0	0	0	10.73	0.848	8.823
J828	0.26	2.87	1343.87	4/13/2017 12:26	2.87	0	143.44	0	2.81	0.297	0	0	23.13	0	0	0	0	20.88	1.241	6.87
J83	0.42	1.73	1320.73	4/13/2017 12:29	1.73	0	163.46	0	9.26	-6.23	0	0	9.27	0	0	0	0	67.92	5.397	2.407
J830	0.05	0.43	1337.15	4/13/2017 11:55	0.43	95.11	95.11	1.47	1.47	-0.066	0	0	18.57	0	0	0	0	10.73	0.848	8.864
J832	0.03	0.28	1317.28	4/13/2017 12:00	0.28	31.71	31.71	0.444	0.444	-3.622	0	0	15.72	0	0	0	0	4.29	0	7.392
J835	0.92	6.07	1320.07	4/13/2017 12:15	6.07	72.35	544.93	1.05	27.7	-0.007	0	0	11.93	0	0	0	0	381.42	14.371	1.429
J837	0.21	2.89	1320.08	4/13/2017 12:15	2.88	28.5	194.37	0.387	3.24	-0.292	0	0	16.11	0	0	0	0	23.81	1.649	8.163
J839	1.74	6.82	1307.73	4/13/2017 13:30	6.82	88.3	88.3	1.51	1.61	-0.036	0	0	18.18	0	0	0	0	12	0	7.358
J84	0.04	0.62	1269	4/13/2017 12:00	0.62	82.89	82.89	1.06	1.06	-3.985	0	0	11.38	0	0	0	0	12.98	0.024	6.386
J842	0.47	2.88	1316.55	4/13/2017 12:39	2.88	0	540.85	0	27.7	-0.16	0	0	19.12	0	0	0	0	381.42	14.371	1.418
J844	0.08	0.72	1309.56	4/13/2017 12:00	0.72	97.92	97.92	1.73	1.73	-1.366	0	0	11.28	0	0	0	0	13.81	0	7.091
J848	0.6	2.39	1307.29	4/13/2017 12:48	2.39	46.01	670.92	0.706	40.3	-0.826	0	0	13.61	0	0	0	0	1127.09	19.704	0.595
J85	0.33	2.3	1307.3	4/13/2017 12:11	2.3	67.95	177.54	0.927	4.19	-0.57	0	0	13.7	0	0	0	0	30.38	2.581	5.844
J854	0.05	0.43	1312.91	4/13/2017 12:04	0.43	0	46.18	0	1.08	-1.923	0	0	9.57	0	0	0	0	8.81	0	5.242
J856	1.72	6.59	1307.56	4/13/2017 13:30	6.59	51.99	51.99	1.04	1.09	-0.051	0	0	1.41	0	0	0	0	7.82	0.638	6.648
J860	0.81	2.46	1306.54	4/13/2017 12:53	2.46	40.15	40.15	0.613	0.727	6.115	0	0	7.54	0	0	0	0	7.28	0	5.515
J862	0.21	1.82	1318.82	4/13/2017 12:05	1.82	0	604.38	0	20.6	-0.014	0	0	8.18	0	0	0	0	210.93	7.99	2.865
J867	0.07	0.6	1332.75	4/13/2017 12:00	0.6	86.13	134.94	1.3	2.13	-0.868	0	0	22.4	0	0	0	0	16.16	0.491	8.35
J87	0.33	5.12	1290.12	4/13/2017 12:04	5.11	47.24	386.37	0.675	5.61	-0.056	0	0	20.88	0	0	0	0	45.91	6.038	8.416

Junctions SWMM 50-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J870	0.69	4.51	1316.51	4/13/2017 12:39	4.51	52.74	557.16	0.845	28.6	0.014	0	0	17.49	0	0	0	0	388.08	14.38	1.436
J873	0.02	0.51	1308.74	4/13/2017 12:00	0.51	57.1	57.1	0.612	0.612	-0.569	0	0	12.49	0	0	0	0	11.05	0.002	5.167
J875	0.03	0.32	1346.2	4/13/2017 11:58	0.32	49.69	49.69	0.716	0.716	-3.802	0	0	13.68	0	0	0	0	5.5	0.105	9.035
J877	0.1	0.82	1334.82	4/13/2017 12:00	0.82	115.94	115.94	1.46	1.46	-0.301	0	0	26.18	0	0	0	0	16.9	1.499	6.86
J879	0.1	0.8	1338.97	4/13/2017 11:55	0.8	194.18	194.18	3.17	3.17	-0.062	0	0	19.2	0	0	0	0	23.74	1.348	8.179
J88	1.46	4.64	1282.61	4/13/2017 12:09	4.64	124.57	1611.22	1.48	27.7	-0.215	0	0	65.36	0	0	0	0	301.92	22.833	5.337
J882	0.11	0.87	1328.87	4/13/2017 12:00	0.87	36.16	204.49	0.629	6.44	-0.2	0	0	16.13	0	0	0	0	47.46	3.25	4.309
J896	0.18	1.66	1307.66	4/13/2017 12:52	1.66	25.58	537.41	0.468	17.3	-0.391	0	0	10.34	0	0	0	0	166.63	6.317	3.225
J9	1.94	2.7	1256.97	4/13/2017 15:36	2.7	33.23	119.19	0.449	4.35	20.621	0	0	12.3	0	0	0	0	61.67	3.56	1.933
J90	0.08	0.88	1299.81	4/13/2017 12:01	0.88	140.64	1329.34	1.74	17.5	-0.149	0	0	62.12	0	0	0	0	191.79	17.143	6.931
J900	0.23	1.18	1308.87	4/13/2017 12:41	1.18	36.94	454.15	0.658	30.4	-0.017	0	0	14.82	0	0	0	0	400.64	16.31	1.134
J906	2.4	7.07	1302.7	4/13/2017 13:31	7.07	0	7079.86	0	706	0.03	0	0	13.93	0	0	0	0	42.5	1.316	166.585
J910	0.88	2.54	1306.54	4/13/2017 12:57	2.54	52.65	91.94	0.734	1.24	12.782	0	0	11.46	0	0	0	0	7.82	0.952	11.757
J92	0.34	2.3	1283.6	4/13/2017 12:05	2.3	280.84	1661.37	3.45	26.1	-0.431	0	0	67.7	0	0	0	0	284.56	22.341	5.838
J921	0.06	0.44	1330.51	4/13/2017 12:00	0.44	71.46	71.46	1.16	1.16	-0.92	0	0	19.56	0	0	0	0	9.48	0.87	7.538
J925	0.14	1.38	1327.5	4/13/2017 11:57	1.38	58.4	235.31	0.849	3.76	-0.101	0	0	16.62	0	0	0	0	26.88	2.741	8.754
J927	0.41	1.78	1301.17	4/13/2017 12:58	1.78	33.41	877.06	0.575	58.7	-0.112	0	0	16.22	0	0	0	0	1338.37	27.806	0.655
J93	0.16	1.08	1283.69	4/13/2017 12:04	1.07	0	241.6	0	5.61	-0.043	0	0	21.92	0	0	0	0	45.91	6.038	5.262
J931	0.11	0.79	1330.84	4/13/2017 11:56	0.79	28.12	184.22	0.421	2.91	-0.254	0	0	23.21	0	0	0	0	20.69	2.265	8.904
J935	0.23	1.75	1322.75	4/13/2017 12:00	1.74	364.76	364.76	12	12	-0.039	0	0	11.25	0	0	0	0	144.21	3.966	2.529
J937	0.07	0.7	1301.55	4/13/2017 12:00	0.7	32.68	72.84	0.664	1.44	-0.165	0	0	11.3	0	0	0	0	10.78	0.809	6.757
J94	0.01	0.12	1386.15	4/13/2017 12:01	0.12	52.6	52.6	0.526	0.526	-2.846	0	0	64.88	0	0	0	0	5.75	0.315	9.148
J946	2.83	7.19	1301.21	4/13/2017 13:31	7.19	56.5	7080.36	0.707	706	0.056	0	0	12.81	0	0	0	0	50.3	1.709	140.763
J950	0.07	0.72	1318.97	4/13/2017 11:57	0.72	87.24	316.91	1.18	4.95	-0.505	0	0	21.28	0	0	0	0	36.07	2.751	8.786
J953	0.21	1.14	1321.16	4/13/2017 12:02	1.14	0	354.97	0	12	-0.039	0	0	11.86	0	0	0	0	144.21	3.966	2.461
J955	0.12	0.84	1333.84	4/13/2017 12:00	0.84	38.8	231.1	0.662	3.84	-0.176	0	0	19.16	0	0	0	0	28.92	1.421	7.991
J959	0.08	0.74	1317.74	4/13/2017 12:00	0.74	46.55	161.58	0.893	2.36	-0.481	0	0	26.26	0	0	0	0	24.07	1.511	6.713
J96	0.62	6.07	1303.07	4/13/2017 12:00	6.07	0	653.05	0	15	-0.15	0	0	26.93	0	0	0	0	104.93	20.288	6.224
J964	0.07	0.57	1348.66	4/13/2017 11:55	0.57	159.09	159.09	2.48	2.48	-0.113	0	0	23.43	0	0	0	0	17.68	1.958	8.998
J968	0.05	0.47	1298.47	4/13/2017 12:00	0.47	67.97	67.97	1.1	1.1	-4.627	0	0	12.53	0	0	0	0	8.91	0.468	7.629
J97	0.02	0.27	1325.27	4/13/2017 12:00	0.27	15.16	15.16	0.246	0.246	-4.869	0	0	9.73	0	0	0	0	1.69	0.259	8.97
J971	0.04	0.38	1299.38	4/13/2017 11:59	0.38	68.53	68.53	1.41	1.41	-0.566	0	0	9.62	0	0	0	0	10.86	0.504	6.31
J973	0.1	1.13	1299.13	4/13/2017 12:00	1.13	58.24	129.33	1.04	2.48	-0.134	0	0	12.87	0	0	0	0	19.06	0.809	6.785
J975	0.08	0.66	1298.66	4/13/2017 12:01	0.66	93.95	93.95	1.43	1.43	0.795	0	0	13.34	0	0	0	0	17.06	0.002	5.507
J978	0.59	3.07	1303.07	4/13/2017 12:03	3.07	31.76	641.62	0.398	37.3	-0.113	0	0	49.93	0	0	0	0	451.09	19.458	1.422
J98	0.07	0.9	1312.07	4/13/2017 11:56	0.9	57.56	57.56	0.75	0.75	-0.495	0	0	23.1	0	0	0	0	8.29	0.146	6.943
J980	0.09	1.22	1296.37	4/13/2017 12:01	1.22	36.64	163.04	0.703	3.19	-0.291	0	0	16.78	0	0	0	0	24.71	0.809	6.598
J982	0.34	1.56	1311.12	4/13/2017 12:06	1.56	0	667.55	0	23.5	-0.025	0	0	19.44	0	0	0	0	241.71	9.782	2.762
J986	0.16	0.85	1325.85	4/13/2017 12:00	0.85	40.26	269.58	0.632	4.48	-0.594	0	0	13.15	0	0	0	0	33.66	1.659	8.009
J988	0.08	0.82	1302.82	4/13/2017 12:00	0.82	221.61	221.61	3.66	3.66	-0.721	0	0	12.18	0	0	0	0	56.03	1.558	3.955
J99	0.44	5.16	1364.16	4/13/2017 12:05	5.14	0	598	0	11.5	-0.165	0	0	17.84	0	0	0	0	86.23	7.185	6.935
J990	0.07	0.65	1303.65	4/13/2017 12:03	0.65	0	133.01	0	2.31	-0.477	0	0	18.35	0	0	0	0	18.35	0.87	7.249
J992	0.12	0.79	1325.79	4/13/2017 12:16	0.79	0	80.43	0	2.86	-1.172	0	0	24.21	0	0	0	0	20.48	2.44	3.927
J994	0.09	0.58	1319.58	4/13/2017 12:00	0.58	46.03	46.03	0.916	0.916	-0.592	0	0	13.42	0	0	0	0	6.37	1.005	7.226
J996	0.47	2.1	1294.33	4/13/2017 13:08	2.1	54.29	872.69	1.08	61.7	0.041	0	0	17.9	0	0	0	0	1363.61	28.637	0.64
J998	0.08	0.39	1297.39	4/13/2017 12:06	0.39	0	69.82	0	1.41	-0.254	0	0	10.61	0	0	0	0	10.86	0.504	6.429
M10042417	0.11	0.57	1277.57	4/13/2017 12:00	0.57	65.51	65.51	1.75	1.75	-0.391	0	0	7.43	0	0	0	0	12.83	2.164	5.106
M1042417	0.04	0.4	1288.4	4/13/2017 12:00	0.4	68.89	68.89	1.35	1.35	-0.696	0	0	22.6	0	0	0	0	10.81	0.103	6.373
M11042417	0.12	0.78	1258.78	4/13/2017 12:00	0.78	155.21	155.21	3.01	3.01	-0.235	0	0	8.22	0	0	0	0	22.33	2.527	6.951
M12042417	1.43	5.5	1258.5	4/13/2017 12:32	5.5	57.42	2002.82	0.707	142	0.08	0	0	17.5	0	0	0	0	2043.21	57.208	0.98
M13042417	0.05	0.49	1267.02	4/13/2017 12:00	0.49	96.47	96.47	1.41	1.41	-1.178	0	0	9.51	0	0	0	0	14.39	0.714	6.704
M14042417	0.08	0.64	1283.64	4/13/2017 12:00	0.64	64.65	64.65	1.16	1.16	-0.437	0	0	10.36	0	0	0	0	9.24	0	6.997
M15042417	0.04	0.22	1320.31	4/13/2017 12:03	0.22	22.54	22.54	0.33	0.33	-7.875	0	0	14.78	0	0	0	0	2.5	0.116	9.016
M16042417	0.09	0.44	1296.55	4/13/2017 12:08	0.44	63.42	76.02	1.28	1.64	-1.301	0	0	14.56	0	0	0	0	16.07	0.368	4.731
M18042417	1.05	4.45	1255.45	4/13/2017 12:33	4.45	21.12	2016.33	0.299	143	0.012	0	0	14.55	0	0	0	0	2058.64	57.444	0.979
M19042417	1.37	3.81	1253.63	4/13/2017 12:34	3.81	156.88	2032.54	2.19	146	-0.029	0	0	16.19	0	0	0	0	2079.64	58.53	0.977
M20042417	0.67	2.55	1251.06	4/13/2017 12:35	2.55	113.04	2048.84	1.61	147	-0.013	0	0	19.45	0	0	0	0	2097.12	59.175	0.977
M2042417	0.24	1.46	1283.63	4/13/2017 12:18	1.46	0	433.9	0	16.7	-0.023	0	0	26.54	0	0	0	0	160.06	5.898	2.711

Junctions SWMM 50-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
M21042417	1	4.11	1250.89	4/13/2017 12:35	4.11	100.88	2062.62	1.55	149	-0.017	0	0	22.89	0	0	0	0	2110.74	59.649	0.977
M22042417	1.08	3.87	1247.75	4/13/2017 12:36	3.87	22.55	2063.25	0.22	149	-0.009	0	0	23.13	0	0	0	0	2113.44	59.649	0.976
M23042417	1.25	4.4	1247.4	4/13/2017 15:31	4.4	50.09	2067.01	0.576	150	-0.011	0	0	13.6	0	0	0	0	2120.77	59.803	0.975
M24042417	1.46	5.14	1247.39	4/13/2017 15:32	5.14	41.72	2068.58	0.492	150	-0.009	0	0	8.86	0	0	0	0	2126.76	60.27	0.973
M25042417	1.48	5.38	1247.38	4/13/2017 15:32	5.38	19.5	2070.07	0.244	150	-0.011	0	0	8.62	0	0	0	0	2130.18	60.328	0.972
M26042417	1.43	5.66	1247.37	4/13/2017 15:32	5.66	20.25	2071.28	0.242	151	-0.014	0	0	9.34	0	0	0	0	2133.03	60.405	0.971
M27042417	1.97	7.37	1247.37	4/13/2017 15:32	7.37	65.76	2081.4	0.966	152	-0.007	0	0	7.63	0	0	0	0	2144.74	60.943	0.97
M28042417	1.85	7.39	1247.37	4/13/2017 15:32	7.39	33.65	2087.22	0.505	152	-0.035	0	0	10.61	0	0	0	0	2151.6	61.133	0.97
M29042417	1.54	7.68	1247.37	4/13/2017 15:32	7.68	34.96	2097.68	0.696	153	-0.033	0	0	10.32	0	0	0	0	2161.03	61.437	0.971
M30042417	2.61	11.37	1247.37	4/13/2017 15:32	11.37	59.58	2098.78	0.534	154	-0.182	0	0	20.63	0	0	0	0	2170.36	61.761	0.967
M3042417	0.38	1.79	1283.15	4/13/2017 12:19	1.79	56.26	446.59	0.892	17.5	-0.025	0	0	26.21	0	0	0	0	166.78	6.222	2.678
M31042417	10.23	24.5	1247.5	4/13/2017 15:32	24.5	0.38	56879.88	0.006	8930	0.045	0	0	23.5	0	0	0	0	4077.31	317.986	13.95
M32042417	11.8	26.37	1247.37	4/13/2017 15:32	26.37	0	57408.92	0	9080	0.105	0	0	8.63	0	0	0	0	6258.68	379.747	9.173
M40042417	0.16	1.08	1285.08	4/13/2017 12:17	1.08	180.97	434.68	5.01	16.6	-0.042	0	0	6.92	0	0	0	0	160.06	5.898	2.716
M4042417	0.54	1.95	1280.95	4/13/2017 12:19	1.95	71.03	471.28	1.41	19	-0.047	0	0	13.05	0	0	0	0	177.14	7.223	2.66
M41042417	0.72	3.64	1258.64	4/13/2017 12:31	3.64	70.96	1982.8	1.19	140	-0.005	0	0	15.36	0	0	0	0	2022.3	56.056	0.98
M5042417	0.26	1.77	1279.77	4/13/2017 12:20	1.77	0	471.17	0	19	-0.033	0	0	10.23	0	0	0	0	177.14	7.223	2.66
M6042417	0.26	0.97	1279.25	4/13/2017 12:00	0.97	105.7	105.7	2.01	2.01	-0.233	0	0	20.03	0	0	0	0	15.03	1.063	7.033
M7042417	0.06	0.74	1278.74	4/13/2017 12:00	0.74	62.24	165.67	1.07	3.08	-0.463	0	0	20.26	0	0	0	0	23.14	1.461	7.159
M8042417	0.65	2.18	1275.18	4/13/2017 12:01	2.18	48.94	269.18	1.1	5.96	-0.396	0	0	8.82	0	0	0	0	44.12	4.437	6.101
M9042417	0.9	3.13	1261.08	4/13/2017 12:30	3.13	0	1935.61	0	136	0	0	0	16.87	0	0	0	0	1990.45	52.764	0.972
MAS1	0.07	0.81	1337.81	4/13/2017 11:55	0.81	110.16	110.16	1.19	1.19	-0.124	0	0	15.19	0	0	0	0	13.51	1.295	8.154
MAS10	0.33	2.29	1306.3	4/13/2017 12:01	2.29	46.45	1223.42	0.614	15.7	-0.294	0	0	60.71	0	0	0	0	173.2	15.616	7.064
MAS100	0.5	3.3	1284.32	4/13/2017 12:05	3.3	126.22	2408.39	1.48	45.1	-0.157	0	0	52.7	0	0	0	0	351.02	38.361	6.861
MAS101	0.08	0.8	1377.06	4/13/2017 12:00	0.8	135.36	277.59	1.71	3.69	-0.194	0	0	49.2	0	0	0	0	38.47	4.111	7.216
MAS102	0.09	1.05	1347.74	4/13/2017 11:56	1.05	0	285.59	0	4.38	-0.195	0	0	34.95	0	0	0	0	31.66	2.788	9.021
MAS103	0.05	0.85	1284.85	4/13/2017 12:00	0.85	110.14	298.34	1.37	3.65	-0.123	0	0	13.15	0	0	0	0	42.11	1.464	7.085
MAS104	0.08	1.01	1375.79	4/13/2017 11:55	1	118.53	195.77	1.41	2.41	-0.235	0	0	50.99	0	0	0	0	20.64	2.269	9.485
MAS105	0.28	2.85	1305.65	4/13/2017 12:02	2.85	79.51	1942.68	1.1	34.7	-0.033	0	0	26.15	0	0	0	0	262.58	28.264	7.398
MAS106	0.37	3.27	1314.27	4/13/2017 12:03	3.26	27.05	1209.81	0.218	24.8	-0.007	0	0	16.73	0	0	0	0	266.58	23.157	4.538
MAS107	0.17	1.76	1336.76	4/13/2017 11:57	1.76	135.34	576.56	1.72	8.76	-0.224	0	0	26.24	0	0	0	0	64.43	4.211	8.949
MAS108	0.13	1.56	1365.56	4/13/2017 11:56	1.56	0	382.21	0	4.9	-0.095	0	0	37.44	0	0	0	0	51.77	5.179	7.383
MAS109	0.15	0.89	1379.15	4/13/2017 11:55	0.89	35.5	209.57	0.407	2.63	-0.107	0	0	18.11	0	0	0	0	28.04	3.579	7.474
MAS11	0.11	0.86	1396.96	4/13/2017 11:55	0.86	176.61	176.61	2.22	2.22	-0.011	0	0	15.14	0	0	0	0	22.96	3.226	7.692
MAS110	0.18	1.21	1355.99	4/13/2017 12:00	1.21	71.45	183.97	0.775	4.72	-0.151	0	0	23.79	0	0	0	0	49.76	4.039	3.697
MAS111	0.21	2.33	1321.33	4/13/2017 12:01	2.33	0	1046.1	0	12.8	0.005	0	0	34.67	0	0	0	0	143.58	11.415	7.286
MAS112	0.07	0.74	1330.5	4/13/2017 12:00	0.74	0	314.92	0	4.44	-0.162	0	0	22.26	0	0	0	0	46.78	2.133	6.732
MAS113	0.19	1.49	1326.61	4/13/2017 11:58	1.49	80.03	728.55	1.09	11.4	-0.252	0	0	21.51	0	0	0	0	82.04	6.94	8.88
MAS114	0.36	1.8	1341.32	4/13/2017 12:00	1.8	58.18	792.66	0.673	9.74	-0.327	0	0	30.2	0	0	0	0	108.44	8.975	7.31
MAS115	0.23	1.24	1345.24	4/13/2017 12:01	1.23	0	418.27	0	12.7	-0.017	0	0	25.76	0	0	0	0	101.08	11.965	4.138
MAS116	0.05	0.64	1339.64	4/13/2017 11:56	0.64	119.66	313.26	1.56	6.27	-0.323	0	0	23.36	0	0	0	0	54.61	4.482	5.736
MAS118	0.26	0.81	1360.81	4/13/2017 12:00	0.81	0	129.24	0	7.24	0.246	0	0	24.19	0	0	0	0	61.33	6.808	2.107
MAS119	0.42	2.41	1334.41	4/13/2017 12:01	2.41	63.34	716.21	0.85	18	-0.06	0	0	23.59	0	0	0	0	137.84	16.696	5.196
MAS12	0.19	1.31	1370.31	4/13/2017 11:55	1.31	116.46	383.06	1.2	4.9	-0.047	0	0	8.69	0	0	0	0	51.77	5.179	7.399
MAS120	0.17	1.85	1302.85	4/13/2017 12:02	1.85	17.52	2095.38	0.268	37.6	-0.046	0	0	31.15	0	0	0	0	286.63	32.198	7.31
MAS122	0.61	3.08	1288.08	4/13/2017 12:17	3.08	93.09	934.05	1.12	33.8	-0.009	0	0	19.92	0	0	0	0	363.16	27.125	2.572
MAS123	0.21	2.85	1313.85	4/13/2017 12:01	2.85	101.7	1412.99	1.53	23.3	-0.058	0	0	22.15	0	0	0	0	169.92	19.398	8.316
MAS124	0.41	2.68	1356.68	4/13/2017 12:03	2.68	49.81	250.08	0.542	5.1	-0.312	0	0	6.32	0	0	0	0	57.85	5.703	4.323
MAS125	0.24	2.67	1318.72	4/13/2017 12:00	2.66	45.4	1048.42	0.573	17	-0.062	0	0	20.33	0	0	0	0	124.81	10.642	8.4
MAS126	0.25	3.15	1308.15	4/13/2017 12:01	3.15	0	1835.49	0	32.3	-0.082	0	0	22.85	0	0	0	0	245.55	26.232	7.475
MAS128	0.54	3.47	1284.47	4/13/2017 12:19	3.47	92.13	1134.22	0.877	42.3	-0.072	0	0	22.53	0	0	0	0	451.66	30.671	2.511
MAS129	0.43	3.88	1308	4/13/2017 12:00	3.88	0	1183.66	0	15.1	-0.041	0	0	8.12	0	0	0	0	166.62	14.97	7.104
MAS13	0.11	0.66	1379.56	4/13/2017 12:00	0.66	113.75	113.75	1.5	1.5	-0.009	0	0	13.34	0	0	0	0	16.41	1.442	6.932
MAS132	0.56	2.9	1281.9	4/13/2017 12:20	2.89	21.39	1123.92	0.275	44.2	-0.14	0	0	31.1	0	0	0	0	471.43	32.105	2.384
MAS133	0.07	0.64	1337.64	4/13/2017 11:55	0.64	0	140.87	0	1.62	-0.236	0	0	20.36	0	0	0	0	17.88	0.594	7.879
MAS134	0.37	3.4	1371.11	4/13/2017 12:05	3.4	74.73	192.25	0.832	2.43	1.199	0	0	22.6	0	0	0	0	23.9	1.737	8.044
MAS135	0.87	5.45	1370.45	4/13/2017 12:23	5.45	24.19	190.64	0.248	3.37	-0.251	0	0	6.55	0	0	0	0	29.58	2.195	6.445
MAS1359	0.21	1.45	1326.45	4/13/2017 12:06	1.45	15.84	52.6	0.251	1.28	-0.314	0	0	7.55	0	0	0	0	12.31	0.763	4.273

Junctions SWMM 50-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
MAS136	0.07	0.41	1365.09	4/13/2017 12:25	0.41	0	48.59	0	2.89	0.003	0	0	11.59	0	0	0	0	29.58	2.195	1.643
MAS137	0.4	6.24	1355.24	4/13/2017 12:09	6.24	45.07	262.76	0.534	3.18	2.303	0	0	23.76	0	0	0	0	28.26	1.431	9.298
MAS138	0.09	0.74	1345.72	4/13/2017 12:19	0.74	0	83.17	0	3.11	-0.014	0	0	24.26	0	0	0	0	28.26	1.431	2.943
MAS14	0.07	1.01	1357.01	4/13/2017 11:55	1	26.51	116.12	0.413	1.86	-0.032	0	0	41.99	0	0	0	0	12.98	1.777	8.946
MAS141	0.16	2.29	1329.6	4/13/2017 12:00	2.28	0	880.39	0	10.8	-0.002	0	0	56.71	0	0	0	0	121.03	9.858	7.274
MAS142	0.22	2.75	1369.75	4/13/2017 11:55	2.75	0	147.98	0	1.81	-0.068	0	0	8.25	0	0	0	0	18.97	1.818	7.801
MAS143	0.44	4.33	1370.46	4/13/2017 12:23	4.32	22.13	146.52	0.234	3.12	-0.033	0	0	7.67	0	0	0	0	27.07	1.87	5.413
MAS144	0.1	1.28	1315.08	4/13/2017 12:01	1.28	0	219.99	0	3.78	-0.034	0	0	12.72	0	0	0	0	26.52	5.878	8.295
MAS145	0.17	2.27	1318.27	4/13/2017 12:00	2.27	0	252.9	0	3.79	0.236	0	0	10.73	0	0	0	0	26.52	5.878	9.536
MAS147	0.15	0.88	1334.78	4/13/2017 11:58	0.88	0	271.25	0	5.68	-0.132	0	0	34.12	0	0	0	0	61.59	4.767	4.404
MAS148	0.12	0.82	1350.82	4/13/2017 11:56	0.82	0	183.22	0	2.28	-0.378	0	0	45.18	0	0	0	0	23.46	2.514	7.81
MAS150	0.08	0.54	1368.59	4/13/2017 11:56	0.54	25.88	164.62	0.27	2.06	-0.088	0	0	66.46	0	0	0	0	22.38	2.873	7.356
MAS151	0.05	0.68	1365.34	4/13/2017 11:57	0.68	0	162.02	0	2.06	-0.136	0	0	30.32	0	0	0	0	22.38	2.873	7.239
MAS152	0.43	3.89	1373.57	4/13/2017 12:10	3.89	50.84	253.29	0.548	3.25	1.691	0	0	11.11	0	0	0	0	34.93	4.14	7.251
MAS153	0.09	0.91	1368.91	4/13/2017 12:01	0.91	0	205.25	0	4.55	-0.132	0	0	14.09	0	0	0	0	50.29	5.349	4.081
MAS157	0.09	0.8	1374.88	4/13/2017 11:57	0.8	0	209.22	0	2.63	-2.62	0	0	14.2	0	0	0	0	28.04	3.579	7.461
MAS159	0.11	1.14	1376.97	4/13/2017 11:58	1.14	0	118.2	0	1.34	-0.147	0	0	9.86	0	0	0	0	15.36	1.209	7.695
MAS166	0.06	0.8	1390.53	4/13/2017 11:55	0.8	0	176.26	0	2.22	-0.03	0	0	18.2	0	0	0	0	22.96	3.226	7.677
MAS167	0.06	0.4	1353.14	4/13/2017 11:55	0.4	50.05	50.05	0.675	0.675	-1.043	0	0	12.6	0	0	0	0	6.24	0.645	8.021
MAS168	0.26	1.95	1330.76	4/13/2017 12:00	1.95	43.36	436.52	0.598	8.3	0.049	0	0	20.05	0	0	0	0	70.57	6.55	6.186
MAS169	0.06	0.65	1367.19	4/13/2017 11:55	0.65	133.48	133.48	1.59	1.59	-0.088	0	0	29.35	0	0	0	0	14.24	1.731	9.374
MAS17	0.03	0.57	1370.2	4/13/2017 11:55	0.57	148.51	148.51	1.81	1.81	-0.021	0	0	10.43	0	0	0	0	18.97	1.818	7.829
MAS170	0.03	0.58	1360.08	4/13/2017 11:55	0.58	89.83	89.83	1.45	1.45	-0.005	0	0	24.42	0	0	0	0	10.33	1.147	8.696
MAS171	0.19	1.14	1351.44	4/13/2017 12:00	1.14	0	212.59	0	4.19	-0.353	0	0	29.86	0	0	0	0	80.23	8.576	2.65
MAS175	0.04	0.83	1354.83	4/13/2017 12:02	0.83	26.72	192.71	0.234	3.22	-0.787	0	0	80.17	0	0	0	0	60.86	5.884	3.166
MAS176	0.11	0.58	1376.29	4/13/2017 12:00	0.58	29.22	109.16	0.44	1.89	-0.408	0	0	24.42	0	0	0	0	13.86	1.142	7.876
MAS177	0.41	4.62	1375.62	4/13/2017 11:55	4.62	0	131.89	0	1.97	0.022	0	0	13.38	0	0	0	0	14	1.461	9.421
MAS178	0.06	0.6	1368.8	4/13/2017 11:55	0.6	0	131.7	0	1.96	-0.248	0	0	17.4	0	0	0	0	14	1.461	9.407
MAS179	0.07	0.74	1360.65	4/13/2017 12:01	0.74	0	208.79	0	3.98	-0.062	0	0	16.26	0	0	0	0	29.04	4.497	7.19
MAS18	0.1	1.35	1351.39	4/13/2017 11:57	1.35	93.73	469.88	0.877	5.78	-0.14	0	0	37.65	0	0	0	0	63.16	5.486	7.44
MAS180	0.64	4.8	1368.8	4/13/2017 12:00	4.8	91.19	209.36	1.32	3.98	0.068	0	0	12.2	0	0	0	0	29.04	4.497	7.209
MAS181	0.16	0.9	1342.73	4/13/2017 11:55	0.9	104.63	257.84	1.51	3.77	-0.322	0	0	48.1	0	0	0	0	26.52	5.878	9.722
MAS182	0.09	0.71	1351.99	4/13/2017 11:55	0.71	0	132.25	0	1.59	-0.389	0	0	29.29	0	0	0	0	14.24	1.731	9.287
MAS183	0.03	0.57	1341.57	4/13/2017 12:00	0.57	52.57	227.21	0.533	3.11	-0.097	0	0	18.43	0	0	0	0	33.8	0.667	6.722
MAS184	0.1	1.1	1346.1	4/13/2017 11:57	1.1	100.99	271.48	0.951	5.68	-0.128	0	0	33.9	0	0	0	0	61.59	4.767	4.408
MAS185	0.35	2.24	1309.24	4/13/2017 12:05	2.24	49.54	1303.42	0.499	26.7	-0.701	0	0	20.76	0	0	0	0	287.83	24.269	4.528
MAS19	0.03	0.52	1375.52	4/13/2017 11:55	0.52	142.22	142.22	1.78	1.78	-0.048	0	0	66.48	0	0	0	0	18.71	2.698	7.601
MAS2	1.06	4.35	1338.35	4/13/2017 12:00	4.35	62.91	852.88	0.667	10.4	-0.677	0	0	27.65	0	0	0	0	117.17	9.563	7.279
MAS20	0.09	0.82	1387.22	4/13/2017 11:55	0.82	166.58	166.58	2.41	2.41	-0.054	0	0	21.18	0	0	0	0	17.91	3.02	9.301
MAS21	0.06	0.64	1372.33	4/13/2017 11:59	0.64	0	116.83	0	1.35	-0.658	0	0	14.36	0	0	0	0	15.36	1.209	7.606
MAS22	0.02	0.35	1402.01	4/13/2017 12:00	0.35	38.8	38.8	0.473	0.473	-1.166	0	0	70.65	0	0	0	0	5.59	0.245	6.941
MAS23	0.2	1.26	1351.3	4/13/2017 11:55	1.26	146.06	287.07	2.07	4.38	-0.156	0	0	35.74	0	0	0	0	31.66	2.788	9.067
MAS24	0.08	1.31	1364.83	4/13/2017 11:55	1.31	36.74	183.76	0.472	2.28	-0.086	0	0	44.69	0	0	0	0	23.46	2.514	7.833
MAS26	0.03	0.36	1408.58	4/13/2017 11:55	0.36	64.86	64.86	0.796	0.796	-0.094	0	0	11.64	0	0	0	0	7.95	0.98	8.158
MAS27	0.09	0.71	1397.37	4/13/2017 11:56	0.71	57.61	121.72	0.543	1.34	-0.371	0	0	11.29	0	0	0	0	15.36	1.209	7.924
MAS29	0.15	0.88	1346.44	4/13/2017 12:00	0.88	0	160.42	0	2.77	0.003	0	0	9.12	0	0	0	0	22.67	1.802	7.076
MAS3	0.12	0.9	1327.44	4/13/2017 11:56	0.9	33.7	141.88	0.313	1.5	-1.684	0	0	24.1	0	0	0	0	17.35	1.509	8.178
MAS30	0.07	0.64	1391.85	4/13/2017 12:00	0.64	82.25	82.25	1.45	1.45	-0.021	0	0	10.36	0	0	0	0	10.67	0.866	7.709
MAS31	0.05	0.74	1379.74	4/13/2017 11:54	0.73	89.77	254.26	1.15	3.55	-0.28	0	0	21.26	0	0	0	0	26.51	3.59	9.591
MAS32	0.11	1.23	1330.54	4/13/2017 12:00	1.23	36.73	290.81	0.63	5	-0.104	0	0	23.77	0	0	0	0	38.49	3.539	7.555
MAS33	0.03	0.69	1361.69	4/13/2017 11:55	0.69	90.1	90.1	0.897	0.897	-0.062	0	0	24.31	0	0	0	0	10.2	0.131	8.833
MAS34	0.09	0.73	1374.73	4/13/2017 11:56	0.73	123.02	123.02	1.55	1.55	-2.735	0	0	25.27	0	0	0	0	14.99	0.879	8.207
MAS35	0.12	1.19	1363.29	4/13/2017 11:55	1.18	172.05	172.05	2.64	2.64	-0.17	0	0	30.81	0	0	0	0	19.6	1.215	8.778
MAS36	0.05	0.36	1375.33	4/13/2017 12:00	0.36	70.03	70.03	1.13	1.13	-0.092	0	0	10.64	0	0	0	0	10.31	1.137	6.792
MAS37	0.22	2.9	1342.46	4/13/2017 11:55	2.9	140.71	140.71	1.62	1.62	-0.007	0	0	18.1	0	0	0	0	17.88	0.594	7.87
MAS38	0.17	0.84	1358.56	4/13/2017 12:00	0.84	69.91	139.54	1.28	2.41	-0.373	0	0	15.16	0	0	0	0	19.96	1.713	6.991
MAS39	2.25	6.49	1377.42	4/13/2017 13:01	6.49	24.44	667.9	0.368	12.3	0.687	0	0	22.51	0	0	0	0	35.09	4.454	19.034
MAS4	0.12	1.82	1344.82	4/13/2017 11:58	1.82	97.35	560.27	0.982	6.77	-0.082	0	0	29.18	0	0	0	0	75.29	6.225	7.441

Junctions SWMM 50-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
MAS40	0.09	0.98	1337.37	4/13/2017 12:00	0.98	104.75	256.45	1.59	4.36	-0.089	0	0	24.02	0	0	0	0	34.2	2.81	7.499
MAS41	0.05	0.41	1346.08	4/13/2017 11:55	0.41	94.86	94.86	1.48	1.48	-0.177	0	0	11.59	0	0	0	0	9.78	1.979	9.699
MAS43	0.03	0.7	1353.76	4/13/2017 11:55	0.7	93.61	183.07	0.942	1.84	-0.074	0	0	30.3	0	0	0	0	20.92	0.34	8.751
MAS44	0.06	0.63	1383.04	4/13/2017 12:00	0.63	0	82.16	0	1.45	-0.064	0	0	14.37	0	0	0	0	10.67	0.866	7.7
MAS45	0.07	1.15	1347.17	4/13/2017 11:55	1.15	27.98	210.41	0.32	2.16	-0.759	0	0	29.85	0	0	0	0	24.59	0.4	8.557
MAS46	0.15	0.73	1341.58	4/13/2017 12:00	0.73	0	373.08	0	8.81	-0.017	0	0	13.27	0	0	0	0	97.57	10.384	3.824
MAS47	0.04	0.36	1402.74	4/13/2017 11:55	0.36	67.21	67.21	1.04	1.04	-0.067	0	0	19.64	0	0	0	0	7.08	1.815	9.493
MAS49	0.05	0.47	1396.47	4/13/2017 11:55	0.47	29.75	96.49	0.427	1.47	-0.593	0	0	23.53	0	0	0	0	10.27	2.434	9.395
MAS5	0.4	3.86	1312.86	4/13/2017 12:00	3.86	71.16	1141.93	0.924	14.3	-0.054	0	0	38.14	0	0	0	0	159.9	13.783	7.142
MAS51	0.44	4.64	1395.2	4/13/2017 12:00	4.63	16.57	111	0.241	1.72	-0.245	0	0	19.36	0	0	0	0	11.76	2.888	9.439
MAS52	0.1	0.73	1377.77	4/13/2017 11:55	0.73	100.96	100.96	1.05	1.05	-0.561	0	0	11.27	0	0	0	0	11.51	1.042	8.772
MAS54	0.09	0.67	1387.63	4/13/2017 12:00	0.66	18.23	111.49	0.278	2	-0.03	0	0	15.33	0	0	0	0	13.51	3.348	8.252
MAS55	0.04	0.44	1341.05	4/13/2017 11:55	0.44	77.61	77.61	1.05	1.05	-0.715	0	0	10.56	0	0	0	0	8.33	1.033	9.317
MAS56	0.99	2.79	1333.79	4/13/2017 12:00	2.79	90.07	315.73	1.3	4.41	-0.57	0	0	16.21	0	0	0	0	46.78	2.133	6.749
MAS57	0.17	1.07	1347.11	4/13/2017 12:00	1.07	110.43	219.72	1.46	8.68	-0.1	0	0	22.93	0	0	0	0	72.04	7.467	3.05
MAS58	0.21	1.83	1319.99	4/13/2017 12:00	1.83	55.31	363	0.732	5.18	-0.202	0	0	21.17	0	0	0	0	53.4	3.245	6.798
MAS59	0.07	0.77	1358.88	4/13/2017 11:55	0.77	154.87	154.87	2.26	2.26	-0.024	0	0	48.23	0	0	0	0	15.74	3.714	9.839
MAS6	0.2	3.25	1314.62	4/13/2017 12:00	3.25	65	1091.53	0.648	13.4	-0.031	0	0	38.75	0	0	0	0	151.8	11.61	7.191
MAS61	0.31	1.32	1343.34	4/13/2017 12:00	1.32	136.28	514.23	1.9	14.6	-0.049	0	0	25.68	0	0	0	0	114.1	13.921	4.507
MAS62	0.07	0.75	1379.19	4/13/2017 11:55	0.75	132.93	132.93	1.96	1.96	-0.203	0	0	17.25	0	0	0	0	14	1.461	9.495
MAS63	0.14	1.29	1324.78	4/13/2017 12:00	1.29	94.33	231.34	1.04	2.66	-9.381	0	0	10.71	0	0	0	0	32.35	0.897	7.151
MAS64	0.2	1.37	1351.82	4/13/2017 11:56	1.37	160.99	351.93	1.49	3.9	-2.253	0	0	47.63	0	0	0	0	38.99	3.296	9.026
MAS66	0.03	0.46	1308.52	4/13/2017 12:00	0.46	72.3	72.3	1.17	1.17	-1.314	0	0	20.54	0	0	0	0	9.26	1.126	7.808
MAS67	0.25	2.69	1309.77	4/13/2017 12:01	2.69	49.03	1423.24	0.683	24	-0.056	0	0	22.31	0	0	0	0	174.98	19.682	8.134
MAS68	0.59	5.93	1336.93	4/13/2017 11:56	5.93	40.86	348.55	0.721	7.01	-0.085	0	0	18.07	0	0	0	0	59.69	5.597	5.839
MAS69	0.12	1.11	1308.24	4/13/2017 12:00	1.11	86.02	432.75	0.948	6.14	-0.217	0	0	18.89	0	0	0	0	62.6	3.475	6.913
MAS7	0.12	1.59	1334.46	4/13/2017 12:00	1.59	29.26	880.69	0.316	10.8	-0.053	0	0	57.41	0	0	0	0	121.03	9.858	7.277
MAS71	0.14	0.77	1340.77	4/13/2017 11:56	0.77	32.41	161.39	0.55	2.52	-0.311	0	0	17.23	0	0	0	0	17.86	1.982	9.036
MAS73	0.4	3.34	1313.34	4/13/2017 12:03	3.34	128.68	1274.19	1.39	26.2	-0.029	0	0	19.66	0	0	0	0	280.94	24.018	4.535
MAS74	0.07	0.49	1304.55	4/13/2017 12:00	0.49	123.81	123.81	1.61	1.61	-0.84	0	0	15.51	0	0	0	0	17.43	1.279	7.103
MAS75	0.13	1.61	1304.34	4/13/2017 12:00	1.61	42.51	173.38	0.584	2.71	-0.119	0	0	9.39	0	0	0	0	22.36	3.45	7.754
MAS76	0.13	1.16	1296.16	4/13/2017 12:00	1.16	116.65	542.95	1.37	7.52	-1.097	0	0	24.84	0	0	0	0	78.48	3.522	6.918
MAS77	0.52	2.88	1296.02	4/13/2017 12:16	2.88	54.11	915.19	0.654	32.7	-0.07	0	0	12.12	0	0	0	0	349.84	26.88	2.616
MAS79	0.08	1.28	1384.28	4/13/2017 11:56	1.28	72.04	230.99	0.699	2.56	-3.217	0	0	31.72	0	0	0	0	23.09	1.229	10.004
MAS8	0.23	3.5	1310.5	4/13/2017 12:00	3.49	29.08	1162.28	0.343	14.7	-0.039	0	0	36.5	0	0	0	0	163.21	14.185	7.121
MAS81	0.06	0.75	1386.75	4/13/2017 11:55	0.75	78.07	78.07	0.997	0.997	-0.098	0	0	51.25	0	0	0	0	8.11	1.078	9.626
MAS82	0.05	0.59	1332.59	4/13/2017 11:55	0.59	130.69	130.69	1.66	1.66	-0.084	0	0	26.41	0	0	0	0	14.62	2.281	8.939
MAS83	0.08	1.07	1315.11	4/13/2017 11:56	1.07	32.02	160.63	0.453	2.12	-0.443	0	0	25.93	0	0	0	0	17.65	2.83	9.101
MAS84	0.05	0.77	1397.77	4/13/2017 11:55	0.77	160.68	160.68	1.86	1.86	-0.102	0	0	32.23	0	0	0	0	15.81	1.102	10.163
MAS85	0.08	0.73	1309.73	4/13/2017 12:00	0.73	105.15	105.15	1.27	1.27	-0.17	0	0	13.27	0	0	0	0	14.5	0.811	7.252
MAS86	0.24	2.18	1300.19	4/13/2017 12:02	2.18	75.96	2137.46	1.13	38.8	-0.078	0	0	39.82	0	0	0	0	294.59	33.778	7.256
MAS87	0.14	1.9	1299.28	4/13/2017 12:03	1.9	37.86	2160.96	0.525	39.3	-0.045	0	0	40.1	0	0	0	0	299.27	34.269	7.221
MAS88	0.23	2.58	1297.91	4/13/2017 12:03	2.58	107.96	2244.95	1.34	41.1	-0.091	0	0	35.42	0	0	0	0	315.21	35.445	7.122
MAS89	0.09	1.01	1294.01	4/13/2017 12:00	1.01	85.36	188.45	0.999	2.28	-0.197	0	0	12.99	0	0	0	0	26.14	1.05	7.209
MAS9	0.15	2.04	1326.04	4/13/2017 12:00	2.04	41.2	918.18	0.381	11.2	-0.129	0	0	29.96	0	0	0	0	126.23	9.905	7.274
MAS90	0.29	1.88	1278.97	4/13/2017 12:20	1.88	94.75	1131.96	1	45.3	-0.059	0	0	32.12	0	0	0	0	481.42	32.26	2.351
MAS91	0.44	3.37	1294.51	4/13/2017 12:03	3.37	124.28	2294.27	1.61	42.7	-0.099	0	0	37.63	0	0	0	0	328.2	37.485	6.99
MAS92	0.6	2.33	1276.33	4/13/2017 12:02	2.33	69.34	1203.04	0.777	48.3	-0.114	0	0	25.67	0	0	0	0	511.45	32.309	2.352
MAS93	0.03	0.59	1283.47	4/13/2017 12:00	0.59	95.6	161.8	1.22	2.14	-0.497	0	0	12.41	0	0	0	0	22.33	0.049	7.246
MAS95	0.58	3.32	1291.53	4/13/2017 12:03	3.32	70.5	2330.78	0.831	43.6	-0.18	0	0	37.68	0	0	0	0	336.64	37.906	6.924
MAS96	0.05	0.45	1301.63	4/13/2017 12:00	0.45	17.26	67.41	0.261	0.913	-0.473	0	0	10.55	0	0	0	0	9.59	0.047	7.029
MAS97	0.04	0.32	1314.88	4/13/2017 12:00	0.32	23.48	23.48	0.292	0.292	-0.083	0	0	10.68	0	0	0	0	3.62	0.022	6.486
MAS99	0.06	0.81	1278.28	4/13/2017 12:00	0.81	84.31	84.31	1.16	1.16	-0.066	0	0	11.19	0	0	0	0	11.12	0.034	7.582
MASJ1021	0.53	1.67	1319.67	4/13/2017 12:59	1.67	58.99	122.51	1.1	4.02	-0.142	0	0	9.33	0	0	0	0	41.53	2.987	2.95
MASJ108	0.06	0.3	1313.78	4/13/2017 12:00	0.3	26.69	35.47	0.446	0.52	-1.043	0	0	7.7	0	0	0	0	11.33	1.773	3.131
MASJ1090	0.06	0.62	1373.1	4/13/2017 11:55	0.62	0	91.09	0	1.23	-0.338	0	0	22.38	0	0	0	0	9.01	1.501	10.11
MASJ110	0.04	0.31	1341.58	4/13/2017 11:55	0.31	44.54	44.54	0.759	0.759	-0.108	0	0	21.69	0	0	0	0	5.03	1.027	8.855
MASJ1111	0.01	0.21	1302.21	4/13/2017 11:55	0.21	36.36	36.36	0.458	0.458	-0.115	0	0	10.79	0	0	0	0	4.74	0.478	7.671

Junctions SWMM 50-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
MASJ1119	2.43	4.25	1319.67	4/13/2017 12:58	4.25	0	94.96	0	4.03	1.299	0	0	6.75	0	0	0	0	41.53	2.987	2.287
MASJ112	0	0.16	1330.55	4/13/2017 11:56	0.16	0	9.57	0	0.071	-3.249	0	0	7.84	0	0	0	0	8	1.566	1.196
MASJ114	0.06	0.44	1318.08	4/13/2017 11:55	0.44	55.16	118.52	0.915	2.05	-0.113	0	0	18.56	0	0	0	0	13.83	3.044	8.57
MASJ1141	1.53	3.02	1319.02	4/13/2017 13:44	3.02	70.93	113.37	1.3	6.19	3.794	0	0	6.98	0	0	0	0	55.92	4.959	2.027
MASJ116	0.07	0.56	1301.17	4/13/2017 11:56	0.56	0	117.6	0	2.05	-0.238	0	0	12.44	0	0	0	0	13.83	3.044	8.503
MASJ1161	0.42	2.09	1326.44	4/13/2017 12:06	2.09	0	105.42	0	2.08	-5.37	0	0	11.91	0	0	0	0	17.81	0.868	5.919
MASJ117	0.05	0.53	1329.27	4/13/2017 11:55	0.53	17.95	17.95	0.281	0.281	-0.105	0	0	8.47	0	0	0	0	1.92	0.307	9.349
MASJ1171	0.02	0.44	1326.42	4/13/2017 12:06	0.44	0	66.01	0	0.852	-0.132	0	0	7.56	0	0	0	0	17.81	0.868	3.706
MASJ119	0.46	1.42	1325.22	4/13/2017 12:01	1.42	0	28.03	0	2.07	-0.322	0	0	7.58	0	0	0	0	23.2	1.538	1.208
MASJ121	0.15	0.66	1324.41	4/13/2017 12:01	0.66	0	27.24	0	2.08	-0.207	0	0	7.34	0	0	0	0	23.2	1.538	1.174
MASJ122	0.26	1.47	1317.47	4/13/2017 12:02	1.47	37.92	65.86	0.624	2.89	-0.286	0	0	8.53	0	0	0	0	30.78	1.792	2.14
MASJ124	0.5	2.31	1316.33	4/13/2017 12:05	2.31	0	668.01	0	23.5	-0.058	0	0	10.69	0	0	0	0	241.71	9.782	2.764
MASJ126	0.09	1	1328	4/13/2017 11:56	1	21.74	39.49	0.322	0.603	-0.34	0	0	8	0	0	0	0	4.31	0.446	9.162
MASJ127	0.18	1.53	1327.53	4/13/2017 11:56	1.53	33.11	70.53	0.477	1.08	-0.248	0	0	7.47	0	0	0	0	7.96	0.533	8.861
MASJ128	0.15	1.69	1327.39	4/13/2017 11:56	1.69	0	67.33	0	1.08	-0.141	0	0	7.31	0	0	0	0	7.96	0.533	8.459
MASJ129	0.14	1.01	1326.55	4/13/2017 12:00	1.01	21.37	37.12	0.33	1.02	-0.194	0	0	7.99	0	0	0	0	10.44	0.652	3.556
MASJ130	0.36	2.2	1326.5	4/13/2017 12:02	2.2	34.46	34.46	0.581	1.92	-0.16	0	0	6.8	0	0	0	0	21.93	1.36	1.571
MASJ132	0.46	2.45	1326.5	4/13/2017 12:02	2.45	0	22.89	0	1.88	-0.236	0	0	6.55	0	0	0	0	21.93	1.36	1.044
MASJ133	0.34	1.32	1325.32	4/13/2017 12:00	1.32	11.83	28.86	0.183	2.06	-0.29	0	0	7.68	0	0	0	0	23.2	1.538	1.244
MASJ135	0.05	0.37	1327.2	4/13/2017 11:55	0.36	15.06	15.06	0.2	0.2	-1.391	0	0	9.63	0	0	0	0	5.78	0.532	2.606
MASJ1351	0.01	0.1	1325.76	4/13/2017 12:01	0.1	0	3.04	0	0.008	-36.697	0	0	11.9	0	0	0	0	7.96	0.533	0.382
MASJ1352	0.01	0.54	1325.46	4/13/2017 11:58	0.54	0	51.52	0	0.385	3.121	0	0	9.46	0	0	0	0	7.96	0.533	6.472
MASJ136	0.01	0.07	1325.7	4/13/2017 0:00	0.06	0	0	0	0	-99.981	0	0	8.93	0	0	0	0	12.31	0.763	0
MASJ1361	0.19	0.77	1319.77	4/13/2017 12:01	0.77	0	35.26	0	2.24	-0.597	0	0	7.23	0	0	0	0	24.3	1.614	1.451
MASJ1362	0	0.05	1325.51	4/13/2017 0:00	0.04	0	0	0	0	-99.776	0	0	6.95	0	0	0	0	23.2	1.538	0
MASJ137	0.17	0.9	1317.53	4/13/2017 12:03	0.9	0	34.78	0	2.25	-0.43	0	0	7.1	0	0	0	0	24.3	1.614	1.431
MASJ140	7.09	18.46	1252.46	4/13/2017 15:29	18.46	24.11	56919.82	0.228	9030	0.038	0	0	10.54	0	0	0	0	4013.66	315.389	14.182
MASJ1801	0.11	0.61	1331.32	4/13/2017 11:55	0.61	30.51	74.52	0.443	1.2	-0.322	0	0	21.39	0	0	0	0	8	1.566	9.315
MASJ1803	0.05	0.38	1303.03	4/13/2017 12:00	0.38	38.48	73.71	0.734	1.26	-0.854	0	0	9.62	0	0	0	0	16.41	2.581	4.492
MASJ1848	0.14	0.86	1288.69	4/13/2017 11:58	0.86	0	116.03	0	2.06	-0.185	0	0	20.14	0	0	0	0	13.83	3.044	8.39
MASJ2123	0.19	1.9	1347.9	4/13/2017 11:57	1.9	0	302.75	0	4.35	-0.24	0	0	30.1	0	0	0	0	33.5	4.922	9.037
MASJ2149	0.11	1.11	1354.74	4/13/2017 11:57	1.11	39.24	302.9	0.564	4.34	-0.052	0	0	30.89	0	0	0	0	33.5	4.922	9.042
MASJ2187	0.27	1.66	1364.21	4/13/2017 11:56	1.66	64.09	273.44	0.877	3.77	-0.25	0	0	19.34	0	0	0	0	29.1	4.329	9.397
MASJ2191	0.2	4.1	1386.76	4/13/2017 11:55	4.1	57.81	57.81	0.81	0.81	-0.011	0	0	4.9	0	0	0	0	6.1	1.352	9.477
MASJ2703	0.08	0.7	1372.17	4/13/2017 11:55	0.7	67.41	213.34	0.842	2.88	-0.347	0	0	22.3	0	0	0	0	21.63	3.631	9.863
MASJ2769	0.19	0.8	1319.67	4/13/2017 12:58	0.8	0	92.19	0	2.58	-0.138	0	0	12.2	0	0	0	0	31.78	2.037	2.901
MASJ2814	0.09	0.66	1323.66	4/13/2017 12:09	0.66	10.72	66.92	0.146	1	-0.44	0	0	9.34	0	0	0	0	24.21	1.67	2.764
MASJ2948	0.26	3.28	1256.28	4/13/2017 12:01	3.28	97.16	893.88	1.42	13.3	-0.115	0	0	11.72	0	0	0	0	115.15	18.17	7.763
MASJ3041	13.92	27.79	1251.29	4/13/2017 15:30	27.79	47.18	56886.24	0.443	8930	0.037	0	0	23.21	0	0	0	0	4058.5	317.96	14.017
MASJ888	0.05	0.43	1322.31	4/13/2017 12:10	0.43	15.99	70.39	0.237	1.24	0.344	0	0	9.57	0	0	0	0	25.95	1.79	2.713
MASJ916	0.02	0.51	1324.51	4/13/2017 12:08	0.51	0	65.99	0	0.853	-0.127	0	0	8.49	0	0	0	0	23.2	1.538	2.844
MASJ929	0.21	0.74	1319.67	4/13/2017 12:56	0.74	0	14.64	0	0.204	-1.555	0	0	12.26	0	0	0	0	5.78	0.532	2.533
MASJ95	0.04	0.58	1381.13	4/13/2017 11:55	0.57	0	91.6	0	1.23	-0.1	0	0	20.42	0	0	0	0	9.01	1.501	10.166
PostOakIntoCity	1.81	5.6	1313.6	4/13/2017 13:30	5.6	7067	7067	704	704	0.014	0	0	20.4	0	0	0	0	0	0	0
J908	0.25	1.09	1347.11	4/13/2017 12:00	1.09	125.71	125.71	2.52	2.52	-1.093	0	0	22.91	0	0	0	0	17.87	2.405	7.035
J149	0.28	2.55	1337.55	4/13/2017 12:07	2.55	0	123.89	0	2.54	1.069	0	0	21.45	0	0	0	0	17.87	2.405	6.933
MAS78_DS	3.1	4.08	1353.08	4/13/2017 11:56	4.08	0	127.48	0	1.52	-0.972	0	0	45.92	0	0	0	0	14.67	0.767	8.69
J73	0.26	1.8	1305.8	4/13/2017 12:13	1.8	85.33	303.21	1.2	9.93	-0.341	0	0	12.2	0	0	0	0	77.13	4.449	3.931
1	0.04	0.31	1311.9	4/13/2017 12:00	0.31	0	23.42	0	0.293	-0.16	0	0	10.69	0	0	0	0	3.62	0.022	6.47
3	0.05	0.4	1306.07	4/13/2017 12:00	0.4	27.2	50.38	0.357	0.65	-0.292	0	0	10.6	0	0	0	0	7.14	0.022	7.056
J72	0.71	5.14	1312.14	4/13/2017 12:11	5.14	56.6	262.05	0.788	8.1	-0.053	0	0	10.86	0	0	0	0	63.54	3.179	4.124
J2828	5.97	15.38	1264.7	4/13/2017 15:17	15.38	0	49694.4	0	8000	0.012	0	0	38.62	0	0	0	0	1458.2	102.249	34.079
J2780	6.73	16.19	1264.69	4/13/2017 15:17	16.19	0	53669.14	0	8000	0.04	0	0	12.81	0	0	0	0	1458.2	102.249	36.805
MAS42	0.53	2.98	1350.98	4/13/2017 12:00	2.98	23.85	161.13	0.357	2.77	0.038	0	0	8.02	0	0	0	0	22.67	1.802	7.108

Junctions SWMM 100-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
AmmanLWCDS	0.19	1.38	1362.83	4/13/2017 12:09	1.38	0	1147.31	0	16.8	-10.576	0	0	23.62	0	0	0	0	256.244	4.15	4.477
AmmanLWCUS	0.06	0.93	1362.93	4/13/2017 12:00	0.93	1148.31	1148.31	16.7	16.8	-0.005	0	0	8.07	0	0	0	0	256.244	4.15	4.481
BalcIntoCity	4.94	14.09	1294.09	4/13/2017 15:50	14.09	23160.99	23160.99	3330	3330	0.024	0	0	20.91	0	0	0	0	0	0	0
CibIntoCity	10.19	19.64	1295.64	4/13/2017 14:30	19.64	45285.97	45285.97	8170	8170	0.021	0	0	22.36	0	0	0	0	5.04	0	8985.312
F1	0.31	2.04	1341.98	4/13/2017 12:05	2.03	0	382.83	0	8.85	-0.044	0	0	11.96	0	0	0	0	55.08	4.06	6.95
f14	0.85	3.47	1369.47	4/13/2017 12:00	3.47	0	98.72	0	1.8	-0.254	0	0	5.53	0	0	0	0	11.35	0.809	8.698
f15	0.1	0.69	1366.46	4/13/2017 12:01	0.69	0	91.99	0	1.8	-0.255	0	0	8.31	0	0	0	0	11.35	0.809	8.105
F3	1.09	4	1351	4/13/2017 12:02	4	0	252.7	0	5.06	-0.76	0	0	9	0	0	0	0	32.1	1.839	7.872
F4	0.17	0.97	1346.8	4/13/2017 12:02	0.96	0	248.47	0	5.09	-0.02	0	0	8.03	0	0	0	0	32.1	1.839	7.74
f5	0.61	2.82	1363.36	4/13/2017 12:01	2.82	0	91.49	0	1.81	-0.086	0	0	6.18	0	0	0	0	11.35	0.809	8.061
f6	0.13	0.67	1359.99	4/13/2017 12:02	0.67	0	91.23	0	1.81	-0.22	0	0	10.33	0	0	0	0	11.35	0.809	8.038
f7	0.87	2.97	1358.97	4/13/2017 12:02	2.97	0	91.08	0	1.81	-0.604	0	0	8.03	0	0	0	0	11.35	0.809	8.025
f8	0.08	0.57	1356.01	4/13/2017 12:03	0.56	0	89.57	0	1.83	-0.187	0	0	9.43	0	0	0	0	11.35	0.809	7.892
f9	0.14	0.6	1347.78	4/13/2017 12:04	0.6	0	90.53	0	1.83	-0.441	0	0	9.4	0	0	0	0	11.35	0.809	7.976
GR1	0.38	1.26	1374.26	4/13/2017 11:56	1.26	0	216.49	0	2.78	-1.133	0	0	17.74	0	0	0	0	22.85	2.809	9.474
GR10	0.64	6.96	1291.14	4/13/2017 11:58	6.95	0	1012.12	0	16.5	0.6	0	0	12.04	0	0	0	0	101.24	8.943	9.997
GR11	0.57	5.4	1344.4	4/13/2017 11:55	5.4	0	136.74	0	2.17	-0.281	0	0	21.6	0	0	0	0	13.01	1.687	10.51
GR12	0.4	2.74	1279.74	4/13/2017 12:11	2.74	0	1345.56	0	44.5	-0.013	0	0	19.26	0	0	0	0	273.04	25.157	4.928
GR13	1.12	7.46	1285.46	4/13/2017 12:11	7.46	0	1345.91	0	44.4	-0.075	0	0	12.54	0	0	0	0	273.04	25.157	4.929
gr14	0.39	3.83	1300.83	4/13/2017 12:08	3.83	44.47	1185.05	0.663	35.4	0.008	0	0	20.17	0	0	0	0	219.11	18.599	5.408
gr15	0.91	3.75	1299.12	4/13/2017 12:09	3.75	0	1184.69	0	35.4	-0.047	0	0	13.25	0	0	0	0	219.11	18.599	5.407
gr16	0.35	2.71	1295.71	4/13/2017 12:09	2.71	63.37	1280.52	0.896	40.4	-0.005	0	0	22.29	0	0	0	0	248.91	22.713	5.145
gr17	0.5	3.79	1295.79	4/13/2017 12:09	3.78	0	1300.39	0	40.4	-0.008	0	0	21.21	0	0	0	0	248.91	22.713	5.224
gr18	0.6	3.03	1294.03	4/13/2017 12:09	3.02	0	1292.27	0	40.4	-0.021	0	0	20.97	0	0	0	0	248.91	22.713	5.192
gr19	1.16	3.86	1293.06	4/13/2017 12:09	3.86	0	1284.37	0	40.4	-0.046	0	0	20.14	0	0	0	0	248.91	22.713	5.16
gr20	0.42	2.32	1290.62	4/13/2017 12:10	2.32	0	1281.71	0	40.4	-0.014	0	0	21.68	0	0	0	0	248.91	22.713	5.149
gr21	0.46	2.85	1290.25	4/13/2017 12:10	2.85	133.32	1321.76	2.03	42.5	-0.04	0	0	23.15	0	0	0	0	261.54	23.729	5.054
GR4	1.77	3.5	1347.5	4/13/2017 11:58	3.5	0	553.87	0	7.26	-0.341	0	0	34.5	0	0	0	0	58.76	7.319	9.426
GR5	0.19	2.36	1344.45	4/13/2017 11:58	2.36	0	553.8	0	7.29	-0.115	0	0	10.64	0	0	0	0	58.76	7.319	9.425
GR7	0.21	2.37	1315.41	4/13/2017 12:00	2.37	112.35	1009.23	1.65	14.4	-0.007	0	0	14.63	0	0	0	0	113.07	16.258	8.926
GR8	0.49	3.73	1317.73	4/13/2017 12:01	3.73	0	929.26	0	12.8	-0.073	0	0	11.27	0	0	0	0	102.56	13.732	9.061
GR9	0.25	2.44	1320.86	4/13/2017 12:01	2.44	0	942.85	0	12.7	-0.16	0	0	12.56	0	0	0	0	102.56	13.732	9.193
J_0406_3	0.16	0.96	1261.9	4/13/2017 12:00	0.96	0	177.96	0	3.14	-0.749	0	0	24.04	0	0	0	0	19.23	2.117	9.254
J1	0.3	4	1373.83	4/13/2017 11:58	4	38.95	284.2	0.565	4.21	-0.034	0	0	32	0	0	0	0	50.69	6.821	5.607
J10	0.22	1.32	1282.43	4/13/2017 12:09	1.32	0	103.52	0	2.34	-0.033	0	0	9.68	0	0	0	0	21.19	2.268	4.885
J100	0.04	0.5	1292.39	4/13/2017 12:11	0.5	0	265.64	0	5.48	-0.75	0	0	66.5	0	0	0	0	48.41	1.547	5.487
J1000	0.11	0.54	1294.31	4/13/2017 12:04	0.54	38.56	89.54	0.658	2.64	-0.557	0	0	9.46	0	0	0	0	20.49	0.368	4.37
J1004	0.09	0.94	1306.02	4/13/2017 12:00	0.94	78.88	159.49	1.32	2.7	-0.457	0	0	19.06	0	0	0	0	18.35	0.87	8.692
J101	0.39	1.34	1319.34	4/13/2017 13:40	1.34	30.25	44.44	0.546	1.19	-2.675	0	0	8.66	0	0	0	0	4.88	0.835	9.107
J1012	0.38	2.25	1297.66	4/13/2017 12:06	2.25	47.96	821.6	0.689	28.8	-0.233	0	0	37.75	0	0	0	0	247.57	9.943	3.319
J1016	0.09	0.75	1304.75	4/13/2017 12:02	0.75	0	186.39	0	2.8	-0.531	0	0	18.25	0	0	0	0	24.07	1.511	7.744
J102	0.06	0.85	1309.85	4/13/2017 12:03	0.85	323.29	347.9	3.9	4.53	-0.75	0	0	64.15	0	0	0	0	40.12	1.4	8.671
J1023	0.08	0.81	1301.17	4/13/2017 12:00	0.81	150.65	150.65	2.87	2.87	-0.27	0	0	9.19	0	0	0	0	18.28	1.363	8.241
J1027	0.48	3.32	1324.32	4/13/2017 12:28	3.32	121.11	356.75	2.21	10.9	0.275	0	0	8.68	0	0	0	0	67.92	5.397	5.253
J1031	0.14	1.06	1309.65	4/13/2017 11:55	1.06	51.3	249.25	0.719	3.83	-0.325	0	0	22.94	0	0	0	0	23.52	2.333	10.597
J1033	0.14	0.61	1298.61	4/13/2017 12:03	0.61	55.3	192.42	1.04	3.75	-0.23	0	0	14.39	0	0	0	0	25.09	1.179	7.669
J1037	0.48	1.26	1300.45	4/13/2017 12:00	1.25	87.18	235.28	2.03	4.91	-0.476	0	0	9.74	0	0	0	0	36.4	2.65	6.464
J104	3.32	4.92	1312.77	4/13/2017 12:12	4.92	111.11	259.83	1.57	2.41	52.179	0	0	23.08	0	0	0	0	15.04	1.925	17.276
J1043	0.11	0.9	1337.67	4/13/2017 12:00	0.9	204.31	204.31	3.54	3.54	-0.052	0	0	18.1	0	0	0	0	23.4	0.423	8.731
J1045	0.08	0.92	1298.26	4/13/2017 12:01	0.92	70.64	299.35	1.1	6.03	-0.103	0	0	12.08	0	0	0	0	43.7	2.65	6.85
J1047	0.17	1.1	1291.1	4/13/2017 12:01	1.1	32.06	253.71	0.449	5.31	-0.337	0	0	13.9	0	0	0	0	35.14	0.809	7.22
J1049	0.1	0.8	1321.98	4/13/2017 11:55	0.8	199.63	199.63	3.11	3.11	-0.033	0	0	23.2	0	0	0	0	19.02	2.028	10.496
J1053	0.1	0.57	1299.38	4/13/2017 12:05	0.57	53.14	214.86	0.946	3.77	-1.198	0	0	12.43	0	0	0	0	29.96	2.065	7.172
J106	0.27	1.39	1312.78	4/13/2017 12:10	1.38	203	258.94	3.2	4.78	0.838	0	0	26.61	0	0	0	0	38.73	4.016	6.686
J1060	0.08	0.33	1311.93	4/13/2017 12:40	0.33	0	195.87	0	16.6	0.01	0	0	44.67	0	0	0	0	123.84	10.356	1.582
J1069	0.05	0.3	1296.1	4/13/2017 12:00	0.3	32.15	32.15	0.748	0.748	-0.52	0	0	12.7	0	0	0	0	4.91	0.289	6.548
J107	0.19	0.67	1329.67	4/13/2017 12:20	0.67	0	85.81	0	3.33	-0.093	0	0	24.33	0	0	0	0	20.48	2.44	4.19
J1074	0.12	0.94	1290.28	4/13/2017 12:12	0.94	0	87.23	0	2.65	0.048	0	0	12.06	0	0	0	0	20.49	0.368	4.257
J108	0.22	1.03	1334.39	4/13/2017 12:20	0.95	0	84.91	0	2.93	-0.013	0	0	8.97	0	0	0	0	17.87	2.405	4.752

Junctions SWMM 100-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J1083	0.09	0.98	1320.08	4/13/2017 12:00	0.98	58	259.12	0.938	4.48	-0.276	0	0	22.02	0	0	0	0	29.26	0.902	8.856
J1085	0.08	0.6	1308.6	4/13/2017 12:04	0.6	39.64	82.77	0.697	2.64	-0.696	0	0	15.4	0	0	0	0	16.26	1.755	5.09
J109	0.1	0.82	1312.08	4/13/2017 12:01	0.82	161.53	230.5	2.12	6.03	-0.317	0	0	30.18	0	0	0	0	57.55	4.171	4.005
J1093	0.12	0.69	1307.71	4/13/2017 12:00	0.69	62.25	62.25	1.13	1.13	-1.256	0	0	15.31	0	0	0	0	7.23	0.48	8.61
J1095	0.03	0.31	1291.71	4/13/2017 12:01	0.31	44.65	62.44	0.775	1.11	-4.918	0	0	13.69	0	0	0	0	7.36	0.133	8.484
J11	5.9	16.94	1293.94	4/13/2017 15:50	16.94	115.21	23095.76	1.6	3330	0.052	0	0	19.06	0	0	0	0	20.28	0.046	1138.844
J110	0.34	3.36	1334.36	4/13/2017 12:19	3.35	28.96	145.05	0.399	3.33	-0.016	0	0	6.64	0	0	0	0	20.48	2.44	7.083
J1100	0.04	0.32	1293.32	4/13/2017 12:01	0.32	23.24	54.4	0.512	1.26	-0.734	0	0	12.68	0	0	0	0	8.43	0.289	6.453
J1102	0.12	0.57	1286.18	4/13/2017 12:05	0.57	85.38	135.49	1.52	3.18	-0.816	0	0	11.43	0	0	0	0	21.1	0.504	6.421
J1104	4.17	9.29	1288.44	4/13/2017 13:35	9.29	99.82	8697.86	0.909	963	0.032	0	0	37.71	0	0	0	0	597.72	24.663	14.552
J1106	0.93	3.59	1287.74	4/13/2017 13:03	3.59	0	1256.97	0	93.5	0.008	0	0	17.41	0	0	0	0	1456.34	32.095	0.863
J1110	4.79	11.26	1292.26	4/13/2017 13:34	11.26	223.24	8699.24	3	963	0.037	0	0	35.74	0	0	0	0	588.3	24.617	14.787
J1112	0.41	4.73	1317.73	4/13/2017 12:00	4.73	0	258.36	0	4.49	0.03	0	0	18.27	0	0	0	0	29.26	0.902	8.83
J1117	0.09	0.75	1286.75	4/13/2017 12:07	0.75	52.31	101.18	0.787	3.44	-0.995	0	0	13.25	0	0	0	0	25.72	0.368	3.934
J112	8.29	20.18	1253.98	4/13/2017 15:38	20.18	19.88	65695.24	0.252	12500	0.013	0	0	9.82	0	0	0	0	4030.57	317.402	16.299
J1121	0.17	0.68	1319.73	4/13/2017 11:59	0.68	61.68	61.68	0.98	0.98	-1.663	0	0	17.32	0	0	0	0	6.42	0.138	9.607
J113	0.24	1.16	1322.1	4/13/2017 11:55	1.16	87.46	87.46	1.35	1.35	-0.28	0	0	7.84	0	0	0	0	8.41	0.726	10.4
J1133	0.07	0.43	1292.67	4/13/2017 12:01	0.43	18.31	69.39	0.311	1.58	-0.832	0	0	12.57	0	0	0	0	10.43	0.387	6.653
J1138	7.52	15.38	1288.84	4/13/2017 14:35	15.38	161.68	45448.01	2.11	8210	0.04	0	0	32.62	0	0	0	0	417.98	22.75	108.732
J1140	0.08	0.64	1282.75	4/13/2017 12:08	0.64	0	116.32	0	3.21	-1.29	0	0	12.36	0	0	0	0	21.1	0.504	5.513
J1143	7.47	15.77	1290.02	4/13/2017 14:32	15.77	66.15	45449.46	0.9	8210	0.031	0	0	28.23	0	0	0	0	401.95	21.079	113.072
J1149	0.69	2.81	1284.9	4/13/2017 13:05	2.81	29.71	1259.72	0.562	94.1	0.021	0	0	18.19	0	0	0	0	1460.15	32.095	0.863
J115	0.14	0.68	1319.43	4/13/2017 11:58	0.68	38.84	122.45	0.688	2.05	-0.004	0	0	20.32	0	0	0	0	12.62	1.214	9.703
J1151	0.14	1.63	1293.63	4/13/2017 12:00	1.63	39.62	324.41	0.62	5.65	-0.056	0	0	24.37	0	0	0	0	36.15	1.864	8.974
J1153	0.03	0.38	1289.38	4/13/2017 12:00	0.38	54.74	54.74	0.63	0.63	-0.959	0	0	15.62	0	0	0	0	9.19	0	5.956
J1155	0.96	4.34	1284.35	4/13/2017 13:07	4.34	24.86	1262.17	0.362	95.7	0.002	0	0	12.66	0	0	0	0	1470.98	32.095	0.858
J1157	0.05	0.54	1316.55	4/13/2017 12:01	0.54	55.99	87.35	1.14	1.69	-1.364	0	0	12.46	0	0	0	0	10.98	0.546	7.955
J116	0.36	4.26	1263.26	4/13/2017 12:00	4.26	0	318.08	0	5.81	-0.011	0	0	19.74	0	0	0	0	50.9	4.137	6.249
J1161	0.29	1.5	1287.75	4/13/2017 12:14	1.5	17.07	396.51	0.316	12.5	-0.004	0	0	18.5	0	0	0	0	109.77	3.918	3.612
J1163	0.1	0.92	1294.98	4/13/2017 11:55	0.92	116.66	116.66	1.84	1.84	-0.551	0	0	21.08	0	0	0	0	11.44	1.002	10.198
J1168	0.06	0.49	1314.49	4/13/2017 12:07	0.49	31.6	102.84	0.888	2.6	-0.5	0	0	35.51	0	0	0	0	18.24	1.619	5.638
J117	0.07	0.91	1258.03	4/13/2017 12:05	0.91	0	318.2	0	5.81	-3.7	0	0	25.09	0	0	0	0	50.9	4.137	6.251
J1170	0.13	0.95	1310.95	4/13/2017 12:01	0.95	0	229.95	0	4.07	-0.962	0	0	22.05	0	0	0	0	25.95	1.273	8.861
J1178	0.77	3.53	1284.53	4/13/2017 13:07	3.52	80.29	1263.04	1.26	95.3	0.005	0	0	13.47	0	0	0	0	1468.58	32.095	0.86
J1182	0.05	0.45	1317.03	4/13/2017 12:00	0.45	31.59	31.59	0.551	0.551	-0.683	0	0	12.55	0	0	0	0	3.68	0.028	8.584
J1185	0.75	2.66	1277.66	4/13/2017 13:13	2.66	53.31	1304.59	0.764	104	0.002	0	0	24.34	0	0	0	0	1532.58	32.968	0.851
J1190	9.95	19.99	1288.99	4/13/2017 14:34	19.99	164.9	45443.71	2.32	8210	0.066	0	0	29.01	0	0	0	0	435	23.363	104.468
J1192	1.24	5.81	1315.7	4/13/2017 12:00	5.81	184.33	240.32	3.06	4.06	-0.322	0	0	12.19	0	0	0	0	25.95	1.273	9.261
J1197	0.14	0.94	1286	4/13/2017 12:13	0.94	71.55	255.07	1.29	6.7	-0.7	0	0	13.06	0	0	0	0	49.09	2.452	5.196
J1199	0.58	2.21	1276.53	4/13/2017 13:13	2.21	0	1304.55	0	104	0.007	0	0	28.79	0	0	0	0	1532.58	32.968	0.851
J12	0.24	3.42	1286.42	4/13/2017 12:07	3.41	0	180.15	0	2.37	1.508	0	0	8.58	0	0	0	0	21.19	2.268	8.502
J120	2.02	3.34	1275.34	4/13/2017 12:17	3.34	0	591.32	0	22.4	-0.03	0	0	8.66	0	0	0	0	177.14	7.223	3.338
J1203	0.12	0.86	1341.58	4/13/2017 12:00	0.86	131.28	131.28	2.06	2.06	-0.416	0	0	18.14	0	0	0	0	17.55	0	7.48
J121	0.23	1.6	1273.82	4/13/2017 12:18	1.6	0	591.35	0	22.4	-0.027	0	0	10.4	0	0	0	0	177.14	7.223	3.338
J1212	0.07	0.69	1289.81	4/13/2017 12:00	0.69	62.52	62.52	1.08	1.08	-0.738	0	0	10.31	0	0	0	0	7.08	0.228	8.831
J122	0.25	1.19	1272.19	4/13/2017 12:03	1.19	0	302.83	0	6.99	-3.564	0	0	13.81	0	0	0	0	44.12	4.437	6.864
J1223	2.64	7.82	1285.07	4/13/2017 13:40	7.82	79.03	8690.22	0.907	964	0.029	0	0	20.18	0	0	0	0	618.01	24.663	14.062
J1227	0.07	0.65	1289.59	4/13/2017 12:00	0.65	129.56	129.56	2.23	2.23	-0.376	0	0	12.35	0	0	0	0	15.03	1.204	8.62
J123	2.19	5.88	1262.95	4/13/2017 12:26	5.88	44.43	2437.87	0.662	168	0.189	0	0	14.12	0	0	0	0	1990.45	52.764	1.225
J1232	0.03	0.43	1278.42	4/13/2017 12:01	0.43	35.57	262.39	0.487	5.18	-0.753	0	0	10.57	0	0	0	0	34.29	1.802	7.652
J1234	0.23	1.77	1295.61	4/13/2017 12:14	1.77	148.94	355.23	2.56	6.67	-0.075	0	0	21.23	0	0	0	0	42.42	2.148	8.374
J1236	3.26	8.99	1284.99	4/13/2017 13:41	8.99	0	8676.3	0	964	0.02	0	0	19.01	0	0	0	0	618.01	24.663	14.039
J1238	0.07	0.41	1330.41	4/13/2017 12:00	0.41	50.93	50.93	0.893	0.893	-0.757	0	0	18.59	0	0	0	0	6.01	0	8.474
J1240	0.06	0.5	1279.13	4/13/2017 12:00	0.5	109.25	109.25	1.9	1.9	-0.762	0	0	15.5	0	0	0	0	13.02	0.028	8.391
J1242	0.07	0.34	1310.88	4/13/2017 11:55	0.34	28.01	28.01	0.428	0.428	-0.143	0	0	7.66	0	0	0	0	3.13	0.756	8.949
J1245	0.06	0.91	1323.91	4/13/2017 12:00	0.9	108.48	352.42	1.96	6.17	-0.164	0	0	13.09	0	0	0	0	44.22	0.646	7.97
J1249	0.29	1.86	1312.98	4/13/2017 12:10	1.86	30.71	291.02	0.51	8.56	-0.09	0	0	15.14	0	0	0	0	57.98	2.554	5.019
J125	0.6	2.13	1269.87	4/13/2017 12:20	2.13	0	190.22	0	3.97	2.11	0	0	8.87	0	0	0	0	25.68	0.026	7.407
J1255	11.39	21.54	1288.66	4/13/2017 14:35	21.54	71.7	45430.48	0.706	8200	0.092	0	0	30.46	0	0	0	0	441.33	23.472	102.94

Junctions SWMM 100-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J1259	0.01	0.17	1314.67	4/13/2017 12:00	0.17	23.44	23.44	0.447	0.447	-0.336	0	0	9.83	0	0	0	0	3.74	0.28	6.267
J1269	0.13	0.79	1282.4	4/13/2017 12:00	0.79	80.64	237.57	1.35	4.69	-0.21	0	0	10.21	0	0	0	0	30.83	1.802	7.706
J1271	8.6	18.27	1282.27	4/13/2017 14:41	18.27	87.58	45405.72	1.25	8190	0.069	0	0	36.73	0	0	0	0	590.85	33.302	76.848
J1279	1.65	5.44	1275.44	4/13/2017 12:20	5.44	33.86	1390.63	0.309	119	0.003	0	0	20.56	0	0	0	0	1634.32	37.221	0.851
J1283	2.09	5.87	1275.41	4/13/2017 12:20	5.87	35.08	1383	0.478	119	-0.002	0	0	27.13	0	0	0	0	1637.95	37.221	0.844
J1285	0.54	3.73	1295.61	4/13/2017 12:15	3.72	45.44	374.17	0.764	7.44	0.148	0	0	15.27	0	0	0	0	47.1	2.716	7.944
J1287	12.15	22.24	1288.45	4/13/2017 14:36	22.24	150.03	45419.3	1.97	8200	0.093	0	0	39.76	0	0	0	0	456.3	23.87	99.538
J1289	0.1	0.59	1311.61	4/13/2017 12:00	0.59	132.81	178.05	1.99	2.88	-0.382	0	0	9.41	0	0	0	0	23.66	3.343	7.525
J1291	8.61	18.21	1281.71	4/13/2017 14:43	18.21	34.47	45395.77	0.475	8190	0.034	0	0	36.79	0	0	0	0	594.66	33.302	76.339
J1293	0.06	0.41	1314.41	4/13/2017 12:00	0.41	31.22	52.22	0.438	0.886	-0.777	0	0	9.59	0	0	0	0	7.06	0.861	7.397
J1295	0.16	0.66	1290.34	4/13/2017 12:16	0.66	34.48	194.29	0.604	8.8	-0.044	0	0	18.34	0	0	0	0	56.32	4.431	3.45
J1297	3.08	10.09	1284.09	4/13/2017 13:42	10.09	86.3	8655.58	0.96	964	0.029	0	0	7.91	0	0	0	0	628.7	25.017	13.767
J1299	0.21	0.8	1283.8	4/13/2017 12:20	0.8	73.3	198.14	0.992	9.79	-1.917	0	0	24.2	0	0	0	0	68.95	5.012	2.874
J13	0.12	0.96	1377.04	4/13/2017 12:00	0.96	52.72	184.36	0.763	3.07	-0.447	0	0	16.04	0	0	0	0	19.07	3.526	9.668
J1301	1.45	5.06	1270.12	4/13/2017 12:19	5.06	91.69	1439.33	1.44	123	0.006	0	0	19.94	0	0	0	0	1666.89	37.553	0.863
J1305	0.2	1.42	1299.42	4/13/2017 12:00	1.42	95.36	272.94	1.21	4.53	-0.117	0	0	16.58	0	0	0	0	36.12	5.958	7.556
J1307	0.16	1.2	1296.01	4/13/2017 12:00	1.2	45.92	300.86	0.605	5.14	-0.073	0	0	24.8	0	0	0	0	40.66	6.974	7.399
J1309	0.09	0.7	1314.32	4/13/2017 12:00	0.7	34.89	110.16	0.516	1.73	-0.407	0	0	20.3	0	0	0	0	13.41	0	8.215
J131	0.13	0.66	1266.51	4/13/2017 12:18	0.66	75.39	115.66	1.42	5.3	-0.541	0	0	22.34	0	0	0	0	34.94	0.603	3.31
J1316	2.98	9.01	1282.04	4/13/2017 13:43	9.01	39.02	8626.22	0.433	965	0.019	0	0	10.99	0	0	0	0	633.8	25.017	13.61
J1318	0.04	0.52	1318.03	4/13/2017 12:00	0.52	19.48	76.33	0.331	1.21	-0.6	0	0	20.48	0	0	0	0	9.44	0	8.086
J1324	1.26	5.29	1305.31	4/13/2017 12:26	5.29	0	298.87	0	11.6	-0.348	0	0	13.71	0	0	0	0	77.13	4.449	3.875
J133	0.1	0.8	1297.5	4/13/2017 12:05	0.8	0	188.71	0	3.76	-0.204	0	0	23.2	0	0	0	0	25.09	1.179	7.521
J1330	0.52	4.31	1305.31	4/13/2017 12:26	4.31	0	347.62	0	11.7	0.27	0	0	13.69	0	0	0	0	77.13	4.449	4.507
J1332	0.12	1.12	1290.74	4/13/2017 12:00	1.12	34.49	323.66	0.353	5.5	-0.061	0	0	32.88	0	0	0	0	43.69	7.472	7.408
J1334	0.1	1.02	1288.13	4/13/2017 12:00	1.02	0	323.29	0	5.5	-0.039	0	0	32.98	0	0	0	0	43.69	7.472	7.4
J1336	0.03	0.46	1326.85	4/13/2017 12:00	0.46	57.5	57.5	0.874	0.874	-0.333	0	0	17.54	0	0	0	0	7.22	0	7.964
J1344	8.91	18.68	1280.72	4/13/2017 14:44	18.68	35.85	45381.02	0.367	8180	0.035	0	0	25.32	0	0	0	0	610.86	34.495	74.29
J1346	0.05	0.63	1290.26	4/13/2017 12:00	0.63	79.03	79.03	1.13	1.13	-3.183	0	0	16.37	0	0	0	0	8.77	0.128	9.011
J135	0.07	0.64	1296.13	4/13/2017 12:00	0.64	0	424.39	0	8.34	-0.849	0	0	29.36	0	0	0	0	81.12	2.737	5.232
J1350	8.91	18.32	1281.05	4/13/2017 14:44	18.32	104.76	45389.24	1.45	8180	0.032	0	0	28.68	0	0	0	0	606.05	34.471	74.894
J1354	0.28	1.49	1286.49	4/13/2017 12:00	1.49	123.06	424.85	1.33	6.83	-0.082	0	0	32.51	0	0	0	0	56.35	9.165	7.539
J1358	0.04	0.69	1312.69	4/13/2017 12:00	0.69	41.72	151.25	0.715	2.45	-0.112	0	0	21.31	0	0	0	0	18.21	0	8.306
J1362	0.05	0.35	1286.18	4/13/2017 12:00	0.35	29.54	29.54	0.441	0.441	-0.6	0	0	17.65	0	0	0	0	4.06	0.822	7.276
J1364	0.62	1.76	1278.76	4/13/2017 13:22	1.76	23.27	187.56	0.208	10.2	1.71	0	0	23.24	0	0	0	0	71.37	5.124	2.628
J1369	0.06	0.47	1282.47	4/13/2017 12:00	0.46	53.28	126.49	1	2.38	-0.233	0	0	12.53	0	0	0	0	15.58	0.518	8.119
J137	0.06	0.6	1303.6	4/13/2017 12:00	0.6	46.84	46.84	0.908	0.908	-0.17	0	0	10.4	0	0	0	0	5.75	0.476	8.146
J1371	4.96	13.69	1280.69	4/13/2017 13:43	13.69	82.39	8624.28	0.88	965	0.035	0	0	8.31	0	0	0	0	643.06	25.39	13.411
J1377	0.1	0.93	1292.93	4/13/2017 12:00	0.93	120.05	120.05	1.57	1.57	-0.446	0	0	26.07	0	0	0	0	16.58	2.221	7.241
J1379	0.18	1.72	1284.72	4/13/2017 12:00	1.72	0	421.79	0	6.84	-0.267	0	0	34.28	0	0	0	0	56.35	9.165	7.485
J138	0.18	1.08	1266.32	4/13/2017 12:21	1.08	0	117.75	0	4.06	-1.589	0	0	32.92	0	0	0	0	42.37	4.096	2.779
J1385	0.1	0.63	1302.38	4/13/2017 12:00	0.63	97.77	272.4	1.67	4.66	-0.294	0	0	13.37	0	0	0	0	32.55	0.671	8.369
J1388	0.13	0.79	1270.71	4/13/2017 12:00	0.79	0	214.73	0	4.34	-0.056	0	0	16.21	0	0	0	0	28.25	1.341	7.601
J139	0.44	5.53	1274.32	4/13/2017 12:20	5.53	0	233.36	0	4.1	0.953	0	0	8.47	0	0	0	0	42.37	4.096	5.508
J1390	0.1	1.21	1311.21	4/13/2017 12:00	1.21	29.8	180.39	0.512	2.97	-0.185	0	0	20.79	0	0	0	0	21.65	0	8.332
J1392	0.35	2.04	1296.57	4/13/2017 12:00	2.04	119.81	467.91	1.69	18	-0.069	0	0	14.96	0	0	0	0	123.33	7.042	3.794
J1394	0.08	0.74	1310.24	4/13/2017 12:00	0.74	0	179.84	0	2.97	-0.343	0	0	13.26	0	0	0	0	21.65	0	8.307
J1396	0.11	0.4	1301.4	4/13/2017 11:55	0.4	43.31	43.31	0.57	0.57	-0.49	0	0	16.6	0	0	0	0	4.5	1.125	9.624
J1398	0.1	0.71	1276.03	4/13/2017 12:00	0.71	95.08	218.34	1.95	4.33	-0.166	0	0	16.29	0	0	0	0	28.25	1.341	7.729
J14	0.5	4.03	1352.5	4/13/2017 12:00	4.03	47.08	119.94	0.599	1.67	0.572	0	0	8.97	0	0	0	0	15.54	1.258	7.718
J1403	0.09	0.8	1266.22	4/13/2017 12:01	0.8	57.74	268.24	1.13	5.48	-0.224	0	0	15.2	0	0	0	0	38.17	1.47	7.028
J1406	6.99	16.14	1278.13	4/13/2017 14:47	16.14	50.88	45374.18	0.476	8180	0.029	0	0	26.86	0	0	0	0	616.6	34.617	73.588
J141	0.24	1.32	1313.06	4/13/2017 12:00	1.32	34.7	289.55	0.534	5.02	-0.045	0	0	15.68	0	0	0	0	32.53	1.246	8.901
J1410	0.13	1.02	1269.02	4/13/2017 12:01	1.02	0	214.03	0	4.34	-0.069	0	0	14.98	0	0	0	0	28.25	1.341	7.576
J1415	5.15	13.65	1279.65	4/13/2017 13:44	13.65	0	8623.82	0	965	0.027	0	0	8.35	0	0	0	0	643.06	25.39	13.411
J1420	0.64	2.76	1284.76	4/13/2017 12:11	2.76	78.29	539.5	0.895	22.3	-0.077	0	0	46.24	0	0	0	0	160.74	13.189	3.356
J1422	7.93	17.18	1278.18	4/13/2017 14:47	17.18	12	45364.49	0.092	8180	0.016	0	0	11.82	0	0	0	0	617.77	34.617	73.433
J1426	0.13	0.82	1280.82	4/13/2017 12:00	0.82	106.84	135.02	1.35	1.79	-3.933	0	0	23.18	0	0	0	0	16.81	3.111	8.032
J1428	0.07	0.52	1284.61	4/13/2017 12:00	0.52	53.28	53.28	0.725	0.725	-11.272	0	0	22.48	0	0	0	0	6.91	1.224	7.711

Junctions SWMM 100-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J143	0.26	2.04	1316.04	4/13/2017 12:11	2.04	48.63	73.66	0.866	1.94	-0.065	0	0	6.96	0	0	0	0	11.6	1.712	6.35
J1430	6.56	16.19	1278.48	4/13/2017 16:12	16.18	33.46	22876.1	0.325	3370	0.009	0	0	14.81	0	0	0	0	544.64	41.247	42.002
J1432	0.03	0.38	1298	4/13/2017 11:56	0.38	34.91	34.91	0.417	0.417	-2.081	0	0	20.62	0	0	0	0	3.82	0.425	9.139
J1435	8.06	17.68	1277.68	4/13/2017 14:48	17.68	62.08	45339.86	0.609	8170	0.011	0	0	24.32	0	0	0	0	643.05	37.727	70.508
J1446	0.05	0.77	1269.85	4/13/2017 12:00	0.77	109.44	109.44	1.5	1.5	-1.091	0	0	32.23	0	0	0	0	13.54	1.54	8.083
J145	0.12	0.54	1312.54	4/13/2017 12:12	0.54	0	52.6	0	1.94	-0.079	0	0	8.46	0	0	0	0	11.6	1.712	4.534
J1452	9	18.95	1277.66	4/13/2017 14:48	18.95	39.07	45334.62	0.356	8170	0.027	0	0	23.05	0	0	0	0	647.82	37.727	69.98
J1454	3.67	9.97	1270.9	4/13/2017 13:50	9.97	75.54	8698.47	0.726	978	0.045	0	0	23.03	0	0	0	0	766.97	33.04	11.341
J1463	7.37	22.77	1279.81	4/13/2017 16:16	22.75	65.42	71863.18	0.929	3580	0.997	0	0	9.23	0	0	0	0	576.72	45.012	124.607
J1465	0.07	0.61	1292.61	4/13/2017 12:00	0.61	80.69	80.69	0.961	0.961	-2.818	0	0	23.39	0	0	0	0	10.55	1.001	7.648
J1467	9.54	19.57	1277.24	4/13/2017 14:49	19.57	0	45322.07	0	8170	0.065	0	0	12.43	0	0	0	0	647.82	37.727	69.961
J1469	0.11	1.1	1281.1	4/13/2017 16:04	1.1	90.01	146.03	0.869	3.57	-0.579	0	0	15.9	0	0	0	0	36.79	1.257	3.969
J147	0.18	1.49	1318.49	4/13/2017 12:02	1.49	0	51.99	0	1.07	0.224	0	0	12.51	0	0	0	0	6.37	1.005	8.162
J1475	0.78	4.46	1288.46	4/13/2017 12:08	4.46	116.5	587.8	1.27	21.4	-0.037	0	0	15.54	0	0	0	0	152.87	11.746	3.845
J1478	9.87	19.82	1283.82	4/13/2017 16:02	19.82	74.49	22814.08	0.625	3340	0.106	0	0	9.18	0	0	0	0	249.46	14.215	91.454
J148	0.12	1.04	1316.04	4/13/2017 12:12	1.04	0	43.85	0	1.07	-0.351	0	0	7.96	0	0	0	0	6.37	1.005	6.884
J1480	0.12	1.25	1272.29	4/13/2017 13:48	1.25	188.01	188.01	2.07	2.08	-0.007	0	0	12.75	0	0	0	0	24.1	1.565	7.801
J1482	0.38	3.1	1281.1	4/13/2017 16:06	3.1	28.38	190.83	0.248	7.55	-0.233	0	0	10.9	0	0	0	0	40.02	1.275	4.768
J1484	0.04	0.64	1283.72	4/13/2017 12:00	0.64	93.73	93.73	1.57	1.57	-0.491	0	0	11.36	0	0	0	0	10.48	0	8.944
J15	0.09	1.15	1356.15	4/13/2017 11:55	1.14	32.89	164.56	0.515	2.68	-0.08	0	0	41.85	0	0	0	0	16.18	2.052	10.171
J1500	0.51	4.65	1268.65	4/13/2017 13:55	4.65	64.54	188.15	0.818	4.81	-1.169	0	0	30.35	0	0	0	0	19.44	2.142	9.678
J1504	6.12	19.51	1278.51	4/13/2017 16:15	19.45	23.25	44034.04	0.249	3460	-0.018	0	0	12.49	0	0	0	0	567.79	43.503	77.553
J151	0.38	3.36	1309.36	4/13/2017 12:00	3.36	30.31	1398.58	0.452	17.8	-0.031	0	0	34.64	0	0	0	0	166.62	14.97	8.394
J1510	0.11	0.66	1265.75	4/13/2017 12:00	0.66	110.87	110.87	1.57	1.57	-2.943	0	0	12.34	0	0	0	0	20.75	1.168	5.343
J152	0.39	5	1352	4/13/2017 12:11	5	0	225.53	0	3.98	-0.054	0	0	76	0	0	0	0	60.86	5.884	3.706
J1525	0.13	0.78	1282.42	4/13/2017 12:10	0.78	43.89	43.89	0.467	0.467	-3.248	0	0	13.22	0	0	0	0	6.55	0.054	6.701
J1527	0.03	0.43	1283.47	4/13/2017 12:00	0.43	36.49	74.72	0.577	1.36	-0.383	0	0	12.57	0	0	0	0	112.07	6.922	0.667
J1536	3.23	11.64	1275.66	4/13/2017 14:55	11.64	49.06	398.19	0.462	19.7	2.944	0	0	18.36	0	0	0	0	6.26	0	63.609
J1538	0.38	3.26	1284.26	4/13/2017 16:00	3.26	89.72	89.72	0.893	1.57	-0.261	0	0	18.74	0	0	0	0	11.94	0.124	7.514
J1542	8.14	22.93	1277.93	4/13/2017 16:12	22.91	32.82	36082.2	0.34	2980	0.022	0	0	9.07	0	0	0	0	638.61	50.638	56.501
J1544	0.07	0.7	1279.7	4/13/2017 12:00	0.7	70.73	141.3	1.24	2.62	-0.678	0	0	13.3	0	0	0	0	120.28	7.093	1.175
J1551	0.05	0.42	1281.91	4/13/2017 12:01	0.42	0	74.27	0	1.36	-0.877	0	0	13.58	0	0	0	0	112.07	6.922	0.663
J1553	0.07	1.23	1268.65	4/13/2017 13:52	1.23	50.2	50.2	0.561	0.685	-0.173	0	0	8.77	0	0	0	0	7.33	0.247	6.849
J1560	0.04	0.7	1276.7	4/13/2017 12:00	0.7	39.02	231.07	0.458	3.24	-0.921	0	0	22.3	0	0	0	0	27.25	2.408	8.48
J1563	0.22	2.27	1268.64	4/13/2017 13:52	2.27	0	52.39	0	1.49	-0.338	0	0	14.73	0	0	0	0	7.33	0.247	7.147
J1567	6.93	16.45	1284.45	4/13/2017 15:59	16.45	77.36	22874.94	0.786	3350	0.068	0	0	17.55	0	0	0	0	218.67	13.815	104.609
J157	0.22	3.39	1310.1	4/13/2017 12:02	3.39	0	176.22	0	2.48	0.358	0	0	6.61	0	0	0	0	17.65	2.83	9.984
J1571	0.55	3.79	1275.79	4/13/2017 16:16	3.79	63.98	279.61	0.619	6.07	-0.821	0	0	15.21	0	0	0	0	33.96	2.599	8.234
J1573	0.05	0.59	1267.75	4/13/2017 11:55	0.59	0	107.98	0	1.88	-0.066	0	0	14.41	0	0	0	0	11.13	1.755	9.702
J158	0.36	2.94	1356.94	4/13/2017 11:55	2.94	0	194.08	0	3.1	0.004	0	0	29.06	0	0	0	0	19.6	1.215	9.902
J1584	0.11	0.66	1270.13	4/13/2017 11:55	0.66	108.8	108.8	1.88	1.88	-0.042	0	0	12.34	0	0	0	0	11.13	1.755	9.775
J1586	6.46	18.68	1293.7	4/13/2017 15:51	18.68	0	21030.41	0	3200	0.026	0	0	5.32	0	0	0	0	83.18	0.991	252.83
J1588	0.02	0.42	1260.42	4/13/2017 12:00	0.42	101.96	101.96	1.52	1.52	-0.294	0	0	8.58	0	0	0	0	15.44	0.684	6.604
J159	0.14	1.47	1352.67	4/13/2017 11:56	1.47	0	193.48	0	3.1	-0.028	0	0	11.53	0	0	0	0	19.6	1.215	9.871
J1590	0.11	0.95	1280.31	4/13/2017 11:59	0.95	81.65	193.54	1.11	2.77	-0.29	0	0	22.05	0	0	0	0	23	2.1	8.415
J1593	7.69	18.27	1290.27	4/13/2017 15:52	18.27	63.25	22773.84	0.53	3330	0.039	0.83	0.273	5.727	0	0	0	0	90.61	1.033	251.339
J1597	0.15	0.74	1272.36	4/13/2017 12:04	0.74	106.42	239.25	1.65	4.28	-1.87	0	0	23.26	0	0	0	0	132.63	8.743	1.804
J16	0.37	4.07	1267.07	4/13/2017 12:15	4.06	0	461.34	0	14.4	-0.054	0	0	10.93	0	0	0	0	111.87	12.188	4.124
J1601	0.06	0.7	1265.72	4/13/2017 11:56	0.7	47.93	153.73	0.834	2.71	-0.057	0	0	14.3	0	0	0	0	16.43	2.104	9.357
J1609	5.79	14.88	1285.38	4/13/2017 15:56	14.88	46.38	22882.66	0.479	3350	0.038	0	0	26.12	0	0	0	0	210.63	13.23	108.639
J161	0.09	0.84	1338.34	4/13/2017 11:56	0.84	0	181.59	0	2.94	-0.071	0	0	16.16	0	0	0	0	17.86	1.982	10.167
J1613	1.23	6.42	1260.51	4/13/2017 15:21	6.42	63.97	63.97	0.752	1.2	-0.248	0	0	28.58	0	0	0	0	7.94	0.401	8.057
J1615	1.21	8.67	1293.67	4/13/2017 15:51	8.67	6.44	1902.79	0.044	148	-0.01	0	0	12.33	0	0	0	0	51.82	0.59	36.719
J1617	1.19	6.68	1274.68	4/13/2017 16:14	6.68	0	5046.95	0	367	-0.009	0	0	24.32	0	0	0	0	97.32	10.094	51.859
J1619	0.07	0.66	1264.66	4/13/2017 11:56	0.66	25.23	178.35	0.42	3.13	-0.153	0	0	21.34	0	0	0	0	19.23	2.117	9.275
J162	0.84	4.78	1379.78	4/13/2017 11:55	4.78	62.14	346.95	0.826	4.97	0.146	0	0	17.22	0	0	0	0	32.49	4.147	10.679
J1623	1.27	3.62	1258.72	4/13/2017 15:31	3.62	44.27	769.17	0.643	15.3	3.952	0	0	11.38	0	0	0	0	50.69	2.464	15.174
J1625	0.75	4.41	1290.41	4/13/2017 15:52	4.41	26.22	1893.73	0.301	137	0.006	0	0	8.59	0	0	0	0	51.21	0.59	36.98
J1627	1.12	3.47	1258.72	4/13/2017 15:31	3.47	118.61	591.51	1.52	11.5	7.88	0	0	14.53	0	0	0	0	45.05	2.152	13.13

Junctions SWMM 100-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J1629	0.04	0.59	1292.11	4/13/2017 12:00	0.59	51.11	116.33	0.67	1.66	-0.218	0	0	20.41	0	0	0	0	13.65	1.045	8.522
J1633	0.1	0.58	1270.15	4/13/2017 12:00	0.57	50.51	50.51	0.725	0.725	-0.458	0	0	11.42	0	0	0	0	7.99	0.939	6.322
J1635	6.78	15.9	1286.84	4/13/2017 15:54	15.9	50.59	22888.84	0.604	3350	0.035	0	0	25.1	0	0	0	0	203.97	13.184	112.217
J1637	0.11	0.72	1266.05	4/13/2017 12:00	0.72	29.11	77.19	0.415	1.14	-0.594	0	0	11.28	0	0	0	0	13.84	1.938	5.577
J1643	0.33	2.3	1290.3	4/13/2017 15:52	2.3	19.86	343.63	0.232	20.2	-0.147	0	0	7.7	0	0	0	0	46.86	0.59	7.333
J1645	0.13	0.62	1306.62	4/13/2017 12:00	0.62	73.43	73.43	0.986	0.986	0.033	0	0	15.38	0	0	0	0	9.3	0.517	7.896
J1647	0.05	0.5	1260.8	4/13/2017 12:00	0.5	103.46	226.82	1.5	3.64	-0.11	0	0	26.5	0	0	0	0	24.9	1.641	9.109
J1649	0.77	5.03	1258.71	4/13/2017 15:30	5.03	31.37	1191.36	0.45	25.5	0.116	0	0	9.97	0	0	0	0	66.22	4.176	17.991
J1653	0.44	2.36	1255.36	4/13/2017 12:04	2.36	92.18	499.3	1.49	11.1	-0.362	0	0	29.64	0	0	0	0	182.96	13.215	2.729
J1660	0.37	2.22	1258.72	4/13/2017 15:30	2.22	36.43	287.98	0.345	5.77	-0.316	0	0	24.78	0	0	0	0	28.37	1.711	10.151
J1662	9.53	21.15	1273.15	4/13/2017 16:00	21.14	60.01	22413.14	0.525	3340	0.124	5.66	6.661	5.849	0	0	0	0	716.68	57.976	31.274
J1664	0.14	0.83	1289.91	4/13/2017 12:00	0.83	0	256.49	0	4.24	-0.031	0	0	10.17	0	0	0	0	29.92	3.863	8.573
J1669	1.15	8.5	1273.52	4/13/2017 15:04	8.5	5.76	7524.53	0.117	464	-0.003	0	0	109.5	0	0	0	0	684.31	38.899	10.996
J1673	3.53	9.67	1260.67	4/13/2017 15:09	9.67	48.27	8626.78	0.448	980	0.042	0	0	14.33	0	0	0	0	813.9	36.192	10.599
J1675	0.11	0.71	1260.41	4/13/2017 15:26	0.71	0.01	192.45	0	3.74	-0.354	0	0	14.29	0	0	0	0	62	3.587	3.104
J1677	0.05	0.53	1264.17	4/13/2017 12:05	0.53	14.12	81.51	0.126	1.28	-0.075	0	0	10.47	0	0	0	0	21.67	2.118	3.761
J1679	0.19	1.45	1290.45	4/13/2017 12:00	1.45	126.23	126.23	1.59	1.62	-0.22	0	0	8.55	0	0	0	0	18.65	0.003	6.768
J1681	0.05	0.62	1296.98	4/13/2017 12:00	0.62	25.34	66.94	0.349	0.889	-0.425	0	0	18.38	0	0	0	0	7.85	0.79	8.527
J1683	0.16	1.15	1277.15	4/13/2017 12:03	1.15	87.87	418.86	1.11	8.4	-0.425	0	0	29.85	0	0	0	0	60.86	7.224	6.882
J1687	0.36	2.32	1260.41	4/13/2017 15:25	2.32	10.21	192.22	0.056	5.78	-1.944	0	0	18.68	0	0	0	0	64.28	3.59	2.99
J1691	0.08	0.61	1290.24	4/13/2017 12:00	0.61	62.15	62.15	0.913	0.913	-0.034	0	0	9.39	0	0	0	0	7.6	1.175	8.178
J1693	1.46	7.71	1258.71	4/13/2017 15:30	7.71	0.07	1389.83	0.001	34.3	0.008	0	0	18.29	0	0	0	0	70.19	4.182	19.801
J1697	4.7	12.41	1260.41	4/13/2017 15:25	12.41	0	8356.02	0	983	0.008	0	0	14.59	0	0	0	0	890.28	40.185	9.386
J1699	1.37	3.72	1258.72	4/13/2017 15:30	3.72	31.66	1004.25	0.472	19.4	6.211	0	0	11.28	0	0	0	0	55.76	3.131	18.01
J17	0.21	1.04	1296.59	4/13/2017 11:57	1.04	77.76	523.11	1.21	7.49	-0.025	0	0	13.96	0	0	0	0	59.17	10.144	8.841
J1701	0.17	1.5	1289.68	4/13/2017 15:53	1.5	0	61.94	0	0.978	-0.093	0	0	9.5	0	0	0	0	7.6	1.175	8.15
J1704	0.13	0.83	1295.14	4/13/2017 12:07	0.83	9.47	150	0.089	2.54	0.189	0	0	14.17	0	0	0	0	22.56	0.587	6.649
J1707	0.11	0.78	1300.78	4/13/2017 12:00	0.78	156.07	156.07	2.62	2.62	-0.134	0	0	22.22	0	0	0	0	17.94	2.482	8.7
J1711	4.91	13.38	1260.38	4/13/2017 15:25	13.38	0	8284.04	0	983	0.036	0	0	15.62	0	0	0	0	890.28	40.185	9.305
J1713	0.07	0.56	1296.02	4/13/2017 11:55	0.56	94.18	94.18	1.6	1.6	-0.272	0	0	17.44	0	0	0	0	10.6	1.475	8.885
J1719	0.79	4.57	1267.57	4/13/2017 15:07	4.57	28.8	7487.81	0.6	464	-0.045	0	0	22.43	0	0	0	0	693.14	41.121	10.803
J1721	0.09	0.87	1307.87	4/13/2017 11:55	0.87	130.21	236.62	1.75	3.25	-0.597	0	0	18.13	0	0	0	0	22.9	3.016	10.333
J1729	0.11	0.89	1290.65	4/13/2017 12:00	0.89	106.87	257.85	1.61	4.23	-0.074	0	0	22.11	0	0	0	0	29.92	3.863	8.618
J1735	0.09	1.28	1304.28	4/13/2017 11:55	1.27	69.31	69.31	0.877	0.877	-0.196	0	0	10.72	0	0	0	0	7.48	0.476	9.266
J1745	0.06	0.4	1302.4	4/13/2017 12:00	0.4	28.99	125.23	0.381	5.09	-0.193	0	0	12.6	0	0	0	0	36.08	4.249	3.471
J1758	0.08	0.7	1309.7	4/13/2017 11:55	0.7	106.84	106.84	1.51	1.51	-0.019	0	0	16.3	0	0	0	0	10.39	1.458	10.283
J1763	11.28	22.61	1260.11	4/13/2017 15:27	22.6	32.03	66355.01	0.165	12500	0.09	0	0	12.39	0	0	0	0	3478.99	268.957	19.073
J1770	0.08	0.73	1309.76	4/13/2017 12:00	0.73	111.62	152.04	1.82	2.4	-1.83	0	0	14.27	0	0	0	0	21.65	0.587	7.023
J1776	8.14	16.58	1266.49	4/13/2017 15:25	16.58	83.23	54806.48	1.12	11000	0.04	0	0	39.42	0	0	0	0	1458.2	102.249	37.585
J1780	0.79	4.78	1316.78	4/13/2017 12:11	4.78	50.64	167.04	0.61	3.85	0.517	0	0	11.22	0	0	0	0	25.46	3.457	6.561
J1786	0.05	0.7	1307.99	4/13/2017 12:00	0.7	0	75.68	0	1.16	-0.476	0	0	15.3	0	0	0	0	9.74	0.628	7.77
J1793	0.1	0.61	1322.61	4/13/2017 12:00	0.61	95.25	121.52	1.38	3.2	-1.274	0	0	20.39	0	0	0	0	20.51	2.817	5.925
J1795	0.02	0.34	1313.87	4/13/2017 12:00	0.34	40.69	40.69	0.585	0.585	-0.207	0	0	14.66	0	0	0	0	5.06	0.36	8.042
J1797	0.04	0.45	1315.08	4/13/2017 12:00	0.45	76.46	76.46	1.16	1.16	-0.301	0	0	15.55	0	0	0	0	9.74	0.628	7.85
J18	0.66	3.85	1260.84	4/13/2017 15:28	3.85	0	430.31	0	14.6	-0.174	0	0	26.15	0	0	0	0	111.87	12.188	3.847
J1806	0.11	0.75	1293.09	4/13/2017 12:03	0.75	0	82.92	0	1.48	-3.265	0	0	30.25	0	0	0	0	16.41	2.581	5.053
J1815	0.21	2.89	1267.08	4/13/2017 12:15	2.89	67.86	568.59	0.775	14.4	0.001	0	0	19.11	0	0	0	0	111.87	12.188	5.083
J1817	0.12	0.91	1344.44	4/13/2017 11:55	0.9	121.05	121.05	1.81	1.81	-1.943	0	0	20.09	0	0	0	0	10.81	1.784	11.198
J1819	0.21	1.86	1272.64	4/13/2017 12:00	1.86	99.18	326.07	1.35	5.8	-0.289	0	0	22.14	0	0	0	0	50.9	4.137	6.406
J1824	0.08	0.76	1344.76	4/13/2017 11:55	0.76	109.39	109.39	1.68	1.68	-1.017	0	0	22.24	0	0	0	0	11.64	1.097	9.398
J1829	0.1	1.18	1267.48	4/13/2017 12:00	1.18	124.9	934.5	2.15	13.8	-0.113	0	0	13.82	0	0	0	0	104.32	17.075	8.958
J1831	0.03	0.48	1281.17	4/13/2017 12:00	0.48	67.23	67.23	1.12	1.12	-0.046	0	0	10.52	0	0	0	0	9.74	0.769	6.902
J1838	0.42	5.71	1282.71	4/13/2017 12:09	5.71	32.83	568.29	0.502	13.6	-0.073	0	0	13.29	0	0	0	0	105.77	10.988	5.373
J1840	0.21	1.74	1275.18	4/13/2017 12:09	1.74	0	564.75	0	13.7	-0.1	0	0	20.26	0	0	0	0	105.77	10.988	5.339
J1842	0.18	1.38	1281.38	4/13/2017 12:03	1.38	155.91	309.94	1.8	4.07	-0.73	0	0	13.62	0	0	0	0	42.37	4.096	7.315
J1844	0.43	2.63	1262.97	4/13/2017 15:28	2.63	102.09	228.92	1.53	4.28	-0.401	0	0	31.37	0	0	0	0	21.53	2.292	10.633
J1846	0.2	1.59	1300.98	4/13/2017 11:55	1.59	234.29	234.29	3.83	3.83	-0.787	0	0	13.41	0	0	0	0	23.58	2.384	9.936
J1848	0.1	0.72	1288.55	4/13/2017 11:55	0.71	77.38	77.38	1.32	1.32	-0.062	0	0	19.28	0	0	0	0	8.11	0.85	9.541
J1850	0.08	0.97	1279	4/13/2017 11:58	0.97	34.99	233.4	0.471	4.16	-1.271	0	0	19.03	0	0	0	0	24.92	4.049	9.366

Junctions SWMM 100-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J1852	1.43	6.72	1282.72	4/13/2017 12:08	6.72	22.37	650.98	0.322	13.1	-0.093	0	0	12.28	0	0	0	0	102.76	10.589	6.335
J1855	0.2	1.09	1277.1	4/13/2017 11:59	1.09	30.75	816.42	0.454	11.6	-0.066	0	0	11.91	0	0	0	0	91.07	15.037	8.965
J1858	0.14	1.48	1268.13	4/13/2017 11:59	1.48	64.99	415.57	1.05	7.49	-0.4	0	0	30.52	0	0	0	0	46.02	4.611	9.03
J1860	0.3	2.15	1285.33	4/13/2017 12:05	2.14	47.7	674.18	0.784	12.2	-0.378	0	0	39.85	0	0	0	0	97.81	9.889	6.893
J1866	1.76	6.68	1264.68	4/13/2017 15:25	6.68	158.68	3621.79	2.54	96.1	-0.315	0	0	59.32	0	0	0	0	572.4	68.021	6.327
J1871	1.11	7.46	1269.46	4/13/2017 12:02	7.46	48.29	3543.15	0.723	91.7	0.038	0	0	26.54	0	0	0	0	557.95	64.942	6.35
J1873	0.4	6.05	1288.03	4/13/2017 12:00	6.04	102.88	405.76	1.53	6.44	-0.078	0	0	25.95	0	0	0	0	39.87	3.574	10.177
J1879	0.05	0.75	1282.42	4/13/2017 11:58	0.75	93.63	789.08	1.13	11.2	-0.035	0	0	13.25	0	0	0	0	88.08	14.287	8.959
J1881	1.04	4.93	1274.95	4/13/2017 12:02	4.93	123.19	3322.69	1.92	86.6	-0.112	0	0	29.07	0	0	0	0	528.49	60.574	6.287
J1883	0.27	2.06	1285.26	4/13/2017 12:05	2.05	32.12	645	0.495	12.8	-0.185	0	0	39.94	0	0	0	0	100.75	10.433	6.402
J1885	0.11	1.13	1299.26	4/13/2017 11:55	1.13	128.79	128.79	1.96	1.96	-0.11	0	0	29.87	0	0	0	0	12.05	1.231	10.688
J1887	0.36	3.12	1277.12	4/13/2017 11:59	3.12	36.8	1093.87	0.51	17.8	-0.285	0	0	22.88	0	0	0	0	109.92	9.675	9.952
J1889	0.1	0.59	1294.59	4/13/2017 12:00	0.59	31.65	164.22	0.482	2.23	-1.373	0	0	14.41	0	0	0	0	20.78	2.51	7.903
J1891	0.06	1.02	1291.15	4/13/2017 12:00	1.02	126.46	187.53	1.55	2.33	-1.895	0	0	13.98	0	0	0	0	21.19	2.268	8.85
J1894	0.04	0.53	1278.55	4/13/2017 12:00	0.53	39.11	105.89	0.604	1.72	-0.085	0	0	10.47	0	0	0	0	14.89	1.42	7.111
J1896	0.18	1.71	1289.74	4/13/2017 11:55	1.71	91.33	312.34	1.31	4.9	-0.188	0	0	32.29	0	0	0	0	31.11	1.867	10.04
J1898	0.35	3.23	1304.23	4/13/2017 12:03	3.23	0	1066.64	0	15.8	-1.366	0	0	51.77	0	0	0	0	120.91	18.56	8.822
J19	1.33	9.44	1273.44	4/13/2017 15:04	9.44	0	7510.7	0	464	0.003	0	0	5.56	0	0	0	0	684.31	38.899	10.976
J1900	0.27	2.93	1295.43	4/13/2017 11:57	2.93	89.42	795.69	1.3	12.6	-0.679	0	0	18.07	0	0	0	0	77.66	6.559	10.246
J1905	0.22	1.62	1317.64	4/13/2017 11:55	1.62	218.99	531.49	3.19	8.18	-0.112	0	0	26.38	0	0	0	0	50.13	4.88	10.602
J1907	0.08	1.12	1293.23	4/13/2017 12:03	1.11	50.27	650.67	0.639	11.5	-0.097	0	0	15.88	0	0	0	0	92.88	9.508	7.005
J1909	0.05	0.59	1304.59	4/13/2017 12:00	0.59	134.23	134.23	1.74	1.74	-0.229	0	0	12.41	0	0	0	0	17.09	1.741	7.854
J1911	0.15	1.64	1304.8	4/13/2017 11:55	1.64	65.3	223.54	1.01	3.59	-0.038	0	0	32.36	0	0	0	0	23.3	0.765	9.594
J1913	0.14	0.69	1306.69	4/13/2017 11:57	0.69	0	66.45	0	0.771	-0.589	0	0	18.31	0	0	0	0	7.59	0.806	8.755
J1915	0.26	2.72	1298.71	4/13/2017 12:03	2.72	0	576.44	0	9.96	-0.011	0	0	13.28	0	0	0	0	79.83	8.432	7.221
J1917	0.04	0.59	1308.11	4/13/2017 11:55	0.59	66.59	66.59	0.771	0.771	-0.027	0	0	18.41	0	0	0	0	7.59	0.806	8.773
J1920	0.48	2.08	1280.08	4/13/2017 12:00	2.08	41.95	930.08	0.673	21.7	-0.146	0	0	22.92	0	0	0	0	129.4	24.88	7.188
J1922	0.1	1.2	1311.43	4/13/2017 11:55	1.2	158.4	158.4	2.58	2.58	-0.006	0	0	21.8	0	0	0	0	16.81	0.518	9.423
J1926	0.22	1.9	1308.29	4/13/2017 11:56	1.9	37.23	561.16	0.5	8.69	-0.07	0	0	23.1	0	0	0	0	53.17	5.187	10.554
J1928	0.31	2.44	1296.44	4/13/2017 12:02	2.44	64.95	617.79	0.844	10.8	-0.029	0	0	14.56	0	0	0	0	87.56	9.323	7.056
J1932	0.16	1.06	1298.26	4/13/2017 11:55	1.06	151.09	151.09	2.49	2.49	-0.033	0	0	27.94	0	0	0	0	14.1	3.189	10.716
J1935	0.21	1.16	1299.16	4/13/2017 11:56	1.16	49.12	448.04	0.568	6.28	-0.061	0	0	12.84	0	0	0	0	50.38	8.883	8.893
J1939	0.06	0.82	1337.82	4/13/2017 11:55	0.82	92.34	223.65	1.29	3.46	-0.032	0	0	24.18	0	0	0	0	20.99	2.324	10.655
J1941	0.38	4.6	1304.1	4/13/2017 12:02	4.6	32.96	582.05	0.406	8.96	1.127	0	0	22.4	0	0	0	0	72.19	7.265	8.063
J1945	0.12	0.55	1331.8	4/13/2017 12:00	0.55	30.53	30.53	0.62	0.62	-0.055	0	0	21.45	0	0	0	0	3.79	0.497	8.055
J1947	0.03	0.41	1303.73	4/13/2017 11:55	0.41	131.23	131.23	1.49	1.49	-0.274	0	0	22.59	0	0	0	0	13.12	1.643	10.002
J1949	0.18	1.43	1307.71	4/13/2017 12:00	1.43	100.69	505.41	1.24	7.61	-1.287	0	0	14.57	0	0	0	0	62.03	6.97	8.148
J1953	0.06	0.89	1325.26	4/13/2017 12:00	0.89	0	303.85	0	3.96	-0.141	0	0	20.11	0	0	0	0	33.88	4.505	8.968
J1956	0.06	0.77	1348.07	4/13/2017 11:55	0.77	53.41	138.29	0.842	2.16	-0.198	0	0	26.23	0	0	0	0	13.01	1.687	10.63
J1962	0.02	0.28	1350.28	4/13/2017 11:55	0.28	85.16	85.16	1.32	1.32	-0.013	0	0	20.72	0	0	0	0	8.01	0.953	10.632
J1964	0.78	3.39	1285.97	4/13/2017 12:10	3.39	33.85	1328.05	0.466	43	-0.087	0	0	26.61	0	0	0	0	264.48	23.894	5.021
J1966	0.09	0.66	1315.1	4/13/2017 11:56	0.66	62.65	62.65	0.832	0.832	-2.16	0	0	12.34	0	0	0	0	6.3	0.113	9.944
J1971	0.48	5.18	1285.46	4/13/2017 12:11	5.18	98.32	1347.11	1.45	44.4	0.001	0	0	24.82	0	0	0	0	273.04	25.157	4.934
J1974	0.13	0.78	1287.34	4/13/2017 11:55	0.78	0	150.07	0	2.49	-0.11	0	0	28.22	0	0	0	0	14.1	3.189	10.643
J1983	0.29	1.14	1320.14	4/13/2017 12:00	1.14	0	331.5	0	4.9	-0.229	0	0	45.86	0	0	0	0	41.06	4.202	8.074
J1985	0.21	1.76	1328.25	4/13/2017 12:00	1.76	50.44	309.51	0.66	3.94	-0.627	0	0	19.24	0	0	0	0	33.88	4.505	9.135
J1987	0.08	0.73	1336.44	4/13/2017 11:57	0.73	37.54	261.36	0.473	3.27	-0.34	0	0	22.27	0	0	0	0	27.47	3.808	9.514
J1989	0.27	1.39	1296.94	4/13/2017 12:00	1.39	41.87	743.12	0.617	18	-0.062	0	0	20.61	0	0	0	0	108.66	20.725	6.839
J1991	0.16	1.21	1314.47	4/13/2017 12:00	1.21	113.89	427.62	1.44	6.35	-0.186	0	0	45.79	0	0	0	0	52.61	5.548	8.128
J1993	0.06	0.63	1337.63	4/13/2017 11:57	0.63	0	225.54	0	2.79	-0.107	0	0	22.37	0	0	0	0	23.57	3.483	9.569
J1997	0.66	3.22	1302.24	4/13/2017 12:08	3.22	119.41	1178.17	1.74	34.7	-0.076	0	0	34.78	0	0	0	0	215.1	18.123	5.477
J1999	0.11	1.06	1329.06	4/13/2017 12:00	1.06	0	258.96	0	3.74	-0.171	0	0	20.94	0	0	0	0	31.22	3.218	8.295
J2	0.36	3.17	1290.77	4/13/2017 14:31	3.17	105.73	171.42	1.23	4.29	-0.273	0	0	32.83	0	0	0	0	29.2	2.31	5.871
J20	0.13	0.99	1304.74	4/13/2017 11:55	0.99	57.13	353.72	0.867	5	-0.019	0	0	11.01	0	0	0	0	39	7.166	9.07
J2001	0.19	1.89	1336.89	4/13/2017 12:00	1.89	101.7	646.24	1.46	8.75	-0.228	0	0	13.11	0	0	0	0	68.68	9.227	9.409
J2003	0.11	1.1	1303.36	4/13/2017 12:00	1.1	50.47	709.17	0.759	17.4	-0.065	0	0	31.9	0	0	0	0	104.93	20.288	6.759
J2005	0.04	0.5	1344.57	4/13/2017 11:55	0.5	49.22	49.22	0.576	0.576	-0.061	0	0	14.5	0	0	0	0	5.49	0.545	8.965
J2011	0.12	1.08	1325.2	4/13/2017 12:00	1.07	81.68	332.51	1.15	4.9	-0.071	0	0	20.92	0	0	0	0	41.06	4.202	8.098
J2016	0.04	0.5	1351.98	4/13/2017 11:56	0.5	28.47	181.34	0.368	2.2	-0.283	0	0	28.5	0	0	0	0	18.08	2.938	10.03

Junctions SWMM 100-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2018	0.06	0.57	1332.11	4/13/2017 11:55	0.57	121.34	259.41	1.9	3.99	-0.121	0	0	19.43	0	0	0	0	23.42	5.734	11.076
J2020	0.17	1.1	1297.55	4/13/2017 11:55	1.09	214.01	214.01	3.59	3.59	-0.153	0	0	12.9	0	0	0	0	21.56	3.01	9.926
J2022	0.34	2.1	1310.11	4/13/2017 12:00	2.1	66.41	665.79	1.13	16.6	-0.032	0	0	29.9	0	0	0	0	100.39	19.68	6.632
J2024	0.03	0.42	1317.39	4/13/2017 11:55	0.42	152.51	152.51	2.01	2.01	-0.016	0	0	10.58	0	0	0	0	16.47	3.39	9.26
J2030	0.1	1.09	1338.66	4/13/2017 12:00	1.09	72.19	262.37	0.873	3.74	-0.182	0	0	106.91	0	0	0	0	31.22	3.218	8.404
J2032	0.06	0.67	1355.74	4/13/2017 11:55	0.67	81.34	156.93	0.88	1.82	-0.328	0	0	24.33	0	0	0	0	15.22	1.99	10.311
J2034	0.04	0.46	1369.68	4/13/2017 11:55	0.45	77.3	77.3	0.942	0.942	-0.281	0	0	24.54	0	0	0	0	7.39	1.043	10.46
J2036	0.13	1.43	1352.31	4/13/2017 11:58	1.43	0	554.63	0	7.25	-0.196	0	0	38.57	0	0	0	0	58.76	7.319	9.439
J2043	0.09	0.99	1334.13	4/13/2017 11:55	0.99	81.28	81.28	1.29	1.29	-0.015	0	0	23.01	0	0	0	0	7.51	1.281	10.823
J2045	0.56	2.56	1305.64	4/13/2017 12:08	2.56	101.99	1145.22	1.37	33	-0.074	0	0	35.44	0	0	0	0	204.41	17.113	5.603
J2047	0.01	0.35	1322.85	4/13/2017 12:00	0.35	0	11.33	0	0.01	-16.541	0	0	34.65	0	0	0	0	0	0	0
J2050	0.05	0.58	1347.62	4/13/2017 11:55	0.58	139.08	139.08	2.09	2.09	-0.013	0	0	19.42	0	0	0	0	12.58	2.988	11.056
J2053	0.12	1.06	1348.1	4/13/2017 12:00	1.06	0	117.56	0	1.66	0.001	0	0	15.94	0	0	0	0	15.54	1.258	7.565
J2058	0.04	0.48	1342.6	4/13/2017 12:00	0.48	74.32	74.32	1.36	1.36	-0.006	0	0	17.52	0	0	0	0	8.6	0.676	8.642
J2060	0.08	0.75	1353.88	4/13/2017 12:00	0.75	75.73	75.73	1.05	1.05	-1.523	0	0	12.25	0	0	0	0	10.23	0.704	7.403
J2071	0.21	1.34	1333.2	4/13/2017 12:00	1.34	43.82	362.96	0.713	10.9	-0.081	0	0	28.66	0	0	0	0	67.53	11.548	5.375
J2076	0.1	0.84	1349.07	4/13/2017 12:00	0.84	91.09	203.68	1.54	3.8	-1.717	0	0	18.16	0	0	0	0	24.03	1.928	8.476
J2078	0.17	1.63	1361.63	4/13/2017 11:57	1.63	0	475.09	0	6.26	-0.048	0	0	22.37	0	0	0	0	50.69	6.821	9.372
J2080	0.07	0.89	1369.23	4/13/2017 11:57	0.89	0	475.1	0	6.26	-0.006	0	0	22.11	0	0	0	0	50.69	6.821	9.373
J2087	0.05	0.86	1383.37	4/13/2017 11:56	0.86	96.99	227.25	1.2	2.78	-0.198	0	0	18.14	0	0	0	0	22.85	2.809	9.945
J2089	0.12	3.42	1364.39	4/13/2017 12:03	3.4	106.24	153.85	1.71	1.74	-0.156	0	0	19.58	0	0	0	0	11.39	0.027	13.507
J2094	0.2	3.1	1343.1	4/13/2017 12:06	3.1	69.33	733.84	1.11	7.69	0.112	0	0	24.9	0	0	0	0	42.83	7.169	17.134
J2096	0.09	1.17	1380.17	4/13/2017 11:55	1.17	33.58	242.74	0.515	2.87	-0.233	0	0	34.83	0	0	0	0	23.72	3.128	10.234
J2098	0.19	3.21	1364.36	4/13/2017 12:04	3.2	91.33	732.43	1.41	11.6	-0.099	0	0	18.79	0	0	0	0	74.84	7.158	9.787
J21	1.09	2.41	1278.76	4/13/2017 13:25	2.41	21.55	89.89	0.241	11.9	0.347	0	0	27.59	0	0	0	0	90.66	5.859	0.992
J2101	0.15	0.89	1365.98	4/13/2017 12:00	0.89	117.5	117.5	2.27	2.27	-0.044	0	0	17.11	0	0	0	0	14.65	0.844	8.02
J2103	0.05	0.68	1388.68	4/13/2017 11:55	0.68	74.72	210.16	0.861	2.36	-0.082	0	0	21.32	0	0	0	0	20.27	2.205	10.368
J2110	0.04	0.65	1393.07	4/13/2017 11:55	0.64	0	136.33	0	1.49	-0.063	0	0	21.35	0	0	0	0	12.68	1.462	10.752
J2112	0.32	1.89	1331.62	4/13/2017 12:05	1.88	117.44	438.08	1.8	10.7	-0.117	0	0	19.11	0	0	0	0	66.59	4.628	6.579
J2114	0.06	0.53	1359.12	4/13/2017 11:55	0.53	63.83	63.83	1.1	1.1	-0.729	0	0	23.47	0	0	0	0	6.88	0.612	9.278
J2116	0.06	0.59	1398.73	4/13/2017 11:55	0.59	132.1	132.1	1.58	1.58	-0.084	0	0	15.41	0	0	0	0	13.76	1.45	9.6
J2121	0.29	1.39	1366.39	4/13/2017 11:58	1.39	40.15	646.04	0.657	10.2	-0.193	0	0	25.61	0	0	0	0	65.76	6.774	9.824
J2123	0.06	0.73	1346.73	4/13/2017 11:55	0.73	31.7	31.7	0.452	0.452	-1.26	0	0	26.27	0	0	0	0	2.87	0.718	11.045
J2125	0.09	1.11	1376.11	4/13/2017 11:58	1.11	78.71	436.48	1.12	6.81	-0.156	0	0	24.89	0	0	0	0	44.8	0.383	9.743
J2131	0.08	1.12	1332.69	4/13/2017 11:55	1.11	0	124.41	0	2.06	-0.033	0	0	23.88	0	0	0	0	12.95	0.935	9.607
J2134	0.08	0.94	1378.74	4/13/2017 11:57	0.94	35.83	363.44	0.586	5.69	-0.143	0	0	25.06	0	0	0	0	37.53	0.235	9.684
J2136	0.03	0.45	1405.19	4/13/2017 11:55	0.45	103.49	103.49	1.1	1.1	-0.04	0	0	17.55	0	0	0	0	9.63	0.915	10.747
J2140	0.05	0.51	1395.88	4/13/2017 11:55	0.51	33.56	136.66	0.388	1.49	-0.073	0	0	17.49	0	0	0	0	12.68	1.462	10.778
J2153	0.06	0.84	1388.85	4/13/2017 11:57	0.84	31.24	328.19	0.497	5.09	-0.11	0	0	25.16	0	0	0	0	33.64	0.205	9.756
J2158	0.19	0.79	1340.64	4/13/2017 12:05	0.79	36.51	421.72	0.578	10.4	-0.222	0	0	16.21	0	0	0	0	64.57	6.26	6.531
J2160	3.05	3.51	1345.51	4/13/2017 12:04	3.51	68.73	383.02	1.32	8.85	-0.064	0	0	14.49	0	0	0	0	55.08	4.06	6.954
J2162	0.14	1.18	1390.24	4/13/2017 11:56	1.18	73.6	297.25	1.15	4.59	-0.153	0	0	24.82	0	0	0	0	30.33	0.2	9.801
J2170	0.46	2.53	1369.47	4/13/2017 12:01	2.53	108.69	108.69	1.8	1.8	-0.075	0	0	6.47	0	0	0	0	11.35	0.809	9.576
J2174	0.41	5.63	1349.63	4/13/2017 12:04	5.63	24.82	402.43	0.418	9.8	-0.045	0	0	10.37	0	0	0	0	61.04	5.874	6.593
J2176	0.07	0.75	1378.76	4/13/2017 11:56	0.74	0	299.82	0	4.35	-0.151	0	0	19.25	0	0	0	0	29.05	2.632	10.321
J2183	0.15	0.9	1384.91	4/13/2017 11:55	0.9	108.02	300.08	1.45	4.34	-0.088	0	0	20.1	0	0	0	0	29.05	2.632	10.33
J2185	0.22	4.63	1349.63	4/13/2017 12:04	4.63	107.46	563.75	1.83	9.39	0.116	0	0	17.37	0	0	0	0	58.47	5.596	9.642
J2197	0.1	0.97	1391.69	4/13/2017 11:55	0.97	69.59	199.17	0.886	2.9	-0.045	0	0	20.03	0	0	0	0	19.27	1.861	10.336
J22	0.39	2.84	1275.73	4/13/2017 13:45	2.84	0	240.64	0	12.4	0.057	0	0	12.16	0	0	0	0	90.66	5.859	2.654
J2205	0.09	0.55	1366.81	4/13/2017 12:01	0.55	0	87.57	0	1.52	0.164	0	0	11.45	0	0	0	0	9.61	0.626	9.112
J2207	0.05	0.66	1383.68	4/13/2017 11:56	0.66	54.42	219.47	0.843	3.41	-0.188	0	0	21.34	0	0	0	0	21.52	3.217	10.198
J2214	0.13	0.9	1356.41	4/13/2017 11:58	0.9	52.91	464.77	0.917	7.51	-0.646	0	0	21.1	0	0	0	0	47.05	4.597	9.878
J2216	0.07	0.58	1368.52	4/13/2017 11:56	0.58	83.55	83.55	1.51	1.51	-0.615	0	0	10.42	0	0	0	0	9.61	0.626	8.694
J2218	0.13	0.94	1388.45	4/13/2017 11:55	0.94	0	166.79	0	2.56	-0.153	0	0	28.06	0	0	0	0	15.96	2.793	10.451
J2220	0.1	1.62	1399.79	4/13/2017 11:56	1.62	97.07	228.46	1.4	3.44	-0.084	0	0	21.38	0	0	0	0	22.69	0.197	10.069
J2223	0.14	0.88	1358.5	4/13/2017 12:00	0.88	65.79	144.7	1.11	2.62	-0.715	0	0	16.12	0	0	0	0	16.78	0.9	8.623
J2227	0.08	1	1360.6	4/13/2017 11:57	1	108.07	412.01	1.55	6.59	-0.045	0	0	20	0	0	0	0	41.11	4.341	10.022
J2229	0.11	0.9	1395.35	4/13/2017 11:55	0.9	0	168.46	0	2.56	-0.105	0	0	31.1	0	0	0	0	15.96	2.793	10.555
J2235	0.16	1.15	1362.15	4/13/2017 11:57	1.15	0	314.67	0	5.04	-0.069	0	0	19.85	0	0	0	0	31.55	3.457	9.974

Junctions SWMM 100-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2237	0.41	4.39	1387	4/13/2017 11:55	4.39	103.76	103.76	1.42	1.42	-0.007	0	0	6.61	0	0	0	0	9.01	1.501	11.516
J2243	0.11	0.57	1400.35	4/13/2017 11:55	0.57	131.57	131.57	2.01	2.01	-0.026	0	0	14.43	0	0	0	0	13.07	1.708	10.067
J2246	0.13	0.88	1365.89	4/13/2017 11:57	0.88	46.79	315.31	0.626	5.03	-0.072	0	0	25.12	0	0	0	0	31.55	3.457	9.994
J2250	0.06	0.7	1400.51	4/13/2017 11:55	0.69	169.33	169.33	2.56	2.56	-0.015	0	0	31.3	0	0	0	0	15.96	2.793	10.61
J2252	0.08	0.8	1401.99	4/13/2017 11:55	0.79	132.11	132.11	2.04	2.04	-0.031	0	0	18.2	0	0	0	0	13.47	0.139	9.808
J2269	0.05	0.43	1372.08	4/13/2017 11:55	0.43	68.91	68.91	1.16	1.16	-0.302	0	0	21.57	0	0	0	0	7.23	0.606	9.531
J2272	0.05	0.55	1357.12	4/13/2017 12:00	0.55	33.09	99.73	0.552	1.71	-1.067	0	0	21.45	0	0	0	0	10.66	0.917	9.356
J2274	0.09	1.08	1369.15	4/13/2017 11:56	1.08	40.91	274.93	0.625	4.4	-0.057	0	0	24.92	0	0	0	0	27.67	3.165	9.936
J2290	0.09	0.72	1372.72	4/13/2017 11:56	0.72	118.92	237.83	1.91	3.78	-0.113	0	0	23.28	0	0	0	0	23.89	2.712	9.955
J23	0.81	4.61	1295.61	4/13/2017 12:15	4.61	48.73	215.6	0.754	8.19	-0.079	0	0	14.39	0	0	0	0	51.58	3.371	4.18
J24	0.13	1	1302.85	4/13/2017 11:56	1	52.08	404.5	0.71	5.71	-0.032	0	0	12	0	0	0	0	45.45	7.996	8.9
J25	0.22	1.14	1289.48	4/13/2017 12:12	1.14	0	433.5	0	10.5	0.054	0	0	28.86	0	0	0	0	96.94	3.681	4.472
J26	1.79	3.97	1306.65	4/13/2017 12:48	3.97	0	1195.1	0	79.9	3.174	0	0	6.03	0	0	0	0	1333.52	27.051	0.896
J2692	1.88	5.7	1342.87	4/13/2017 12:06	5.67	81.43	1000.78	1.2	9.99	-0.205	0	0	27.3	0	0	0	0	56.42	9.439	17.738
J2693	0.06	0.69	1323.25	4/13/2017 12:02	0.69	0	347.99	0	6.18	-1.002	0	0	11.31	0	0	0	0	44.22	0.646	7.87
J2694	0.28	3.07	1297.07	4/13/2017 12:09	3.06	34.85	246.98	0.488	4.08	0.107	0	0	16.93	0	0	0	0	24.44	3.427	10.106
J2696	0.15	1.14	1325.14	4/13/2017 11:55	1.13	67.15	318.94	0.896	4.98	-0.156	0	0	26.86	0	0	0	0	30.41	3.152	10.488
J2698	0.1	0.95	1287.95	4/13/2017 12:02	0.95	0	189.59	0	3.33	-0.137	0	0	10.05	0	0	0	0	22.11	1.432	8.575
J2699	0.16	1.29	1273.29	4/13/2017 11:57	1.29	130.12	130.12	2.13	2.13	-0.222	0	0	22.71	0	0	0	0	13.23	1.247	9.835
J27	0.12	0.88	1307.85	4/13/2017 11:55	0.88	65.66	299.14	0.883	4.13	-0.027	0	0	12.12	0	0	0	0	32.26	6.458	9.273
J2705	0.32	1.86	1314.35	4/13/2017 12:00	1.86	37.16	606.35	0.574	15.5	-0.012	0	0	23.14	0	0	0	0	94.13	18.052	6.442
J2706	7.09	16.59	1278.89	4/13/2017 16:09	16.59	37.88	22790.65	0.31	3370	0.029	0	0	25.41	0	0	0	0	541.36	40.84	42.099
J2707	0.66	2.69	1271.09	4/13/2017 12:21	2.69	56.15	1418.28	0.541	122	0	0	0	25.31	0	0	0	0	1656.15	37.249	0.856
J2712	4.22	10.29	1272.29	4/13/2017 13:47	10.29	0	8704.72	0	978	0.032	0	0	22.71	0	0	0	0	757.82	32.815	11.487
J2714	0.1	0.76	1306.06	4/13/2017 12:03	0.76	0	83.34	0	2.88	-0.38	0	0	12.24	0	0	0	0	21.38	1.725	3.898
J2718	0.16	1.19	1295.19	4/13/2017 12:03	1.19	0	284.7	0	6.04	-0.524	0	0	12.81	0	0	0	0	43.7	2.65	6.515
J2720	0.13	0.77	1309.77	4/13/2017 12:00	0.77	0	194.77	0	3.32	-0.086	0	0	11.23	0	0	0	0	26.79	4.098	7.27
J2722	2.45	3.76	1278.76	4/13/2017 13:23	3.76	54.31	289.7	0.629	11.8	1.566	0	0	26.24	0	0	0	0	88.12	5.594	3.288
J2723	0.27	1.41	1282.41	4/13/2017 12:10	1.41	67.88	183.01	0.628	2.1	-2.437	0	0	20.59	0	0	0	0	25.3	1.137	7.234
J2724	0.91	3.64	1296.64	4/13/2017 12:59	3.64	69.17	1188.29	1.19	79.2	0.364	0	0	16.36	0	0	0	0	1355.07	28.491	0.877
J2726	0.07	0.46	1262.8	4/13/2017 12:07	0.46	21.89	84.78	0.21	1.49	-0.759	0	0	11.54	0	0	0	0	24.45	2.144	3.467
J2729	0.87	1.33	1345.51	4/13/2017 12:04	1.33	38.74	338.88	0.581	7.51	-0.102	0	0	16.67	0	0	0	0	46.97	3.062	7.215
J2732	5.85	17.12	1277.12	4/13/2017 16:15	17.08	101.15	22912.96	0.859	3370	0.038	0	0	10.88	0	0	0	0	564.77	43.358	40.57
J2734	0.31	1.45	1308.1	4/13/2017 12:51	1.45	0	543.13	0	17.1	0.265	0	0	10.55	0	0	0	0	142.79	5.198	3.804
J2736	0.11	0.93	1326.93	4/13/2017 12:00	0.93	60.48	232.92	0.831	3.8	-0.609	0	0	18.07	0	0	0	0	29.05	0	8.018
J2737	0.1	0.85	1344.85	4/13/2017 12:00	0.85	103.11	200.55	1.2	2.86	-0.072	0	0	107.15	0	0	0	0	24.67	2.91	8.129
J2739	0.14	1.66	1293.04	4/13/2017 12:02	1.66	55.93	237.45	1.1	4.86	-0.216	0	0	16.34	0	0	0	0	32.17	0.809	7.381
J2740	0.15	0.93	1275.69	4/13/2017 12:01	0.93	121.61	214.2	2.25	3.82	-3.733	0	0	11.07	0	0	0	0	25.68	0.026	8.341
J2746	0.08	0.85	1342.85	4/13/2017 11:56	0.85	0	227.48	0	2.78	-0.419	0	0	28.15	0	0	0	0	23.57	3.483	9.651
J2748	0.04	0.46	1307	4/13/2017 12:01	0.46	11.86	115.49	0.13	1.45	-4.48	0	0	15.54	0	0	0	0	16.68	0.004	6.924
J2750	0.36	2.6	1289.68	4/13/2017 15:54	2.6	47.01	359.13	0.469	6.28	-0.592	0	0	17.4	0	0	0	0	41.92	5.06	8.567
J2751	1.19	2.49	1291.38	4/13/2017 13:22	2.49	78.26	129.5	1.36	2.53	19.17	0	0	5.51	0	0	0	0	15.82	0.944	8.186
J2753	0.11	1.23	1322.28	4/13/2017 11:55	1.23	68.15	272.17	0.974	4.32	-0.541	0	0	23.77	0	0	0	0	26.27	2.992	10.36
J2754	0.11	2.42	1290.42	4/13/2017 12:01	2.39	0	297.47	0	4.17	0.219	0	0	23.58	0	0	0	0	30.75	3.806	9.674
J2756	2.92	7.61	1286.61	4/13/2017 13:36	7.61	0	8695.33	0	964	0.048	0	0	9.39	0	0	0	0	606.91	24.663	14.327
J2772	1.01	2.86	1306.65	4/13/2017 12:49	2.86	0	216.99	0	3.41	16.909	0	0	10.14	0	0	0	0	23.96	0.004	9.056
J2774	0.16	1.27	1287.27	4/13/2017 11:58	1.27	80.02	710.8	1.05	10	-0.085	0	0	21.73	0	0	0	0	79.29	13.518	8.965
J2776	0.15	1.78	1357.78	4/13/2017 11:57	1.77	87.41	554.51	0.978	7.24	-0.06	0	0	38.22	0	0	0	0	58.76	7.319	9.437
J2778	0.39	1.78	1299.78	4/13/2017 12:03	1.78	0	205.93	0	8.15	-1.041	0	0	14.22	0	0	0	0	58.73	6.107	3.506
J2779	0.31	2.26	1286.71	4/13/2017 12:00	2.26	31.44	901.09	0.444	21	-0.092	0	0	22.74	0	0	0	0	125.32	24.382	7.19
J2781	7.48	17.26	1284.26	4/13/2017 16:00	17.26	60.73	22854.85	0.478	3350	0.122	0	0	9.74	0	0	0	0	238.05	14.105	96.009
J2789	6.03	15.92	1286.94	4/13/2017 14:37	15.92	35.8	600.5	0.46	18.6	3.974	0	0	35.08	0	0	0	0	89.65	5.747	6.698
J2790	11.96	22.31	1285.31	4/13/2017 14:38	22.31	73.02	45408.55	0.896	8190	0.077	0	0	32.69	0	0	0	0	570.08	31.912	79.653
J2793	3.88	9.63	1298.65	4/13/2017 13:29	9.63	50.18	8690.66	0.433	959	0.054	0	0	42.37	0	0	0	0	537.16	23.499	16.179
J2795	0.62	2.42	1294.51	4/13/2017 12:03	2.42	57.53	545.96	0.643	19.1	-0.384	0	0	13.58	0	0	0	0	133.47	8.332	4.091
J2796	0.15	0.77	1292.41	4/13/2017 12:11	0.77	0	260.87	0	5.41	-0.044	0	0	10.23	0	0	0	0	40.39	2.452	6.459
J2797	0.16	1.51	1290.29	4/13/2017 15:53	1.51	24.61	242.95	0.267	6.68	-0.11	0	0	10.49	0	0	0	0	44.15	0.59	5.503
J2798	0.12	1.07	1303.48	4/13/2017 12:00	1.07	63.51	164.15	0.869	5.78	-0.057	0	0	23.93	0	0	0	0	36	2.727	4.56
J28	0.32	2.33	1324.33	4/13/2017 12:28	2.33	0	304.51	0	5.28	0.201	0	0	10.67	0	0	0	0	33.66	1.659	9.047

Junctions SWMM 100-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2802	0.14	1.33	1359.3	4/13/2017 12:04	1.33	33.7	641.83	0.571	13.9	-0.028	0	0	22.67	0	0	0	0	89.02	8.429	7.21
J2803	0.09	0.75	1339.24	4/13/2017 11:55	0.75	52.39	124.82	0.693	2.05	-0.048	0	0	17.25	0	0	0	0	12.95	0.935	9.639
J2807	0.55	2.87	1351	4/13/2017 12:02	2.87	51.78	285.13	0.709	5.08	0.377	0	0	14.13	0	0	0	0	32.1	1.839	8.883
J2812	0.04	0.26	1292.8	4/13/2017 12:00	0.26	17.96	17.96	0.335	0.335	-0.665	0	0	13.74	0	0	0	0	2.24	0.032	8.018
J2817	0.73	5.41	1320.41	4/13/2017 12:10	5.41	0	719.89	0	33.3	0.015	0	0	13.59	0	0	0	0	373.68	13.843	1.926
J2820	1.08	4.07	1308.07	4/13/2017 12:53	4.07	57.54	687.51	1.18	22	3.402	0	0	6.93	0	0	0	0	174.65	6.391	3.937
J2823	0.1	0.78	1310.78	4/13/2017 11:55	0.78	86.75	237.44	1.24	3.24	-0.041	0	0	12.22	0	0	0	0	25.44	5.286	9.333
J2829	0.56	5.1	1304.1	4/13/2017 12:02	5.1	65.71	576.81	1.1	9.96	-0.05	0	0	21.9	0	0	0	0	79.83	8.432	7.225
J2831	0.27	1.45	1290.45	4/13/2017 12:03	1.45	0	525.15	0	20.1	-0.208	0	0	15.55	0	0	0	0	140.69	9.875	3.733
J2835	0.09	0.74	1276.83	4/13/2017 12:00	0.74	26.12	227.86	0.378	4.44	-0.153	0	0	13.26	0	0	0	0	38.77	3.874	5.877
J2842	2.86	7.76	1303.76	4/13/2017 13:31	7.76	39.37	8270.22	0.391	909	0.014	0	0	18.24	0	0	0	0	42.5	1.316	194.593
J2846	10.33	20.72	1262.97	4/13/2017 15:27	20.72	82.8	56362.83	1.23	11200	0.104	0	0	30.28	0	0	0	0	2232.33	191.465	25.248
J2851	0.18	1.96	1300.96	4/13/2017 11:56	1.96	163.46	714.32	2.55	11.2	-0.051	0	0	19.04	0	0	0	0	69.44	6.079	10.287
J2857	0.37	1.83	1308.08	4/13/2017 12:52	1.83	95.19	634.56	1.82	20.2	-0.001	0	0	10.17	0	0	0	0	163.2	6.011	3.888
J2860	0.14	1.88	1281.66	4/13/2017 11:58	1.88	61.86	1062.34	0.893	17.3	-0.02	0	0	23.12	0	0	0	0	106.73	9.461	9.954
J2861	0.17	1.12	1312.64	4/13/2017 12:00	1.12	455.66	455.66	15	15	-0.173	0	0	10.88	0	0	0	0	128.98	5.198	3.533
J2864	8.11	16.56	1267.55	4/13/2017 15:21	16.56	168.57	54815.88	2.43	11000	0.046	0	0	49.44	0	0	0	0	1433.62	99.695	38.236
J2869	9.31	19.72	1274.57	4/13/2017 14:58	19.72	14.93	45142.46	0.144	8150	0.061	0	0	98.28	0	0	0	0	676.02	38.467	66.777
J2870	0.35	1.54	1302.55	4/13/2017 12:49	1.54	0	1173.88	0	75.9	0.003	0	0	9.46	0	0	0	0	1333.52	27.051	0.88
J2878	0.14	1.16	1369.16	4/13/2017 11:57	1.16	107.13	613.7	1.73	9.5	-0.272	0	0	25.84	0	0	0	0	61.37	6.774	10
J2882	1.03	3.42	1288.64	4/13/2017 13:02	3.42	74.97	1257.75	1.1	93.5	0.034	0	0	16.58	0	0	0	0	1456.34	32.095	0.864
J2885	0.12	1.08	1280.48	4/13/2017 12:03	1.08	47.21	367.93	0.734	7.28	-0.094	0	0	23.92	0	0	0	0	50.35	6.582	7.307
J2886	0.45	2.22	1305.22	4/13/2017 12:01	2.22	117.86	723.91	1.74	45.2	-0.075	0	0	22.78	0	0	0	0	448.01	19.458	1.616
J2887	7.77	17.21	1277.71	4/13/2017 14:48	17.21	0	45360.23	0	8180	0.052	0	0	11.79	0	0	0	0	634.58	37.727	71.481
J2891	0.69	3.89	1297.07	4/13/2017 12:09	3.88	0	1267.72	0	39.5	-0.041	0	0	13.11	0	0	0	0	243.55	22.026	5.205
J2893	7.47	16.02	1290.77	4/13/2017 14:31	16.02	0	45386.47	0	8200	0.028	0	0	18.98	0	0	0	0	295.37	12.261	153.66
J2894	0.44	2.23	1308.36	4/13/2017 12:07	2.23	0	1121.61	0	31.6	-0.041	0	0	33.77	0	0	0	0	195.8	16.616	5.728
J2898	0.16	1.42	1255.45	4/13/2017 12:04	1.42	35.03	474.98	0.355	9.42	-0.303	0	0	30.58	0	0	0	0	171.23	11.847	2.774
J2899	3.47	8.82	1292.94	4/13/2017 13:32	8.82	55.81	8698.06	0.611	961	0.117	0	0	43.18	0	0	0	0	561.59	23.502	15.488
J2900	0.05	0.59	1261.59	4/13/2017 12:09	0.59	43.76	211.81	0.514	3.63	0.757	0	0	13.41	0	0	0	0	55.65	3.587	3.806
J2901	0.22	1.08	1303.08	4/13/2017 12:03	1.08	12.09	85.98	0.145	3.04	-0.314	0	0	11.92	0	0	0	0	22.65	1.858	3.796
J2902	0.83	3	1265.85	4/13/2017 12:22	3	107.65	2192.09	1.5	154	-0.074	0	0	22	0	0	0	0	1907.07	47.333	1.149
J2905	0.25	1.94	1286.94	4/13/2017 14:37	1.94	36.11	516.78	0.466	11.9	-0.17	0	0	25.06	0	0	0	0	75.2	4.602	6.872
J2907	0.1	0.51	1284.51	4/13/2017 12:00	0.51	41.35	41.35	0.777	0.777	-0.491	0	0	10.49	0	0	0	0	108.49	6.603	0.381
J2913	9.57	19.23	1294.73	4/13/2017 14:30	19.23	118.36	45391.7	1.24	8200	0.052	0	0	27.77	0	0	0	0	263.32	9.948	172.382
J2915	5.41	11.57	1266.57	4/13/2017 13:54	11.57	0	8654.79	0	979	0.033	0	0	18.43	0	0	0	0	802.92	36.077	10.779
J2917	0.21	1.46	1301.76	4/13/2017 12:01	1.46	0	359.9	0	16.4	-0.002	0	0	15.54	0	0	0	0	109.68	5.121	3.281
J2919	1.03	4.18	1276.18	4/13/2017 13:18	4.18	130.73	1333.89	1.98	112	0.031	0	0	26.82	0	0	0	0	1582.22	34.77	0.843
J2923	11.49	21.44	1264.44	4/13/2017 15:25	21.44	115.14	56361.15	1.33	11200	0.072	0	0	29.56	0	0	0	0	2181.01	185.82	25.842
J2924	3.27	11.68	1289.68	4/13/2017 15:53	11.68	25.39	554.49	0.182	19	1.177	0	0	9.32	0	0	0	0	147.44	11.763	3.761
J2934	1.05	4.23	1281.73	4/13/2017 12:13	4.23	42.02	822.23	0.417	29.6	-0.115	0	0	44.77	0	0	0	0	221.24	22.866	3.716
J2936	8.4	17.36	1292.36	4/13/2017 14:31	17.36	34.86	45384.12	0.435	8190	0.018	0	0	28.64	0	0	0	0	266.17	9.951	170.508
J2937	8.25	22.31	1277.41	4/13/2017 16:15	22.27	49.27	23196.19	0.56	2980	0.039	0	0	9.69	0	0	0	0	635.39	50.168	36.507
J2942	0.94	4.1	1281.1	4/13/2017 16:05	4.1	0	767.46	0	29.7	-0.091	0	0	34.9	0	0	0	0	221.24	22.866	3.469
J2945	9.61	20.6	1260.6	4/13/2017 15:28	20.6	0	43303.09	0	10100	0.058	0	0	14.4	0	0	0	0	2544.34	227.774	17.019
J2949	11.1	22.5	1257.5	4/13/2017 15:32	22.5	0.5	65908.24	0.01	12500	0.03	4.13	2.983	6.497	0	0	0	0	3582.93	274.53	18.395
J2952	0.43	1.53	1303.53	4/13/2017 12:48	1.53	0	1173.85	0	75.9	0.002	0	0	9.47	0	0	0	0	1333.52	27.051	0.88
J2954	1.71	5.8	1282.18	4/13/2017 13:12	5.8	100.5	1318.91	1.46	104	0.118	0	0	21.2	0	0	0	0	1527.47	32.968	0.863
J2956	7.61	16.11	1290.61	4/13/2017 14:31	16.11	0	45452.76	0	8210	0.052	0	0	27.89	0	0	0	0	396.01	21.079	114.777
J2959	0.45	3.84	1275.48	4/13/2017 12:02	3.83	45.13	3256.54	0.612	84.7	-0.004	0	0	24.16	0	0	0	0	516.37	59.748	6.307
J2960	4.03	11.48	1260.41	4/13/2017 15:25	11.48	0.03	8537.71	0.001	986	0.064	0	0	14.52	0	0	0	0	890.28	40.185	9.59
J2962	1.33	5.1	1281.1	4/13/2017 16:05	5.1	0	816.48	0	43	-0.845	0	0	36.9	0	0	0	0	261.26	24.142	3.125
J2963	6.59	16.38	1260.38	4/13/2017 15:25	16.38	18.03	19572.48	0.284	2030	0.247	0	0	14.62	0	0	0	0	3151.85	232.619	6.21
J2965	10.22	20.61	1285.41	4/13/2017 14:37	20.61	79.02	45409.71	1.03	8200	0.027	0	0	41.39	0	0	0	0	562.76	31.826	80.691
J2966	0.11	0.74	1286.74	4/13/2017 12:15	0.74	59.74	413.24	1.26	13.7	-0.017	0	0	9.26	0	0	0	0	118.01	4.376	3.502
J2967	4.68	11.77	1275.72	4/13/2017 13:46	11.77	0	8721.63	0	977	0.043	0	0	9.23	0	0	0	0	733.72	31.25	11.887
J2968	8.23	18.64	1289.68	4/13/2017 15:53	18.64	48.4	22896.86	0.529	3350	0.052	0	0	15.36	0	0	0	0	199.02	12.688	115.048
J2971	8.6	18.71	1261.21	4/13/2017 15:28	18.71	208.15	47514.33	2.79	10500	0.09	0	0	28.29	0	0	0	0	2385.35	211.463	19.919
J2972	8.59	17.81	1293.06	4/13/2017 14:30	17.81	0	45385.59	0	8190	0.021	0	0	29.19	0	0	0	0	263.32	9.948	172.359

Junctions SWMM 100-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2973	6.1	17.8	1293.8	4/13/2017 15:50	17.8	51.26	22983.86	0.453	3340	0.032	0	0	18.2	0	0	0	0	83.18	0.991	276.315
J2976	1.06	5.33	1277.33	4/13/2017 12:02	5.33	0	2255.04	0	66.2	-0.102	0	0	22.67	0	0	0	0	402.44	50.036	5.603
J2977	1.36	4.72	1275.72	4/13/2017 12:19	4.72	0	1419.35	0	118	0.018	0	0	21.28	0	0	0	0	1631.31	37.221	0.87
J2978	9.44	19.74	1260.83	4/13/2017 15:27	19.74	5.26	47514.62	0.029	10500	0.055	0	0	17.26	0	0	0	0	2501.97	223.678	18.991
J2982	0.66	3.03	1290.03	4/13/2017 13:02	3.03	68.98	1213.49	0.944	86.4	0.039	0	0	12.97	0	0	0	0	1404.98	29.446	0.864
J2984	7.78	17.12	1279.64	4/13/2017 16:09	17.12	0	22783.94	0	3370	0.013	0	0	24.88	0	0	0	0	520.27	38.604	43.793
J2989	3.62	9.62	1299.24	4/13/2017 13:28	9.62	78.88	8685.62	0.775	955	0.057	0	0	40.38	0	0	0	0	508.79	21.167	17.071
J2990	0.73	2.77	1266.77	4/13/2017 12:21	2.77	122.49	2066.65	1.82	147	-0.014	0	0	22.23	0	0	0	0	1856.22	45.633	1.113
J2991	8.46	17.02	1267.02	4/13/2017 15:22	17.02	39.68	54806.07	0.436	11000	0.033	0	0	48.98	0	0	0	0	1440.67	100.39	38.042
J2994	11.15	22.38	1257.18	4/13/2017 15:32	22.38	0.12	65908.16	0.002	12500	0.02	0	0	18.62	0	0	0	0	3588.22	274.537	18.368
J2995	0.33	2.87	1320.95	4/13/2017 12:06	2.86	101.78	890.43	1.58	22.7	-0.256	0	0	22.13	0	0	0	0	141.25	11.396	6.304
J29951	0.4	2.54	1309.54	4/13/2017 12:07	2.54	0	1124.73	0	31.6	-0.007	0	0	19.46	0	0	0	0	195.8	16.616	5.744
J2996	0.31	2.15	1314.94	4/13/2017 12:07	2.15	0	1011.73	0	27.2	-0.004	0	0	19.85	0	0	0	0	169.53	13.624	5.968
J2997	0.54	4.87	1320.53	4/13/2017 12:07	4.87	44.37	1018.01	0.676	27.3	0.103	0	0	20.13	0	0	0	0	169.53	13.624	6.005
J2999	10.58	22.71	1258.71	4/13/2017 15:31	22.71	22.31	66122.66	0.165	12500	0.122	0	0	6.29	0	0	0	0	3578.82	274.491	18.476
J3	0.85	4.74	1385.24	4/13/2017 11:55	4.74	128.49	128.49	1.86	1.86	0.005	0	0	9.26	0	0	0	0	12.26	1.413	10.48
J30	5.41	14.87	1277.87	4/13/2017 16:13	14.87	28.79	22961.59	0.254	3370	0.022	0	0	16.13	0	0	0	0	547.74	41.433	41.921
J3001	12.29	23.69	1259.94	4/13/2017 15:27	23.69	122.26	66218.9	1.39	12500	0.084	0	0	28.31	0	0	0	0	3503.62	270.129	18.9
J3002	9.29	19.69	1254.59	4/13/2017 15:37	19.69	1.95	65841.14	0.013	12500	0.097	0	0	19.31	0	0	0	0	3874.93	293.395	16.992
J3003	3.74	10.51	1260.51	4/13/2017 15:21	10.51	0	8581.6	0	980	0.011	0	0	24.49	0	0	0	0	821.84	36.593	10.442
J3004	6.75	14.7	1268.64	4/13/2017 13:53	14.7	94.71	8684.27	0.959	985	0.282	0	0	19.3	0	0	0	0	802.92	36.077	10.816
J3006	6.58	15.45	1279.49	4/13/2017 13:44	15.45	0	8623.33	0	965	0.026	0	0	6.55	0	0	0	0	643.06	25.39	13.41
J3007	6.04	11.81	1308.01	4/13/2017 13:30	11.81	33.61	8270.11	0.458	909	0.028	0	0	8.19	0	0	0	0	38.45	1.048	215.087
J3018	0.89	5.43	1310.43	4/13/2017 12:00	5.43	36.57	1039.68	0.643	15.1	-0.064	0	0	11.57	0	0	0	0	116.75	17.391	8.905
J3019	0.14	1.09	1306.56	4/13/2017 12:00	1.09	43.67	1066.73	0.761	15.8	-0.038	0	0	15.91	0	0	0	0	120.91	18.56	8.823
J3020	0.25	3.97	1342.77	4/13/2017 12:05	3.97	71.53	484.52	1.21	10.2	-0.079	0	0	29.03	0	0	0	0	63.56	10.581	7.623
J3022	10.07	19.62	1270.62	4/13/2017 15:21	19.61	0	54938.37	0	11000	0.054	0	0	7.38	0	0	0	0	1392.7	96.443	39.447
J3023	8.6	21.97	1276.97	4/13/2017 16:14	21.97	46.98	25474.48	0.388	3340	0.062	0	0	10.03	0	0	0	0	629.35	49.581	40.477
J3024	7.75	17.11	1281.1	4/13/2017 16:05	17.11	47.77	22794.2	0.362	3380	0.058	0	0	21.89	0	0	0	0	520.27	38.604	43.812
J3025	10.4	20.66	1275.66	4/13/2017 14:54	20.66	149.16	45285.63	1.44	8190	0.182	0	0	9.34	0	0	0	0	674.15	38.21	67.174
J3026	14.62	24.95	1286.94	4/13/2017 14:37	24.95	70.46	45420.39	0.717	8200	0.076	0	0	37.05	0	0	0	0	552.76	30.156	82.17
J3027	6.09	15.94	1286.94	4/13/2017 14:36	15.94	0	620.25	0	15	5.967	0	0	11.06	0	0	0	0	86.64	5.604	7.159
J3044	7.28	13.17	1308.17	4/13/2017 13:30	13.17	32.42	8265.58	0.461	908	0.139	0	0	11.83	0	0	0	0	27.61	0.406	299.369
J3049	10.27	20.46	1271.96	4/13/2017 15:08	20.46	0	37837.94	0	7680	0.084	3.67	2.246	6.544	0	0	0	0	676.02	38.467	55.972
J31	8.1	21.63	1277.63	4/13/2017 16:14	21.61	74.73	59385.82	0.94	3460	0.144	0	0	10.37	0	0	0	0	587.49	46.682	101.084
J32	0.91	6.35	1275.79	4/13/2017 16:17	6.34	27.2	5094.57	0.38	364	-0.007	0	0	19.65	0	0	0	0	36.46	2.87	139.73
J33	8.04	22.58	1277.4	4/13/2017 16:12	22.55	26.74	17440.72	0.207	2980	0.046	4.83	8.09	9.42	0	0	0	0	642.07	50.665	27.163
J35	0.54	4.95	1324.95	4/13/2017 11:58	4.95	91.49	193.98	1.61	3.34	0.118	0	0	14.05	0	0	0	0	21.13	1.299	9.18
J36	4.09	9.56	1263.56	4/13/2017 14:07	9.56	35.63	8652.02	0.375	979	0	0	0	12.44	0	0	0	0	807.92	36.177	10.709
J37	1.06	5.75	1316.75	4/13/2017 12:28	5.75	88.22	629.6	1.36	36.9	0.026	0	0	13.25	0	0	0	0	396.18	15.51	1.589
J38	0.34	1.79	1311.79	4/13/2017 12:28	1.79	0	625.29	0	36.9	-0.017	0	0	15.21	0	0	0	0	396.18	15.51	1.578
J39	10.8	21.74	1256.34	4/13/2017 15:34	21.74	9.17	65877.04	0.066	12500	0.027	0	0	19.26	0	0	0	0	3605.21	275.709	18.273
J4	0.24	4.4	1384.65	4/13/2017 11:55	4.39	0	128.17	0	1.86	-0.12	0	0	9.6	0	0	0	0	12.26	1.413	10.454
J40	0.27	1.03	1319.78	4/13/2017 12:46	1.03	17.36	122.19	0.274	3.37	-2.301	0	0	7.97	0	0	0	0	33.39	2.295	3.659
J41	10.51	21.25	1255.75	4/13/2017 15:35	21.25	1.25	65860.87	0.007	12500	0.03	0	0	19.75	0	0	0	0	3611.78	275.722	18.235
J42	0.3	2.27	1291.27	4/13/2017 12:02	2.27	0	1570.25	0	20.7	-0.498	0	0	63.73	0	0	0	0	191.79	17.143	8.187
J43	0.17	0.61	1337.61	4/13/2017 12:17	0.61	0	76.9	0	4.28	0	0	0	16.39	0	0	0	0	26.74	2.315	2.876
J44	6.35	12.67	1308.67	4/13/2017 13:30	12.67	68.86	8259.03	1.07	908	0.227	0.77	0.288	8.332	0	0	0	0	12.65	0.227	652.888
J45	1.54	7.08	1254.08	4/13/2017 15:38	7.08	36.73	1026.92	0.577	22.1	-0.686	0	0	10.92	0	0	0	0	118.64	19.182	8.656
J46	15.22	28.18	1253.43	4/13/2017 15:39	28.18	63.21	65678.67	0.625	12500	0.046	0	0	22.82	0	0	0	0	4043.09	317.678	16.245
J47	14.32	28.18	1247.72	4/13/2017 15:43	28.18	42.94	66179.16	0.331	12700	0.05	0	0	6.82	0	0	0	0	6267.81	379.747	10.559
J48	0.15	0.83	1325.83	4/13/2017 12:01	0.83	23.21	250.48	0.379	4.2	-0.349	0	0	13.17	0	0	0	0	31.58	0	7.932
J49	0.07	0.38	1320.06	4/13/2017 12:00	0.38	40.94	40.94	0.714	0.714	-2.161	0	0	9.62	0	0	0	0	4.72	0.099	8.674
J5	3.42	11.09	1281.1	4/13/2017 16:05	11.09	38.86	809.72	0.32	49.5	0.48	0	0	30.91	0	0	0	0	264.93	24.362	3.056
J55	0.36	4.22	1332.93	4/13/2017 12:06	4.22	0	107.61	0	1.7	0.697	0	0	18.78	0	0	0	0	11.64	1.097	9.245
J57	0.06	0.37	1326.28	4/13/2017 12:09	0.37	0	53.32	0	1.69	-1.429	0	0	11.63	0	0	0	0	11.64	1.097	4.581
J58	0.07	0.5	1315.73	4/13/2017 11:55	0.49	29.01	29.01	0.417	0.417	-1.493	0	0	21.5	0	0	0	0	2.71	0.339	10.705
J59	0.14	0.58	1327.13	4/13/2017 12:09	0.58	0	38.95	0	1.81	-0.047	0	0	20.42	0	0	0	0	10.81	1.784	3.603
J6	0.41	4.65	1384.65	4/13/2017 11:55	4.64	0	135.71	0	1.86	-0.262	0	0	9.35	0	0	0	0	12.26	1.413	11.069

Junctions SWMM 100-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J60	4.27	13.41	1254.08	4/13/2017 15:38	13.41	93.85	6648.11	1.72	172	0.502	0	0	12.59	0	0	0	0	129.67	21.599	51.269
J61	0.46	4.12	1333.12	4/13/2017 12:08	4.12	0	118.73	0	1.85	1.691	0	0	16.88	0	0	0	0	10.81	1.784	10.983
J62	0.52	3.34	1320.26	4/13/2017 12:51	3.34	0	53.27	0	1.71	-0.2	0	0	8.66	0	0	0	0	11.64	1.097	4.576
J63	0.1	0.29	1315.39	4/13/2017 12:53	0.29	0	20.1	0	1.71	-0.092	0	0	11.71	0	0	0	0	11.64	1.097	1.727
J65	0.13	0.5	1309.89	4/13/2017 12:12	0.5	0	84.19	0	3.83	-0.068	0	0	11.5	0	0	0	0	25.46	3.457	3.307
J66	0.6	3.01	1316.01	4/13/2017 12:10	3.01	101.37	413.55	1.78	8.02	-0.283	0	0	13.99	0	0	0	0	54.79	2.29	7.548
J68	0.02	0.3	1271.42	4/13/2017 12:00	0.3	83.44	83.44	1.27	1.27	-0.824	0	0	33.7	0	0	0	0	9.77	1.021	8.54
J69	0.13	0.99	1325.3	4/13/2017 12:01	0.99	42.81	264.65	0.915	8.46	-0.355	0	0	10.01	0	0	0	0	53.37	3.657	4.959
J7	0.12	0.5	1293.59	4/13/2017 11:58	0.5	25.73	67	0.315	0.888	-1.319	0	0	16.5	0	0	0	0	7.22	1.543	9.28
J70	10.98	22.06	1256.76	4/13/2017 15:34	22.06	0	65898.59	0	12500	0.072	0	0	18.94	0	0	0	0	3597.99	275.558	18.315
J71	0.05	0.58	1299.58	4/13/2017 12:06	0.58	0	234.51	0	4.57	-0.374	0	0	64.42	0	0	0	0	40.12	1.4	5.845
J725	3.39	9.38	1309.39	4/13/2017 13:30	9.38	67.15	8257.23	0.864	907	0.059	0	0	16.62	0	0	0	0	5.68	0	1453.738
J74	1.4	6.59	1254.59	4/13/2017 15:36	6.59	65.84	528.57	0.901	12.6	-0.135	0	0	12.41	0	0	0	0	193.25	13.502	2.735
J75	0.16	0.75	1322.25	4/13/2017 12:00	0.75	11.46	40.47	0.175	2.46	-0.316	0	0	6.25	0	0	0	0	24.3	1.614	1.665
J76	0.09	0.68	1254.5	4/13/2017 12:00	0.68	128.09	128.09	1.63	1.64	-1.345	0	0	24.32	0	0	0	0	15.09	1.539	8.488
J763	0.36	2.14	1322.63	4/13/2017 12:00	2.14	757.53	757.53	29.5	29.5	-0.11	0	0	20.86	0	0	0	0	349.87	12.194	2.165
J77	1.28	5.31	1305.31	4/13/2017 12:27	5.31	0	283.47	0	11.7	-0.167	0	0	13.69	0	0	0	0	77.13	4.449	3.675
J779	0.14	1.09	1355.13	4/13/2017 12:00	1.09	165.71	165.71	3.23	3.23	-0.023	0	0	36.91	0	0	0	0	20.88	1.241	7.936
J78	3.45	4.59	1318.59	4/13/2017 12:37	4.59	0	195.5	0	18.1	9.144	0	0	5.41	0	0	0	0	123.84	10.356	1.579
J785	0.49	3.91	1320.43	4/13/2017 12:10	3.91	0	742.83	0	29.5	0.115	0	0	19.09	0	0	0	0	349.87	12.194	2.123
J79	0.18	2.27	1294.27	4/13/2017 12:04	2.27	0	496.52	0	19.2	0.104	0	0	13.73	0	0	0	0	133.47	8.332	3.72
J797	0.09	0.81	1345.21	4/13/2017 12:00	0.81	0	165.36	0	3.23	-0.621	0	0	37.19	0	0	0	0	20.88	1.241	7.92
J8	0.06	0.72	1378	4/13/2017 11:56	0.72	0	128.77	0	1.87	-0.052	0	0	16.28	0	0	0	0	12.26	1.413	10.503
J801	0.04	0.39	1346.26	4/13/2017 11:58	0.39	60.22	60.22	0.957	0.957	-0.894	0	0	22.61	0	0	0	0	6.3	0.098	9.559
J805	0.05	0.34	1314.64	4/13/2017 12:00	0.34	55.38	55.38	1.28	1.28	-0.244	0	0	7.66	0	0	0	0	8.81	0	6.286
J81	0.58	2.13	1320.13	4/13/2017 12:04	2.13	89.25	755.88	1.53	24.8	-0.166	0	0	5.87	0	0	0	0	210.93	7.99	3.584
J810	0.93	5.06	1344.06	4/13/2017 12:17	5.06	62.08	169.55	1.01	4.26	-0.561	0	0	20.94	0	0	0	0	26.74	2.315	6.341
J814	0.5	4.42	1320.42	4/13/2017 12:11	4.42	0	605.7	0	29.5	-0.007	0	0	14.58	0	0	0	0	349.87	12.194	1.731
J816	0.75	2.99	1307.99	4/13/2017 12:42	2.99	1252.53	1719.09	36.7	55.4	3.766	0	0	22.01	0	0	0	0	1121.15	19.701	1.533
J819	0.13	1.18	1333.5	4/13/2017 11:56	1.18	0	107.84	0	1.72	-0.86	0	0	17.82	0	0	0	0	10.73	0.848	10.05
J828	0.29	3.06	1344.06	4/13/2017 12:16	3.06	0	164.78	0	3.25	0.304	0	0	22.94	0	0	0	0	20.88	1.241	7.892
J83	0.45	1.75	1320.75	4/13/2017 12:33	1.75	0	169.83	0	10.8	-5.148	0	0	9.25	0	0	0	0	67.92	5.397	2.5
J830	0.05	0.46	1337.18	4/13/2017 11:55	0.46	108.31	108.31	1.72	1.72	-0.055	0	0	18.54	0	0	0	0	10.73	0.848	10.094
J832	0.04	0.3	1317.3	4/13/2017 12:00	0.3	36.54	36.54	0.528	0.528	-3.09	0	0	15.7	0	0	0	0	4.29	0	8.517
J835	1.05	6.41	1320.41	4/13/2017 12:11	6.4	82.09	720.37	1.23	34.5	-0.005	0	0	11.59	0	0	0	0	381.42	14.371	1.889
J837	0.25	3.22	1320.41	4/13/2017 12:10	3.22	31.99	221.32	0.449	3.78	-0.274	0	0	15.78	0	0	0	0	23.81	1.649	9.295
J839	2.28	7.26	1308.17	4/13/2017 13:30	7.26	101.16	101.16	1.78	1.9	0.389	0	0	17.74	0	0	0	0	12	0	8.43
J84	0.05	0.66	1269.04	4/13/2017 12:00	0.66	97.6	97.6	1.28	1.28	-3.913	0	0	11.34	0	0	0	0	12.98	0.024	7.519
J842	0.54	3.14	1316.81	4/13/2017 12:27	3.14	0	714.06	0	34.5	-0.134	0	0	18.86	0	0	0	0	381.42	14.371	1.872
J844	0.1	0.76	1309.6	4/13/2017 12:00	0.76	112.5	112.5	2.04	2.04	-1.405	0	0	11.24	0	0	0	0	13.81	0	8.146
J848	0.66	2.64	1307.54	4/13/2017 12:44	2.64	52.51	936.31	0.835	54.3	-0.665	0	0	13.36	0	0	0	0	1127.09	19.704	0.831
J85	0.37	2.5	1307.5	4/13/2017 12:10	2.5	76.78	201.41	1.08	4.89	-0.456	0	0	13.5	0	0	0	0	30.38	2.581	6.63
J854	0.06	0.46	1312.94	4/13/2017 12:03	0.46	0	54.53	0	1.28	-2.347	0	0	9.54	0	0	0	0	8.81	0	6.19
J856	2.24	7.04	1308.01	4/13/2017 13:31	7.04	60.02	60.02	1.22	1.28	0.214	0	0	0.96	0	0	0	0	7.82	0.638	7.675
J860	0.86	2.57	1306.65	4/13/2017 12:49	2.57	47.85	47.85	0.742	0.84	6.546	0	0	7.43	0	0	0	0	7.28	0	6.573
J862	0.24	2.01	1319.01	4/13/2017 12:05	2.01	0	720.32	0	24.8	-0.009	0	0	7.99	0	0	0	0	210.93	7.99	3.415
J867	0.08	0.63	1332.78	4/13/2017 12:00	0.63	98.24	153.76	1.53	2.5	-0.725	0	0	22.37	0	0	0	0	16.16	0.491	9.515
J87	0.37	5.44	1290.44	4/13/2017 12:02	5.39	53.14	441.79	0.782	6.54	-0.042	0	0	20.56	0	0	0	0	45.91	6.038	9.623
J870	0.79	4.76	1316.76	4/13/2017 12:28	4.76	59.94	737.46	0.996	35.6	0.024	0	0	17.24	0	0	0	0	388.08	14.38	1.9
J873	0.02	0.55	1308.78	4/13/2017 12:00	0.55	69.58	69.58	0.773	0.773	-0.47	0	0	12.45	0	0	0	0	11.05	0.002	6.297
J875	0.03	0.34	1346.22	4/13/2017 11:58	0.34	56.55	56.55	0.841	0.841	-3.134	0	0	13.66	0	0	0	0	5.5	0.105	10.282
J877	0.11	0.86	1334.86	4/13/2017 12:00	0.86	135.34	135.34	1.73	1.73	-0.249	0	0	26.14	0	0	0	0	16.9	1.499	8.008
J879	0.12	0.85	1339.02	4/13/2017 11:55	0.85	222.52	222.52	3.72	3.72	-0.053	0	0	19.15	0	0	0	0	23.74	1.348	9.373
J88	1.49	4.92	1282.89	4/13/2017 12:08	4.92	144.32	1957.39	1.77	32.8	-0.164	0	0	65.08	0	0	0	0	301.92	22.833	6.483
J882	0.12	0.93	1328.93	4/13/2017 12:00	0.93	41.52	229.01	0.735	7.53	-0.174	0	0	16.07	0	0	0	0	47.46	3.25	4.825
J896	0.24	2.07	1308.07	4/13/2017 12:52	2.07	29.22	646.97	0.546	20.8	-0.323	0	0	9.93	0	0	0	0	166.63	6.317	3.883
J9	2.1	4.44	1258.71	4/13/2017 15:30	4.44	39.67	1125.92	0.543	23.1	3.353	0	0	10.56	0	0	0	0	61.67	3.56	18.257
J90	0.08	0.95	1299.88	4/13/2017 12:01	0.95	164.63	1572.44	2.06	20.6	-0.127	0	0	62.05	0	0	0	0	191.79	17.143	8.199
J900	0.27	1.36	1309.05	4/13/2017 12:30	1.36	42.23	631.96	0.763	37.7	-0.01	0	0	14.64	0	0	0	0	400.64	16.31	1.577

Junctions SWMM 100-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J906	2.82	7.59	1303.22	4/13/2017 13:31	7.59	0	8270.2	0	909	0.029	0	0	13.41	0	0	0	0	42.5	1.316	194.593
J910	0.93	2.65	1306.65	4/13/2017 12:45	2.65	61.45	102.68	0.867	1.37	14.097	0	0	11.35	0	0	0	0	7.82	0.952	13.13
J92	0.36	2.47	1283.77	4/13/2017 12:04	2.47	326.48	1989.22	4.09	30.9	-0.365	0	0	67.53	0	0	0	0	284.56	22.341	6.991
J921	0.07	0.47	1330.54	4/13/2017 12:00	0.47	81.82	81.82	1.36	1.36	-0.76	0	0	19.53	0	0	0	0	9.48	0.87	8.631
J925	0.16	1.46	1327.58	4/13/2017 11:57	1.46	66.21	268.07	0.991	4.39	-0.084	0	0	16.54	0	0	0	0	26.88	2.741	9.973
J927	0.45	1.99	1301.38	4/13/2017 12:52	1.99	38.68	1176.71	0.672	76.5	-0.112	0	0	16.01	0	0	0	0	1338.37	27.806	0.879
J93	0.18	1.26	1283.87	4/13/2017 12:02	1.24	0	340.86	0	6.54	-0.035	0	0	21.74	0	0	0	0	45.91	6.038	7.425
J931	0.12	0.84	1330.89	4/13/2017 11:56	0.84	31.9	209.61	0.491	3.39	-0.205	0	0	23.16	0	0	0	0	20.69	2.265	10.131
J935	0.26	1.91	1322.91	4/13/2017 12:00	1.9	445.67	445.67	14.7	14.7	-0.033	0	0	11.09	0	0	0	0	144.21	3.966	3.09
J937	0.07	0.74	1301.59	4/13/2017 12:00	0.74	37.79	84.05	0.779	1.69	-0.139	0	0	11.26	0	0	0	0	10.78	0.809	7.797
J94	0.01	0.14	1386.17	4/13/2017 12:01	0.14	60.44	60.44	0.622	0.622	-2.378	0	0	64.86	0	0	0	0	5.75	0.315	10.511
J946	3.22	7.67	1301.69	4/13/2017 13:31	7.67	65.49	8271.1	0.84	909	0.054	0	0	12.33	0	0	0	0	50.3	1.709	164.435
J950	0.07	0.77	1319.02	4/13/2017 11:57	0.76	98.91	360.37	1.39	5.78	-0.449	0	0	21.23	0	0	0	0	36.07	2.751	9.991
J953	0.23	1.24	1321.26	4/13/2017 12:02	1.24	0	434.22	0	14.8	-0.012	0	0	11.76	0	0	0	0	144.21	3.966	3.011
J955	0.13	0.88	1333.88	4/13/2017 12:00	0.88	44.36	262.9	0.779	4.5	-0.144	0	0	19.12	0	0	0	0	28.92	1.421	9.091
J959	0.09	0.79	1317.79	4/13/2017 12:00	0.79	53.94	188.54	1.06	2.79	-0.412	0	0	26.21	0	0	0	0	24.07	1.511	7.833
J96	0.68	6.11	1303.11	4/13/2017 12:00	6.11	0	708.22	0	17.4	-0.125	0	0	26.89	0	0	0	0	104.93	20.288	6.749
J964	0.08	0.6	1348.69	4/13/2017 11:55	0.6	180.9	180.9	2.89	2.89	-0.091	0	0	23.4	0	0	0	0	17.68	1.958	10.232
J968	0.05	0.5	1298.5	4/13/2017 12:00	0.5	77.67	77.67	1.29	1.29	-4.61	0	0	12.5	0	0	0	0	8.91	0.468	8.717
J97	0.03	0.29	1325.29	4/13/2017 12:00	0.29	17.25	17.25	0.285	0.285	-6.257	0	0	9.71	0	0	0	0	1.69	0.259	10.207
J971	0.05	0.41	1299.41	4/13/2017 11:59	0.41	79.48	79.48	1.65	1.65	-0.473	0	0	9.59	0	0	0	0	10.86	0.504	7.319
J973	0.12	1.22	1299.22	4/13/2017 12:00	1.22	67.01	149.3	1.22	2.92	-0.112	0	0	12.78	0	0	0	0	19.06	0.809	7.833
J975	0.08	0.7	1298.7	4/13/2017 12:01	0.7	111.42	111.42	1.73	1.73	0.603	0	0	13.3	0	0	0	0	17.06	0.002	6.531
J978	0.67	3.23	1303.23	4/13/2017 12:02	3.23	35.76	720.13	0.468	45.7	-0.118	0	0	49.77	0	0	0	0	451.09	19.458	1.596
J98	0.07	0.95	1312.12	4/13/2017 11:55	0.95	66.76	66.76	0.896	0.896	-0.469	0	0	23.05	0	0	0	0	8.29	0.146	8.053
J980	0.11	1.33	1296.48	4/13/2017 12:01	1.33	42.47	188.9	0.83	3.75	-0.247	0	0	16.67	0	0	0	0	24.71	0.809	7.645
J982	0.37	1.67	1311.23	4/13/2017 12:05	1.67	0	792.26	0	28.1	-0.021	0	0	19.33	0	0	0	0	241.71	9.782	3.278
J986	0.18	0.9	1325.9	4/13/2017 12:00	0.9	46.02	306.2	0.74	5.24	-0.59	0	0	13.1	0	0	0	0	33.66	1.659	9.097
J988	0.09	0.89	1302.89	4/13/2017 12:00	0.89	268.67	268.67	4.55	4.55	-0.524	0	0	12.11	0	0	0	0	56.03	1.558	4.795
J99	0.49	5.37	1364.37	4/13/2017 12:03	5.36	0	729.54	0	13.4	-0.142	0	0	17.63	0	0	0	0	86.23	7.185	8.46
J990	0.07	0.69	1303.69	4/13/2017 12:02	0.69	0	153.97	0	2.71	-0.409	0	0	18.31	0	0	0	0	18.35	0.87	8.391
J992	0.13	0.81	1325.81	4/13/2017 12:23	0.81	0	85.58	0	3.34	-1.251	0	0	24.19	0	0	0	0	20.48	2.44	4.179
J994	0.1	0.61	1319.61	4/13/2017 12:00	0.61	52.66	52.66	1.06	1.06	-0.607	0	0	13.39	0	0	0	0	6.37	1.005	8.267
J996	0.53	2.37	1294.6	4/13/2017 13:00	2.37	62.99	1175.27	1.27	80.1	0.036	0	0	17.63	0	0	0	0	1363.61	28.637	0.862
J998	0.08	0.41	1297.41	4/13/2017 12:05	0.41	0	80.97	0	1.66	-0.232	0	0	10.59	0	0	0	0	10.86	0.504	7.456
M10042417	0.12	0.61	1277.61	4/13/2017 12:00	0.6	76.52	76.52	2.05	2.05	-0.263	0	0	7.39	0	0	0	0	12.83	2.164	5.964
M1042417	0.05	0.42	1288.42	4/13/2017 12:00	0.42	79.93	79.93	1.6	1.6	-0.645	0	0	22.58	0	0	0	0	10.81	0.103	7.394
M11042417	0.14	0.99	1258.99	4/13/2017 12:28	0.99	178.06	178.06	3.52	3.52	-0.195	0	0	8.01	0	0	0	0	22.33	2.527	7.974
M12042417	1.56	5.85	1258.85	4/13/2017 12:29	5.85	66.01	2421.76	0.831	175	0.081	0	0	17.15	0	0	0	0	2043.21	57.208	1.185
M13042417	0.06	0.51	1267.04	4/13/2017 12:00	0.51	112.31	112.31	1.68	1.68	-0.808	0	0	9.49	0	0	0	0	14.39	0.714	7.805
M14042417	0.09	0.68	1283.68	4/13/2017 12:00	0.67	74.15	74.15	1.37	1.37	-0.347	0	0	10.32	0	0	0	0	9.24	0	8.025
M15042417	0.04	0.23	1320.32	4/13/2017 12:02	0.23	25.66	25.66	0.387	0.387	-7.027	0	0	14.77	0	0	0	0	2.5	0.116	10.264
M16042417	0.1	0.47	1296.58	4/13/2017 12:08	0.47	74.86	90.07	1.55	1.96	-0.945	0	0	14.53	0	0	0	0	16.07	0.368	5.605
M18042417	1.16	4.79	1255.79	4/13/2017 12:30	4.79	24.22	2437.26	0.35	176	0.017	0	0	14.21	0	0	0	0	2058.64	57.444	1.184
M19042417	1.45	4.07	1253.89	4/13/2017 12:31	4.06	180.57	2461.15	2.58	179	-0.021	0	0	15.93	0	0	0	0	2079.64	58.53	1.183
M20042417	0.73	2.81	1251.32	4/13/2017 12:32	2.81	131.74	2482.45	1.92	181	-0.009	0	0	19.19	0	0	0	0	2097.12	59.175	1.184
M2042417	0.26	1.61	1283.78	4/13/2017 12:16	1.61	0	547.02	0	19.7	-0.01	0	0	26.39	0	0	0	0	160.06	5.898	3.418
M21042417	1.11	4.46	1251.24	4/13/2017 12:32	4.46	115.82	2497.83	1.84	183	-0.027	0	0	22.54	0	0	0	0	2110.74	59.649	1.183
M22042417	1.4	5.31	1249.19	4/13/2017 15:42	5.31	26.26	2498.94	0.263	183	0.004	0	0	21.69	0	0	0	0	2113.44	59.649	1.182
M23042417	1.62	6.18	1249.18	4/13/2017 15:41	6.18	58.57	2504.4	0.693	184	-0.007	0	0	11.82	0	0	0	0	2120.77	59.803	1.181
M24042417	1.87	6.93	1249.18	4/13/2017 15:42	6.93	48.7	2507.09	0.588	184	-0.006	0	0	7.07	0	0	0	0	2126.76	60.27	1.179
M25042417	1.92	7.18	1249.18	4/13/2017 15:42	7.18	23.24	2509.23	0.297	185	-0.01	0	0	6.82	0	0	0	0	2130.18	60.328	1.178
M26042417	1.89	7.46	1249.17	4/13/2017 15:42	7.46	23.56	2510.61	0.29	185	-0.01	0	0	7.54	0	0	0	0	2133.03	60.405	1.177
M27042417	2.52	9.17	1249.17	4/13/2017 15:42	9.17	78.16	2523.96	1.16	186	-0.002	0	0	5.83	0	0	0	0	2144.74	60.943	1.177
M28042417	2.41	9.19	1249.17	4/13/2017 15:42	9.19	40.4	2531.77	0.616	187	-0.033	0	0	8.81	0	0	0	0	2151.6	61.133	1.177
M29042417	2.18	9.48	1249.17	4/13/2017 15:43	9.48	42.48	2545.38	0.856	188	-0.036	0	0	8.52	0	0	0	0	2161.03	61.437	1.178
M30042417	3.63	13.17	1249.17	4/13/2017 15:42	13.17	73.24	2547.24	0.661	190	0.039	0	0	18.83	0	0	0	0	2170.36	61.761	1.174
M3042417	0.41	1.97	1283.33	4/13/2017 12:16	1.97	64.26	562.47	1.05	20.7	-0.017	0	0	26.03	0	0	0	0	166.78	6.222	3.373
M31042417	12.4	26.28	1249.28	4/13/2017 15:42	26.28	2.68	65653.91	0.014	12500	0.05	0	0	21.72	0	0	0	0	4077.31	317.986	16.102

Junctions SWMM 100-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
M32042417	14.04	28.17	1249.17	4/13/2017 15:43	28.17	0	66193.28	0	12700	0.102	0	0	6.83	0	0	0	0	6258.68	379.747	10.576
M40042417	0.18	1.2	1285.2	4/13/2017 12:15	1.2	215.22	548.11	5.94	19.7	-0.032	0	0	6.8	0	0	0	0	160.06	5.898	3.424
M4042417	0.58	2.16	1281.16	4/13/2017 12:16	2.16	81.66	592.78	1.65	22.4	-0.035	0	0	12.84	0	0	0	0	177.14	7.223	3.346
M41042417	0.81	3.97	1258.97	4/13/2017 12:29	3.97	81.77	2397.32	1.39	172	-0.002	0	0	15.03	0	0	0	0	2022.3	56.056	1.185
M5042417	0.29	2.02	1280.02	4/13/2017 12:17	2.02	0	592.31	0	22.4	-0.022	0	0	9.98	0	0	0	0	177.14	7.223	3.344
M6042417	0.27	1.02	1279.3	4/13/2017 12:00	1.02	121.38	121.38	2.35	2.35	-0.203	0	0	19.98	0	0	0	0	15.03	1.063	8.076
M7042417	0.07	0.79	1278.79	4/13/2017 12:00	0.79	71.08	189.99	1.26	3.61	-0.349	0	0	20.21	0	0	0	0	23.14	1.461	8.21
M8042417	0.71	2.22	1275.22	4/13/2017 12:01	2.22	56.86	312.66	1.29	6.97	-0.316	0	0	8.78	0	0	0	0	44.12	4.437	7.087
M9042417	0.97	3.38	1261.33	4/13/2017 12:26	3.38	0	2338.74	0	167	0	0	0	16.62	0	0	0	0	1990.45	52.764	1.175
MAS1	0.08	0.88	1337.88	4/13/2017 11:55	0.87	128.3	128.3	1.41	1.41	-0.105	0	0	15.12	0	0	0	0	13.51	1.295	9.497
MAS10	0.34	2.43	1306.44	4/13/2017 12:01	2.43	53.95	1445.09	0.726	18.5	-0.239	0	0	60.57	0	0	0	0	173.2	15.616	8.343
MAS100	0.55	3.5	1284.52	4/13/2017 12:05	3.5	145.15	2758.11	1.75	52.6	-0.13	0	0	52.5	0	0	0	0	351.02	38.361	7.857
MAS101	0.09	0.86	1377.12	4/13/2017 12:00	0.86	157.03	326.64	2	4.35	-0.154	0	0	49.14	0	0	0	0	38.47	4.111	8.491
MAS102	0.1	1.11	1347.8	4/13/2017 11:56	1.11	0	324.56	0	5.11	-0.162	0	0	34.89	0	0	0	0	31.66	2.788	10.251
MAS103	0.06	0.91	1284.91	4/13/2017 12:00	0.91	128.41	346.43	1.64	4.36	-0.098	0	0	13.09	0	0	0	0	42.11	1.464	8.227
MAS104	0.09	1.06	1375.84	4/13/2017 11:55	1.06	134.97	222.77	1.65	2.82	-0.195	0	0	50.94	0	0	0	0	20.64	2.269	10.793
MAS105	0.31	3.04	1305.84	4/13/2017 12:01	3.04	89.54	2220.35	1.28	40.4	-0.024	0	0	25.96	0	0	0	0	262.58	28.264	8.456
MAS106	0.4	3.57	1314.57	4/13/2017 12:02	3.57	31.17	1543.7	0.26	29.2	-0.005	0	0	16.43	0	0	0	0	266.58	23.157	5.791
MAS107	0.19	1.87	1336.87	4/13/2017 11:57	1.87	152.43	654.49	2.03	10.2	-0.187	0	0	26.13	0	0	0	0	64.43	4.211	10.158
MAS108	0.14	1.68	1365.68	4/13/2017 11:56	1.68	0	447.78	0	5.78	-0.078	0	0	37.32	0	0	0	0	51.77	5.179	8.649
MAS109	0.16	0.93	1379.19	4/13/2017 11:55	0.93	41.94	245.31	0.486	3.1	-0.091	0	0	18.07	0	0	0	0	28.04	3.579	8.749
MAS11	0.12	0.91	1397.01	4/13/2017 11:55	0.91	206.19	206.19	2.61	2.61	-0.01	0	0	15.09	0	0	0	0	22.96	3.226	8.98
MAS110	0.2	1.29	1356.07	4/13/2017 11:57	1.29	83.45	214.75	0.916	5.57	-0.121	0	0	23.71	0	0	0	0	49.76	4.039	4.316
MAS111	0.22	2.46	1321.46	4/13/2017 12:00	2.46	0	1223.75	0	15.1	0.018	0	0	34.54	0	0	0	0	143.58	11.415	8.523
MAS112	0.08	0.79	1330.55	4/13/2017 12:00	0.79	0	368.56	0	5.25	-0.134	0	0	22.21	0	0	0	0	46.78	2.133	7.879
MAS113	0.21	1.57	1326.69	4/13/2017 11:58	1.57	90.15	825.69	1.28	13.3	-0.21	0	0	21.43	0	0	0	0	82.04	6.94	10.064
MAS114	0.37	1.91	1341.43	4/13/2017 11:58	1.91	69.04	926.37	0.819	11.5	-0.261	0	0	30.09	0	0	0	0	108.44	8.975	8.543
MAS115	0.25	1.36	1345.36	4/13/2017 12:00	1.36	0	520.68	0	14.8	0	0	0	25.64	0	0	0	0	101.08	11.965	5.151
MAS116	0.05	0.69	1339.69	4/13/2017 11:55	0.69	135.43	350.77	1.82	7.34	-0.266	0	0	23.31	0	0	0	0	54.61	4.482	6.423
MAS118	0.28	0.85	1360.85	4/13/2017 12:00	0.85	0	147	0	8.48	0.23	0	0	24.15	0	0	0	0	61.33	6.808	2.397
MAS119	0.45	2.6	1334.6	4/13/2017 12:01	2.6	71.02	851.84	0.987	20.9	-0.036	0	0	23.4	0	0	0	0	137.84	16.696	6.18
MAS12	0.2	1.4	1370.4	4/13/2017 11:55	1.4	134.72	448.71	1.41	5.77	-0.039	0	0	8.6	0	0	0	0	51.77	5.179	8.667
MAS120	0.19	1.97	1302.97	4/13/2017 12:02	1.97	19.7	2378.86	0.309	43.9	-0.038	0	0	31.03	0	0	0	0	286.63	32.198	8.299
MAS122	0.65	3.54	1288.54	4/13/2017 12:11	3.54	108.4	1433.77	1.34	39.9	0.028	0	0	19.46	0	0	0	0	363.16	27.125	3.948
MAS123	0.24	3.08	1314.08	4/13/2017 12:00	3.08	114.77	1608.1	1.77	27.2	-0.047	0	0	21.92	0	0	0	0	169.92	19.398	9.464
MAS124	0.44	2.85	1356.85	4/13/2017 12:02	2.85	58.75	284.21	0.658	6.04	-0.26	0	0	6.15	0	0	0	0	57.85	5.703	4.913
MAS125	0.27	2.82	1318.87	4/13/2017 12:00	2.82	50.99	1192.99	0.671	19.8	-0.049	0	0	20.18	0	0	0	0	124.81	10.642	9.558
MAS126	0.28	3.33	1308.33	4/13/2017 12:01	3.33	0	2099.35	0	37.7	-0.067	0	0	22.67	0	0	0	0	245.55	26.232	8.55
MAS128	0.58	4.09	1285.09	4/13/2017 12:13	4.09	105.88	1726.74	1.04	49.9	-0.05	0	0	21.91	0	0	0	0	451.66	30.671	3.823
MAS129	0.46	4.22	1308.34	4/13/2017 12:00	4.22	0	1398.44	0	17.8	-0.038	0	0	7.78	0	0	0	0	166.62	14.97	8.393
MAS13	0.12	0.71	1379.61	4/13/2017 11:55	0.71	132.92	132.92	1.78	1.78	-0.007	0	0	13.29	0	0	0	0	16.41	1.442	8.1
MAS132	0.59	3.44	1282.44	4/13/2017 12:14	3.43	24.41	1691.67	0.322	52.2	-0.114	0	0	30.56	0	0	0	0	471.43	32.105	3.588
MAS133	0.08	0.68	1337.68	4/13/2017 11:55	0.67	0	164.3	0	1.92	-0.205	0	0	20.32	0	0	0	0	17.88	0.594	9.189
MAS134	0.43	3.77	1371.48	4/13/2017 12:05	3.77	86.84	223.21	0.978	2.86	1.179	0	0	22.23	0	0	0	0	23.9	1.737	9.339
MAS135	0.96	5.8	1370.8	4/13/2017 12:22	5.79	27.7	202.62	0.289	3.71	-0.222	0	0	6.2	0	0	0	0	29.58	2.195	6.85
MAS1359	0.23	1.51	1326.51	4/13/2017 12:04	1.51	18.11	57.68	0.294	1.47	-0.255	0	0	7.49	0	0	0	0	12.31	0.763	4.686
MAS136	0.08	0.47	1365.15	4/13/2017 12:24	0.47	0	60.28	0	3.4	0.015	0	0	11.53	0	0	0	0	29.58	2.195	2.038
MAS137	0.48	6.95	1355.95	4/13/2017 12:10	6.94	51.84	298.78	0.631	3.74	2.31	0	0	23.05	0	0	0	0	28.26	1.431	10.573
MAS138	0.1	0.76	1345.74	4/13/2017 12:21	0.76	0	87.02	0	3.65	-0.014	0	0	24.24	0	0	0	0	28.26	1.431	3.079
MAS14	0.08	1.08	1357.08	4/13/2017 11:55	1.08	29.89	132.08	0.476	2.16	-0.026	0	0	41.92	0	0	0	0	12.98	1.777	10.176
MAS141	0.18	2.43	1329.74	4/13/2017 11:59	2.43	0	1027.71	0	12.8	-0.001	0	0	56.57	0	0	0	0	121.03	9.858	8.491
MAS142	0.24	2.8	1369.8	4/13/2017 11:55	2.8	0	172.71	0	2.13	-0.055	0	0	8.2	0	0	0	0	18.97	1.818	9.104
MAS143	0.51	4.67	1370.8	4/13/2017 12:22	4.67	26.01	155.86	0.282	3.42	-0.03	0	0	7.33	0	0	0	0	27.07	1.87	5.758
MAS144	0.11	1.37	1315.17	4/13/2017 12:00	1.37	0	247.63	0	4.37	-0.031	0	0	12.63	0	0	0	0	26.52	5.878	9.337
MAS145	0.19	2.46	1318.46	4/13/2017 12:00	2.46	0	286.64	0	4.38	0.251	0	0	10.54	0	0	0	0	26.52	5.878	10.808
MAS147	0.16	0.94	1334.84	4/13/2017 11:57	0.94	0	316.3	0	6.71	-0.107	0	0	34.06	0	0	0	0	61.59	4.767	5.136
MAS148	0.13	0.88	1350.88	4/13/2017 11:56	0.88	0	213.59	0	2.68	-0.328	0	0	45.12	0	0	0	0	23.46	2.514	9.104
MAS150	0.09	0.59	1368.64	4/13/2017 11:56	0.59	30.84	193.84	0.326	2.43	-0.071	0	0	66.41	0	0	0	0	22.38	2.873	8.661
MAS151	0.06	0.74	1365.4	4/13/2017 11:56	0.74	0	191.54	0	2.43	-0.116	0	0	30.26	0	0	0	0	22.38	2.873	8.559

Junctions SWMM 100-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
MAS152	0.48	4.38	1374.06	4/13/2017 12:11	4.38	60.33	296.84	0.655	3.84	1.911	0	0	10.62	0	0	0	0	34.93	4.14	8.498
MAS153	0.1	0.95	1368.95	4/13/2017 12:01	0.95	0	227.54	0	5.37	-0.098	0	0	14.05	0	0	0	0	50.29	5.349	4.525
MAS157	0.1	0.85	1374.93	4/13/2017 11:57	0.85	0	244.89	0	3.1	-2.763	0	0	14.15	0	0	0	0	28.04	3.579	8.734
MAS159	0.12	1.2	1377.03	4/13/2017 11:57	1.2	0	139.19	0	1.59	-0.111	0	0	9.8	0	0	0	0	15.36	1.209	9.062
MAS166	0.06	0.86	1390.59	4/13/2017 11:55	0.86	0	205.76	0	2.61	-0.023	0	0	18.14	0	0	0	0	22.96	3.226	8.962
MAS167	0.07	0.42	1353.16	4/13/2017 11:55	0.42	58.03	58.03	0.793	0.793	-0.847	0	0	12.58	0	0	0	0	6.24	0.645	9.3
MAS168	0.29	2.04	1330.85	4/13/2017 11:59	2.04	49.25	493.8	0.701	9.7	0.03	0	0	19.96	0	0	0	0	70.57	6.55	6.997
MAS169	0.07	0.69	1367.23	4/13/2017 11:55	0.69	152.5	152.5	1.86	1.86	-0.073	0	0	29.31	0	0	0	0	14.24	1.731	10.709
MAS17	0.04	0.63	1370.26	4/13/2017 11:55	0.63	173.31	173.31	2.13	2.13	-0.018	0	0	10.37	0	0	0	0	18.97	1.818	9.136
MAS170	0.04	0.65	1360.15	4/13/2017 11:55	0.65	102.44	102.44	1.69	1.69	-0.004	0	0	24.35	0	0	0	0	10.33	1.147	9.917
MAS171	0.2	1.22	1351.52	4/13/2017 12:00	1.22	0	242.31	0	4.82	-0.299	0	0	29.78	0	0	0	0	80.23	8.576	3.02
MAS175	0.05	0.89	1354.89	4/13/2017 12:02	0.89	31.04	226.06	0.279	3.95	-0.728	0	0	80.11	0	0	0	0	60.86	5.884	3.714
MAS176	0.12	0.61	1376.32	4/13/2017 11:55	0.61	33.2	125.15	0.514	2.21	-0.347	0	0	24.39	0	0	0	0	13.86	1.142	9.03
MAS177	0.45	4.63	1375.63	4/13/2017 11:55	4.63	0	149.49	0	2.29	0.016	0	0	13.37	0	0	0	0	14	1.461	10.678
MAS178	0.07	0.64	1368.84	4/13/2017 11:55	0.64	0	149.29	0	2.29	-0.21	0	0	17.36	0	0	0	0	14	1.461	10.664
MAS179	0.08	0.84	1360.75	4/13/2017 12:00	0.84	0	275.13	0	4.63	-0.058	0	0	16.16	0	0	0	0	29.04	4.497	9.474
MAS18	0.11	1.45	1351.49	4/13/2017 11:57	1.45	109.32	549.3	1.05	6.83	-0.113	0	0	37.55	0	0	0	0	63.16	5.486	8.697
MAS180	0.69	4.83	1368.83	4/13/2017 12:00	4.83	103.71	275.26	1.54	4.63	0.038	0	0	12.17	0	0	0	0	29.04	4.497	9.479
MAS181	0.17	0.94	1342.77	4/13/2017 11:55	0.94	118.43	291.86	1.75	4.36	-0.314	0	0	48.06	0	0	0	0	26.52	5.878	11.005
MAS182	0.1	0.75	1352.03	4/13/2017 11:55	0.75	0	151.19	0	1.86	-0.319	0	0	29.25	0	0	0	0	14.24	1.731	10.617
MAS183	0.03	0.62	1341.62	4/13/2017 12:00	0.62	59.83	266.35	0.628	3.68	-0.078	0	0	18.38	0	0	0	0	33.8	0.667	7.88
MAS184	0.12	1.17	1346.17	4/13/2017 11:56	1.17	117.81	316.52	1.13	6.7	-0.108	0	0	33.83	0	0	0	0	61.59	4.767	5.139
MAS185	0.38	2.53	1309.53	4/13/2017 12:03	2.52	59	1675.62	0.603	31.5	-0.672	0	0	20.47	0	0	0	0	287.83	24.269	5.822
MAS19	0.04	0.56	1375.56	4/13/2017 11:55	0.56	166.65	166.65	2.1	2.1	-0.033	0	0	66.44	0	0	0	0	18.71	2.698	8.907
MAS2	1.13	4.43	1338.43	4/13/2017 11:58	4.43	74.86	994.79	0.801	12.4	-0.562	0	0	27.57	0	0	0	0	117.17	9.563	8.49
MAS20	0.1	0.88	1387.28	4/13/2017 11:55	0.88	189.41	189.41	2.8	2.8	-0.046	0	0	21.12	0	0	0	0	17.91	3.02	10.576
MAS21	0.06	0.68	1372.37	4/13/2017 11:58	0.68	0	136.81	0	1.59	-0.575	0	0	14.32	0	0	0	0	15.36	1.209	8.907
MAS22	0.02	0.38	1402.04	4/13/2017 12:00	0.38	45.12	45.12	0.566	0.566	-0.961	0	0	70.62	0	0	0	0	5.59	0.245	8.072
MAS23	0.22	1.33	1351.37	4/13/2017 11:55	1.32	165.49	326.23	2.43	5.11	-0.131	0	0	35.67	0	0	0	0	31.66	2.788	10.304
MAS24	0.09	1.42	1364.94	4/13/2017 11:55	1.41	42.65	214.08	0.551	2.68	-0.071	0	0	44.58	0	0	0	0	23.46	2.514	9.125
MAS26	0.03	0.39	1408.61	4/13/2017 11:55	0.39	75.34	75.34	0.934	0.934	-0.08	0	0	11.61	0	0	0	0	7.95	0.98	9.477
MAS27	0.1	0.76	1397.42	4/13/2017 11:55	0.76	67.96	142.46	0.653	1.59	-0.316	0	0	11.24	0	0	0	0	15.36	1.209	9.275
MAS29	0.17	0.93	1346.49	4/13/2017 12:00	0.93	0	184.88	0	3.25	0.003	0	0	9.07	0	0	0	0	22.67	1.802	8.155
MAS3	0.12	0.95	1327.49	4/13/2017 11:56	0.95	39.15	165.51	0.372	1.78	-1.458	0	0	24.05	0	0	0	0	17.35	1.509	9.539
MAS30	0.08	0.67	1391.88	4/13/2017 12:00	0.67	93.63	93.63	1.69	1.69	-0.017	0	0	10.33	0	0	0	0	10.67	0.866	8.775
MAS31	0.06	0.77	1379.77	4/13/2017 11:55	0.76	100.99	288.61	1.34	4.14	-0.246	0	0	21.23	0	0	0	0	26.51	3.59	10.887
MAS32	0.12	1.3	1330.61	4/13/2017 12:00	1.3	41.9	332.27	0.73	5.84	-0.095	0	0	23.7	0	0	0	0	38.49	3.539	8.633
MAS33	0.03	0.74	1361.74	4/13/2017 11:55	0.74	103.9	103.9	1.07	1.07	-0.052	0	0	24.26	0	0	0	0	10.2	0.131	10.186
MAS34	0.1	0.76	1374.76	4/13/2017 11:55	0.76	142.34	142.34	1.83	1.83	-2.527	0	0	25.24	0	0	0	0	14.99	0.879	9.496
MAS35	0.14	1.25	1363.35	4/13/2017 11:55	1.25	196.1	196.1	3.09	3.09	-0.137	0	0	30.75	0	0	0	0	19.6	1.215	10.005
MAS36	0.06	0.38	1375.35	4/13/2017 12:00	0.38	81.24	81.24	1.33	1.33	-0.073	0	0	10.62	0	0	0	0	10.31	1.137	7.88
MAS37	0.24	2.94	1342.5	4/13/2017 11:55	2.93	164.15	164.15	1.92	1.92	-0.024	0	0	18.06	0	0	0	0	17.88	0.594	9.181
MAS38	0.18	0.87	1358.59	4/13/2017 12:00	0.87	80.12	161	1.5	2.83	-0.282	0	0	15.13	0	0	0	0	19.96	1.713	8.066
MAS39	2.56	7.1	1378.03	4/13/2017 13:02	7.1	27.71	790.8	0.429	14.2	0.681	0	0	21.9	0	0	0	0	35.09	4.454	22.536
MAS4	0.13	1.93	1344.93	4/13/2017 11:57	1.93	114.19	654.16	1.17	8.01	-0.067	0	0	29.07	0	0	0	0	75.29	6.225	8.689
MAS40	0.1	1.05	1337.44	4/13/2017 12:00	1.05	119.03	293.18	1.86	5.11	-0.075	0	0	23.95	0	0	0	0	34.2	2.81	8.573
MAS41	0.05	0.44	1346.11	4/13/2017 11:55	0.43	107.23	107.23	1.71	1.71	-0.142	0	0	11.56	0	0	0	0	9.78	1.979	10.964
MAS43	0.03	0.75	1353.81	4/13/2017 11:55	0.75	108.09	211.32	1.12	2.19	-0.062	0	0	30.25	0	0	0	0	20.92	0.34	10.101
MAS44	0.07	0.67	1383.08	4/13/2017 12:00	0.67	0	93.56	0	1.69	-0.054	0	0	14.33	0	0	0	0	10.67	0.866	8.769
MAS45	0.07	1.23	1347.25	4/13/2017 11:55	1.23	32.77	243.32	0.382	2.57	-0.687	0	0	29.77	0	0	0	0	24.59	0.4	9.895
MAS46	0.16	0.77	1341.62	4/13/2017 12:00	0.77	0	423.71	0	10.4	-0.014	0	0	13.23	0	0	0	0	97.57	10.384	4.343
MAS47	0.04	0.38	1402.76	4/13/2017 11:55	0.38	76.13	76.13	1.2	1.2	-0.055	0	0	19.62	0	0	0	0	7.08	1.815	10.753
MAS49	0.05	0.5	1396.5	4/13/2017 11:55	0.5	33.82	109.46	0.496	1.7	-0.502	0	0	23.5	0	0	0	0	10.27	2.434	10.658
MAS5	0.43	4.19	1313.19	4/13/2017 12:00	4.19	82.11	1347.48	1.07	16.9	-0.043	0	0	37.81	0	0	0	0	159.9	13.783	8.427
MAS51	0.48	4.65	1395.21	4/13/2017 11:58	4.65	18.52	125.77	0.277	1.99	-0.196	0	0	19.35	0	0	0	0	11.76	2.888	10.695
MAS52	0.11	0.78	1377.82	4/13/2017 11:55	0.77	116.93	116.93	1.24	1.24	-0.508	0	0	11.22	0	0	0	0	11.51	1.042	10.159
MAS54	0.09	0.72	1387.68	4/13/2017 11:58	0.72	20.49	133.03	0.32	2.31	-0.027	0	0	15.28	0	0	0	0	13.51	3.348	9.847
MAS55	0.05	0.47	1341.08	4/13/2017 11:55	0.47	88.39	88.39	1.23	1.23	-0.678	0	0	10.53	0	0	0	0	8.33	1.033	10.611
MAS56	1.04	2.82	1333.82	4/13/2017 12:00	2.82	104.46	369.39	1.54	5.22	-0.46	0	0	16.18	0	0	0	0	46.78	2.133	7.896

Junctions SWMM 100-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
MAS57	0.19	1.15	1347.19	4/13/2017 12:00	1.15	124.31	249.42	1.7	10.2	-0.074	0	0	22.85	0	0	0	0	72.04	7.467	3.462
MAS58	0.23	1.93	1320.09	4/13/2017 12:00	1.92	64.01	424.68	0.853	6.11	-0.164	0	0	21.07	0	0	0	0	53.4	3.245	7.953
MAS59	0.08	0.81	1358.92	4/13/2017 11:55	0.81	175.14	175.14	2.61	2.61	-0.017	0	0	48.19	0	0	0	0	15.74	3.714	11.127
MAS6	0.22	3.52	1314.89	4/13/2017 12:00	3.52	76.23	1283.27	0.775	15.9	-0.026	0	0	38.48	0	0	0	0	151.8	11.61	8.454
MAS61	0.34	1.42	1343.44	4/13/2017 12:00	1.42	153.17	637.34	2.2	17	-0.024	0	0	25.58	0	0	0	0	114.1	13.921	5.586
MAS62	0.08	0.79	1379.23	4/13/2017 11:55	0.79	150.58	150.58	2.29	2.29	-0.167	0	0	17.21	0	0	0	0	14	1.461	10.756
MAS63	0.16	1.36	1324.85	4/13/2017 12:00	1.36	111.1	268.61	1.26	3.19	-8.442	0	0	10.64	0	0	0	0	32.35	0.897	8.303
MAS64	0.21	1.45	1351.9	4/13/2017 11:56	1.45	186.94	404.78	1.77	4.59	-1.942	0	0	47.55	0	0	0	0	38.99	3.296	10.382
MAS66	0.04	0.5	1308.56	4/13/2017 12:00	0.5	83.44	83.44	1.37	1.37	-1.175	0	0	20.5	0	0	0	0	9.26	1.126	9.011
MAS67	0.27	3.02	1310.1	4/13/2017 12:01	3.02	55.47	1633.66	0.799	28	-0.042	0	0	21.98	0	0	0	0	174.98	19.682	9.336
MAS68	0.66	5.97	1336.97	4/13/2017 11:56	5.97	46.91	391.29	0.835	8.19	-0.073	0	0	18.03	0	0	0	0	59.69	5.597	6.555
MAS69	0.13	1.19	1308.32	4/13/2017 12:00	1.19	98.25	504.87	1.12	7.23	-0.181	0	0	18.81	0	0	0	0	62.6	3.475	8.065
MAS7	0.13	1.69	1334.56	4/13/2017 11:59	1.69	34.52	1027.78	0.376	12.8	-0.043	0	0	57.31	0	0	0	0	121.03	9.858	8.492
MAS71	0.15	0.82	1340.82	4/13/2017 11:56	0.81	37.04	183.41	0.639	2.93	-0.256	0	0	17.18	0	0	0	0	17.86	1.982	10.269
MAS73	0.43	3.65	1313.65	4/13/2017 12:01	3.65	148.13	1633.74	1.64	30.8	-0.025	0	0	19.35	0	0	0	0	280.94	24.018	5.815
MAS74	0.08	0.53	1304.59	4/13/2017 12:00	0.53	143.68	143.68	1.91	1.91	-0.737	0	0	15.47	0	0	0	0	17.43	1.279	8.243
MAS75	0.14	1.65	1304.38	4/13/2017 12:00	1.64	48.56	182.5	0.681	3.15	-0.099	0	0	9.35	0	0	0	0	22.36	3.45	8.162
MAS76	0.14	1.23	1296.23	4/13/2017 12:00	1.23	135.08	633.28	1.64	8.89	-1	0	0	24.77	0	0	0	0	78.48	3.522	8.069
MAS77	0.56	3.3	1296.44	4/13/2017 12:10	3.3	62.16	1400.37	0.766	38.5	-0.084	0	0	11.7	0	0	0	0	349.84	26.88	4.003
MAS79	0.09	1.37	1384.37	4/13/2017 11:56	1.37	81.83	261.55	0.826	3.01	-3.136	0	0	31.63	0	0	0	0	23.09	1.229	11.327
MAS8	0.25	3.73	1310.73	4/13/2017 12:00	3.73	33.55	1371.42	0.402	17.3	-0.032	0	0	36.27	0	0	0	0	163.21	14.185	8.403
MAS81	0.07	0.8	1386.8	4/13/2017 11:55	0.8	88.68	88.68	1.16	1.16	-0.081	0	0	51.2	0	0	0	0	8.11	1.078	10.935
MAS82	0.05	0.63	1332.63	4/13/2017 11:55	0.63	150.06	150.06	1.94	1.94	-0.075	0	0	26.37	0	0	0	0	14.62	2.281	10.264
MAS83	0.09	1.15	1315.19	4/13/2017 11:56	1.15	35.96	183.83	0.525	2.46	-0.522	0	0	25.85	0	0	0	0	17.65	2.83	10.415
MAS84	0.06	0.81	1397.81	4/13/2017 11:55	0.81	181.49	181.49	2.18	2.18	-0.088	0	0	32.19	0	0	0	0	15.81	1.102	11.479
MAS85	0.09	0.77	1309.77	4/13/2017 11:55	0.77	123.73	123.73	1.52	1.52	-0.138	0	0	13.23	0	0	0	0	14.5	0.811	8.533
MAS86	0.26	2.33	1300.34	4/13/2017 12:02	2.33	86.06	2427.47	1.31	45.2	-0.065	0	0	39.67	0	0	0	0	294.59	33.778	8.24
MAS87	0.16	2.04	1299.42	4/13/2017 12:02	2.04	43.79	2455.62	0.616	45.8	-0.038	0	0	39.96	0	0	0	0	299.27	34.269	8.205
MAS88	0.26	2.74	1298.07	4/13/2017 12:02	2.74	125.14	2555.29	1.58	47.9	-0.075	0	0	35.26	0	0	0	0	315.21	35.445	8.107
MAS89	0.1	1.08	1294.08	4/13/2017 11:56	1.08	99.94	220.66	1.19	2.71	-0.162	0	0	12.92	0	0	0	0	26.14	1.05	8.441
MAS9	0.16	2.18	1326.18	4/13/2017 12:00	2.18	48.45	1073.04	0.459	13.3	-0.111	0	0	29.82	0	0	0	0	126.23	9.905	8.501
MAS90	0.31	2.33	1279.42	4/13/2017 12:14	2.33	108.04	1694.71	1.19	53.4	-0.048	0	0	31.67	0	0	0	0	481.42	32.26	3.52
MAS91	0.48	3.58	1294.72	4/13/2017 12:03	3.58	140.99	2616.84	1.87	49.8	-0.082	0	0	37.42	0	0	0	0	328.2	37.485	7.973
MAS92	0.64	2.71	1276.71	4/13/2017 12:15	2.71	79.5	1778.66	0.921	56.9	-0.091	0	0	25.29	0	0	0	0	511.45	32.309	3.478
MAS93	0.03	0.63	1283.51	4/13/2017 12:00	0.63	109.79	187.08	1.46	2.55	-0.456	0	0	12.37	0	0	0	0	22.33	0.049	8.378
MAS95	0.63	3.49	1291.7	4/13/2017 12:02	3.49	81.5	2660.94	0.982	50.8	-0.146	0	0	37.51	0	0	0	0	336.64	37.906	7.904
MAS96	0.06	0.47	1301.65	4/13/2017 12:00	0.47	19.96	78.2	0.31	1.09	-0.417	0	0	10.53	0	0	0	0	9.59	0.047	8.154
MAS97	0.04	0.33	1314.89	4/13/2017 12:00	0.33	27.54	27.54	0.353	0.353	-0.069	0	0	10.67	0	0	0	0	3.62	0.022	7.608
MAS99	0.07	0.86	1278.33	4/13/2017 12:00	0.86	96.68	96.68	1.38	1.38	-0.054	0	0	11.14	0	0	0	0	11.12	0.034	8.694
MASJ1021	0.59	1.78	1319.78	4/13/2017 12:44	1.78	67.48	145.01	1.29	4.74	0.545	0	0	9.22	0	0	0	0	41.53	2.987	3.492
MASJ108	0.07	0.32	1313.8	4/13/2017 12:00	0.32	30.54	40.71	0.523	0.611	-0.879	0	0	7.68	0	0	0	0	11.33	1.773	3.593
MASJ1090	0.06	0.66	1373.14	4/13/2017 11:55	0.66	0	102.79	0	1.42	-0.283	0	0	22.34	0	0	0	0	9.01	1.501	11.408
MASJ110	0.04	0.33	1341.6	4/13/2017 11:55	0.33	50.67	50.67	0.878	0.877	-0.089	0	0	21.67	0	0	0	0	5.03	1.027	10.074
MASJ1111	0.01	0.23	1302.23	4/13/2017 11:55	0.23	42.6	42.6	0.539	0.539	-0.096	0	0	10.77	0	0	0	0	4.74	0.478	8.987
MASJ1119	2.51	4.36	1319.78	4/13/2017 12:46	4.36	0	97.07	0	4.72	2.258	0	0	6.64	0	0	0	0	41.53	2.987	2.337
MASJ112	0	0.17	1330.56	4/13/2017 11:56	0.17	0	11.14	0	0.086	-2.723	0	0	7.83	0	0	0	0	8	1.566	1.392
MASJ114	0.06	0.47	1318.11	4/13/2017 11:55	0.47	62.44	134.12	1.05	2.36	-0.094	0	0	18.53	0	0	0	0	13.83	3.044	9.698
MASJ1141	1.62	3.34	1319.34	4/13/2017 13:38	3.34	81.04	128.15	1.52	7.35	4.155	0	0	6.66	0	0	0	0	55.92	4.959	2.292
MASJ116	0.08	0.58	1301.19	4/13/2017 11:56	0.58	0	133.22	0	2.36	-0.202	0	0	12.42	0	0	0	0	13.83	3.044	9.633
MASJ1161	0.46	2.15	1326.5	4/13/2017 12:04	2.15	0	114.27	0	2.41	-4.651	0	0	11.85	0	0	0	0	17.81	0.868	6.416
MASJ117	0.05	0.56	1329.3	4/13/2017 11:55	0.56	20.36	20.36	0.326	0.326	-0.092	0	0	8.44	0	0	0	0	1.92	0.307	10.604
MASJ1171	0.02	0.49	1326.47	4/13/2017 12:04	0.49	0	84.79	0	1.08	-0.115	0	0	7.51	0	0	0	0	17.81	0.868	4.761
MASJ119	0.49	1.49	1325.29	4/13/2017 12:00	1.49	0	31.27	0	2.28	-0.287	0	0	7.51	0	0	0	0	23.2	1.538	1.348
MASJ121	0.16	0.69	1324.44	4/13/2017 12:01	0.69	0	30.54	0	2.28	-0.186	0	0	7.31	0	0	0	0	23.2	1.538	1.316
MASJ122	0.28	1.62	1317.62	4/13/2017 12:03	1.62	44.76	75.31	0.746	3.24	-0.25	0	0	8.38	0	0	0	0	30.78	1.792	2.447
MASJ124	0.54	2.49	1316.51	4/13/2017 12:05	2.49	0	792.58	0	28.1	-0.047	0	0	10.51	0	0	0	0	241.71	9.782	3.279
MASJ126	0.1	1.07	1328.07	4/13/2017 11:56	1.07	24.72	44.86	0.377	0.703	-0.285	0	0	7.93	0	0	0	0	4.31	0.446	10.408
MASJ127	0.2	1.56	1327.56	4/13/2017 11:56	1.56	37.67	80.15	0.561	1.27	-0.209	0	0	7.44	0	0	0	0	7.96	0.533	10.069
MASJ128	0.18	1.7	1327.4	4/13/2017 11:56	1.7	0	72.63	0	1.24	-0.124	0	0	7.3	0	0	0	0	7.96	0.533	9.124

Junctions SWMM 100-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
MASJ129	0.15	1.08	1326.62	4/13/2017 12:00	1.08	24.41	40.02	0.387	1.17	-0.176	0	0	7.92	0	0	0	0	10.44	0.652	3.833
MASJ130	0.4	2.42	1326.72	4/13/2017 12:02	2.42	39.4	39.4	0.676	2.12	-0.144	0	0	6.58	0	0	0	0	21.93	1.36	1.797
MASJ132	0.5	2.67	1326.72	4/13/2017 12:01	2.67	0	25.01	0	2.06	-0.214	0	0	6.33	0	0	0	0	21.93	1.36	1.14
MASJ133	0.37	1.35	1325.35	4/13/2017 12:00	1.35	13.42	31.67	0.213	2.27	-0.262	0	0	7.65	0	0	0	0	23.2	1.538	1.365
MASJ135	0.05	0.38	1327.21	4/13/2017 11:55	0.38	16.97	16.97	0.233	0.233	-1.37	0	0	9.62	0	0	0	0	5.78	0.532	2.936
MASJ1351	0.01	0.18	1325.84	4/13/2017 12:00	0.18	0	7.35	0	0.024	-16.11	0	0	11.82	0	0	0	0	7.96	0.533	0.923
MASJ1352	0.02	0.56	1325.48	4/13/2017 11:58	0.56	0	56.97	0	0.462	2.617	0	0	9.44	0	0	0	0	7.96	0.533	7.157
MASJ136	0.01	0.07	1325.7	4/13/2017 0:00	0.06	0	0.33	0	0	-93.291	0	0	8.93	0	0	0	0	12.31	0.763	0.027
MASJ1361	0.21	0.82	1319.82	4/13/2017 12:01	0.82	0	39.94	0	2.47	-0.536	0	0	7.18	0	0	0	0	24.3	1.614	1.644
MASJ1362	0	0.05	1325.51	4/13/2017 0:00	0.04	0	0	0	0	-99.776	0	0	6.95	0	0	0	0	23.2	1.538	0
MASJ137	0.18	1.03	1317.66	4/13/2017 12:03	1.03	0	39.23	0	2.49	-0.387	0	0	6.97	0	0	0	0	24.3	1.614	1.614
MASJ140	8.85	20.08	1254.08	4/13/2017 15:38	20.08	30.98	65767.34	0.289	12600	0.036	0	0	8.92	0	0	0	0	4013.66	315.389	16.386
MASJ1801	0.12	0.64	1331.35	4/13/2017 11:55	0.63	34.34	84.46	0.513	1.39	-0.268	0	0	21.36	0	0	0	0	8	1.566	10.558
MASJ1803	0.05	0.4	1303.05	4/13/2017 12:00	0.4	44.25	84.18	0.853	1.47	-0.738	0	0	9.6	0	0	0	0	16.41	2.581	5.13
MASJ1848	0.15	0.91	1288.74	4/13/2017 11:57	0.91	0	131.54	0	2.37	-0.153	0	0	20.09	0	0	0	0	13.83	3.044	9.511
MASJ2123	0.21	1.97	1347.97	4/13/2017 11:55	1.97	0	344.99	0	5.05	-0.269	0	0	30.03	0	0	0	0	33.5	4.922	10.298
MASJ2149	0.12	1.17	1354.8	4/13/2017 11:56	1.17	44.82	345.19	0.657	5.05	-0.042	0	0	30.83	0	0	0	0	33.5	4.922	10.304
MASJ2187	0.29	1.75	1364.3	4/13/2017 11:56	1.75	73.61	310.7	1.03	4.38	-0.207	0	0	19.25	0	0	0	0	29.1	4.329	10.677
MASJ2191	0.22	4.12	1386.78	4/13/2017 11:55	4.12	65.77	65.77	0.936	0.936	-0.008	0	0	4.88	0	0	0	0	6.1	1.352	10.782
MASJ2703	0.09	0.74	1372.21	4/13/2017 11:55	0.73	75.95	241.51	0.98	3.34	-0.29	0	0	22.26	0	0	0	0	21.63	3.631	11.166
MASJ2769	0.22	0.91	1319.78	4/13/2017 12:43	0.91	0	118.36	0	3.1	-0.093	0	0	12.09	0	0	0	0	31.78	2.037	3.724
MASJ2814	0.1	0.73	1323.73	4/13/2017 12:07	0.73	12.04	86.2	0.169	1.25	-0.326	0	0	9.27	0	0	0	0	24.21	1.67	3.561
MASJ2948	0.33	3.49	1256.49	4/13/2017 12:01	3.49	110.76	1033.82	1.66	15.5	-0.14	0	0	11.51	0	0	0	0	115.15	18.17	8.978
MASJ3041	16.03	29.29	1252.79	4/13/2017 15:39	29.29	63.82	65668.01	0.597	12500	0.034	0	0	21.71	0	0	0	0	4058.5	317.96	16.18
MASJ888	0.06	0.48	1322.36	4/13/2017 12:08	0.48	18.17	91.64	0.277	1.53	0.144	0	0	9.52	0	0	0	0	25.95	1.79	3.531
MASJ916	0.03	0.58	1324.58	4/13/2017 12:06	0.58	0	84.76	0	1.08	-0.094	0	0	8.42	0	0	0	0	23.2	1.538	3.653
MASJ929	0.24	0.85	1319.78	4/13/2017 12:44	0.85	0	16.5	0	0.239	-1.171	0	0	12.15	0	0	0	0	5.78	0.532	2.855
MASJ95	0.04	0.61	1381.16	4/13/2017 11:55	0.61	0	103.33	0	1.42	-0.085	0	0	20.39	0	0	0	0	9.01	1.501	11.468
PostOakIntoCity	2.09	6.07	1314.07	4/13/2017 13:30	6.07	8255.59	8255.59	907	907	0.012	0	0	19.93	0	0	0	0	0	0	0
J908	0.27	1.13	1347.15	4/13/2017 12:00	1.13	143.88	143.88	2.93	2.93	-1.067	0	0	22.87	0	0	0	0	17.87	2.405	8.051
J149	0.31	2.8	1337.8	4/13/2017 12:07	2.8	0	142.49	0	2.96	1.049	0	0	21.2	0	0	0	0	17.87	2.405	7.974
MAS78_DS	3.11	4.14	1353.14	4/13/2017 11:56	4.14	0	146.57	0	1.79	-0.934	0	0	45.86	0	0	0	0	14.67	0.767	9.991
J73	0.29	1.94	1305.94	4/13/2017 12:11	1.94	96.71	354.63	1.4	11.6	-0.298	0	0	12.06	0	0	0	0	77.13	4.449	4.598
1	0.04	0.33	1311.92	4/13/2017 12:00	0.33	0	27.5	0	0.353	-0.127	0	0	10.67	0	0	0	0	3.62	0.022	7.597
3	0.06	0.42	1306.09	4/13/2017 12:00	0.42	31.13	58.43	0.424	0.778	-0.241	0	0	10.58	0	0	0	0	7.14	0.022	8.183
J72	0.78	5.22	1312.22	4/13/2017 12:11	5.22	63.77	305.21	0.917	9.48	-0.05	0	0	10.78	0	0	0	0	63.54	3.179	4.803
J2828	7.34	16.23	1265.55	4/13/2017 15:26	16.23	0	54822.56	0	11100	0.022	0	0	37.77	0	0	0	0	1458.2	102.249	37.596
J2780	8.14	17.04	1265.54	4/13/2017 15:26	17.04	0	58193.28	0	11100	0.03	0	0	11.96	0	0	0	0	1458.2	102.249	39.908
MAS42	0.58	3.01	1351.01	4/13/2017 12:00	3.01	27.2	185.6	0.418	3.25	0.005	0	0	7.99	0	0	0	0	22.67	1.802	8.187

Conduits Outputs

Conduits SWMM 2-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft³)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
3	1826.01	4/13/2017 16:37	6.3	0.03	0.09	0	0	0	0	0	0	1	0	0	0	0	0	161.712	2091.83	177.907	0.873	Cibolo
4	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	676.02	38.467	0	
5	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2232.33	191.465	0	
6	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	693.14	41.121	0	
C_1	436.03	4/13/2017 13:51	2.03	0.02	0.3	0	0	0	0	0	0	1	0	1	0	1	0	101.963	5.68	0	76.766	Post Oak
C_100	196.69	4/13/2017 12:06	2.89	0.01	0.12	0	0	0	0	0	0	1	0	1	0	1	0	57.004	141.25	11.396	1.392	
C_101	219.92	4/13/2017 12:11	11.87	0.31	0.52	0	0.01	0.01	0.01	0.51	0.01	1.43	0	0	1	0	0	0	169.53	13.624	1.297	
C_102	219.91	4/13/2017 12:11	6.32	0.01	0.15	0	0	0	0	0	0	1	0	0.85	0.15	1	0	42.421	169.53	13.624	1.297	
C_110	8.92	4/13/2017 12:00	0.96	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	56.547	7.94	0.401	1.123	
C_117	405.17	4/13/2017 14:35	2.75	0.01	0.26	0	0	0	0	0	0	1	0	1	0	0.94	0	63.573	643.06	25.39	0.63	Post Oak
C_118	405.75	4/13/2017 14:33	3.87	0.03	0.17	0	0	0	0	0	0	1	0	1	0	0.71	0	46.658	643.06	25.39	0.631	Post Oak
C_119	406	4/13/2017 14:24	4.12	0.02	0.22	0	0	0	0	0	0	1	0	1	0	0.97	0	39.001	588.3	24.617	0.69	Post Oak
C_122	399.89	4/13/2017 14:09	9.81	1.92	0.76	0	0.01	1.46	0.01	4.73	0.01	1	0	0.99	0.01	0	0.67	0	38.45	1.048	10.4	Post Oak
C_123	13.92	4/13/2017 12:00	0.48	0	0.37	0	0	0	0	0	0	1	0	1	0	0.98	0	90.883	7.82	0.638	1.78	
C_124	24.24	4/13/2017 12:00	0.42	0	0.18	0	0	0	0	0	0	1	0	0.54	0	0.97	0	88.625	12	0	2.02	
C_148	1524.93	4/13/2017 16:38	3.59	0.07	0.29	0	0	0	0	0	0	1	0	1	0	0.1	0	131.679	676.02	38.467	2.256	Cibolo
C_156	33.01	4/13/2017 12:00	2.49	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	35.182	11.44	1.002	2.885	
C_3	408.5	4/13/2017 13:59	0.93	0.03	0.47	0	0	0	0	0	0	1	0	1	0	0	0	128.868	12.65	0.227	32.292	Post Oak
C_4	400.4	4/13/2017 14:07	0.88	0.01	0.47	0	0	0	0	0	0	1	0	1	0	0	0	128.868	27.61	0.406	14.502	Post Oak
C_9_91	6.97	4/13/2017 12:24	1.26	0.14	1	0	11.86	11.86	12.47	0.01	0.01	1	0	1	0	0.48	0	0	42.31	2.148	0.165	
C_GR_001	275.83	4/13/2017 12:11	7.89	0.3	0.78	0	0	0	0	0	0	1.25	0	1	0	0.95	0	0	219.11	18.599	1.259	
C_MAS042517	19.61	4/13/2017 12:06	0.72	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	112.788	256.244	4.15	0.077	Unnamed Tributary
C_MAS100	497.14	4/13/2017 12:04	7.82	0.01	0.12	0	0	0	0	0	0	1	0	0.72	0.28	0	0	70.378	262.58	28.264	1.893	
C_MAS101_1	129.13	4/13/2017 12:11	2.44	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	45.764	163.21	14.185	0.791	
C_MAS101_2	92.87	4/13/2017 12:11	3.39	0.04	0.46	0	0	0	0	0	0	1.06	0	1	0	0	1	0	166.62	14.97	0.557	
C_MAS102	405.92	4/13/2017 12:03	4.53	0.08	0.28	0	0	0	0	0	0	1	0	1	0	0.09	0	75.21	174.98	19.682	2.32	
C_MAS103	106.98	4/13/2017 12:01	3.54	0.01	0.15	0	0	0	0	0	0	1	0	1	0	1	0	48.821	75.29	6.225	1.421	
C_MAS105	26.71	4/13/2017 12:00	1.07	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	92.999	17.43	1.279	1.532	
C_MAS106	51.42	4/13/2017 12:00	4.58	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	45.125	17.91	3.02	2.871	
C_MAS107	13.07	4/13/2017 12:28	1.8	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	26.768	29.58	2.195	0.442	
C_MAS108_3	43.53	4/13/2017 12:02	10.95	0.49	0.55	0	0	0	0	0	0	1	0	0	1	0	0	0	19.6	1.215	2.221	
C_MAS108_4	43.48	4/13/2017 12:03	4.5	0	0.12	0	0	0	0	0	0	1	0	0.98	0.02	1	0	22.045	19.6	1.215	2.218	
C_MAS109	42.62	4/13/2017 12:05	9.25	0.69	0.62	0	0.01	1.14	0.01	0.01	0.01	1	0	0.07	0.93	0	0.78	0	117.17	9.563	0.364	
C_MAS11	101.54	4/13/2017 12:22	11.94	0.31	0.37	0	0	0	0	0	0	1	0	0	1	0	0	0	263.68	23.114	0.385	
C_MAS110	135.52	4/13/2017 12:05	4.27	0.02	0.19	0	0	0	0	0	0	1	0	1	0	1	0	82.907	121.03	9.858	1.12	
C_MAS111	134.74	4/13/2017 12:06	6.01	0	0.04	0	0	0	0	0	0	1	0	0.8	0.2	0	0	39.047	121.03	9.858	1.113	
C_MAS112	32.9	4/13/2017 12:00	11.29	0.09	0.21	0	0	0	0	0	0	1	0	0	1	0	0	0	18.97	1.818	1.734	
C_MAS113	13.19	4/13/2017 12:28	3.33	0.1	0.3	0	0	0	0	0	0	1	0	0.11	0.89	0	0	0	29.58	2.195	0.446	
C_MAS114	55.18	4/13/2017 12:23	0.48	0	0.31	0	0	0	0	0	0	1	0	1	0	0.91	0	216.192	27.07	1.87	2.038	
C_MAS115	31.19	4/13/2017 12:05	8.61	0.12	0.28	0	0	0	0	0	0	1	0	0.07	0.93	0.06	0	0	23.9	1.737	1.305	
C_MAS116	54.2	4/13/2017 12:05	4.7	0	0.05	0	0	0	0	0	0	1	0	0.51	0.49	0.01	0	39.408	28.26	1.431	1.918	
C_MAS118	72.29	4/13/2017 12:02	3.76	0	0.12	0	0	0	0	0	0	1	0	0.99	0.01	1	0	26.905	26.52	5.878	2.726	
C_MAS12	559.26	4/13/2017 12:05	3.11	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	177.871	299.27	34.269	1.869	
C_MAS121	47.99	4/13/2017 12:01	1.96	0	0.27	0	0	0	0	0	0	1.03	0	1	0	1	0	44.555	61.59	4.767	0.779	
C_MAS124	21.79	4/13/2017 12:01	7.47	0.25	0.36	0	0	0	0	0	0	1	0	0.98	0.02	0	0	0	46.78	2.133	0.466	
C_MAS125	156.2	4/13/2017 12:12	6.64	0	0.07	0	0	0	0	0	0	1	0	0.9	0.1	0.99	0	24.876	451.66	30.671	0.346	
C_MAS13	554.28	4/13/2017 12:05	4.16	0	0.03	0	0	0	0	0	0	1	0	1	0	0	0	190.078	294.59	33.778	1.882	
C_MAS136	21.19	4/13/2017 12:01	5.53	0.01	0.13	0	0	0	0	0	0	1	0	0	1	0	0	18.313	15.36	1.209	1.38	
C_MAS14	542.35	4/13/2017 12:04	3.96	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	183.833	286.63	32.198	1.892	
C_MAS140	54.5	4/13/2017 12:05	12.56	0.38	0.52	0	0	0	0	0	0	1	0	0	1	0	0	0	28.26	1.431	1.929	
C_MAS142	65.58	4/13/2017 12:04	5.39	0	0.1	0	0	0	0	0	0	1	0	0.02	0.98	0.04	0	31.639	70.57	6.55	0.929	
C_MAS143	12.78	4/13/2017 12:00	0.66	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	76.167	6.24	0.645	2.048	
C_MAS144	28.77	4/13/2017 12:00	5.01	0.02	0.1	0	0	0	0	0	0	1	0	0.94	0.06	1	0	0	10.33	1.147	2.785	
C_MAS145	22.71	4/13/2017 12:00	2.29	0	0.08	0	0	0	0	0	0	1	0	0.06	0.94	0.37	0	40.785	15.36	1.209	1.479	
C_MAS146	30.51	4/13/2017 12:01	2.7	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	42.255	22.38	2.873	1.363	
C_MAS147	47.45	4/13/2017 12:03	1.29	0.01	0.29	0	0	0	0	0	0	1	0	1	0	1	0	52.552	80.23	8.576	0.591	
C_MAS148	41.73	4/13/2017 12:01	0.75	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	143.994	28.04	3.579	1.488	
C_MAS15	139.26	4/13/2017 12:05	1.46	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	115.076	246.1	21.98	0.566	
C_MAS151	20.86	4/13/2017 12:02	1.54	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	58.361	15.36	1.209	1.358	
C_MAS152	42.82	4/13/2017 12:00	4.95	0.05	0.31	0	0	0	0	0	0	1	0	0	1	0	0	33.556	28.04	3.579	1.527	
C_MAS155	24.64	4/13/2017 12:00	3.6	0	0.09	0	0	0	0	0	0	1	0	0.98	0.02	1	0	26.229	10.67	0.866	2.309	
C_MAS156	33.58	4/13/2017 12:00	2.58	0.01	0.19	0	0	0	0	0	0	1	0	0.53	0.47	0.55	0	71.136	13.86	1.142	2.423	
C_MAS157	84.02	4/13/2017 12:12	0.3	0	0.25	0	0	0	0	0	0	1	0	1	0	0.44	0	131.501	35.09	4.454	2.394	
C_MAS158	43.7	4/13/2017 12:00	0.92	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	68.198	14	1.461	3.121	
C_MAS159	29.63	4/13/2017 12:03	8.24	0.35	0.55	0	0.01	0.14	0.01	0.01	0.01	1	0	0	1	0	0	0	14	1.461	2.116	
C_MAS16	106.96	4/13/2017 12:06	9.37	0.31	0.46	0	0	0	0	0	0	1	0	0	0	0	0	0	212.48	20.186	0.503	
C_MAS160	29.58	4/13/2017 12:05	2.57	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	50.015	14	1.461	2.113	
C_MAS161	32.2	4/13/2017 12:17	2.35	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	50.165	29.04	4.497	1.109	
C_MAS162_1	27.95	4/13/2017 12:00	3.6	0	0.04	0	0	0	0	0	0	1	0	0	1	1	0	31.177	13.51	3.348	2.069	
C_MAS162_2	40.13	4/13/2017 12:00	0.68	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	102.316	19.07	3.526	2.104	
C_MAS163	32.21	4/13/2017 12:16	8.99	0.28	0.55	0	0.01	0.38	0.01	0.01	0.01	1	0	0	1	0	0	0	29.04	4.497	1.109	

Conduits SWMM 2-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C_MAS164	50.32	4/13/2017 11:55	3.95	0	0.02	0	0	0	0	0	0	1	0	0.98	0.02	1	0	42.048	15.74	3.714	3.197	
C_MAS165	81.7	4/13/2017 12:00	3.78	0	0.11	0	0	0	0	0	0	1	0	0.02	0.98	0.05	0	78.15	26.52	5.878	3.081	
C_MAS166	36.25	4/13/2017 12:00	4.22	0	0.01	0	0	0	0	0	0	1	0	0.07	0.93	1	0	33.33	14.24	1.731	2.546	
C_MAS167	36.23	4/13/2017 12:00	3.75	0	0.03	0	0	0	0	0	0	1	0	0	1	0.01	0	44.96	14.24	1.731	2.544	
C_MAS168	40.87	4/13/2017 12:03	0.35	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	117.933	33.8	0.667	1.209	
C_MAS169	40.72	4/13/2017 12:15	1.15	0	0.14	0	0	0	0	0	0	1.84	0	1	0	1	0	78.624	97.57	10.384	0.417	
C_MAS17	469.48	4/13/2017 12:04	4.68	0	0.07	0	0	0	0	0	0	1	0	1	0	0.99	0	80.518	245.55	26.232	1.912	
C_MAS170	34.34	4/13/2017 12:00	4.81	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	21.466	49.76	4.039	0.69	
C_MAS171	48.54	4/13/2017 12:00	4.39	0	0.02	0	0	0	0	0	0	1	0	0.92	0.08	1	0	37.101	61.59	4.767	0.788	
C_MAS174	103.62	4/13/2017 12:20	6.03	0	0.05	0	0	0	0	0	0	1	0	0.91	0.09	0.86	0	23.528	280.94	24.018	0.369	
C_MAS175	103.41	4/13/2017 12:23	1.24	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	115.367	287.83	24.269	0.359	
C_MAS18	128	4/13/2017 12:10	5.75	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	32.273	159.9	13.783	0.801	
C_MAS19	124.53	4/13/2017 12:10	4.1	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	30.556	151.8	11.61	0.82	
C_MAS2	171.4	4/13/2017 12:14	2.14	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	100.605	481.42	32.26	0.356	
C_MAS20	122.26	4/13/2017 12:10	6.65	0	0.03	0	0	0	0	0	0	1	0	0	1	0.03	0	30.004	143.58	11.415	0.852	
C_MAS21	166.53	4/13/2017 12:03	4.07	0	0.09	0	0	0	0	0	0	1	0	1	0	0.06	0	49.576	137.84	16.696	1.208	
C_MAS22	395.72	4/13/2017 12:02	5.85	0	0.07	0	0	0	0	0	0	1	0	1	0	0.99	0	59.821	169.92	19.398	2.329	
C_MAS23	283.62	4/13/2017 12:02	7.97	0	0.1	0	0	0	0	0	0	1	0	0.31	0.69	0	0	36.956	124.81	10.642	2.272	
C_MAS24	130.05	4/13/2017 12:07	3.22	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	67.084	126.23	9.905	1.03	
C_MAS25	25.41	4/13/2017 12:15	7.44	0.41	0.49	0	0	0	0	0	0	1	0	0	1	0	0	0	97.57	10.384	0.26	
C_MAS26	80.36	4/13/2017 12:07	1.29	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	123.43	78.48	3.522	1.024	
C_MAS27	127.99	4/13/2017 12:00	2.13	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	143.832	114.1	13.921	1.122	
C_MAS28_1	23.57	4/13/2017 12:10	2.34	0	0.01	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	58.463	60.86	5.884	0.387	
C_MAS28_2	13.64	4/13/2017 12:21	3.26	0.18	0.57	0	0	0	0	0	0	1	0	1	0	1	0	0	60.86	5.884	0.224	
C_MAS29	224.12	4/13/2017 12:01	2.82	0	0.07	0	0	0	0	0	0	1	0	1	0	0.16	0	122.908	82.04	6.94	2.732	
C_MAS3	166.59	4/13/2017 12:13	3.38	0	0.04	0	0	0	0	0	0	1	0	1	0	0	0	71.712	471.43	32.105	0.353	
C_MAS30	89.9	4/13/2017 12:02	2.82	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	65.604	101.08	11.965	0.889	
C_MAS31	64.25	4/13/2017 12:00	3	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	44.198	72.04	7.467	0.892	
C_MAS32	148.41	4/13/2017 12:02	1.06	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	141.82	108.44	8.975	1.369	
C_MAS33	21.76	4/13/2017 12:00	3.28	0	0.08	0	0	0	0	0	0	1	0	0.94	0.06	0.91	0	25.167	11.12	0.034	1.957	
C_MAS34	68.23	4/13/2017 12:06	3.34	0	0.03	0	0	0	0	0	0	1	0	0.96	0.04	0.86	0	60.328	62.6	3.475	1.09	
C_MAS35	173.87	4/13/2017 12:00	5.88	0	0.05	0	0	0	0	0	0	1	0	0.97	0.03	0.98	0	45.928	64.43	4.211	2.699	
C_MAS36	52.78	4/13/2017 12:17	10.55	1.04	0.81	0	0.01	0.97	0.01	1.14	0.01	1	0	0	1	0.86	0	0	59.69	5.597	0.884	
C_MAS37	94.98	4/13/2017 12:01	3.11	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	64.119	63.16	5.486	1.504	
C_MAS38	31.58	4/13/2017 12:02	3.27	0	0.05	0	0	0	0	0	0	1	0	0.02	0.98	0.02	0	35.682	61.33	6.808	0.515	
C_MAS39	57.03	4/13/2017 12:06	6.97	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	20.617	53.4	3.245	1.068	
C_MAS4	98.92	4/13/2017 12:42	4.13	0	0.07	0	0	0	0	0	0	1	0	1	0	0.02	0	30.636	363.16	27.125	0.272	
C_MAS40	54.35	4/13/2017 12:00	2.67	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	40.431	38.49	3.539	1.412	
C_MAS41	118.01	4/13/2017 12:00	1.14	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	142.53	54.61	4.482	2.161	
C_MAS42	82	4/13/2017 12:00	5.01	0	0.02	0	0	0	0	0	0	1	0	0.22	0.78	0	0	35.021	51.77	5.179	1.584	
C_MAS43	56.66	4/13/2017 12:01	2.04	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	107.234	46.78	2.133	1.211	
C_MAS44	43.73	4/13/2017 12:00	3.73	0	0.03	0	0	0	0	0	0	1	0	0.08	0.92	1	0	41.326	34.2	2.81	1.279	
C_MAS45	38.71	4/13/2017 12:02	2.01	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	70.362	32.35	0.897	1.197	
C_MAS46	30.97	4/13/2017 12:00	3.46	0.05	0.26	0	0	0	0	0	0	1	0	0.04	0.96	0.03	0	65.428	22.38	2.873	1.384	
C_MAS47	92.89	4/13/2017 12:00	2.74	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	60.273	31.66	2.788	2.934	
C_MAS48	28.11	4/13/2017 12:08	3.59	0	0.07	0	0	0	0	0	0	1	0	0.01	0.99	0.02	0	34.989	22.67	1.802	1.24	
C_MAS49	80.94	4/13/2017 12:00	2.19	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	62.959	38.99	3.296	2.076	
C_MAS5	581.09	4/13/2017 12:11	2.58	0	0.04	0	0	0	0	0	0	1	0	1	0	0	0	212.015	351.02	38.361	1.655	
C_MAS50	55.88	4/13/2017 12:00	4.14	0.01	0.18	0	0	0	0	0	0	1	0	1	0	0.85	0	23.564	22.36	3.45	2.499	
C_MAS51	28.34	4/13/2017 12:00	2.26	0	0	0	0	0	0	0	0	1	0	0.99	0.01	1	0	0	18.71	2.698	1.515	
C_MAS52	32.38	4/13/2017 12:00	2.15	0	0.1	0	0	0	0	0	0	1	0	0.72	0.28	1	0	59.96	17.88	0.594	1.811	
C_MAS53	93.74	4/13/2017 12:00	4.37	0	0.02	0	0	0	0	0	0	1	0	0	1	0	0	36.287	31.66	2.788	2.961	
C_MAS54	12.58	4/13/2017 12:07	9.66	0.58	0.69	0	0.01	1.57	0.01	0.01	0.01	1	0	0.67	0.33	0	1	0	22.67	1.802	0.555	
C_MAS56	35.26	4/13/2017 12:01	1.11	0.01	0.24	0	0	0	0	0	0	1	0	1	0	1	0	68.21	22.33	0.049	1.579	
C_MAS57	37.36	4/13/2017 12:00	4.11	0	0.03	0	0	0	0	0	0	1	0	0.99	0.01	1	0	29.699	22.96	3.226	1.627	
C_MAS58	59.66	4/13/2017 12:00	3.59	0	0.04	0	0	0	0	0	0	1	0	0.93	0.07	0.42	0	57.517	42.11	1.464	1.417	
C_MAS6	99.32	4/13/2017 12:39	3.5	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	36.792	349.84	26.88	0.284	
C_MAS60	41.05	4/13/2017 12:00	5.24	0	0.01	0	0	0	0	0	0	1	0	0.97	0.03	0.98	0	16.517	23.46	2.514	1.75	
C_MAS61_1	81.42	4/13/2017 11:55	0.73	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	133.398	26.51	3.59	3.071	
C_MAS61_2	62.64	4/13/2017 12:11	11.28	0.81	0.85	0	0.01	0.18	0.01	0.01	0.01	1	0	0.67	0.33	0.95	0	0	32.49	4.147	1.928	
C_MAS62	31.13	4/13/2017 12:00	1.2	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	78.122	9.78	1.979	3.183	
C_MAS63	26.01	4/13/2017 12:00	2.48	0	0.03	0	0	0	0	0	0	1	0	0.4	0.6	0.73	0	48.821	17.35	1.509	1.499	
C_MAS64	35.11	4/13/2017 12:00	0.99	0	0.16	0	0	0	0	0	0	1	0	0.97	0.03	1	0	99.69	19.96	1.713	1.759	
C_MAS66	23.29	4/13/2017 12:00	0.95	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	57.913	8.33	1.033	2.796	
C_MAS67	50.3	4/13/2017 12:00	0.33	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	91.783	24.59	0.4	2.046	
C_MAS68_1	37.41	4/13/2017 12:00	3.08	0	0.02	0	0	0	0	0	0	1	0	1	0	0.9	0	27.123	12.98	1.777	2.882	
C_MAS68_2	46.38	4/13/2017 12:00	3.01	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	27.123	16.18	2.052	2.867	
C_MAS69_1	44.54	4/13/2017 12:00	2.51	0.01	0.21	0	0	0	0	0	0	1	0	1	0	1	0	29.694	17.65	2.83	2.524	
C_MAS69_2	43.44	4/13/2017 12:00	9.99	0.21	0.35	0	0	0	0	0	0	1	0	0	1	0	0	0	17.65	2.83	2.461	
C_MAS7	99.14	4/13/2017 12:38	12.18	0.34	0.44	0	0	0	0	0	0	1	0	0	1	0	0	0	343.83	26.264	0.288	
C_MAS70	34.08	4/13/2017 12:00	0.91	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	55.651	18.97	1.818	1.797	
C_MAS71	19.88	4/13/2017 12:00	2.94	0	0.08	0	0	0	0	0	0	1	0	0.2	0.8	0.35	0	27.778	11.51	1.042	1.727	
C_MAS73	40.03	4/13/2017 12:00	3.82	0	0.06	0	0	0	0	0	0	1	0	0	1	0	0	37.096	26.14	1.05	1.531	

Conduits SWMM 2-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C_MAS74	56.5	4/13/2017 12:00	3.64	0	0.02	0	0	0	0	0	0	1	0	0.99	0.01	1	0	44.331	20.64	2.269	2.737	
C_MAS75	44.56	4/13/2017 12:00	2.95	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	43.149	20.92	0.34	2.13	
C_MAS76	68.54	4/13/2017 12:00	2.89	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	44.208	23.09	1.229	2.968	
C_MAS77	83.17	4/13/2017 12:00	4.81	0.01	0.16	0	0	0	0	0	0	1	0	0	1	0.02	0	45.237	51.77	5.179	1.607	
C_MAS78	23.58	4/13/2017 12:03	8.82	0.42	0.41	0	0	0	0	0	0	1	0	0	1	0	0	0	11.76	2.888	2.005	
C_MAS79	24.83	4/13/2017 12:00	4.62	0	0.04	0	0	0	0	0	0	1	0	0.02	0.98	0.03	0	21.108	10.67	0.866	2.327	
C_MAS8	585	4/13/2017 12:07	5.4	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	78.884	328.2	37.485	1.782	
C_MAS80	20.78	4/13/2017 12:00	2.48	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	28.31	13.51	1.295	1.538	
C_MAS81	22.08	4/13/2017 12:00	4.29	0	0.02	0	0	0	0	0	0	1	0	0.15	0.85	0.93	0	22.432	10.2	0.131	2.165	
C_MAS83	20.7	4/13/2017 12:00	0.76	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	65.734	9.26	1.126	2.235	
C_MAS84	23.35	4/13/2017 12:00	2.97	0	0.01	0	0	0	0	0	0	1	0	0.85	0.15	1	0	20.781	8.11	1.078	2.879	
C_MAS85	34.58	4/13/2017 12:00	2.42	0	0.02	0	0	0	0	0	0	1	0	0.95	0.05	1	0	55.842	14.62	2.281	2.365	
C_MAS86	30.82	4/13/2017 12:00	0.5	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	107.7	10.27	2.434	3.001	
C_MAS87	17.09	4/13/2017 12:00	1.71	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	42.424	10.31	1.137	1.658	
C_MAS88	50.97	4/13/2017 11:55	2.82	0	0.02	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	50.499	15.81	1.102	3.224	
C_MAS89	59.28	4/13/2017 12:00	2.59	0.01	0.12	0	0	0	0	0	0	1	0	1	0	1	0	57.958	38.47	4.111	1.541	
C_MAS9	574.08	4/13/2017 12:06	3.97	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	136.091	315.21	35.445	1.821	
C_MAS90	31.59	4/13/2017 12:01	4.37	0	0.01	0	0	0	0	0	0	1	0	0.13	0.87	0.9	0	16.859	14.67	0.767	2.153	
C_MAS92	21.81	4/13/2017 12:00	2.17	0	0.02	0	0	0	0	0	0	1	0	0.98	0.02	0.99	0	74.764	7.08	1.815	3.081	
C_MAS93	22.39	4/13/2017 12:00	2.39	0	0.05	0	0	0	0	0	0	1	0	0.06	0.94	0.18	0	36.19	14.5	0.811	1.544	
C_MAS94	24.94	4/13/2017 12:00	2.79	0	0.08	0	0	0	0	0	0	1	0	0.05	0.95	0.05	0	42.912	16.41	1.442	1.52	
C_MAS96	15.2	4/13/2017 12:00	1.98	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	43.706	7.95	0.98	1.912	
C_MAS97	31.32	4/13/2017 12:00	1.19	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	119.973	14.99	0.879	2.089	
C_MAS98	588.97	4/13/2017 12:09	4.64	0	0.1	0	0	0	0	0	0	1	0	1	0	0.07	0	203.53	336.64	37.906	1.75	
C_MAS99	101.55	4/13/2017 12:22	3.02	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	43.406	266.58	23.157	0.381	
C1	2198.51	4/13/2017 15:24	3.9	0.04	0.26	0	0	0	0	0	0	1	0	1	0	0	0	157.712	3582.93	274.53	0.614	Cibolo
C100	749.72	4/13/2017 12:19	13.9	0.48	0.65	0	0.01	0.01	0.01	0.75	0.01	1	0	0	1	0	0	0	557.95	64.942	1.344	
C1002	37.19	4/13/2017 12:00	6.54	0	0.02	0	0	0	0	0	0	1	0	0.89	0.11	0.97	0	14.909	12.05	1.231	3.086	
C1005	11.5	4/13/2017 12:01	0.7	0	0.03	0	0	0	0	0	0	1	0	0.61	0.39	0.95	0	131.953	6.01	0	1.913	
C1006	29.53	4/13/2017 12:00	1.08	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	35.942	10.73	0.848	2.752	
C1008	25.08	4/13/2017 12:01	0.89	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	92.943	13.81	0	1.816	
C101	149.66	4/13/2017 12:18	2.27	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	89.904	400.64	16.31	0.374	
C1013	2.19	4/13/2017 12:02	0.02	0	0.4	0	0	0	0	0	0	1	0	1	0	1	0	230.18	7.33	0.247	0.299	
C1018	11.59	4/13/2017 12:00	1.6	0	0.08	0	0	0	0	0	0	1	0	1	0	0.02	0	39.121	7.6	1.175	1.525	
C1019	16.82	4/13/2017 12:01	1.55	0	0.02	0	0	0	0	0	0	1	0	0.19	0.81	0.29	0	79.61	9.48	0.87	1.774	
C102	71.53	4/13/2017 12:05	12.33	0.04	0.31	0	0	0	0	0	0	1	0.2	0	0	0	0	49.718	177.14	7.223	0.404	
C102_1	85.77	4/13/2017 12:04	1.37	0.01	0.25	0	0	0	0	0	0	1	0	1	0	1	0	50.723	177.14	7.223	0.484	
C102_3	13.88	4/13/2017 12:05	3.89	0.43	0.5	0	0	0	0	0	0	1	0	1	0	0	0	0	177.14	7.223	0.078	
C102_4	85.34	4/13/2017 12:05	3.55	0.01	0.14	0	0	0	0	0	0	1	0	1	0	1	0	41.109	177.14	7.223	0.482	
C1022	22.47	4/13/2017 12:00	5.16	0	0.02	0	0	0	0	0	0	1	0	0.03	0.97	1	0	28.537	9.63	0.915	2.333	
C1024	18.45	4/13/2017 12:00	0.71	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	123.047	8.91	0.468	2.071	
C1025	1.46	4/13/2017 12:03	0.32	0	0.03	0	0	0	0	0	0	1	0	1	0	0.99	0	35.639	6.55	0.054	0.223	
C1026	18.1	4/13/2017 12:00	0.46	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	84.86	8.77	0.128	2.064	
C1029	46.68	4/13/2017 12:00	3.74	0	0.02	0	0	0	0	0	0	1	0	0.06	0.94	0.99	0	34.664	15.96	2.793	2.925	
C103	173.97	4/13/2017 12:16	2.57	0.01	0.2	0	0	0	0	0	0	1	0	1	0	1	0	42.166	1470.98	32.095	0.118	Unnamed Tributary
C1030	14.33	4/13/2017 12:00	3.08	0	0.06	0	0	0	0	0	0	1	0	0.99	0.01	0.13	0	16.235	7.48	0.476	1.916	
C1032	5.83	4/13/2017 11:55	0.87	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	47.862	3.13	0.756	1.863	
C1037	50.99	4/13/2017 12:00	2.77	0	0.02	0	0	0	0	0	0	1	0	0.98	0.02	0.99	0	79.11	17.68	1.958	2.884	
C1038	13.88	4/13/2017 12:02	1	0	0.01	0	0	0	0	0	0	1	0	1	0	1	0	62.815	6.3	0.098	2.203	
C104	41.67	4/13/2017 12:25	0.97	0	0.01	0	0	0	0	0	0	1	0	1	0	0.98	0	294.668	81.12	2.737	0.514	
C104_1	447.17	4/13/2017 17:57	3.47	0.1	0.22	0	0	0	0	0	0	1	0	1	0	0	0	54.695	249.46	14.215	1.793	Balcones
C104_2	450.76	4/13/2017 17:59	5.36	0	0.17	0	0	0	0	0	0	1	0	1	0	0.79	0	39.796	520.27	38.604	0.866	Balcones
C1042	18.34	4/13/2017 12:00	1.85	0	0.02	0	0	0	0	0	0	1	0	0.99	0.01	0.98	0	70.782	7.23	0.606	2.537	
C1044	26.56	4/13/2017 12:00	3.66	0	0.03	0	0	0	0	0	0	1	0	0	1	0.03	0	35.439	13.76	1.45	1.93	
C1045	29.9	4/13/2017 12:00	4.05	0.02	0.17	0	0	0	0	0	0	1	0	0.05	0.95	0.05	0	28.812	14.65	0.844	2.041	
C1047	2.08	4/13/2017 12:02	0.1	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	479.688	6.26	0	0.332	
C1048	16.45	4/13/2017 12:00	0.26	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	83.162	6.42	0.138	2.562	
C104MAS	18.48	4/13/2017 12:10	4.73	0.06	0.23	0	0	0	0	0	0	1	0	0.88	0.12	0.89	0	0	30.78	1.792	0.6	
C105	173.43	4/13/2017 12:14	2.08	0.01	0.14	0	0	0	0	0	0	1	0	1	0	0.99	0	86.065	1468.58	32.095	0.118	Unnamed Tributary
C1050_1	27.95	4/13/2017 12:00	1.63	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	41.353	11.64	1.097	2.401	
C1050_2	18.36	4/13/2017 12:06	0.86	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	118.485	11.64	1.097	1.577	
C1050_3	18.46	4/13/2017 12:05	8.07	0.11	0.24	0	0	0	0	0	0	1	0	0	1	0	0	0	11.64	1.097	1.586	
C1050_4	8.65	4/13/2017 12:31	6.96	0.21	0.3	0	0	0	0	0	0	1	0	0	1	0	0	0	11.64	1.097	0.743	
C1050_6	8.63	4/13/2017 12:33	1.34	0	0.04	0	0	0	0	0	0	1	0	0.13	0.87	0.06	0	57.847	11.64	1.097	0.741	
C1052	6.9	4/13/2017 12:04	0.61	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	95.913	7.06	0.861	0.977	
C1053	30.61	4/13/2017 12:00	1.04	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	91.501	10.73	0.848	2.853	
C1056	3.37	4/13/2017 12:00	0.5	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	71.455	7.33	0.247	0.46	
C1058	21.31	4/13/2017 12:00	3.48	0	0.03	0	0	0	0	0	0	1	0	0.06	0.94	0.08	0	24.589	8.11	0.85	2.628	
C1058MAS	39.55	4/13/2017 12:00	4.8	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	25.579	13.83	3.044	2.86	
C1059	17.97	4/13/2017 12:00	1.7	0.01	0.4	0	0	0	0	0	0	1	0	1	0	1	0	26.867	24.1	1.565	0.746	
C106	57.98	4/13/2017 12:04	1.64	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	72.535	160.06	5.898	0.362	
C1060	30.22	4/13/2017 12:00	2.15	0	0.04	0	0	0	0	0	0	1	0	0.04	0.96	0	0	66.067	11.13	1.755	2.715	
C1064	35.4	4/13/2017 12:00	0.66	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	140.055	18.28	1.363	1.937	

Conduits SWMM 2-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C107	149.6	4/13/2017 12:10	1.26	0	0.14	0	0	0	0	0	0	1	0	1	0	0.98	0	217	388.08	14.38	0.385	
C1071	26.28	4/13/2017 12:00	1.75	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	101.495	13.02	0.028	2.018	
C1074	24.52	4/13/2017 12:00	1.19	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	88.263	8.01	0.953	3.061	
C1077	9.11	4/13/2017 12:00	3.49	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	28.632	7.59	0.806	1.2	
C1078	6.98	4/13/2017 12:03	0.84	0	0.02	0	0	0	0	0	0	1	0	1	0	0.33	0	92.912	4.91	0.289	1.422	
C108	15.22	4/13/2017 12:21	7.97	0.69	0.59	0	0	0	0	0	0	1	0	0	1	0	0	0	44.12	4.437	0.345	
C108_1	24.22	4/13/2017 12:18	5.97	0	0.04	0	0	0	0	0	0	1	0.94	0	0	0	0	23.923	44.12	4.437	0.549	
C108_3	37.66	4/13/2017 12:23	0.31	0	0.37	0	0	0	0	0	0	1	0	1	0	1	0	147.931	44.12	4.437	0.854	
C108_4	315.82	4/13/2017 12:52	3.63	0.14	0.6	0	0	0	0	0	0	1	0	1	0	0	0	0	1990.45	52.764	0.159	Unnamed Tributary
C1082	11.49	4/13/2017 12:00	16.52	0	0.11	0	0	0	0	0	0	1	0	0	1	0	0	40.932	9.3	0.517	1.235	
C1083	12.87	4/13/2017 11:55	0.54	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	49.364	16.58	2.221	0.776	
C1084	0.5	4/13/2017 0:00	0.32	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	36.592	0	0	0	
C1085	10.89	4/13/2017 12:00	1.49	0	0.02	0	0	0	0	0	0	1	0	1	0	0.99	0	51.873	7.22	0	1.508	
C1086	21.39	4/13/2017 12:01	1.17	0	0.06	0	0	0	0	0	0	1	0	1	0	0.98	0	82.594	9.61	0.626	2.226	
C109_1	1526.4	4/13/2017 16:15	3.56	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	115.307	456.3	23.87	3.345	Cibolo
C109_2	1526.8	4/13/2017 16:18	4.62	0	0.13	0	0	0	0	0	0	1	0	1	0	0	0	106.67	552.76	30.156	2.762	Cibolo
C1090_2MAS	30.33	4/13/2017 11:56	1.43	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	72.263	9.01	1.501	3.366	
C1090_3MAS	23.6	4/13/2017 11:55	8.25	0.54	0.57	0	0.01	0.25	0.01	0.01	0.01	1	0	0	1	0	0	0	9.01	1.501	2.619	
C1090_4MAS	30.99	4/13/2017 11:55	2.8	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	39.322	9.01	1.501	3.44	
C1094	47.51	4/13/2017 11:55	2.69	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	62.271	15.96	2.793	2.977	
C1098	9.65	4/13/2017 12:00	1.76	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	24.568	7.59	0.806	1.271	
C110	146.27	4/13/2017 12:16	8.27	0.53	0.47	0	0.01	0.01	0.01	0.83	0.01	1	0	0	1	0	0	0	396.18	15.51	0.369	
C1103	17.19	4/13/2017 12:00	2.05	0	0.01	0	0	0	0	0	0	1	0	0.97	0.03	1	0	39.417	7.39	1.043	2.326	
C1105	7.63	4/13/2017 12:00	2.09	0	0.03	0	0	0	0	0	0	1	0	0.06	0.94	0.16	0	18.341	3.79	0.497	2.013	
C111	41.59	4/13/2017 12:03	0.63	0	0.26	0	0	0	0	0	0	1	0	1	0	1	0	112.313	23.14	1.461	1.797	
C1111	3.79	4/13/2017 12:00	0.19	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	174.319	3.74	0.28	1.013	
C1113	5.53	4/13/2017 12:00	0.92	0	0.05	0	0	0	0	0	0	1	0	1	0	0.29	0	44.89	7.99	0.939	0.692	
C1115	16.89	4/13/2017 12:00	0.25	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	66.118	6.88	0.612	2.455	
C1117	418.38	4/13/2017 14:38	3.97	0.02	0.2	0	0	0	0	0	0	1	0	1	0	0.92	0	45.321	733.72	31.25	0.57	Post Oak
C1118	405.82	4/13/2017 14:29	4.14	0.03	0.22	0	0	0	0	0	0	1	0	1	0	0	0	67.286	618.01	24.663	0.657	Post Oak
C1119	400.03	4/13/2017 14:14	3.72	0.02	0.21	0	0	0	0	0	0	1	0	1	0	0.14	0	82.125	50.3	1.709	7.953	Post Oak
C112	1526.89	4/13/2017 16:12	1.45	0	0.14	0	0	0	0	0	0	1	0	1	0	0.04	0	331.055	441.33	23.472	3.46	Cibolo
C1120	437.17	4/13/2017 13:50	4.23	0.01	0.11	0	0	0	0	0	0	1	0	0.56	0.44	0.18	0	82.759	0	0	0	Post Oak
C1121	1526.32	4/13/2017 16:26	4.18	0.01	0.13	0	0	0	0	0	0	1	0	1	0	0.75	0	179.993	616.6	34.617	2.475	Cibolo
C1122	255.27	4/13/2017 12:36	6.75	0	0.08	0	0	0	0	0	0	1	0	0.95	0.05	0	0	31.715	1637.95	37.221	0.156	Unnamed Tributary
C1123	1526.35	4/13/2017 16:23	3.53	0.01	0.1	0	0	0	0	0	0	1	0	1	0	0.42	0	134.379	594.66	33.302	2.567	Cibolo
C1124	206.68	4/13/2017 12:24	1.86	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	138.413	1532.58	32.968	0.135	Unnamed Tributary
C1125	207.03	4/13/2017 12:23	2.07	0	0.06	0	0	0	0	0	0	1	0	1	0	0.03	0	125.556	1532.58	32.968	0.135	Unnamed Tributary
C1127	165.56	4/13/2017 12:14	2.98	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	73.323	1460.15	32.095	0.113	Unnamed Tributary
C1129	1530.1	4/13/2017 16:04	2.31	0.01	0.1	0	0	0	0	0	0	1	0	1	0	0.5	0	195.243	401.95	21.079	3.807	Cibolo
C113	151.49	4/13/2017 12:05	2.56	0	0.09	0	0	0	0	0	0	1	0	1	0	0.99	0	73.342	381.42	14.371	0.397	
C1130	454.98	4/13/2017 17:39	3.06	0.01	0.11	0	0	0	0	0	0	1	0	1	0	1	0	87.206	210.63	13.23	2.16	Balcones
C1131	1517.76	4/13/2017 16:01	3.49	0.01	0.09	0	0	0	0	0	0	1	0	1	0	0.15	0	130.743	263.32	9.948	5.764	Cibolo
C1133	758.64	4/13/2017 12:20	7.66	0	0.05	0	0	0	0	0	0	1	0	0.93	0.02	0.94	0	99.143	572.4	68.021	1.325	
C1134	43.82	4/13/2017 12:13	1.82	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	57.434	1363.61	28.637	0.032	Unnamed Tributary
C1140	28.71	4/13/2017 13:56	2.3	0	0.06	0	0	0	0	0	0	1	0	0.57	0.43	0	0	65.125	1333.52	27.051	0.022	Unnamed Tributary
C1142	61.94	4/13/2017 12:00	1.38	0	0.09	0	0	0	0	0	0	1	0	1	0	0.96	0	93.128	144.21	3.966	0.43	
C1146	155.84	4/13/2017 12:12	3.94	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	33.403	120.91	18.56	1.289	
C1148	28.21	4/13/2017 12:26	1.19	0	0.07	0	0	0	0	0	0	1	0	1	0	0.11	0	120.209	40.39	2.452	0.698	
C115	162.96	4/13/2017 12:12	3.17	0	0.08	0	0	0	0	0	0	1	0	1	0	0	0	72.522	1456.34	32.095	0.112	Unnamed Tributary
C1150	22.81	4/13/2017 12:54	1.29	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	65.601	96.94	3.681	0.235	
C1153	13.63	4/13/2017 12:18	2.41	0	0.05	0	0	0	0	0	0	1	0	0.01	0.99	0	0	39.012	22.56	0.587	0.604	
C1155	235.01	4/13/2017 12:04	3.06	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	64.015	106.73	9.461	2.202	
C1156	19.69	4/13/2017 12:01	0.95	0	0.03	0	0	0	0	0	0	1	0	1	0	0.99	0	119.354	112.07	6.922	0.176	
C116	151.89	4/13/2017 12:04	6.31	0.6	0.5	0	0.01	0.01	0.01	0.7	0.01	1	0	0.96	0.04	0	0.68	0	381.42	14.371	0.398	
C1162	121.63	4/13/2017 12:01	4.77	0	0.04	0	0	0	0	0	0	1	0	0.86	0.14	0.86	0	62.249	44.8	0.383	2.715	
C1163	65.95	4/13/2017 12:00	4.78	0	0.02	0	0	0	0	0	0	1	0	0	1	0	0	97.247	41.06	4.202	1.606	
C1169	128.08	4/13/2017 12:05	2.73	0	0.08	0	0	0	0	0	0	1	0	0.21	0.79	0.23	0	143.482	64.57	6.26	1.984	
C117	28.33	4/13/2017 12:01	0.9	0	0.08	0	0	0	0	0	0	1	0	1	0	0	0	114.933	15.03	1.063	1.885	
C1170	56.76	4/13/2017 12:01	2.49	0	0.09	0	0	0	0	0	0	1	0	0.43	0.57	0.2	0	68.604	29.92	3.863	1.897	
C1171	51.74	4/13/2017 12:06	0.68	0	0.08	0	0	0	0	0	0	1	0	1	0	0	0	275.75	45.05	2.152	1.149	
C1172	17.62	4/13/2017 12:10	0.81	0	0.19	0	0	0	0	0	0	1	0	1	0	1	0	104.429	25.72	0.368	0.685	
C1174	157.61	4/13/2017 12:00	6.62	0	0.08	0	0	0	0	0	0	1	0	0	1	0	0	39.195	53.17	5.187	2.964	
C1175	40.29	4/13/2017 12:00	1.77	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	86.691	42.42	2.148	0.95	
C1176	37.9	4/13/2017 12:00	3.62	0	0.09	0	0	0	0	0	0	1	0	0.93	0.07	0.92	0	21.878	55.08	4.06	0.688	
C1178	22.68	4/13/2017 12:10	0.44	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	104.739	16.26	1.755	1.395	
C118	448.09	4/13/2017 17:51	1.42	0.01	0.22	0	0	0	0	0	0	1	0	1	0	0.56	0	101.971	238.05	14.105	1.882	Balcones
C1182_1	14.94	4/13/2017 12:21	2.09	0	0.01	0	0	0	0	0	0	1	0	0.88	0.12	0.95	0	52.751	18.24	1.619	0.819	
C1182_2	22.92	4/13/2017 12:01	0.89	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	115.102	29.2	2.31	0.785	
C1183	105.69	4/13/2017 12:01	5.89	0	0.05	0	0	0	0	0	0	1	0	0	1	0.02	0	34.916	50.69	6.821	2.085	
C1185	120.64	4/13/2017 12:00	2.63	0	0.05	0	0	0	0	0	0	1	0	0.26	0.74	0.04	0	130.927	47.05	4.597	2.564	
C1186	101.87	4/13/2017 12:00	1.56	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	152.103	36.07	2.751	2.824	
C1188	34.38	4/13/2017 12:01	4.69	0	0.08	0	0	0	0	0	0	1	0	0.13	0.87	0.14	0	46.023	16.78	0.9	2.049	

Conduits SWMM 2-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C1189_1	54.18	4/13/2017 12:04	8.24	0.54	0.47	0	0.01	0.01	0.01	0.13	0.01	1	0	0.9	0.1	0.89	0	0	29.26	0.902	1.852	
C1189_2	60.15	4/13/2017 12:04	4.84	0	0.06	0	0	0	0	0	0	1	0	0	1	0.01	0	31.784	32.53	1.246	1.849	
C119	138.29	4/13/2017 12:04	1.12	0	0.17	0	0	0	0	0	0	1	0	1	0	0.97	0	128.509	373.68	13.843	0.37	
C1190	29.62	4/13/2017 12:02	1.77	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	64.441	26.79	4.098	1.106	
C1194	30.45	4/13/2017 12:02	1.06	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	73.942	18.21	0	1.672	
C1199	60.9	4/13/2017 12:00	2.89	0	0.04	0	0	0	0	0	0	1	0	0.99	0.01	0.97	0	84.641	23.74	1.348	2.565	
C12	418.52	4/13/2017 14:39	4.1	0	0.11	0	0	0	0	0	0	1	0	1	0	0	0	57.075	757.82	32.815	0.552	Post Oak
C120	163.77	4/13/2017 12:10	3.26	0	0.1	0	0	0	0	0	0	1	0	1	0	0	0	56.738	1456.34	32.095	0.112	Unnamed Tributary
C1200_1	7.73	4/13/2017 12:00	1.29	0	0.02	0	0	0	0	0	0	1	0	0.63	0.37	1	0	56.595	4.5	1.125	1.718	
C1200_2	11.02	4/13/2017 12:00	2.93	0	0.05	0	0	0	0	0	0	1	0	0.31	0.69	0.34	0	102.328	7.22	1.543	1.526	
C121	17.76	4/13/2017 12:00	0.71	0.02	0.6	0	0.01	0.01	1.49	0.01	0.01	1	0	1	0	1	0	149.879	12.83	2.164	1.384	
C1214	14.56	4/13/2017 12:13	0.64	0	0.04	0	0	0	0	0	0	1	0	1	0	0.98	0	137.712	10.98	0.546	1.326	
C1216	6.35	4/13/2017 12:00	0.22	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	97.081	11.94	0.124	0.532	
C122	1528.69	4/13/2017 16:08	2.51	0	0.12	0	0	0	0	0	0	1	0	1	0	0.71	0	212.997	435	23.363	3.514	Cibolo
C1226	14.51	4/13/2017 12:02	1.17	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	72.468	9.44	0	1.537	
C1229MAS	4.69	4/13/2017 12:02	0.93	0	0.05	0	0	0	0	0	0	1	0	1	0	0.05	0	29.319	5.78	0.532	0.811	
C123	112.7	4/13/2017 12:01	1.62	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	90.563	349.87	12.194	0.322	
C1231	57.1	4/13/2017 12:00	3.5	0	0.03	0	0	0	0	0	0	1	0	0.07	0.93	1	0	55.174	19.02	2.028	3.002	
C1235	43.5	4/13/2017 12:00	4.27	0	0.02	0	0	0	0	0	0	1	0	0	1	0.03	0	33.145	14.1	3.189	3.085	
C1236	10.62	4/13/2017 12:07	4.18	0	0.09	0	0	0	0	0	0	1	0	0.04	0.96	0.08	0	14.247	15.54	1.258	0.683	
C1237	29.9	4/13/2017 12:00	8	0.4	0.56	0	0.01	0.09	0.01	0.01	0.01	1	0	0	1	0	0.22	0	13.01	1.687	2.298	
C124	114.03	4/13/2017 12:00	3.03	0	0.07	0	0	0	0	0	0	1	0	1	0	0.02	0	59.959	349.87	12.194	0.326	
C1247	15.93	4/13/2017 12:00	1.14	0	0.07	0	0	0	0	0	0	1	0	1	0	0.99	0	57.643	7.08	0.228	2.25	
C125	452.12	4/13/2017 17:43	2.51	0.01	0.17	0	0	0	0	0	0	1	0	1	0	0.7	0	87.063	218.67	13.815	2.068	Balcones
C126	72.32	4/13/2017 12:01	10.32	0.04	0.18	0	0	0	0	0	0	1.19	0	0	1	0	0	0	26.52	5.878	2.727	
C126MAS	1.19	4/13/2017 12:05	1.11	0	0.03	0	0	0	0	0	0	1	0	0.06	0	0.06	0	12.6	7.96	0.533	0.149	
C127	1530.05	4/13/2017 16:06	5.46	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	153.275	417.98	22.75	3.661	Cibolo
C128	100.06	4/13/2017 12:10	1.66	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	59.77	1404.98	29.446	0.071	Unnamed Tributary
C129	51.4	4/13/2017 12:07	1.93	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	71.009	35.14	0.809	1.463	
C13	48.44	4/13/2017 12:14	0.78	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	240.209	191.79	17.143	0.253	
C130	115.96	4/13/2017 12:00	3.53	0	0.06	0	0	0	0	0	0	1	0	1	0	0.99	0	75.615	349.87	12.194	0.331	
C131	14.59	4/13/2017 12:01	0.14	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	254.7	9.77	1.021	1.493	
C131_2	46.11	4/13/2017 12:00	3.98	0	0.06	0	0	0	0	0	0	1	0	0	1	1	0	47.752	25.44	5.286	1.813	
C131_3	70.19	4/13/2017 12:00	4.26	0	0.07	0	0	0	0	0	0	1	0	0	1	0.83	0	53.01	39	7.166	1.8	
C131_4	78.01	4/13/2017 12:00	3.91	0	0.08	0	0	0	0	0	0	1	0	0.98	0.02	1	0	61.408	45.45	7.996	1.716	
C131_5	58.97	4/13/2017 12:00	3.98	0	0.07	0	0	0	0	0	0	1	0	0	1	1	0	53.01	32.26	6.458	1.828	
C131MAS	0.5	4/13/2017 0:00	0	0	0.51	0	0.01	0.01	24	0.01	0.01	1	0	1	0	1	0	150.075	7.96	0.533	0.063	
C132	22.73	4/13/2017 12:53	1.19	0	0.16	0	0	0	0	0	0	1	0.66	0	0	0	0	30.746	1990.45	52.764	0.011	
C132_1	44.55	4/13/2017 12:00	2.46	0.05	0.43	0	0	0	0	0	0	1	0	1	0	0.99	0	71.969	22.33	2.527	1.995	
C133	46.88	4/13/2017 12:07	1.91	0	0.08	0	0	0	0	0	0	1	0	1	0	0.98	0	48.136	32.17	0.809	1.457	
C134	19.8	4/13/2017 12:00	1.07	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	72.229	15.09	1.539	1.312	
C134MAS	5.06	4/13/2017 11:58	0.96	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	31.178	5.78	0.532	0.875	
C135	19.89	4/13/2017 12:00	0.35	0.02	0.62	0	0.01	0.01	3.15	0.01	0.01	1	0	1	0	1	0	227.309	14.39	0.714	1.382	
C136	1530.48	4/13/2017 16:03	2.85	0.01	0.09	0	0	0	0	0	0	1	0	1	0	0	0	176.906	396.01	21.079	3.865	Cibolo
C137MAS	0.18	4/13/2017 0:00	0.17	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	47.589	23.2	1.538	0.008	
C138	14.02	4/13/2017 12:00	1.38	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	70.15	12.98	0.024	1.08	
C139	1517.65	4/13/2017 16:02	1.92	0.01	0.11	0	0	0	0	0	0	1	0	1	0	0.35	0	266.129	295.37	12.261	5.138	Cibolo
C13MAS	17.9	4/13/2017 12:02	0.69	0.37	1	0	14.47	14.47	24	0.01	0.01	1	0	1	0	0.15	0	70.77	55.92	4.959	0.32	
C14	103.88	4/13/2017 12:09	2.4	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	185.563	120.91	18.56	0.859	
C140	16.3	4/13/2017 12:01	0.92	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	185.534	10.81	0.103	1.508	
C141	8.03	4/13/2017 12:18	0.88	0	0.05	0	0	0	0	0	0	1	0	1	0	0.86	0	81.663	16.07	0.368	0.5	
C142	18.15	4/13/2017 12:00	0.6	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	143.364	34.94	0.603	0.519	
C142_1	55.12	4/13/2017 12:13	1.33	0	0.13	0	0	0	0	0	0	1	0	1	0	0.98	0	141.134	25.68	0.026	2.146	
C142_3	7.75	4/13/2017 12:58	7.23	0.11	0.21	0	0	0	0	0	0	1	0	0.01	0.99	0.02	0	0	25.68	0.026	0.302	
C143	455.08	4/13/2017 17:37	3.75	0	0.08	0	0	0	0	0	0	1	0	1	0	0	0	65.759	203.97	13.184	2.231	Balcones
C144	1517.67	4/13/2017 16:02	4.36	0.02	0.1	0	0	0	0	0	0	1	0	1	0	0	0	120.98	266.17	9.951	5.702	Cibolo
C145	1830.64	4/13/2017 16:47	3.79	0.02	0.26	0	0	0	0	0	0	1	0	1	0	0.67	0	237.064	2544.34	227.774	0.719	Cibolo
C146	314.02	4/13/2017 12:40	2.16	0	0.07	0	0	0	0	0	0	1	0	1	0	0.99	0	245.653	1856.22	45.633	0.169	Unnamed Tributary
C147	342.72	4/13/2017 13:01	2.63	0.01	0.16	0	0	0	0	0	0	1	0	1	0	1	0	82.801	2058.64	57.444	0.166	Unnamed Tributary
C148	130.17	4/13/2017 12:11	3.41	0.09	0.21	0	0	0	0	0	0	1	0	1	0	0.46	0	35.596	166.62	14.97	0.781	
C148_1	2276.89	4/13/2017 15:36	4.82	0.03	0.26	0	0	0	0	0	0	1	0	1	0	0	0	106.625	6258.68	379.747	0.364	Cibolo
C148_2	2276.59	4/13/2017 15:38	4.94	0.03	0.25	0	0	0	0	0	0	1	0	1	0	0.54	0	84.383	6267.81	379.747	0.363	Cibolo
C149	40.16	4/13/2017 12:03	1.92	0	0.05	0	0	0	0	0	0	1	0	1	0	0.88	0	41.509	24.71	0.809	1.625	
C14MAS	17.61	4/13/2017 11:55	13.38	0.27	0.31	0	0	0	0	0	0	1	0	0.02	0.98	0.04	0	0	6.1	1.352	2.887	
C15	405.77	4/13/2017 14:31	4.38	0.02	0.21	0	0	0	0	0	0	1	0	1	0	0.41	0	54.495	633.8	25.017	0.64	Post Oak
C150	2201.29	4/13/2017 15:36	4.65	0.01	0.19	0	0	0	0	0	0	1	0	1	0	0.59	0	118.9	4077.31	317.986	0.54	Cibolo
C151	343.17	4/13/2017 13:13	1.9	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	186.608	2170.36	61.761	0.158	Unnamed Tributary
C153	2201.55	4/13/2017 15:35	8.46	0.02	0.17	0	0	0	0	0	0	1	0	1	0	0	0	46.66	4058.5	317.96	0.542	Cibolo
C155	32.91	4/13/2017 12:01	3.16	0	0.07	0	0	0	0	0	0	1	0	1	0	0.15	0	24.736	19.06	0.809	1.727	
C156	12.62	4/13/2017 12:00	7.2	0	0.02	0	0	0	0	0	0	1	0	0.11	0.89	0.32	0	13.51	8.29	0.146	1.522	
C156_1	26.26	4/13/2017 12:13	10	0.01	0.05	0	0	0	0	0	0	1	0	0	1	0.24	0	0	40.12	1.4	0.655	
C156_10	22.55	4/13/2017 12:25	1.17	0	0	0	0	0	0	0	0	1	0	1	0	0.71	0	0	40.12	1.4	0.562	
C156_2	129.99	4/13/2017 12:25	0.62	0	0.03	0	0	0	0	0	0	1	0	1	0	0	0	226.009	301.92	22.833	0.431	

Conduits SWMM 2-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C156_3	128.22	4/13/2017 12:13	4.88	0	0.01	0	0	0	0	0	0	1	0	0	1	0	0	70.159	173.2	15.616	0.74	
C156_4	84.95	4/13/2017 12:14	9.95	0.03	0.14	0	0	0	0	0	0	1	0	0.83	0.17	1	0	0	191.79	17.143	0.443	
C156_5	150.8	4/13/2017 12:18	1.06	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	226.009	284.56	22.341	0.53	
C156_6	20.44	4/13/2017 12:37	1.18	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	48.41	1.547	0.422	
C156_7	3.89	4/13/2017 12:07	0.23	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	5.75	0.315	0.677	
C156_9	124.22	4/13/2017 12:16	2.64	0	0.01	0	0	0	0	0	0	1	0	0.13	0.87	0.93	0	70.159	191.79	17.143	0.648	
C157	1517.92	4/13/2017 16:01	4.06	0.01	0.1	0	0	0	0	0	0	1	0	1	0	0	0	111.289	263.32	9.948	5.765	Cibolo
C158	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	25.68	0.026	0	
C158_1	28.87	4/13/2017 12:02	0.12	0	0.08	0	0	0	0	0	0	1	0	1	0	0.57	0	323.526	15.04	1.925	1.92	
C158_2	24.88	4/13/2017 12:00	1.34	0.02	0.2	0	0	0	0	0	0	1	0	1	0	0.04	0	65.319	8.41	0.726	2.958	
C158_3	6.82	4/13/2017 12:02	0.51	0	0.02	0	0	0	0	0	0	1	0	1	0	0	0	59.429	38.73	4.016	0.176	
C158_4	33.33	4/13/2017 12:02	1.72	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	74.496	57.55	4.171	0.579	
C158_5	32.52	4/13/2017 12:01	1.04	0.01	0.52	0	0.01	0.01	4.61	0.01	0.01	1	0	1	0	1	0	92.069	12.62	1.214	2.577	
C159	2202.02	4/13/2017 15:32	3.33	0.04	0.18	0	0	0	0	0	0	1	0	1	0	0	0	0	4013.66	315.389	0.549	Cibolo
C16	405.82	4/13/2017 14:31	3.53	0.07	0.3	0	0	0	0	0	0	1	0	1	0	0.83	0	110.889	628.7	25.017	0.645	Post Oak
C160	455.11	4/13/2017 17:36	2.78	0.02	0.12	0	0	0	0	0	0	1	0	1	0	0	0	58.211	199.02	12.688	2.287	Balcones
C161	18.44	4/13/2017 12:01	1.27	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	42.28	10.78	0.809	1.711	
C162	0.24	4/13/2017 12:00	0.97	0.01	0.08	0	0	0	0	0	0	1	0	1	0	1	0	0	256.244	4.15	0.001	Unnamed Tributary
C162_1	101.22	4/13/2017 12:26	2.88	0	0.04	0	0	0	0	0	0	1	0	0.68	0.32	0	0	94.061	261.26	24.142	0.387	
C162_2	100.96	4/13/2017 12:27	1.04	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	138.724	264.93	24.362	0.381	
C163	81.61	4/13/2017 12:00	1.9	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	187.338	256.244	4.15	0.318	
C164	111.49	4/13/2017 12:03	3.09	0	0.04	0	0	0	0	0	0	1	0	1	0	0.99	0	41.671	221.24	22.866	0.504	
C165	144.76	4/13/2017 12:14	3.88	0	0.07	0	0	0	0	0	0	1	0	0.95	0.05	1	0	70.767	247.57	9.943	0.585	
C166	31.88	4/13/2017 11:59	0.1	0	0.24	0	0	0	0	0	0	2.34	0	1	0	0.92	0	348.668	12.26	1.413	2.6	
C167	12.54	4/13/2017 12:40	0.54	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	66.012	32.1	1.839	0.391	
C168	22.89	4/13/2017 12:04	2.1	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	45.991	12.26	1.413	1.867	
C169	8.11	4/13/2017 12:06	0.73	0	0.21	0	0	0	0	0	0	1	0	1	0	0.88	0	137.311	4.88	0.835	1.662	
C171	454.2	4/13/2017 17:34	2.97	0.02	0.2	0	0	0	0	0	0	1	0	1	0	0.5	0	64.076	90.61	1.033	5.013	Balcones
C172	739.24	4/13/2017 12:16	6.96	0	0.13	0	0	0	0	0	0	1	0	0.03	0.97	0.03	0	121.189	528.49	60.574	1.399	
C173	99.08	4/13/2017 12:18	0.89	0.46	0.89	0	0.01	0.01	7.09	0.01	0.01	1	0	1	0	0.77	0	186.283	174.65	6.391	0.567	
C175	37.49	4/13/2017 12:11	9.31	0.01	0.13	0	0	0	0	0	0	1	0.98	0	0	0	0	13.1	166.62	14.97	0.225	
C178	141.01	4/13/2017 12:14	5.21	0	0.06	0	0	0	0	0	0	1	0	0	1	0.11	0	51.269	241.71	9.782	0.583	
C179_2	10.99	4/13/2017 12:00	1.26	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	38.524	5.75	0.476	1.911	
C18	405.83	4/13/2017 14:28	3.08	0.01	0.16	0	0	0	0	0	0	1	0	1	0	1	0	114.914	618.01	24.663	0.657	Post Oak
C181	17.02	4/13/2017 12:09	7.47	0.13	0.22	0	0	0	0	0	0	1	0	0	1	0	0	0	11.6	1.712	1.467	
C182	734.05	4/13/2017 12:14	3.24	0.01	0.14	0	0	0	0	0	0	1	0	1	0	0.99	0	126.144	516.37	59.748	1.422	
C187	36.55	4/13/2017 12:24	1.61	0	0.04	0	0	0	0	0	0	1	0	1	0	0	0	45.068	1355.07	28.491	0.027	Unnamed Tributary
C188	26.74	4/13/2017 12:06	7.73	0.21	0.29	0	0	0	0	0	0	1	0	0.81	0.19	0.86	0	0	17.87	2.405	1.496	
C19	405.91	4/13/2017 14:27	2.98	0.02	0.18	0	0	0	0	0	0	1	0	1	0	0	0	113.662	606.91	24.663	0.669	Post Oak
C190	58.52	4/13/2017 12:08	8.24	0.44	0.59	0	0.01	0.01	0.01	0.36	0.01	1	0	0	1	0	0	0	50.9	4.137	1.15	
C191	111.01	4/13/2017 12:07	1.19	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	282.534	166.63	6.317	0.666	
C192	454.43	4/13/2017 17:32	3.7	0.02	0.2	0	0	0	0	0	0	1	0	1	0	1	0	56.783	83.18	0.991	5.463	Balcones
C193	527.16	4/13/2017 12:16	4.28	0.01	0.11	0	0	0	0	0	0	1	0	1	0	0	0	64.983	402.44	50.036	1.31	
C194	80.42	4/13/2017 12:23	2.92	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	29.276	160.74	13.189	0.5	
C195	26.73	4/13/2017 12:06	1.47	0	0.2	0	0	0	0	0	0	1	0	0.17	0.83	0.1	0	72.73	17.87	2.405	1.496	
C195_1MAS	123.31	4/13/2017 12:13	3.57	0.04	0.24	0	0	0	0	0	0	1	0	1	0	1	0	40.417	210.93	7.99	0.585	
C195_2MAS	141.07	4/13/2017 12:13	4.73	0.01	0.14	0	0	0	0	0	0	1	0	0.96	0.04	0	0	47.623	241.71	9.782	0.584	
C196	113.63	4/13/2017 12:09	3.48	0.01	0.09	0	0	0	0	0	0	1	0	1	0	0	0	89.94	163.2	6.011	0.696	
C198	83.37	4/13/2017 12:05	1.84	0.01	0.2	0	0	0	0	0	0	1	0	1	0	0.22	0	126.133	142.79	5.198	0.584	
C2	343.37	4/13/2017 13:11	4.05	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	87.245	2161.03	61.437	0.159	Unnamed Tributary
C20	405.92	4/13/2017 14:26	3.95	0.06	0.25	0	0	0	0	0	0	1	0	1	0	0	0	53.195	597.72	24.663	0.679	Post Oak
C201	31.4	4/13/2017 12:09	4.27	0.03	0.19	0	0	0	0	0	0	1	0	0.98	0.02	1	0	0	120.91	18.56	0.26	
C202	454.46	4/13/2017 17:31	3.57	0.01	0.12	0	0	0	0	0	0	1	0	1	0	0.45	0	78.796	83.18	0.991	5.464	Balcones
C203_1	67.96	4/13/2017 12:09	4.52	0	0.08	0	0	0	0	0	0	1	0	0.98	0.02	0	0	26.212	182.96	13.215	0.371	
C203_2	70.61	4/13/2017 12:10	3.71	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	42.078	193.25	13.502	0.365	
C205	12.54	4/13/2017 12:40	6.75	0.6	0.57	0	0.01	2.15	0.01	0.01	0.01	1	0	0	1	0	0	0	32.1	1.839	0.391	
C206_2	123.65	4/13/2017 12:12	3.11	0.08	0.32	0	0	0	0	0	0	1	0	1	0	0	0	90.668	210.93	7.99	0.586	
C208	316.2	4/13/2017 12:19	10.27	0.58	0.52	0	0.01	0.01	0.01	0.79	0.01	1	0	0	1	0	0	0	273.04	25.157	1.158	
C209	31.31	4/13/2017 12:05	8.77	0.21	0.3	0	0	0	0	0	0	1	0	0.28	0.72	0.81	0	0	20.48	2.44	1.529	
C21	25.84	4/13/2017 12:07	0.08	0	0.14	0	0	0	0	0	0	1	0	1	0	0	0	623.816	55.76	3.131	0.463	
C211	28.83	4/13/2017 13:58	0.99	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	79.085	1338.37	27.806	0.022	Unnamed Tributary
C212	61.27	4/13/2017 12:06	0.76	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	185.457	171.23	11.847	0.358	
C213	80.87	4/13/2017 12:22	3.02	0	0.11	0	0	0	0	0	0	1	0	1	0	0.75	0	24.695	152.87	11.746	0.529	
C214	316.71	4/13/2017 12:16	7.25	0	0.08	0	0	0	0	0	0	1	0	0	1	0	0	66.305	264.48	23.894	1.197	
C218	28.71	4/13/2017 13:56	1.27	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	95.788	1333.52	27.051	0.022	Unnamed Tributary
C219	40.34	4/13/2017 12:01	1.43	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	67.569	23.46	2.514	1.72	
C22	405.91	4/13/2017 14:23	4.05	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	51.156	561.59	23.502	0.723	Post Oak
C220	69.71	4/13/2017 12:00	1.6	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	132.189	128.98	5.198	0.54	
C221	16.3	4/13/2017 12:12	2.8	1.39	1	0	11.66	11.79	11.66	0.52	0.04	1	0	0.51	0	0	0	0	63.59	3.676	0.256	
C223	105.83	4/13/2017 12:15	1.62	0.01	0.12	0	0	0	0	0	0	1	0	1	0	1	0	87.549	111.87	12.188	0.946	
C229	107.24	4/13/2017 12:12	2.34	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	193.275	140.69	9.875	0.762	
C23	55.1	4/13/2017 12:00	1.63	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	70.112	19.6	1.215	2.811	
C23_1MAS	10.03	4/13/2017 12:42	3.34	1.35	1	0	1	1.55	1	1.37	1	1	0	1	0	0.11	0	0	17.81	0.868	0.563	

Conduits SWMM 2-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C23_2MAS	11.9	4/13/2017 12:26	4.2	1.59	0.95	0	0.01	1.66	0.01	1.68	0.01	1	0	1	0	0.04	0	0	21.93	1.36	0.543	
C23_3MAS	11.92	4/13/2017 12:24	0.66	0.01	0.39	0	0	0	0	0	0	1	0	1	0	0.74	0	43.471	21.93	1.36	0.544	
C23_5MAS	12.66	4/13/2017 12:20	0.78	0.02	0.29	0	0	0	0	0	0	1	0	1	0	0.7	0	27.575	23.2	1.538	0.546	
C230	5.69	4/13/2017 12:53	6.36	0.42	0.52	0	0	0	0	0	0	1	0	0	1	0.03	0	0	11.35	0.809	0.501	
C232	21.44	4/13/2017 12:07	10.22	0.27	0.34	0	0	0	0	0	0	1	0	0	1	0	0	0	57.85	5.703	0.371	
C233	27.71	4/13/2017 12:00	16.34	1.07	0.59	0	0.01	0.14	0.01	0.15	0.01	1	0	0.05	0.95	0.05	0	0	17.88	0.594	1.55	
C234	105.11	4/13/2017 12:14	5.08	0	0.06	0	0	0	0	0	0	1	0	0.92	0.08	0.01	0	35.289	105.77	10.988	0.994	
C237	306.05	4/13/2017 12:12	8.68	0.49	0.79	0	0	0	0	0	0	1	0	1	0	0.87	0	0	248.91	22.713	1.23	
C238	32.64	4/13/2017 12:30	0.53	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	104.298	49.09	2.452	0.665	
C23MAS	0.5	4/13/2017 0:00	0.53	0	0.02	0	0	0	0	0	0	1	0	0.07	0	0.05	0	37.28	12.31	0.763	0.041	
C24	1830.26	4/13/2017 16:45	4.18	0.01	0.17	0	0	0	0	0	0	1	0	1	0	0.01	0	241.929	2501.97	223.678	0.732	Cibolo
C240	5.09	4/13/2017 13:46	5.09	0.66	0.55	0	0.01	2.8	0.01	0.01	0.01	1	0	0.06	0.94	0	0	0	11.35	0.809	0.448	
C241_1	454.38	4/13/2017 17:30	3.02	0	0.09	0	0	0	0	0	0	1	0	1	0	0.96	0	128.356	0	0	0	Balcones
C241_2	454.3	4/13/2017 17:31	3.29	0	0.08	0	0	0	0	0	0	1	0	1	0	0.48	0	114.472	20.28	0.046	22.401	Balcones
C244	105.12	4/13/2017 12:14	11.93	0.13	0.28	0	0	0	0	0	0	1	0	0	1	0	0	0	105.77	10.988	0.994	
C245	16.24	4/13/2017 13:50	1.32	0.06	0.47	0	0	0	0	0	0	1	0	1	0	0	0	0	123.84	10.356	0.131	
C245_1	154.86	4/13/2017 12:10	4.55	0.01	0.09	0	0	0	0	0	0	1	0	1	0	0	0	50.19	133.47	8.332	1.16	
C245_2	130.25	4/13/2017 12:04	9.11	0.08	0.25	0	0	0	0	0	0	1	0	0.64	0.36	0.93	0	0	133.47	8.332	0.976	
C246	5.69	4/13/2017 12:54	0.4	0	0.23	0	0	0	0	0	0	1	0	1	0	1	0	80.746	11.35	0.809	0.501	
C249	237.04	4/13/2017 12:09	1.76	0	0.2	0	0	0	0	0	0	1	0	1	0	1	0	180.985	129.4	24.88	1.832	
C252	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	17.65	2.83	0	
C253	33.08	4/13/2017 12:15	1.54	0	0.15	0	0	0	0	0	0	1	0	1	0	0.99	0	81.461	1127.09	19.704	0.029	Unnamed Tributary
C254	101.94	4/13/2017 12:11	2.79	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	36.524	100.75	10.433	1.012	
C256	98.94	4/13/2017 12:10	0.54	0	0.02	0	0	0	0	0	0	1	0	1	0	0	0	204.407	97.81	9.889	1.012	
C259	86.75	4/13/2017 12:06	2.86	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	42.477	123.33	7.042	0.703	
C26	407.32	4/13/2017 14:18	4.92	0	0.06	0	0	0	0	0	0	1	0	1	0	0.73	0	46.54	537.16	23.499	0.758	Post Oak
C261	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.65	1	0	0	0	0	0	59.69	5.597	0	
C264	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	3.51	1	0	0	0	0	0	28.26	1.431	0	
C266	232.1	4/13/2017 12:09	4.44	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	68.463	125.32	24.382	1.852	
C267	275.71	4/13/2017 12:12	3.62	0.01	0.24	0	0	0	0	0	0	1	0	1	0	0.04	0	83.503	219.11	18.599	1.258	
C27	406.78	4/13/2017 14:15	2.35	0.02	0.19	0	0	0	0	0	0	1	0	1	0	0.8	0	122.199	508.79	21.167	0.8	Post Oak
C271	17.62	4/13/2017 12:21	0.88	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	53.505	51.82	0.59	0.34	
C272_1MAS	16.9	4/13/2017 12:08	0.25	0	0.25	0	0	0	0	0	0	1	0	1	0	1	0	112.552	41.53	2.987	0.407	
C273	22.6	4/13/2017 12:21	1.47	0	0.02	0	0	0	0	0	0	1	0	0	0	0	0	123.099	132.63	8.743	0.17	
C274	76.22	4/13/2017 12:07	4.72	0	0.07	0	0	0	0	0	0	1	0	0.95	0.05	1	0	26.867	109.68	5.121	0.695	
C275	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	10.33	1.147	0	
C276	5.84	4/13/2017 12:29	0.76	0	0.21	0	0	0	0	0	0	1	0	1	0	1	0	42.691	11.35	0.809	0.515	
C277	37.34	4/13/2017 12:01	3.19	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	49.536	17.86	1.982	2.091	
C278	37.32	4/13/2017 12:01	1.76	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	39.407	17.86	1.982	2.09	
C279	27.89	4/13/2017 12:24	0.61	0	0.07	0	0	0	0	0	0	1	0	1	0	0	0	91.817	1121.15	19.701	0.025	Unnamed Tributary
C28	1828.86	4/13/2017 16:44	2.41	0.01	0.13	0	0	0	0	0	0	1	0	1	0	0.47	0	257.493	2385.35	211.463	0.767	Cibolo
C281_1	47.06	4/13/2017 12:35	0.33	0	0.2	0	0	0	0	0	0	1	0	1	0	0	0	264.96	77.13	4.449	0.61	
C281_2	44.7	4/13/2017 12:45	3.9	0.33	0.53	0	0.01	0.01	0.01	0.02	0.01	1	0	1	0	0	0	0	77.13	4.449	0.58	
C2812MAS_1	63.21	4/13/2017 12:06	2.83	0.01	0.1	0	0	0	0	0	0	1	0	1	0	0.98	0	60.363	47.46	3.25	1.332	
C2812MAS_2	67.6	4/13/2017 12:10	1.47	0.01	0.17	0	0	0	0	0	0	1	0	1	0	1	0	75.905	53.37	3.657	1.267	
C284	5.85	4/13/2017 12:29	5.6	1.1	0.57	0	0.01	2.29	0.01	1.25	0.01	1	0	0.04	0.96	0	0	0	11.35	0.809	0.515	
C285	260.06	4/13/2017 12:09	3.67	0	0.06	0	0	0	0	0	0	1	0	1	0	0.96	0	141.588	204.41	17.113	1.272	
C287	92.96	4/13/2017 12:05	2.93	0.01	0.18	0	0	0	0	0	0	1	0	1	0	1	0	29.988	147.44	11.763	0.63	
C288	95.11	4/13/2017 12:07	1.73	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	94.55	92.88	9.508	1.024	
C29	1826.68	4/13/2017 16:42	2.94	0.02	0.11	0	0	0	0	0	0	1	0	1	0	0	0	181.07	2232.33	191.465	0.818	Cibolo
C292	16.69	4/13/2017 13:01	0.12	0	0.08	0	0	0	0	0	0	1	0	1	0	0	0	226.35	88.12	5.594	0.189	
C294	54.83	4/13/2017 12:27	0.61	0	0.17	0	0	0	0	0	0	1	0	1	0	0.85	0	193.47	77.13	4.449	0.711	
C295	17.64	4/13/2017 12:20	1.76	0.02	0.15	0	0	0	0	0	0	1	0	1	0	0	0	23.979	51.21	0.59	0.344	
C298	26.57	4/13/2017 12:55	0.88	0.01	0.08	0	0	0	0	0	0	1	0	1	0	0	0	118.118	109.77	3.918	0.242	
C3	12.08	4/13/2017 12:00	0.44	0	0.22	0	0	0	0	0	0	1	0	1	0	1	0	81.032	10.23	0.704	1.181	
C302	89.58	4/13/2017 12:08	8.81	0	0.07	0	0	0	0	0	0	1	0	0	1	0	0	22.147	87.56	9.323	1.023	
C303	211.02	4/13/2017 12:08	2.68	0	0.06	0	0	0	0	0	0	1	0	0.19	0.81	0.12	0	130.85	108.66	20.725	1.942	
C304	25.02	4/13/2017 11:59	0.44	0.01	0.68	0	0	0	0	0	0	1	0	1	0	0.89	0	361.482	11.35	0.809	2.204	
C307	35.36	4/13/2017 12:00	7.06	1.13	0.81	0	0.01	0.06	0.01	0.12	0.01	1	0	0.98	0.02	0	0	0	12.26	1.413	2.884	
C308	251.68	4/13/2017 12:10	2.83	0	0.05	0	0	0	0	0	0	1	0	0.35	0.65	0.27	0	109.768	195.8	16.616	1.285	
C309	35.04	4/13/2017 12:25	0.14	0	0.16	0	0	0	0	0	0	1	0	1	0	0.81	0	432.599	71.37	5.124	0.491	
C31	399.7	4/13/2017 14:12	3.06	0.01	0.16	0	0	0	0	0	0	1	0	1	0	1	0	108.361	42.5	1.316	9.405	Post Oak
C313	17.78	4/13/2017 12:18	1.76	0.01	0.26	0	0	0	0	0	0	1	0	1	0	1	0	24.74	46.86	0.59	0.379	
C314	86.15	4/13/2017 12:08	4.47	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	27.315	79.83	8.432	1.079	
C316	29.05	4/13/2017 12:08	1.95	0	0.04	0	0	0	0	0	0	1	0	1	0	0.99	0	62.755	120.28	7.093	0.242	
C318	22.94	4/13/2017 12:03	8.37	0.22	0.41	0	0	0	0	0	0	1	0	0	1	0	0	0	12.26	1.413	1.871	
C319	140.61	4/13/2017 12:03	0.76	0	0.1	0	0	0	0	0	0	1	0	1	0	0.96	0	101.669	89.65	5.747	1.568	
C32	399.84	4/13/2017 14:10	2.03	0.03	0.2	0	0	0	0	0	0	1	0	1	0	0	0	180.36	42.5	1.316	9.408	Post Oak
C322	7.37	4/13/2017 12:01	0.49	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	110.212	693.14	41.121	0.011	
C324	2.5	4/13/2017 0:00	0.02	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	255.939	40.02	1.275	0.062	
C327	177.68	4/13/2017 12:08	8.11	0.63	0.51	0	0.01	0.01	0.01	0.71	0.01	1	0	0	1	0	0	0	86.23	7.185	2.061	
C327_1	222.64	4/13/2017 12:02	1.24	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	132.444	104.93	20.288	2.122	
C327_2	206.43	4/13/2017 12:08	9.79	0.51	0.55	0	0.01	0.01	0.01	0.4	0.01	1	0	0	1	0	0	0	104.93	20.288	1.967	

Conduits SWMM 2-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C33	86.16	4/13/2017 12:08	10.86	0.5	0.55	0	0.01	0.01	0.01	0.05	0.01	1	0	0	1	0	0	0	79.83	8.432	1.079	
C331	18.06	4/13/2017 12:13	0.59	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	153.476	44.15	0.59	0.409	
C332	15.99	4/13/2017 12:05	0.77	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	111.255	112.07	6.922	0.143	
C333	5.09	4/13/2017 13:47	1.06	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	35.809	11.35	0.809	0.448	
C336MAS_1	7.16	4/13/2017 12:07	0.41	0	0.04	0	0	0	0	0	0	1	0	1	0	0.99	0	125.191	31.78	2.037	0.225	
C336MAS_2	7.56	4/13/2017 12:15	0.38	0	0.04	0	0	0	0	0	0	1	0	1	0	0.06	0	125.191	33.39	2.295	0.226	
C337	10.46	4/13/2017 12:23	0.45	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	177.506	64.28	3.59	0.163	
C338	237.13	4/13/2017 12:06	4.58	0	0.09	0	0	0	0	0	0	1	0	1	0	0.97	0	54.889	109.92	9.675	2.157	
C34	1826.57	4/13/2017 16:39	4.15	0	0.12	0	0	0	0	0	0	1	0	1	0	0	0	139.909	2181.01	185.82	0.837	Cibolo
C344	22.16	4/13/2017 12:22	8.14	0.3	0.42	0	0	0	0	0	0	1	0	0	1	0	0	0	25.46	3.457	0.87	
C345	16.24	4/13/2017 13:52	0.57	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	169.971	123.84	10.356	0.131	
C347	213.17	4/13/2017 12:03	9.71	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	39.44	100.39	19.68	2.123	
C349	10.85	4/13/2017 12:18	0.98	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	69.808	62	3.587	0.175	
C355	33.52	4/13/2017 12:16	8.17	0.15	0.22	0	0	0	0	0	0	1	0	0	1	0	0	0	30.38	2.581	1.103	
C355_1	50.81	4/13/2017 12:22	1.47	0	0.23	0	0	0	0	0	0	1	0	1	0	1	0	45.29	57.98	2.554	0.876	
C355_3	52.75	4/13/2017 12:25	7.21	0.31	0.53	0	0	0	0	0	0	1	0	0.05	0.95	0	1	0	63.54	3.179	0.83	
C355_4	59.96	4/13/2017 12:26	4.63	0	0.15	0	0	0	0	0	0	1	0	0.98	0.02	0.13	0	39.993	77.13	4.449	0.777	
C358	5.09	4/13/2017 13:48	0.19	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	86.839	11.35	0.809	0.448	
C359_2MAS	4.14	4/13/2017 12:22	1.02	0	0.07	0	0	0	0	0	0	1	0	1	0	0	0	27.58	30.31	1.951	0.137	
C360	200.75	4/13/2017 12:03	6.37	0	0.06	0	0	0	0	0	0	1	0	0	1	0.16	0	39.119	94.13	18.052	2.133	
C362	27.19	4/13/2017 12:19	0.24	0	0.29	0	0	0	0	0	0	1	0	1	0	0.73	0	373.517	23.96	0.004	1.135	
C364	35.04	4/13/2017 12:22	2.49	0	0.02	0	0	0	0	0	0	1	0	0.23	0.77	0.19	0	48.914	68.95	5.012	0.508	
C365	122.13	4/13/2017 12:04	11.71	0.19	0.32	0	0	0	0	0	0	1	0	0.33	0.67	0.83	0	0	61.04	5.874	2.001	
C367	194.89	4/13/2017 12:03	12.42	0.15	0.3	0	0	0	0	0	0	1	0	0	1	0.96	0	0	90.95	17.282	2.143	
C368	105.48	4/13/2017 12:00	2.51	0	0.17	0	0	0	0	0	0	1	0	1	0	0.06	0	102.376	62.03	6.97	1.7	
C369	30.85	4/13/2017 12:13	1.12	0	0.05	0	0	0	0	0	0	1	0	1	0	0.98	0	191.601	29.96	2.065	1.03	
C37	78.62	4/13/2017 12:07	0.91	0	0.09	0	0	0	0	0	0	1	0	1	0	0.96	0	91.854	72.19	7.265	1.089	
C370	2.9	4/13/2017 12:06	0.34	0	0.01	0	0	0	0	0	0	1	0	1	0	0.21	0	178.649	36.79	1.257	0.079	
C371	11.79	4/13/2017 12:05	0.2	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	229.651	7.36	0.133	1.602	
C372	105.87	4/13/2017 12:06	4.06	0.01	0.2	0	0	0	0	0	0	1	0	1	0	1	0	35.033	97.32	10.094	1.088	
C375	24.99	4/13/2017 12:16	0.15	0	0.22	0	0	0	0	0	0	1	0	1	0	1	0	215.719	21.1	0.504	1.184	
C376	8.53	4/13/2017 12:00	0.84	0	0.04	0	0	0	0	0	0	1	0	0.21	0.79	0	0	69.804	108.49	6.603	0.079	
C379	6.15	4/13/2017 12:01	0.2	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	132.52	70.19	4.182	0.088	
C38	1813	4/13/2017 16:35	3.84	0.03	0.15	0	0	0	0	0	0	1	0	1	0	0	0	239.486	1458.2	102.249	1.243	Cibolo
C380	181.77	4/13/2017 12:02	2.44	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	116.175	104.32	17.075	1.742	
C381	11.24	4/13/2017 12:14	0.5	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	165.161	55.65	3.587	0.202	
C382	4.2	4/13/2017 12:00	1.03	0	0.02	0	0	0	0	0	0	1	0	0.06	0.94	0	0	71.392	2.24	0.032	1.875	
C383	2.88	4/13/2017 12:00	5.31	0.53	0.59	0	0.01	24	0.01	0.15	0.01	1	0	0	1	0	0	0	61.67	3.56	0.047	
C384_1	114.59	4/13/2017 12:01	2.44	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	42.911	75.2	4.602	1.524	
C384_2	135.42	4/13/2017 12:03	2.29	0.03	0.08	0	0	0	0	0	0	1	0	1	0	0	0	48.618	86.64	5.604	1.563	
C385	3.27	4/13/2017 12:25	0.5	0	0.07	0	0	0	0	0	0	1	0	1	0	0.63	0	187.724	16.68	0.004	0.196	
C390_2	17.64	4/13/2017 12:19	0.42	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	48.888	42.37	4.096	0.416	
C390_3	20.75	4/13/2017 12:08	1.45	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	38.259	42.37	4.096	0.49	
C390_4	17.71	4/13/2017 12:18	10.93	0.07	0.19	0	0	0	0	0	0	1	0	0	1	0	0	0	42.37	4.096	0.418	
C3932MAS	7.67	4/13/2017 12:02	0.91	0	0.07	0	0	0	0	0	0	1	0	0.03	0	0	0	85.276	25.95	1.79	0.296	
C394	6.83	4/13/2017 11:55	1.33	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	40.817	66.22	4.176	0.103	
C395	180.67	4/13/2017 12:06	4.6	0	0.05	0	0	0	0	0	0	1	0	0.97	0.03	0.34	0	69.145	89.02	8.429	2.03	
C399	109.9	4/13/2017 12:02	4.48	0	0.1	0	0	0	0	0	0	1	0	1	0	0	0	21.654	221.24	22.866	0.497	
C3MAS	7.92	4/13/2017 12:38	2.95	0.57	0.94	0	0.01	0.01	4.69	0.01	0.01	1	0	1	0	0	0	0	41.53	2.987	0.191	
C4	390.9	4/13/2017 15:20	2.87	0	0.21	0	0	0	0	0	0	1	0	1	0	1	0	54.361	3151.85	232.619	0.124	Post Oak
C40	203.76	4/13/2017 13:19	4.69	0.18	0.95	0	0.01	0.01	5.21	0.01	0.01	1	0	0.82	0.18	0	0	0	1458.2	102.249	0.14	Cibolo
C400	86.94	4/13/2017 12:00	3.45	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	64.856	52.61	5.548	1.653	
C401	30.93	4/13/2017 12:00	1.47	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	37.268	21.19	2.268	1.46	
C402_1	122.62	4/13/2017 12:05	4.74	0	0.1	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	43.818	68.68	9.227	1.785	
C402_2	150.25	4/13/2017 12:07	2.1	0.01	0.2	0	0	0	0	0	0	1	0	1	0	1	0	66.183	102.56	13.732	1.465	
C403	41.39	4/13/2017 12:17	3.75	0.02	0.21	0	0	0	0	0	0	1	0	0.97	0.03	0.03	0	21.701	58.73	6.107	0.705	
C405	26.33	4/13/2017 12:03	6.87	0.21	0.32	0	0	0	0	0	0	1	0	0.21	0.79	0.88	0	0	21.19	2.268	1.243	
C407	69.32	4/13/2017 12:09	0.72	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	217.857	44.22	0.646	1.568	
C407_2	48.63	4/13/2017 12:22	4.41	0	0.11	0	0	0	0	0	0	1	0	1	0	0	0	15.138	54.79	2.29	0.888	
C409	26.69	4/13/2017 12:13	1.35	0	0.05	0	0	0	0	0	0	1	0	0.24	0.76	0.03	0	112.848	21.1	0.504	1.265	
C41	343.37	4/13/2017 13:11	3.26	0.01	0.12	0	0	0	0	0	0	1	0	1	0	0	0	73.718	2151.6	61.133	0.16	Unnamed Tributary
C410MAS	3.99	4/13/2017 12:00	0.94	0.01	0.2	0	0	0	0	0	0	1	0	1	0	0.01	0	36.304	24.21	1.67	0.165	
C415_1	16.97	4/13/2017 12:19	1.67	0	0.04	0	0	0	0	0	0	1	0	1	0	0	0	28.627	33.96	2.599	0.5	
C415_2	18.39	4/13/2017 12:19	0.56	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	49.889	36.46	2.87	0.504	
C416	224.71	4/13/2017 12:00	3.71	0.01	0.2	0	0	0	0	0	0	1	0	1	0	1	0	86.523	77.66	6.559	2.894	
C42	1813.52	4/13/2017 16:32	4.92	0.03	0.16	0	0	0	0	0	0	1	0	1	0	0	0	243.084	1458.2	102.249	1.244	Cibolo
C420	26.11	4/13/2017 12:03	4.41	0	0.12	0	0	0	0	0	0	1	0	0.21	0.79	0	0	20.687	21.19	2.268	1.232	
C422	70.71	4/13/2017 12:00	3.36	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	25.523	56.35	9.165	1.255	
C425	34.69	4/13/2017 12:21	2.22	0	0.14	0	0	0	0	0	0	1	0	0.98	0.02	1	0	141.96	56.32	4.431	0.616	
C429	225.34	4/13/2017 12:05	13.14	0.28	0.45	0	0	0	0	0	0	1	0	0	1	0	0	0	101.24	8.943	2.226	
C43	1813.49	4/13/2017 16:31	2.79	0.01	0.08	0	0	0	0	0	0	1	0	1	0	0	0	254.466	1440.67	100.39	1.259	Cibolo
C430	149.03	4/13/2017 12:04	3.42	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	57.962	67.53	11.548	2.207	
C432	316.15	4/13/2017 12:20	3.08	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	75.228	273.04	25.157	1.158	

Conduits SWMM 2-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C434	1.5	4/13/2017 0:00	0.44	0	0.02	0	0	0	0	0	0	1	0	1	0	0	0	33.945	25.3	1.137	0.059	
C435	70.97	4/13/2017 12:00	5.13	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	52.176	56.35	9.165	1.259	
C436	15.05	4/13/2017 12:13	1.68	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	24.154	22.65	1.858	0.664	
C438	116.02	4/13/2017 12:03	2.4	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	87.762	60.86	7.224	1.906	
C439_2	2198.04	4/13/2017 15:25	3.18	0.02	0.15	0	0	0	0	0	0	1	0	1	0	0	0	158.539	3588.22	274.537	0.613	Cibolo
C439_3	2196.61	4/13/2017 15:28	3.32	0.02	0.14	0	0	0	0	0	0	1	0	1	0	0	0	153.578	3605.21	275.709	0.609	Cibolo
C439_4	2196.41	4/13/2017 15:29	3.79	0.01	0.13	0	0	0	0	0	0	1	0	1	0	0	0	152.651	3611.78	275.722	0.608	Cibolo
C439_5	2196.84	4/13/2017 15:27	3.24	0.02	0.15	0	0	0	0	0	0	1	0	1	0	0	0	158.539	3597.99	275.558	0.611	Cibolo
C44	343.43	4/13/2017 13:10	1.78	0.12	0.25	0	0	0	0	0	0	1	0	1	0	0	0	126.649	2144.74	60.943	0.16	Unnamed Tributary
C440MAS	2199.36	4/13/2017 15:31	4.51	0.02	0.14	0	0	0	0	0	0	1	0	1	0	0	0	205.244	3874.93	293.395	0.568	Cibolo
C441	10.63	4/13/2017 12:07	6.62	0.41	0.53	0	0	0	0	0	0	1	0	0	1	0	0.98	0	15.54	1.258	0.684	
C442	158.9	4/13/2017 12:01	14.43	0	0.07	0	0	0	0	0	0	1	0	0	1	0.01	0	80.337	91.07	15.037	1.745	
C445	22.07	4/13/2017 12:24	2.9	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	58.761	25.46	3.457	0.867	
C446	40.93	4/13/2017 12:00	4.76	0	0.03	0	0	0	0	0	0	1	0	0.77	0.23	0.82	0	17.65	36	2.727	1.137	
C45	11.27	4/13/2017 12:03	6.63	0.08	0.18	0	0	0	0	0	0	1	0	0	1	0	0	0	6.37	1.005	1.769	
C450	69.55	4/13/2017 12:00	4.92	0	0.06	0	0	0	0	0	0	1	0	0.04	0.96	0.05	0	24.923	66.59	4.628	1.044	
C455_2	34.14	4/13/2017 12:05	1.35	0.01	0.14	0	0	0	0	0	0	1	0	1	0	0.06	0	214.317	25.09	1.179	1.361	
C457	66.52	4/13/2017 12:00	3.14	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	53.308	41.06	4.202	1.62	
C458_1	63.19	4/13/2017 12:02	2.72	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	29.724	50.9	4.137	1.241	
C458_2	58.04	4/13/2017 12:09	1.47	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	152.907	50.9	4.137	1.14	
C459	102.55	4/13/2017 12:13	0.77	0	0.14	0	0	0	0	0	0	1	0	1	0	0	0	88.452	102.76	10.589	0.998	
C46	343.82	4/13/2017 13:08	2.5	0.01	0.21	0	0	0	0	0	0	1	0	1	0	1	0	128.848	2133.03	60.405	0.161	Unnamed Tributary
C462	76.43	4/13/2017 12:01	2.97	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	41.063	41.92	5.06	1.823	
C464	52.75	4/13/2017 12:00	2.61	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	38.017	23.72	3.128	2.224	
C464_1	198.02	4/13/2017 12:02	1.79	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	121.055	74.84	7.158	2.646	
C465	318.24	4/13/2017 12:18	1.42	0.01	0.18	0	0	0	0	0	0	1	0	1	0	0.98	0	136.768	273.04	25.157	1.166	
C467	50.54	4/13/2017 12:07	0.55	0	0.12	0	0	0	0	0	0	1	0	1	0	0	0	265.195	50.69	2.464	0.997	
C469	55.98	4/13/2017 12:01	1.65	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	89.832	43.69	7.472	1.281	
C47	10.91	4/13/2017 12:05	0.41	0	0.22	0	0	0	0	0	0	1	0	1	0	1	0	159.996	6.37	1.005	1.713	
C473	49.59	4/13/2017 12:01	0.59	0	0.1	0	0	0	0	0	0	1	0	1	0	0.94	0	253.46	47.1	2.716	1.053	
C474	50.53	4/13/2017 12:00	4.12	0	0.03	0	0	0	0	0	0	1	0	0.04	0.96	0.98	0	36.041	31.22	3.218	1.619	
C475	129.9	4/13/2017 12:00	1.38	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	77.511	46.02	4.611	2.823	
C479	106.12	4/13/2017 12:02	2.66	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	86.512	50.35	6.582	2.108	
C48	343.91	4/13/2017 13:07	2.27	0.02	0.17	0	0	0	0	0	0	1	0	1	0	0	0	124.982	2130.18	60.328	0.161	Unnamed Tributary
C480	56.46	4/13/2017 12:00	4.7	0	0.02	0	0	0	0	0	0	1	0	0	1	0	0	39.427	43.69	7.472	1.292	
C481	105.64	4/13/2017 12:16	13.74	0.12	0.26	0	0	0	0	0	0	1	0	0	1	0	0	0	111.87	12.188	0.944	
C482	13	4/13/2017 12:10	1.12	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	32.647	16.41	2.581	0.792	
C483	3.6	4/13/2017 12:16	0.82	0	0.01	0	0	0	0	0	0	1	0	0.99	0.01	0.95	0	50.842	4.29	0	0.839	
C484	56.84	4/13/2017 12:00	2.24	0	0.09	0	0	0	0	0	0	1	0	1	0	0.96	0	103.944	29.92	3.863	1.9	
C486	202.8	4/13/2017 12:00	3.96	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	54.322	69.44	6.079	2.921	
C488	49.31	4/13/2017 12:01	1.31	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	95.873	38.77	3.874	1.272	
C489	54.85	4/13/2017 12:05	0.51	0	0.21	0	0	0	0	0	0	1	0	1	0	1	0	252.308	34.29	1.802	1.6	
C49	344.02	4/13/2017 13:07	2.72	0.03	0.23	0	0	0	0	0	0	1	0	1	0	0.28	0	96.268	2126.76	60.27	0.162	Unnamed Tributary
C493	130.78	4/13/2017 12:02	0.82	0	0.07	0	0	0	0	0	0	1	0	1	0	0	0	109.763	56.42	9.439	2.318	
C494	53.62	4/13/2017 12:03	1.96	0	0.06	0	0	0	0	0	0	1	0	0.25	0.75	0.46	0	115.33	32.55	0.671	1.647	
C497	105.62	4/13/2017 12:16	1.6	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	45.556	111.87	12.188	0.944	
C498	119.09	4/13/2017 12:02	1.29	0	0.15	0	0	0	0	0	0	1	0	1	0	0.98	0	104.059	58.47	5.596	2.037	
C499	178.85	4/13/2017 12:01	4.67	0	0.05	0	0	0	0	0	0	1	0	0.01	0.99	0.01	0	114.081	65.76	6.774	2.72	
C5	406.56	4/13/2017 15:02	3.51	0	0.18	0	0	0	0	0	0	1	0	1	0	0.98	0	96.125	890.28	40.185	0.457	Post Oak
C50	344.03	4/13/2017 13:06	2.77	0.01	0.18	0	0	0	0	0	0	1	0	1	0	0.94	0	98.237	2120.77	59.803	0.162	Unnamed Tributary
C502	153.79	4/13/2017 12:01	3.45	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	124.742	88.08	14.287	1.746	
C504_1	79.09	4/13/2017 12:01	1.92	0	0.1	0	0	0	0	0	0	1	0	1	0	0.99	0	140.519	33.66	1.659	2.35	
C504_2	73.77	4/13/2017 12:04	0.65	0	0.19	0	0	0	0	0	0	1	0	1	0	0.35	0	266.514	33.66	1.659	2.192	
C505	48.53	4/13/2017 12:00	1.51	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	107.582	19.23	2.117	2.524	
C506	113.56	4/13/2017 12:03	4.28	0.01	0.13	0	0	0	0	0	0	1	0	1	0	0.96	0	40.486	58.76	7.319	1.933	
C507	1514.69	4/13/2017 16:00	4.72	0.01	0.12	0	0	0	0	0	0	1	0	1	0	0.08	0	113.811	5.04	0	300.534	Cibolo
C51	344.15	4/13/2017 13:05	2.7	0.01	0.15	0	0	0	0	0	0	1	0	1	0	0.97	0	91.975	2113.44	59.649	0.163	Unnamed Tributary
C510	113.93	4/13/2017 12:00	19.33	0.16	0.26	0	0	0	0	0	0	1	0	0	1	0	0	0	39.87	3.574	2.858	
C516	39.74	4/13/2017 12:00	1.14	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	37.69	13.01	1.687	3.055	
C516_1	82.56	4/13/2017 12:15	8.03	0.38	0.49	0	0.01	0.01	0.01	0.42	0.01	1	0	0.51	0.49	0.91	0	0	67.92	5.397	1.216	
C516_2	30.69	4/13/2017 12:09	0.8	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	111.136	20.48	2.44	1.499	
C516_4	80.35	4/13/2017 12:22	0.96	0	0.4	0	0	0	0	0	0	1	0	1	0	1	0	377.661	67.92	5.397	1.183	
C518	120.54	4/13/2017 12:00	1.2	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	83.795	42.83	7.169	2.814	
C519	18.56	4/13/2017 12:02	0.91	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	142.007	20.78	2.51	0.893	
C52	344.27	4/13/2017 13:04	5.12	0	0.09	0	0	0	0	0	0	1	0	1	0	0.72	0	56.998	2110.74	59.649	0.163	Unnamed Tributary
C524	40.59	4/13/2017 12:06	2.62	0	0.04	0	0	0	0	0	0	1	0	1	0	0	0	43.759	33.88	4.505	1.198	
C53	1524.4	4/13/2017 16:37	4.75	0.04	0.25	0	0	0	0	0	0	1	0	1	0	1	0	138.574	676.02	38.467	2.255	Cibolo
C530	50.91	4/13/2017 12:00	3.87	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	45.051	40.66	6.974	1.252	
C532	14.64	4/13/2017 12:11	1.62	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	25.25	21.38	1.725	0.685	
C537	45.25	4/13/2017 12:02	2.58	0	0.03	0	0	0	0	0	0	1	0	0	0	0	0	68.645	19.23	2.117	2.353	
C538	101.3	4/13/2017 12:01	3.4	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	79.96	37.53	0.235	2.699	
C540	169.17	4/13/2017 12:01	3.29	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	104.257	61.37	6.774	2.757	
C543	66.73	4/13/2017 12:03	6.74	0	0.04	0	0	0	0	0	0	1	0	0.65	0.35	0.31	0	18.223	36.15	1.864	1.846	

Conduits SWMM 2-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C546	7.51	4/13/2017 12:10	0.95	0	0.04	0	0	0	0	0	0	1	0	1	0	0	0	71.424	24.45	2.144	0.307	
C548	11.97	4/13/2017 12:20	2.42	0	0.05	0	0	0	0	0	0	1	0	1	0	0.02	0	18.345	20.49	0.368	0.584	
C55	342.98	4/13/2017 13:03	2.54	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	143.526	2097.12	59.175	0.164	Unnamed Tributary
C551	2.1	4/13/2017 11:55	0.59	0	0.01	0	0	0	0	0	0	1	0	1	0	0.99	0	41.932	684.31	38.899	0.003	
C555	53.13	4/13/2017 12:04	1.11	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	115.213	38.17	1.47	1.392	
C556	1.83	4/13/2017 11:58	0.84	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	0	684.31	38.899	0.003	
C557	272.51	4/13/2017 12:09	3.93	0	0.12	0	0	0	0	0	0	1	0	1	0	0.02	0	132.865	215.1	18.123	1.267	
C558	4.79	4/13/2017 12:05	0.67	0	0.03	0	0	0	0	0	0	1	0	1	0	0	0	72.271	20.75	1.168	0.231	
C56	1813.58	4/13/2017 16:30	3.32	0	0.06	0	0	0	0	0	0	1	0	1	0	0.61	0	216.689	1433.62	99.695	1.265	Cibolo
C561	49.15	4/13/2017 12:05	2.89	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	95.577	30.83	1.802	1.594	
C562	406.58	4/13/2017 14:54	1.03	0.02	0.49	0	0	0	0	0	0	1	0	1	0	0	0	0	802.92	36.077	0.506	Post Oak
C563	123.04	4/13/2017 12:00	6.34	0	0.02	0	0	0	0	0	0	1	0	0	1	0.02	0	33.814	58.76	7.319	2.094	
C565	12.36	4/13/2017 12:00	0.73	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	86.228	15.44	0.684	0.801	
C568	50.92	4/13/2017 12:00	3.44	0	0.04	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	42.898	31.22	3.218	1.631	
C57	342.73	4/13/2017 13:02	2.65	0.01	0.12	0	0	0	0	0	0	1	0	1	0	0	0	134.877	2079.64	58.53	0.165	Unnamed Tributary
C571	21.52	4/13/2017 12:00	0.09	0	0.16	0	0	0	0	0	0	1	0	1	0	0	0	170.357	46.97	3.062	0.458	
C573	38.78	4/13/2017 12:03	0.97	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	133.231	27.25	2.408	1.423	
C575_1	68.67	4/13/2017 12:00	1.2	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	67.142	30.75	3.806	2.233	
C575_3	96.41	4/13/2017 12:02	9.96	0.29	0.37	0	0	0	0	0	0	1	0	0	1	0	0	0	45.91	6.038	2.1	
C575_4	96.39	4/13/2017 12:02	4.19	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	60.377	45.91	6.038	2.1	
C577	56.9	4/13/2017 12:02	0.79	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	367.659	28.37	1.711	2.006	
C58	343.16	4/13/2017 12:58	4.36	0.01	0.13	0	0	0	0	0	0	1	0	1	0	0	0	47.189	2043.21	57.208	0.168	Unnamed Tributary
C580_1	77.87	4/13/2017 12:00	2.95	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	48.14	26.27	2.992	2.964	
C580_2	251.73	4/13/2017 12:09	4.88	0	0.09	0	0	0	0	0	0	1	0	1	0	0.95	0	69.812	195.8	16.616	1.286	
C581	136.12	4/13/2017 12:01	8.69	0	0.06	0	0	0	0	0	0	1	0	0	1	0	0	54.926	79.29	13.518	1.717	
C582	31.29	4/13/2017 12:06	2.27	0	0.11	0	0	0	0	0	0	1	0	0.09	0.91	0.03	0	72.795	20.48	2.44	1.528	
C587	236.27	4/13/2017 12:31	8.26	1	0.79	0	0.01	0.14	0.01	0.01	0.01	1	0	0.92	0.08	0	0	0	243.55	22.026	0.97	
C588	8.73	4/13/2017 11:55	1.75	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	13.482	2.87	0.718	3.042	
C588MAS	94.36	4/13/2017 12:00	6.53	0	0.05	0	0	0	0	0	0	1	0	0.93	0.07	0	0	30.622	33.5	4.922	2.817	
C59	8.76	4/13/2017 12:02	0.25	0	0.19	0	0	0	0	0	0	1	0	1	0	1	0	121.082	4.72	0.099	1.856	
C59_1	338.54	4/13/2017 12:53	5.67	0	0.1	0	0	0	0	0	0	1	0	0.04	0.96	0.01	0	84.613	1990.45	52.764	0.17	Unnamed Tributary
C59_2	345.85	4/13/2017 12:53	2.18	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	120.226	2022.3	56.056	0.171	Unnamed Tributary
C590	43.15	4/13/2017 12:01	3.91	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	28.889	36.12	5.958	1.195	
C591	26.47	4/13/2017 12:11	1.25	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	106.373	18.35	0.87	1.443	
C592	57.89	4/13/2017 12:00	2.06	0	0.02	0	0	0	0	0	0	1.27	0	1	0	1	0	151.679	24.9	1.641	2.325	
C593	405.02	4/13/2017 14:36	5.55	0.67	0.5	0	0.01	0.01	0.01	3.88	0.01	1	0	1	0	0	0.02	0	643.06	25.39	0.63	Post Oak
C596	43.58	4/13/2017 12:00	0.7	0	0.18	0	0	0	0	0	0	1	0	1	0	0.94	0	245.831	24.44	3.427	1.783	
C6	406.67	4/13/2017 15:01	3.02	0.01	0.19	0	0	0	0	0	0	1	0	1	0	0.84	0	87.962	890.28	40.185	0.457	Post Oak
C60	1813.47	4/13/2017 16:29	3.6	0.41	0.2	0	0	0	0	0	0	1	0	1	0	0	0	156.705	1392.7	96.443	1.302	Cibolo
C604	14.22	4/13/2017 13:54	9.56	0.06	0.18	0	0	0	0	0	0	1	0	0	1	0	0	0	90.66	5.859	0.157	
C605	42.95	4/13/2017 12:03	1.49	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	81.371	27.47	3.808	1.564	
C606	45.58	4/13/2017 12:04	3.02	0	0.04	0	0	0	0	0	0	1	0	0.99	0.01	0	0	51.813	28.25	1.341	1.613	
C607MAS	18.37	4/13/2017 12:01	1.6	0	0.03	0	0	0	0	0	0	1	0	1	0	0.99	0	86.749	16.41	2.581	1.119	
C61	329.27	4/13/2017 12:42	1.51	0.01	0.18	0	0	0	0	0	0	1	0	1	0	1	0	165.749	1907.07	47.333	0.173	Unnamed Tributary
C611	17.68	4/13/2017 12:00	3.52	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	182.383	16.81	3.111	1.052	
C613	105.94	4/13/2017 12:00	4.01	0	0.03	0	0	0	0	0	0	1.05	0	1	0	1	0	54.127	50.69	6.821	2.09	
C614	479.45	4/13/2017 12:35	2.91	0	0.12	0	0	0	0	0	0	1	0	0.18	0.82	0.21	0	159.123	248.91	22.713	1.926	
C615	28.47	4/13/2017 12:02	2.55	0	0.02	0	0	0	0	0	0	1	0	0.98	0.02	0.77	0	64.403	24.07	1.511	1.183	
C619	56.34	4/13/2017 12:06	1.34	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	75.362	43.7	2.65	1.289	
C62	33.27	4/13/2017 12:15	1.54	0	0.02	0	0	0	0	0	0	1	0	1	0	0.01	0	132.975	25.09	1.179	1.326	
C62_1	1526.27	4/13/2017 16:30	3.84	0.02	0.18	0	0	0	0	0	0	1	0	1	0	1	0	114.056	647.82	37.727	2.356	Cibolo
C62_2	1524.55	4/13/2017 16:35	3.63	0.06	0.19	0	0	0	0	0	0	1	0	1	0	0	0	116.663	674.15	38.21	2.261	Cibolo
C621	92.49	4/13/2017 12:00	3.62	0	0.03	0	0	0	0	0	0	1	0	0.98	0.02	0.99	0	77.407	33.64	0.205	2.749	
C622	35.79	4/13/2017 12:04	2.4	0	0.04	0	0	0	0	0	0	1	0	1	0	0.93	0	65.699	21.65	0	1.653	
C623	28.52	4/13/2017 12:06	2.92	0	0.03	0	0	0	0	0	0	1	0	0.98	0.02	0.41	0	45.593	18.35	0.87	1.554	
C627	73.23	4/13/2017 12:06	1.09	0	0.06	0	0	0	0	0	0	1	0	1	0	0.9	0	222.208	44.22	0.646	1.656	
C63	66.46	4/13/2017 12:00	8.26	0.09	0.3	0	0	0	0	0	0	1	0	0	1	0	1	0	50.69	6.821	1.311	
C630	84.05	4/13/2017 12:00	2.31	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	102.637	29.05	2.632	2.893	
C631	38.92	4/13/2017 12:00	3.87	0	0.02	0	0	0	0	0	0	1	0	0	1	0	0	41.802	23	2.1	1.692	
C632	45.7	4/13/2017 12:03	2.49	0	0.13	0	0	0	0	0	0	1	0	0.08	0.92	0.08	0	62.567	28.25	1.341	1.618	
C638	54.92	4/13/2017 11:57	0.77	0	0.3	0	0	0	0	0	0	1	0	1	0	0.86	0	190.172	32.1	1.839	1.711	
C639	34.52	4/13/2017 12:00	5.19	0	0.03	0	0	0	0	0	0	1	0	0.91	0.09	1	0	13.506	12.95	0.935	2.666	
C64	86.77	4/13/2017 12:02	2.97	0.01	0.15	0	0	0	0	0	0	1	0	1	0	0	0	66.184	177.14	7.223	0.49	
C640	32.36	4/13/2017 12:00	2.39	0	0.05	0	0	0	0	0	0	1	0	0.11	0.89	0.07	0	50.155	24.67	2.91	1.312	
C642	37.96	4/13/2017 12:03	2.09	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	106.198	23.57	3.483	1.611	
C648	36.73	4/13/2017 12:03	2.31	0.01	0.08	0	0	0	0	0	0	1	0	1	0	0.94	0	40.827	21.65	0	1.697	
C65	1526.44	4/13/2017 16:28	3.81	0.01	0.14	0	0	0	0	0	0	1	0	1	0	0.64	0	141.885	647.82	37.727	2.356	Cibolo
C650	69.76	4/13/2017 12:00	2.36	0	0.06	0	0	0	0	0	0	1	0	1	0	0.99	0	111.992	28.92	1.421	2.412	
C652	88.06	4/13/2017 12:00	1.76	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	44.94	31.11	1.867	2.831	
C653	25.82	4/13/2017 12:15	2.15	0	0.04	0	0	0	0	0	0	1	0	0.07	0.93	0.02	0	57.16	26.74	2.315	0.966	
C655	15.06	4/13/2017 12:25	0.28	0	0.17	0	0	0	0	0	0	1	0	1	0	0.76	0	303.158	7.82	0.952	1.926	
C656	13.02	4/13/2017 12:03	0.26	0	0.27	0	0	0	0	0	0	1	0	1	0	1	0	182.371	17.06	0.002	0.763	
C658	59.76	4/13/2017 12:00	3.05	0	0.15	0	0	0	0	0	0	1	0	0.06	0.94	0.06	0	85.522	21.56	3.01	2.772	

Conduits SWMM 2-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C66	70.47	4/13/2017 12:03	2.19	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	62.565	166.78	6.222	0.423	
C663	21.24	4/13/2017 12:00	1.47	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	64.456	14.89	1.42	1.426	
C664	84.52	4/13/2017 12:00	4.2	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	62.422	30.33	0.2	2.787	
C665	14.22	4/13/2017 13:54	0.68	0	0.33	0	0	0	0	0	0	1	0	1	0	1	0	133.693	90.66	5.859	0.157	
C666MAS	95.59	4/13/2017 12:00	2.84	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	67.433	33.5	4.922	2.853	
C667	34.62	4/13/2017 12:00	5.05	0	0.05	0	0	0	0	0	0	1	0	0	1	0.03	0	19.551	12.95	0.935	2.673	
C67	1526.52	4/13/2017 16:28	6.19	0	0.08	0	0	0	0	0	0	1	0	1	0	0.8	0	102.709	643.05	37.727	2.374	Cibolo
C670	147.42	4/13/2017 12:00	4.22	0	0.06	0	0	0	0	0	0	1	0	0.04	0.96	0.05	0	55.941	50.13	4.88	2.941	
C675	306.69	4/13/2017 12:14	2.17	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	151.174	248.91	22.713	1.232	
C677	7.44	4/13/2017 12:06	0.62	0	0.05	0	0	0	0	0	0	1	0	1	0	0.99	0	98.728	21.67	2.118	0.343	
C679	10.9	4/13/2017 12:15	0.73	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	117.733	10.86	0.504	1.004	
C68	1526.52	4/13/2017 16:27	6.83	0.01	0.12	0	0	0	0	0	0	1	0	1	0	0.51	0	100.354	634.58	37.727	2.406	Cibolo
C680	33.81	4/13/2017 12:23	7.68	0.29	0.35	0	0	0	0	0	0	1	0	0	1	0	0	0	51.58	3.371	0.655	
C685	4	4/13/2017 12:55	5.09	0.6	0.46	0	0	0	0	0	0	1	0	0	1	0	0	0	15.82	0.944	0.253	
C686	3.69	4/13/2017 12:02	0.71	0	0.01	0	0	0	0	0	0	1	0	1	0	1	0	33.803	10.55	1.001	0.35	
C687	28.71	4/13/2017 13:55	5.71	1.15	0.65	0	0.01	6.4	0.01	12.41	0.01	1	0	0.01	0.99	0	0	0	1333.52	27.051	0.022	Unnamed Tributary
C688	39.02	4/13/2017 12:00	0.94	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	114.825	20.51	2.817	1.902	
C69	0.2	4/13/2017 12:00	2.56	0.02	0.09	0	0	0	0	0	0	1	0	0	0	0	0	0	55.08	4.06	0.004	
C69_1	28.89	4/13/2017 12:54	1.09	0.01	0.12	0	0	0	0	0	0	1	0	1	0	1	0	135.566	118.01	4.376	0.245	
C69_2	58.82	4/13/2017 12:01	1.44	0.07	0.3	0	0	0	0	0	0	1	0	1	0	1	0	107.643	160.06	5.898	0.367	
C693	18.56	4/13/2017 12:00	1.59	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	61.578	17.09	1.741	1.086	
C696	108.43	4/13/2017 12:00	4.33	0	0.03	0	0	0	0	0	0	1	0	0.98	0.02	1	0	57.735	41.11	4.341	2.638	
C697	64.99	4/13/2017 12:00	2.1	0	0.24	0	0	0	0	0	0	1	0	1	0	1	0	42.678	23.58	2.384	2.756	
C7	406.69	4/13/2017 15:00	3.46	0.01	0.16	0	0	0	0	0	0	1	0	1	0	0.84	0	60.604	890.28	40.185	0.457	Post Oak
C70	1526.31	4/13/2017 16:26	4.06	0.02	0.13	0	0	0	0	0	0	1	0	1	0	0	0	202.381	617.77	34.617	2.471	Cibolo
C701	8.2	4/13/2017 12:11	0.29	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	80.784	8.81	0	0.931	
C705	35.4	4/13/2017 12:00	1.98	0	0.03	0	0	0	0	0	0	1	0	1	0	0.87	0	76.499	17.94	2.482	1.973	
C709	16.01	4/13/2017 12:05	1.2	0	0.08	0	0	0	0	0	0	1	0	1	0	0.15	0	85.764	20.49	0.368	0.781	
C71	7.92	4/13/2017 12:00	1.57	0	0.05	0	0	0	0	0	0	1	0	0.76	0.24	1	0	39.946	2.71	0.339	2.923	
C71_1	450.73	4/13/2017 18:12	3.78	0.04	0.2	0	0	0	0	0	0	1	0	1	0	0	0	54.104	638.61	50.638	0.706	Balcones
C71_2	450.65	4/13/2017 18:13	3.25	0.03	0.23	0	0	0	0	0	0	1	0	1	0	1	0	57.102	642.07	50.665	0.702	Balcones
C71_5	455.84	4/13/2017 18:15	2.56	0.03	0.29	0	0	0	0	0	0	1	0	1	0	0.51	0	62.821	716.68	57.976	0.636	Balcones
C712	16.99	4/13/2017 12:10	1.94	0	0.11	0	0	0	0	0	0	1	0	1	0	0.02	0	53.118	11.6	1.712	1.465	
C713	84.68	4/13/2017 12:00	4.44	0	0.07	0	0	0	0	0	0	1	0	0	1	0	0	70.25	29.05	2.632	2.915	
C715	38.09	4/13/2017 12:02	4.77	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	38.133	23.57	3.483	1.616	
C716	45.78	4/13/2017 12:02	2.76	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	68.291	28.25	1.341	1.621	
C719	23.75	4/13/2017 12:00	0.79	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	67.111	10.6	1.475	2.241	
C72	260.89	4/13/2017 12:40	2.92	0.01	0.1	0	0	0	0	0	0	1	0	1	0	0	0	64.722	1666.89	37.553	0.157	Unnamed Tributary
C721	77.68	4/13/2017 12:00	5.64	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	37.318	31.55	3.457	2.462	
C722	21.64	4/13/2017 12:08	1.66	0	0.04	0	0	0	0	0	0	1	0	1	0	0.98	0	73.521	21.65	0.587	1	
C723	4.45	4/13/2017 11:55	0.69	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	52.565	4.06	0.822	1.096	
C726	76.15	4/13/2017 11:55	2.35	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	80.748	23.42	5.734	3.251	
C728	39.8	4/13/2017 12:01	0.39	0	0.07	0	0	0	0	0	0	1	0	1	0	0.98	0	204.826	20.88	1.241	1.906	
C73	450.72	4/13/2017 18:12	3.59	0.01	0.13	0	0	0	0	0	0	1	0	1	0	0	0	57.497	635.39	50.168	0.709	Balcones
C733	65.22	4/13/2017 12:00	0.51	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	163.467	21.53	2.292	3.029	
C74	2.33	4/13/2017 12:14	0.36	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	86.421	2.5	0.116	0.932	
C741	21.37	4/13/2017 12:02	2.1	0	0.03	0	0	0	0	0	0	1	0	0.03	0.97	0	0	52.069	13.41	0	1.594	
C746	38.72	4/13/2017 12:05	9.05	0.39	0.59	0	0.01	0.11	0.01	0.01	0.01	1	0	0	1	0	1	0	21.13	1.299	1.832	
C75	260.7	4/13/2017 12:37	2.2	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	86.131	1656.15	37.249	0.157	Unnamed Tributary
C750	146.13	4/13/2017 12:17	2.75	0.01	0.13	0	0	0	0	0	0	1	0	1	0	0.78	0	83.867	396.18	15.51	0.369	
C754	75.91	4/13/2017 12:00	5.62	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	32.696	26.88	2.741	2.824	
C758	62.06	4/13/2017 12:00	6.39	0	0.03	0	0	0	0	0	0	1	0	0.91	0.09	0.99	0	14.924	23.3	0.765	2.664	
C76	1526.39	4/13/2017 16:25	3.72	0.04	0.09	0	0	0	0	0	0	1	0	1	0	0	0	204.807	610.86	34.495	2.499	Cibolo
C761	17.6	4/13/2017 12:25	4.34	0.91	0.56	0	0.01	0.01	1.22	0.01	0.01	1	0	1	0	0	0	0	25.95	1.273	0.678	
C765	84.29	4/13/2017 12:00	3.23	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	57.138	30.41	3.152	2.772	
C769	35.08	4/13/2017 12:06	1.73	0	0.08	0	0	0	0	0	0	1	0	1	0	0.98	0	71.261	22.11	1.432	1.587	
C77	1526.4	4/13/2017 16:24	6.47	0	0.11	0	0	0	0	0	0	1	0	1	0	0	0	107.554	606.05	34.471	2.519	Cibolo
C771	25.93	4/13/2017 12:14	8.02	0.41	0.47	0	0	0	0	0	0	1	0	0	1	0	1	0	26.74	2.315	0.97	
C775MAS	84.3	4/13/2017 12:00	9.24	0	0.06	0	0	0	0	0	0	1	0	0	1	0	0	19.404	29.1	4.329	2.897	
C776	17.55	4/13/2017 12:29	1.78	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	46.156	25.95	1.273	0.676	
C779	27.02	4/13/2017 12:00	0.92	0	0.07	0	0	0	0	0	0	1	0	1	0	0.92	0	142.149	23.66	3.343	1.142	
C78	5.73	4/13/2017 12:01	4.57	0.68	0.67	0	0	0	0	0	0	1	0	0	0	0	0	0	22.85	2.809	0.251	
C781	78.12	4/13/2017 12:00	3.07	0	0.05	0	0	0	0	0	0	1	0	0.09	0.91	0.49	0	72.81	31.55	3.457	2.476	
C784	28.86	4/13/2017 11:55	2.24	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	55.895	16.47	3.39	1.752	
C788	43.85	4/13/2017 12:00	6.1	0	0.04	0	0	0	0	0	0	1.12	0	0.91	0.09	1	0	11.727	16.81	0.518	2.609	
C79	5.43	4/13/2017 12:03	0.77	0	0.01	0	0	0	0	0	0	1	0	1	0	1	0	57.047	5.59	0.245	0.971	
C79_1	450.63	4/13/2017 18:07	3.51	0	0.11	0	0	0	0	0	0	1	0	1	0	0.54	0	62.259	576.72	45.012	0.781	Balcones
C79_3	450.56	4/13/2017 18:09	2.66	0	0.14	0	0	0	0	0	0	1	0	1	0	0.5	0	76.7	587.49	46.682	0.767	Balcones
C79_4	450.72	4/13/2017 18:11	2.73	0.01	0.13	0	0	0	0	0	0	1	0	1	0	0	0	73.74	629.35	49.581	0.716	Balcones
C791	11.82	4/13/2017 12:02	1.31	0	0.06	0	0	0	0	0	0	1	0	0.47	0.53	0.41	0	96.713	8.81	0	1.342	
C793	68.03	4/13/2017 12:00	1.21	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	94.372	29.26	0.902	2.325	
C794	59.49	4/13/2017 12:00	3.6	0	0.04	0	0	0	0	0	0	1	0	0.07	0.93	0.1	0	51.414	22.9	3.016	2.598	
C797	43.97	4/13/2017 12:00	1.3	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	99.222	23.81	1.649	1.847	

Conduits SWMM 2-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C798	40.7	4/13/2017 12:00	4.14	0	0.02	0	0	0	0	0	0	1	0	0.02	0.98	0.02	0	31.559	20.88	1.241	1.949	
C8	29.14	4/13/2017 12:05	15.53	0.43	0.31	0	0	0	0	0	0	1	0	0	1	0	0	0	34.93	4.14	0.834	
C8_1	406.42	4/13/2017 14:57	4.46	0.03	0.27	0	0	0	0	0	0	1	0	1	0	0.51	0	78.554	813.9	36.192	0.499	Post Oak
C8_2	406.46	4/13/2017 14:57	5.48	0.03	0.26	0	0	0	0	0	0	1	0	0.7	0.3	0	0	77.41	821.84	36.593	0.495	Post Oak
C80	450.59	4/13/2017 18:07	5.08	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	55.312	567.79	43.503	0.794	Balcones
C800	54.66	4/13/2017 12:00	3.7	0	0.03	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	40.284	19.27	1.861	2.837	
C801	35.15	4/13/2017 12:02	1.46	0	0.04	0	0	0	0	0	0	1	0	1	0	0.77	0	96.427	16.16	0.491	2.175	
C803_1	49.85	4/13/2017 12:03	1.29	0	0.05	0	0	0	0	0	0	1	0	1	0	0.98	0	131.695	29.05	0	1.716	
C803_2	52.78	4/13/2017 12:05	1.54	0	0.05	0	0	0	0	0	0	1	0	1	0	0.01	0	131.695	31.58	0	1.671	
C804	94.58	4/13/2017 12:15	9.06	0.75	0.69	0	0.01	0.76	0.01	1.25	0.01	1	0	0	1	0	0	0	248.91	22.713	0.38	
C805	302.91	4/13/2017 12:15	2.53	0	0.08	0	0	0	0	0	0	1	0	1	0	0.13	0	125.464	248.91	22.713	1.217	
C806MAS	0.68	4/13/2017 0:00	0.17	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	53.282	23.2	1.538	0.029	
C81	255.47	4/13/2017 12:34	0.89	0	0.17	0	0	0	0	0	0	1	0	1	0	0	0	162.009	1634.32	37.221	0.156	Unnamed Tributary
C813_3	27.44	4/13/2017 12:00	3.46	0	0.04	0	0	0	0	0	0	1	0	0.98	0.02	0.61	0	47.611	56.03	1.558	0.49	
C814	12.25	4/13/2017 12:03	2.51	0	0.04	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	23.767	9.74	0.628	1.258	
C815	314.05	4/13/2017 12:15	3.95	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	111.385	261.54	23.729	1.201	
C816	17.93	4/13/2017 12:04	0.88	0	0.04	0	0	0	0	0	0	1	0	1	0	0.98	0	164.393	10.86	0.504	1.651	
C818	52.12	4/13/2017 12:00	2.29	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	70.455	24.03	1.928	2.169	
C82	259.07	4/13/2017 12:31	3.17	0	0.12	0	0	0	0	0	0	1	0	1	0	0.69	0	70.997	1631.31	37.221	0.159	Unnamed Tributary
C820	60.99	4/13/2017 12:03	1.35	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	112.29	43.7	2.65	1.396	
C822	7.35	4/13/2017 12:00	0.88	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	45.527	5.06	0.36	1.453	
C823	142.19	4/13/2017 12:04	12.77	0.3	0.39	0	0	0	0	0	0	1	0	0	1	0.95	0	0	63.56	10.581	2.237	
C825	25.64	4/13/2017 12:01	1.74	0	0.1	0	0	0	0	0	0	1	0	1	0	0.87	0	91.771	10.66	0.917	2.405	
C828	120.75	4/13/2017 12:01	0.95	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	102.942	58.76	7.319	2.055	
C83	450.6	4/13/2017 18:06	4.33	0	0.11	0	0	0	0	0	0	1	0	1	0	0	0	118.026	564.77	43.358	0.798	Balcones
C831	24.63	4/13/2017 12:00	1.82	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	41.383	13.65	1.045	1.804	
C836	19.21	4/13/2017 12:00	2.66	0	0.02	0	0	0	0	0	0	1	0	0.99	0.01	1	0	28.35	8.6	0.676	2.234	
C837	27.45	4/13/2017 12:00	2.6	0	0.04	0	0	0	0	0	0	1	0	0.98	0.02	0.98	0	41.263	10.39	1.458	2.642	
C84	1526.42	4/13/2017 16:22	4	0	0.08	0	0	0	0	0	0	1	0	1	0	0.49	0	121.018	590.85	33.302	2.583	Cibolo
C842	29.75	4/13/2017 12:10	0.59	0	0.08	0	0	0	0	0	0	1	0	1	0	0.99	0	119.107	11.39	0.027	2.612	
C843	13.35	4/13/2017 12:00	0.75	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	67.883	6.37	1.005	2.096	
C845	42.35	4/13/2017 12:00	1.98	0	0.03	0	0	0	0	0	0	1	0	1	0	0.99	0	69.514	16.43	2.104	2.578	
C848	15.33	4/13/2017 12:00	0.83	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	76.297	7.23	0.48	2.12	
C849	19.46	4/13/2017 12:00	3.19	0	0.07	0	0	0	0	0	0	1	0	0.16	0.84	0.15	0	37.698	16.9	1.499	1.151	
C850	12.91	4/13/2017 12:00	1.18	0.01	0.11	0	0	0	0	0	0	1	0	1	0	0.12	0	43.316	18.65	0.003	0.692	
C851	64.98	4/13/2017 12:00	4.69	0	0.03	0	0	0	0	0	0	1	0	0.97	0.03	1	0	38.373	27.67	3.165	2.348	
C852	13.13	4/13/2017 12:08	0.8	0	0.08	0	0	0	0	0	0	1	0	1	0	0.99	0	133.215	10.43	0.387	1.259	
C853	5.36	4/13/2017 12:00	0.15	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	95.534	3.82	0.425	1.403	
C854	58.66	4/13/2017 12:00	1.58	0	0.07	0	0	0	0	0	0	1	0	1	0	0.41	0	87.717	20.69	2.265	2.835	
C857	71.93	4/13/2017 12:00	2.61	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	44.361	23.52	2.333	3.058	
C85MAS	12.64	4/13/2017 12:20	3.35	0.34	0.23	0	0.01	0.01	0.01	0.4	0.01	1	0	1	0	0	0	0	23.2	1.538	0.545	
C86	3.76	4/13/2017 12:01	0.52	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	43.436	1.69	0.259	2.225	
C860	60.29	4/13/2017 12:00	1.66	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	89.182	21.52	3.217	2.802	
C861	36.64	4/13/2017 12:00	2.18	0	0.16	0	0	0	0	0	0	1	0	0.33	0.67	0.08	0	92.32	17.87	2.405	2.05	
C865	8.22	4/13/2017 12:01	0.9	0	0.07	0	0	0	0	0	0	1	0	1	0	0	0	62.743	13.84	1.938	0.594	
C866	45.21	4/13/2017 12:00	3.63	0	0.03	0	0	0	0	0	0	1	0	0.97	0.03	1	0	39.309	20.27	2.205	2.23	
C867	16.63	4/13/2017 12:00	1.2	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	49.762	13.54	1.54	1.228	
C869	34.76	4/13/2017 12:01	1.77	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	121.456	18.08	2.938	1.923	
C87	232.76	4/13/2017 12:28	2.77	0	0.12	0	0	0	0	0	0	1	0	1	0	0.98	0	55.22	1582.22	34.77	0.147	Unnamed Tributary
C873	2199.12	4/13/2017 15:23	4.24	0.04	0.26	0	0	0	0	0	0	1	0	1	0	0.47	0	148.957	3578.82	274.491	0.614	Cibolo
C88	61.46	4/13/2017 12:02	7.77	0.26	0.4	0	0	0	0	0	0	1	0	0	0	0	0	0	58.76	7.319	1.046	
C883	57.15	4/13/2017 12:00	4.15	0	0.02	0	0	0	0	0	0	1	0	0.99	0.01	1	0	29.151	20.99	2.324	2.723	
C886MAS	68.22	4/13/2017 11:57	2.22	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	73.463	21.63	3.631	3.154	
C89	39.8	4/13/2017 12:08	0.86	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	98.465	33.88	4.505	1.175	
C890	43.37	4/13/2017 12:00	1.74	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	79.789	14.1	3.189	3.076	
C892	40.13	4/13/2017 11:55	5.84	0	0.02	0	0	0	0	0	0	1	0	0	1	0.41	0	28.179	12.58	2.988	3.19	
C893	31.31	4/13/2017 12:01	0.85	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	110.247	36.08	4.249	0.868	
C897	53.7	4/13/2017 12:00	3.47	0	0.02	0	0	0	0	0	0	1	0	0	1	0.04	0	57.683	23.89	2.712	2.248	
C898	23.73	4/13/2017 12:00	1.32	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	55.67	13.12	1.643	1.809	
C899	41.34	4/13/2017 12:00	5.4	0	0.02	0	0	0	0	0	0	1	0	0	1	0	0	26.722	20.88	1.241	1.98	
C9	15.22	4/13/2017 12:00	0.64	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	138.638	5.5	0.105	2.767	
C9_1	406.45	4/13/2017 14:55	3.9	0.04	0.29	0	0	0	0	0	0	1	0	1	0	0	0	42.51	802.92	36.077	0.506	Post Oak
C9_2	406.42	4/13/2017 14:56	6.52	0.02	0.21	0	0	0	0	0	0	1	0	1	0	0	0	33.431	807.92	36.177	0.503	Post Oak
C90	216.66	4/13/2017 12:10	5.45	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	29.121	451.09	19.458	0.48	
C903	47.53	4/13/2017 12:00	1.27	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	64.383	22.85	2.809	2.08	
C905	64.47	4/13/2017 12:00	4.7	0	0.04	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	21.151	22.69	0.197	2.841	
C907	14.56	4/13/2017 12:00	1.94	0	0.04	0	0	0	0	0	0	1	0	1	0	0.99	0	40.433	9.74	0.769	1.495	
C908_1	84.62	4/13/2017 12:00	4.2	0	0.07	0	0	0	0	0	0	1	0	0.64	0.36	0.86	0	64.932	50.38	8.883	1.68	
C908_2	100.57	4/13/2017 12:00	12.29	0	0.07	0	0	0	0	0	0	1	0	0	1	0.02	0	64.932	59.17	10.144	1.7	
C909	29.86	4/13/2017 12:00	1.78	0	0.03	0	0	0	0	0	0	1	0	1	0	0.4	0	61.357	11.13	1.755	2.683	
C91_1	450.84	4/13/2017 18:02	2.85	0	0.09	0	0	0	0	0	0	1	0	1	0	0	0	80.155	544.64	41.247	0.828	Balcones
C91_2	450.82	4/13/2017 18:03	3.28	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	79.41	547.74	41.433	0.823	Balcones
C911	35.52	4/13/2017 12:00	1.85	0	0.13	0	0	0	0	0	0	1	0	0.05	0.95	0.05	0	83.762	13.07	1.708	2.718	

Conduits SWMM 2-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C914	7	4/13/2017 12:01	0.65	0	0.18	0	0	0	0	0	0	1	0	0.75	0	0.75	0	256.759	7.28	0	0.962	
C92	1526.62	4/13/2017 16:20	3.63	0.01	0.11	0	0	0	0	0	0	1	0	1	0	0	0	165.947	570.08	31.912	2.678	Cibolo
C920	19.95	4/13/2017 12:03	1.81	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	45.545	9.61	0.626	2.076	
C922	30.03	4/13/2017 12:00	5.06	0	0.02	0	0	0	0	0	0	1	0	0.03	0.97	1	0	26.168	12.68	1.462	2.368	
C929	27.38	4/13/2017 12:03	1.14	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	136.881	15.58	0.518	1.757	
C93	21.76	4/13/2017 12:10	1.35	0	0.04	0	0	0	0	0	0	1	0	1	0	0.99	0	96.261	24.07	1.511	0.904	
C93_1	134.19	4/13/2017 12:08	9.95	0.2	0.38	0	0	0	0	0	0	1.49	0	0	1	0	0	0	102.56	13.732	1.308	
C93_2	160.27	4/13/2017 12:08	4.56	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	30.212	113.07	16.258	1.417	
C93_3MAS_1	12.63	4/13/2017 12:21	2.42	0.04	0.21	0	0	0	0	0	0	1	0	1	0	0.03	0	15.198	23.2	1.538	0.544	
C93_3MAS_2	13.63	4/13/2017 12:11	2.25	0.04	0.24	0	0	0	0	0	0	1	0	1	0	1	0	17.514	24.3	1.614	0.561	
C93_5MAS	13.68	4/13/2017 12:12	2.26	0.04	0.24	0	0	0	0	0	0	1	0	1	0	0	0	16.522	24.3	1.614	0.563	
C93_6MAS	13.64	4/13/2017 12:15	1.05	0.03	0.26	0	0	0	0	0	0	1	0	1	0	1	0	42.025	24.3	1.614	0.561	
C933	9.72	4/13/2017 12:08	0.4	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	195.438	8.43	0.289	1.153	
C934	25.71	4/13/2017 12:00	2.1	0	0.03	0	0	0	0	0	0	1	0	0.27	0.73	0.31	0	47.767	17.55	0	1.465	
C939	46.57	4/13/2017 12:00	4.17	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	46.407	15.96	2.793	2.918	
C94	450.83	4/13/2017 18:01	3.36	0.07	0.16	0	0	0	0	0	0	1	0	1	0	0	0	65.66	541.36	40.84	0.833	Balcones
C941	8.2	4/13/2017 12:00	0.79	0	0.04	0	0	0	0	0	0	1	0	1	0	0.97	0	73.971	3.68	0.028	2.228	
C943	31.47	4/13/2017 12:00	2.46	0	0.02	0	0	0	0	0	0	1	0	0.98	0.02	0	0	75.945	15.22	1.99	2.068	
C944	53.43	4/13/2017 12:00	4.6	0	0.06	0	0	0	0	0	0	1	0	0	1	0.04	0	49.971	23.4	0.423	2.283	
C946	30.09	4/13/2017 11:55	5.64	0	0.02	0	0	0	0	0	0	1.34	0	0	1	0.01	0	31.295	12.68	1.462	2.373	
C948	46.49	4/13/2017 12:01	3.74	0	0.11	0	0	0	0	0	0	1	0	0.49	0.51	0	0	115.441	36.4	2.65	1.277	
C949	37.17	4/13/2017 12:00	2.25	0	0.05	0	0	0	0	0	0	1	0	0.1	0.9	0.13	0	48.672	13.47	0.139	2.759	
C95	450.75	4/13/2017 18:00	3.6	0	0.1	0	0	0	0	0	0	1	0	1	0	0	0	65.613	520.27	38.604	0.866	Balcones
C950	15.91	4/13/2017 12:00	2	0	0.13	0	0	0	0	0	0	1	0	0.34	0.66	0.62	0	49.389	6.3	0.113	2.525	
C955	1.45	4/13/2017 12:03	0.06	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	143.341	9.19	0	0.158	
C957	69.51	4/13/2017 12:00	1.66	0	0.24	0	0	0	0	0	0	1	0	1	0	1	0	61.253	24.92	4.049	2.789	
C96	215.36	4/13/2017 12:08	2.39	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	85.607	448.01	19.458	0.481	
C961	11.72	4/13/2017 12:00	1.76	0	0.03	0	0	0	0	0	0	1	0	0.99	0.01	1	0	21.4	7.85	0.79	1.493	
C962	23.69	4/13/2017 11:55	6.27	0	0.03	0	0	0	0	0	0	1	0	0.03	0.97	0.16	0	8.325	7.51	1.281	3.154	
C963	36.31	4/13/2017 11:59	1.33	0	0.05	0	0	0	0	0	0	1	0	1	0	0.96	0	110.067	15.03	1.204	2.416	
C968	11.39	4/13/2017 12:00	1.37	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	39.281	7.6	1.175	1.499	
C97	1526.78	4/13/2017 16:19	2	0.01	0.17	0	0	0	0	0	0	1	0	1	0	0.31	0	227.494	562.76	31.826	2.713	Cibolo
C972	3.49	4/13/2017 12:00	1.55	0	0.01	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	29.397	11.05	0.002	0.316	
C973	14.21	4/13/2017 12:00	1.49	0	0.02	0	0	0	0	0	0	1	0	1	0	0.19	0	70.798	9.74	0.628	1.459	
C975	34.55	4/13/2017 12:00	3.81	0	0.03	0	0	0	0	0	0	1	0	0.37	0.63	0	0	28.47	13.23	1.247	2.611	
C977	7.92	4/13/2017 12:00	3.17	0	0.03	0	0	0	0	0	0	1	0	0.98	0.02	1	0	19.795	5.49	0.545	1.443	
C98	204.32	4/13/2017 12:23	5.38	0	0.09	0	0	0	0	0	0	1	0	1	0	0	0	27.531	1527.47	32.968	0.134	Unnamed Tributary
C980_2MAS	0	4/13/2017 0:00	0.01	0	0.03	0	0	0	0	0	0	1	0	0	0	1	0	20.96	17.81	0.868	0	
C981_2	18.38	4/13/2017 12:06	4.52	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	24.087	10.81	1.784	1.7	
C981_3	34.99	4/13/2017 12:00	1.77	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	77.83	10.81	1.784	3.237	
C981_4	18.41	4/13/2017 12:06	8.98	0.4	0.44	0	0	0	0	0	0	1	0	0	1	0	0	0	10.81	1.784	1.703	
C99	17.43	4/13/2017 12:01	0.84	0	0.06	0	0	0	0	0	0	1	0	0.87	0.13	0.12	0	108.564	9.24	0	1.886	
C991_2MAS	8.57	4/13/2017 12:00	2.47	0	0.07	0	0	0	0	0	0	1	0	0.04	0.96	0.04	0	65.049	11.33	1.773	0.756	
C991MAS	1.18	4/13/2017 12:01	0.39	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	38.983	8	1.566	0.148	
C992	23.42	4/13/2017 12:01	1.32	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	56.177	10.48	0	2.235	
grof_100_11	0.02	4/13/2017 12:02	0	0	0.01	0	0	0	0	0	0	1	1	0	0	0	0	2.527	19.6	1.215	0.001	
grof_100_12	15.66	4/13/2017 12:07	1.54	0.01	0.16	0	0	0	0	0	0	1	0.98	0	0	0	0	99.824	22.67	1.802	0.691	
grof_100_3	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	2.03	1	0	0	0	0	0	86.23	7.185	0	
grof_100_5	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.62	1	0	0	0	0	0	11.76	2.888	0	
grof_100_6	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	3.27	1	0	0	0	0	0	29.04	4.497	0	
grof_100_7	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.66	1	0	0	0	0	0	32.49	4.147	0	
grof_100_8	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	14	1.461	0	
grof_100_9	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.85	1	0	0	0	0	0	17.86	1.982	0	
GROF100	92.31	4/13/2017 12:05	4.61	0	0.03	0	0	0	0	0	0	1.17	0.98	0	0	0	0	90.052	117.17	9.563	0.788	
GROF101	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.36	1	0	0	0	0	0	18.97	1.818	0	
GROF103	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	34.93	4.14	0	
GROF104	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	57.85	5.703	0	
GROF105	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	60.86	5.884	0	
GROF106	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	23.9	1.737	0	
GROF107	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	29.58	2.195	0	
GROF108	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	212.48	20.186	0	
GROF109	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	263.68	23.114	0	
GROF11	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	643.06	25.39	0	
GROF110	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	343.83	26.264	0	
GROF112	4.94	4/13/2017 12:00	1.84	0	0.01	0	0	0	0	0	0	1.38	0.99	0	0	0	0	53.259	17.88	0.594	0.276	
GROF113	40.67	4/13/2017 11:59	3.87	0	0.03	0	0	0	0	0	0	1	0.97	0	0	0	0	120.199	46.78	2.133	0.869	
GROF114	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	26.52	5.878	0	
GROF12	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.85	1	0	0	0	0	0	90.66	5.859	0	
GROF13	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.27	1	0	0	0	0	0	51.58	3.371	0	
GROF14	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	25.95	1.273	0	
GROF15	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	802.92	36.077	0	
GROF16	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	684.31	38.899	0	
GROF17	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	61.67	3.56	0	

Conduits SWMM 2-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
GROF200	15.31	4/13/2017 12:15	3.18	0	0.03	0	0	0	0	0	0	1	0.98	0	0	0	0	54.812	97.57	10.384	0.157	
GROF21	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	15.82	0.944	0	
GROF22	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1333.52	27.051	0	
GROF25	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	50.9	4.137	0	
GROF26	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	21.19	2.268	0	
GROF27	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.83	1	0	0	0	0	0	111.87	12.188	0	
GROF28	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.96	1	0	0	0	0	0	42.37	4.096	0	
GROF29	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	79.83	8.432	0	
GROF3	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	38.45	1.048	0	
GROF31	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	15.54	1.258	0	
GROF32	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	2.95	1	0	0	0	0	0	120.91	18.56	0	
GROF33	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	2.48	1	0	0	0	0	0	105.77	10.988	0	
GROF34	14.48	4/13/2017 12:08	4.52	0	0.07	0	0	0	0	0	0	1	0.99	0	0	0	0	22.394	102.56	13.732	0.141	
GROF37	54.82	4/13/2017 12:02	9.7	0.01	0.14	0	0	0	0	0	0	1	0.99	0	0	0	0	22.134	58.76	7.319	0.933	
GROF38	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	5.35	1	0	0	0	0	0	39.87	3.574	0	
GROF39	1982.58	4/13/2017 16:33	5.25	0.01	0.19	0	0	0	0	0	0	1	0	0.37	0.12	0	0	364.61	1458.2	102.249	1.36	
GROF4	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	396.18	15.51	0	
GROF40	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	557.95	64.942	0	
GROF42	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.57	1	0	0	0	0	0	104.93	20.288	0	
GROF43	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	90.95	17.282	0	
GROF44	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	3.64	1	0	0	0	0	0	63.56	10.581	0	
GROF45	7.82	4/13/2017 11:55	3.48	0	0.04	0	0	0	0	0	0	1	0.99	0	0	0	0	25.026	9.01	1.501	0.868	
GROF46	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	2.1	1	0	0	0	0	0	6.1	1.352	0	
GROF47	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	273.04	25.157	0	
GROF48	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.79	1	0	0	0	0	0	169.53	13.624	0	
GROF49	38.06	4/13/2017 12:00	6.37	0	0.06	0	0	0	0	0	0	1	0	0	0	0	0	46.554	55.08	4.06	0.691	
GROF5	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	381.42	14.371	0	
GROF50	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	32.1	1.839	0	
GROF51	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.01	1	0	0	0	0	0	61.04	5.874	0	
GROF52	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	12.26	1.413	0	
GROF53	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	12.26	1.413	0	
GROF54	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.35	0.809	0	
GROF55	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.35	0.809	0	
GROF56	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.35	0.809	0	
GROF58	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	219.11	18.599	0	
GROF59	73.65	4/13/2017 12:13	3.27	0	0.17	0	0	0	0	0	0	1.78	0	0.02	0.01	0.5	0	94.993	243.55	22.026	0.302	
GROF6	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	21.13	1.299	0	
GROF60	16.72	4/13/2017 12:13	5.05	0.01	0.14	0	0	0	0	0	0	1	0.98	0	0	0	0	26.395	248.91	22.713	0.067	
GROF61	208.45	4/13/2017 12:15	9	0	0.07	0	0	0	0	0	0	1.57	0.94	0	0	0	0	64.25	248.91	22.713	0.837	
GROF63	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	2.57	1	0	0	0	0	0	101.24	8.943	0	
GROF64	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	13.01	1.687	0	
GROF65	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	3.12	1	0	0	0	0	0	8.01	0.953	0	
GROF66	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	45.91	6.038	0	
GROF67	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.35	1	0	0	0	0	0	25.46	3.457	0	
GROF68	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.64	1.097	0	
GROF69	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	10.81	1.784	0	
GROF70	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.64	1.097	0	
GROF75	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	133.47	8.332	0	
GROF76	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	77.13	4.449	0	
GROF79	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	29.26	0.902	0	
GROF80	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	30.38	2.581	0	
GROF81	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	6.37	1.005	0	
GROF82	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.6	1.712	0	
GROF83	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	123.84	10.356	0	
GROF84	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	67.92	5.397	0	
GROF87	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	20.48	2.44	0	
GROF88	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	17.87	2.405	0	
GROF89	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	41.53	2.987	0	
GROF90	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	23.2	1.538	0	
GROF95	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	30.78	1.792	0	
GROF96	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	26.74	2.315	0	
MASC13	14.14	4/13/2017 12:00	2.1	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	37.329	5.03	1.027	2.811	
MASC14_1	22.65	4/13/2017 12:00	8.46	0	0.02	0	0	0	0	0	0	1	0	0	1	0	0	13.391	8	1.566	2.831	
MASC14_3	40.43	4/13/2017 12:00	5.1	0	0.04	0	0	0	0	0	0	1	0	0	1	0.99	0	38.774	13.83	3.044	2.923	
MASC14_4	40.11	4/13/2017 12:00	4.03	0	0.07	0	0	0	0	0	0	1	0	0.97	0.03	1	0	63.648	13.83	3.044	2.9	
MASC231_1	5.83	4/13/2017 12:00	1.12	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	19.603	1.92	0.307	3.036	
MASC231_2	12.73	4/13/2017 12:00	0.99	0.01	0.28	0	0	0	0	0	0	1	0	1	0	1	0	27.232	4.31	0.446	2.954	
MASC231_3	15.13	4/13/2017 12:03	5.91	1.1	0.86	0	0.01	0.48	0.01	0.25	0.01	1	0	0.99	0.01	0.92	0	0	7.96	0.533	1.901	
MASC231_4	18.49	4/13/2017 12:02	0.97	0.02	0.43	0	0	0	0	0	0	1	0	1	0	0.02	0	49.889	7.96	0.533	2.323	
MASC231_5	21.08	4/13/2017 12:00	1.78	0.02	0.23	0	0	0	0	0	0	1	0	1	0	1	0	21.659	10.44	0.652	2.019	
MASC231_7	26.56	4/13/2017 12:00	2.2	0.02	0.34	0	0	0	0	0	0	1	0	1	0	0.86	0	35.719	12.31	0.763	2.158	
MASC311	7.81	4/13/2017 12:00	1.22	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	38.567	4.74	0.478	1.648	
MASC440_2	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	4013.66	315.389	0	

Conduits SWMM 2-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
MASC440_3	2201.62	4/13/2017 15:34	7.45	0	0.2	0	0	0	0	0	0	1	0	1	0	0.44	0	56.517	4043.09	317.678	0.545	Cibolo
MASC440_4	2202.22	4/13/2017 15:32	3.03	0.01	0.26	0	0	0	0	0	0	1	0	1	0	1	0	207.526	4030.57	317.402	0.546	Cibolo
MASC93_1	189.43	4/13/2017 12:05	6.46	0.01	0.15	0	0	0	0	0	0	1	0	0.98	0.02	0.96	0	30.87	115.15	18.17	1.645	
MASC93_3	192.6	4/13/2017 12:06	1.96	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	165.905	118.64	19.182	1.623	
MASC93_4	207.15	4/13/2017 12:07	5.81	0	0.08	0	0	0	0	0	0	1	0	0.83	0.17	0.71	0	159.151	129.67	21.599	1.598	
MASC931	163.38	4/13/2017 12:09	3.78	0.01	0.15	0	0	0	0	0	0	1	0	1	0	0	0	33.187	116.75	17.391	1.399	
MASC932	33.09	4/13/2017 12:09	4.27	0.02	0.17	0	0	0	0	0	0	1	0	0.98	0.02	1	0	0	120.91	18.56	0.274	
MAS78_Rev_Weir	33.51	4/13/2017 12:00	1.58	0	0.09	0	0	0	0	0	0	1	0	1	0	0.02	0	42.2	14.67	0.767	2.284	
GROF77	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	63.54	3.179	0	
C_MAS1	196.03	4/13/2017 12:13	3.98	0.03	0.26	0	0	0	0	0	0	1	0	1	0	0.66	0	82.342	511.45	32.309	0.383	
C_MAS82	14.45	4/13/2017 12:02	3.04	0.02	0.23	0	0	0	0	0	0	1	0	0	1	0	0	74.873	9.59	0.047	1.507	
C_MAS95_1	4.47	4/13/2017 12:00	1.55	0	0.13	0	0	0	0	0	0	1	0	0.62	0.38	0.45	0	37.682	3.62	0.022	1.235	
C_MAS95_3	4.34	4/13/2017 12:00	1.02	0	0.15	0	0	0	0	0	0	1	0	0.83	0.17	0.73	0	48.862	3.62	0.022	1.199	
C_MAS95_4	11.15	4/13/2017 12:00	7.32	0.01	0.18	0	0	0	0	0	0	1	0	0.46	0.54	0.43	0	66.893	7.14	0.022	1.562	
C_7	40.29	4/13/2017 12:01	2.56	0	0.02	0	0	0	0	0	0	1	0.98	0	0	0	0	167.337	22.85	2.809	1.763	
C_8	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	50.69	6.821	0	
C661	27.58	4/13/2017 12:01	0.59	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	74.12	19.44	2.142	1.419	
C_MAS55	47.89	4/13/2017 12:05	1.61	0.02	0.37	0	0	0	0	0	0	1	0	1	0	1	0	58.125	50.29	5.349	0.952	
C11	418.27	4/13/2017 14:41	2.49	0.02	0.34	0	0	0	0	0	0	1	0	1	0	1	0	85.981	766.97	33.04	0.545	Post Oak
C1116	2200.26	4/13/2017 15:17	2.84	0.01	0.26	0	0	0	0	0	0	1	0	1	0	0.48	0	211.439	3478.99	268.957	0.632	Cibolo
C_108	2200.68	4/13/2017 15:19	4.87	0.06	0.22	0	0	0	0	0	0	1	0	1	0	0	0	161.701	3503.62	270.129	0.628	Cibolo
C_MAS131	37.76	4/13/2017 12:00	5.86	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	31.205	22.96	3.226	1.645	
C1010	6.84	4/13/2017 12:00	0.44	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	71.645	6.91	1.224	0.99	
C210	57.77	4/13/2017 12:03	0.89	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	195.15	144.21	3.966	0.401	

Conduits SWMM 5-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft³)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
3	14923.97	4/13/2017 15:51	10.33	0.26	0.39	0	0	0	0	0	0	1	0	0.29	0	0	0	248.038	2091.83	177.907	7.134	272.4340973
4	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	676.02	38.467	0	279.4289225
5	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2232.33	191.465	0	445.1989957
6	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	693.14	41.121	0	604.4188819
C_1	2389.23	4/13/2017 13:31	3.39	0.13	0.6	0	0	0	0	0	0	1	0	1	0	0.87	0	144.026	5.68	0	420.639	255.6570809
C_100	297.31	4/13/2017 12:04	3.15	0.01	0.16	0	0	0	0	0	0	1	0	1	0	1	0	61.333	141.25	11.396	2.105	107.0220487
C_101	318.82	4/13/2017 12:11	12.26	0.45	0.69	0	0.01	0.01	0.01	0.79	0.01	1.43	0	0	1	0	0	0	169.53	13.624	1.881	17.93943794
C_102	318.82	4/13/2017 12:11	7.08	0.01	0.17	0	0	0	0	0	0	1	0	0.77	0.23	1	0	51.699	169.53	13.624	1.881	38.28949218
C_110	21.22	4/13/2017 12:00	1.23	0	0.21	0	0	0	0	0	0	1	0	1	0	0.97	0	166.778	7.94	0.401	2.673	19.02556442
C_117	2436.19	4/13/2017 13:55	2.92	0.08	0.76	0	0	0	0	0	0	1	0	1	0	0.81	0	444.806	643.06	25.39	3.788	95.28338008
C_118	2440.33	4/13/2017 13:54	4.67	0.18	0.55	0	0	0	0	0	0	1	0	1	0	0.59	0	86.669	643.06	25.39	3.795	132.0769117
C_119	2445.97	4/13/2017 13:48	8.28	0.11	0.46	0	0	0	0	0	0	1	0	1	0	0.83	0	131.801	588.3	24.617	4.158	187.9682415
C_122	582.09	4/13/2017 13:05	11.63	2.79	1	0	1.1	3.89	1.1	5.98	1.1	1	0	0.95	0.05	0	0.61	0	38.45	1.048	15.139	16.12935326
C_123	23.3	4/13/2017 12:00	0.51	0	0.78	0	0.01	0.01	2.06	0.01	0.01	1	0	1	0	0.86	0	161.818	7.82	0.638	2.98	26.40379445
C_124	40.8	4/13/2017 12:00	0.52	0	0.38	0	0	0	0	0	0	1	0	0.62	0	0.85	0	230.572	12	0	3.4	33.96620205
C_148	9848.51	4/13/2017 15:19	5.68	0.44	0.7	0	0	0	0	0	0	1	0	1	0	0.04	0	344.089	676.02	38.467	14.568	75.9930443
C_156	51.32	4/13/2017 11:55	2.41	0	0.26	0	0	0	0	0	0	1	0	1	0	1	0	62.414	11.44	1.002	4.486	81.80195593
C_3	2385.89	4/13/2017 13:37	2.23	0.2	0.78	0	0	0	0	0	0	1	0	1	0	0	0	175.352	12.65	0.227	188.608	166.2500155
C_4	2387.28	4/13/2017 13:38	2.29	0.07	0.77	0	0	0	0	0	0	1	0	1	0	0	0	171.93	27.61	0.406	86.464	25.19095239
C_9_91	8.87	4/13/2017 11:58	1.41	0.18	1	0	12.03	12.03	13.43	0.01	0.01	1	0	1	0	0.46	0	0	42.31	2.148	0.21	17.83556208
C_GR_001	355.85	4/13/2017 12:04	8.56	0.39	0.93	0	0	0	0	0	0	1.25	0	1	0	0.93	0	0	219.11	18.599	1.624	7.344238212
C_MAS042517	97.31	4/13/2017 12:11	1.36	0.01	0.23	0	0	0	0	0	0	1	0	1	0	1	0	166.207	256.244	4.15	0.38	1776.997682
C_MAS100	798.16	4/13/2017 12:04	9.27	0.02	0.15	0	0	0	0	0	0	1	0	0.62	0.38	0.01	0	76.124	262.58	28.264	3.04	53.67965593
C_MAS101_1	433.7	4/13/2017 12:04	4.45	0.01	0.17	0	0	0	0	0	0	1	0	1	0	0.99	0	55.164	163.21	14.185	2.657	49.68648434
C_MAS101_2	152.48	4/13/2017 12:04	3.92	0.07	0.67	0	0	0	0	0	0	1.06	0	1	0	0	1	0	166.62	14.97	0.915	13.31735521
C_MAS102	666.19	4/13/2017 12:03	5.33	0.13	0.36	0	0	0	0	0	0	1	0	1	0	0.11	0	79.615	174.98	19.682	3.807	59.05699312
C_MAS103	239.11	4/13/2017 12:00	4.76	0.02	0.21	0	0	0	0	0	0	1	0	1	0	1	0	62.349	75.29	6.225	3.176	53.39045712
C_MAS105	54.82	4/13/2017 12:00	1.2	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	102.497	17.43	1.279	3.145	161.3321514
C_MAS106	82.18	4/13/2017 11:55	5.13	0	0.04	0	0	0	0	0	0	1	0	0	1	0.01	0	48.474	17.91	3.02	4.588	75.701422
C_MAS107	23.81	4/13/2017 12:31	2.35	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	34.444	29.58	2.195	0.805	110.0893608
C_MAS108_3	52.94	4/13/2017 12:00	11.08	0.59	0.64	0	0	0	0	0	0	1	0	0	1	0	0	0	19.6	1.215	2.701	16.68048609
C_MAS108_4	83.97	4/13/2017 12:00	4.6	0.01	0.16	0	0	0	0	0	0	1	0	0.97	0.03	1	0	31.522	19.6	1.215	4.284	124.6027062
C_MAS109	50.26	4/13/2017 12:01	9.92	0.81	0.69	0	0.01	1.57	0.01	0.01	0.01	1	0	0.08	0.92	0	0.75	0	117.17	9.563	0.429	13.86412432
C_MAS11	182.81	4/13/2017 12:12	12.67	0.56	0.56	0	0.01	0.01	0.01	0.5	0.01	1	0	0	1	0	0	0	263.68	23.114	0.693	41.42377148
C_MAS110	363.98	4/13/2017 12:01	4.78	0.04	0.31	0	0	0	0	0	0	1	0	0.99	0.01	1	0	164.452	121.03	9.858	3.007	50.17012211
C_MAS111	363.43	4/13/2017 12:02	7.45	0	0.06	0	0	0	0	0	0	1	0	0.75	0.25	0	0	50.493	121.03	9.858	3.003	35.9743266
C_MAS112	65.82	4/13/2017 12:00	12.49	0.18	0.31	0	0	0	0	0	0	1	0	0	1	0	0	0	18.97	1.818	3.47	18.58268059
C_MAS113	24.01	4/13/2017 12:29	3.33	0.18	0.4	0	0	0	0	0	0	1	0	0.15	0.85	0	0	0	29.58	2.195	0.812	12.28236808
C_MAS114	108.18	4/13/2017 12:22	0.5	0	0.45	0	0	0	0	0	0	1	0	1	0	0.88	0	304.747	27.07	1.87	3.996	45.13567757
C_MAS115	51.79	4/13/2017 12:04	8.86	0.19	0.42	0	0	0	0	0	0	1	0	0.11	0.89	0.07	0	0	23.9	1.737	2.167	15.60017093
C_MAS116	65.86	4/13/2017 12:09	5.11	0	0.06	0	0	0	0	0	0	1	0	0.29	0.71	0.01	0	43.353	28.26	1.431	2.331	55.99872394
C_MAS118	115.46	4/13/2017 12:01	4.12	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	35.582	26.52	5.878	4.354	54.99112408
C_MAS12	902.69	4/13/2017 12:04	3.79	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	180.915	299.27	34.269	3.016	73.19257764
C_MAS121	109.19	4/13/2017 12:00	2.26	0.01	0.47	0	0	0	0	0	0	1.03	0	1	0	1	0	83.793	61.59	4.767	1.773	147.5208785
C_MAS124	26.74	4/13/2017 12:00	8.33	0.3	0.39	0	0	0	0	0	0	1	0	0.97	0.03	0	0	0	46.78	2.133	0.572	12.85634979
C_MAS125	340.28	4/13/2017 12:08	8.44	0	0.1	0	0	0	0	0	0	1	0	0.86	0.14	0.99	0	34.017	451.66	30.671	0.753	30.68142556
C_MAS13	892.51	4/13/2017 12:04	4.85	0	0.03	0	0	0	0	0	0	1	0	1	0	0	0	190.078	294.59	33.778	3.03	33.75027361
C_MAS136	48.39	4/13/2017 12:01	6.53	0.02	0.19	0	0	0	0	0	0	1	0	0	1	0	0	20.336	15.36	1.209	3.15	59.96885584
C_MAS14	873.41	4/13/2017 12:04	4.69	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	186.426	286.63	32.198	3.047	98.3647377
C_MAS140	66.09	4/13/2017 12:08	12.57	0.46	0.63	0	0.01	0.34	0.01	0.01	0.01	1	0	0	1	0	0	0	28.26	1.431	2.339	15.78693309
C_MAS142	124.94	4/13/2017 12:12	5.66	0	0.13	0	0	0	0	0	0	1	0	0.02	0.98	0.05	0	40.398	70.57	6.55	1.77	205.6754237
C_MAS143	23.24	4/13/2017 12:00	0.74	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	81.426	6.24	0.645	3.724	131.5182141
C_MAS144	43.26	4/13/2017 12:00	5.87	0.02	0.12	0	0	0	0	0	0	1	0	0.93	0.07	0.99	0	0	10.33	1.147	4.188	33.01068998
C_MAS145	50.35	4/13/2017 12:00	2.81	0	0.11	0	0	0	0	0	0	1	0	0.08	0.92	0.56	0	48.697	15.36	1.209	3.278	161.8987431
C_MAS146	68.17	4/13/2017 12:00	3.54	0	0.02	0	0	0	0	0	0	1	0	0.99	0.01	1	0	42.255	22.38	2.873	3.046	102.3105169
C_MAS147	97.51	4/13/2017 12:01	1.52	0.01	0.34	0	0	0	0	0	0	1	0	1	0	1	0	58.153	80.23	8.576	1.215	100.2446787
C_MAS148	87.34	4/13/2017 12:00	0.83	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	191.187	28.04	3.579	3.115	100.5431636
C_MAS15	297.25	4/13/2017 12:04	1.81	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	137.014	246.1	21.98	1.208	214.2560985
C_MAS151	47.64	4/13/2017 12:01	1.86	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	116.183	15.36	1.209	3.102	75.28839487
C_MAS152	88.24	4/13/2017 12:00	5.85	0.1	0.42	0	0	0	0	0	0	1	0	0	1	0	0	44.573	28.04	3.579	3.147	60.6963627
C_MAS155	38.51	4/13/2017 12:00	4.23	0.01	0.11	0	0	0	0	0	0	1	0	0.97	0.03	1	0	29.127	10.67	0.866	3.609	50.51715539
C_MAS156	51.17	4/13/2017 12:00	2.84	0.02	0.23	0	0	0	0	0	0	1	0	0.54	0.46	0.55	0	85.015	13.86	1.142	3.692	96.24052282
C_MAS157	207.85	4/13/2017 12:28	0.52	0	0.3	0	0	0	0	0	0	1	0	1	0	0.37	0	177.038	35.09	4.454	5.923	72.93025148
C_MAS158	66.66	4/13/2017 11:55	0.92	0	0.2	0	0	0	0	0	0	1	0	1	0	1	0	87.287	14	1.461	4.761	56.34030674
C_MAS159	37.74	4/13/2017 12:02	9.16	0.45	0.57	0	0.01	0.5	0.01	0.01	0.01	1	0	0	1	0	0	0	14	1.461	2.696	18.59893778
C_MAS16	226.88	4/13/2017 12:11	10.6	0.67	0.8	0	0.01	0.16	0.01	0.57	0.01	1	0	0	0	0	0	0	212.48	20.186	1.068	61.80334538
C_MAS160	49.26	4/13/2017 12:02	3.18	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	55.515	14	1.461	3.519	171.3144127
C_MAS161	53.32	4/13/2017 12:14	2.64	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	55.551	29.04	4.497	1.836	141.4845356
C_MAS162_1	41.03	4/13/2017 12:00	3.8	0	0.05	0	0	0	0	0	0	1	0	0	1	1	0	36.526	13.51	3.348	3.037	45.49247719
C_MAS162_2	61.57	4/13/2017 12:00	0.66	0	0.23	0	0	0	0	0	0	1	0	1	0	1	0	112.578	19.07	3.526	3.229	119.7694308

Conduits SWMM 5-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft³)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C_MAS163	41.58	4/13/2017 12:14	10.12	0.36	0.56	0	0.01	1.05	0.01	0.01	0.01	1	0	0	1	0	0	0	29.04	4.497	1.432	15.23192228
C_MAS164	78.94	4/13/2017 11:55	4.83	0	0.02	0	0	0	0	0	0	1	0	0.97	0.03	1	0	42.048	15.74	3.714	5.015	127.5449913
C_MAS165	128.57	4/13/2017 11:55	3.74	0	0.14	0	0	0	0	0	0	1	0	0.03	0.97	0.07	0	84.145	26.52	5.878	4.848	200.8874347
C_MAS166	62.21	4/13/2017 11:55	4.98	0	0.02	0	0	0	0	0	0	1	0	0.06	0.94	1	0	47.893	14.24	1.731	4.369	99.02068936
C_MAS167	61.22	4/13/2017 11:56	4.22	0	0.04	0	0	0	0	0	0	1	0	0.01	0.99	0.02	0	50.475	14.24	1.731	4.299	91.52905127
C_MAS168	90.4	4/13/2017 12:02	0.69	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	127.134	33.8	0.667	2.675	62.98177373
C_MAS169	136.01	4/13/2017 12:02	1.15	0	0.27	0	0	0	0	0	0	1.84	0	1	0	1	0	103.377	97.57	10.384	1.394	256.5140136
C_MAS17	755.56	4/13/2017 12:04	5.57	0	0.09	0	0	0	0	0	0	1	0	1	0	0.98	0	86.498	245.55	26.232	3.077	77.578507
C_MAS170	74.81	4/13/2017 12:00	5.68	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	27.056	49.76	4.039	1.503	114.2284415
C_MAS171	109.59	4/13/2017 12:00	5.85	0	0.02	0	0	0	0	0	0	1	0	0.88	0.12	0.99	0	37.101	61.59	4.767	1.779	140.4657336
C_MAS174	296.36	4/13/2017 12:12	8.58	0	0.09	0	0	0	0	0	0	1	0	0.88	0.12	0.83	0	39.079	280.94	24.018	1.055	85.81932913
C_MAS175	297.56	4/13/2017 12:14	1.66	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	148.901	287.83	24.269	1.034	266.2516222
C_MAS18	427.36	4/13/2017 12:04	7.4	0	0.07	0	0	0	0	0	0	1	0	0	1	0	0	41.098	159.9	13.783	2.673	57.10633968
C_MAS19	413.99	4/13/2017 12:04	6.52	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	39.341	151.8	11.61	2.727	46.29669037
C_MAS2	386.32	4/13/2017 12:08	3.1	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	110.999	481.42	32.26	0.802	77.50610474
C_MAS20	400.16	4/13/2017 12:04	7.64	0	0.05	0	0	0	0	0	0	1	0	0	1	0.04	0	43.953	143.58	11.415	2.787	64.65104058
C_MAS21	246.07	4/13/2017 12:02	4.55	0.01	0.11	0	0	0	0	0	0	1	0	1	0	0.08	0	56.302	137.84	16.696	1.785	154.0571608
C_MAS22	651.98	4/13/2017 12:02	6.98	0	0.09	0	0	0	0	0	0	1	0	1	0	0.99	0	65.289	169.92	19.398	3.837	139.876999
C_MAS23	480.59	4/13/2017 12:02	9.1	0.01	0.13	0	0	0	0	0	0	1	0	0.08	0.92	0	0	42.177	124.81	10.642	3.851	60.49465891
C_MAS24	373.17	4/13/2017 12:02	4.18	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	103.378	126.23	9.905	2.956	119.5828772
C_MAS25	33.6	4/13/2017 12:02	8.49	0.55	0.55	0	0	0	0	0	0	1	0	0	1	0	0	0	97.57	10.384	0.344	26.92170775
C_MAS26	204.72	4/13/2017 12:03	1.79	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	146.798	78.48	3.522	2.609	210.5014474
C_MAS27	186.78	4/13/2017 12:00	2.14	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	152.558	114.1	13.921	1.637	175.7077301
C_MAS28_1	73.66	4/13/2017 12:07	3.06	0	0.02	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	109.327	60.86	5.884	1.21	105.0558864
C_MAS28_2	49.64	4/13/2017 12:18	8.08	0.65	0.81	0	0	0	0	0	0	1	0	1	0	0.98	0	0	60.86	5.884	0.816	32.04684287
C_MAS29	360.06	4/13/2017 12:00	3.12	0	0.08	0	0	0	0	0	0	1	0	1	0	0.19	0	133.129	82.04	6.94	4.389	126.9878542
C_MAS3	372.46	4/13/2017 12:08	4.53	0	0.05	0	0	0	0	0	0	1	0	1	0	0	0	78.065	471.43	32.105	0.79	101.8931368
C_MAS30	126.89	4/13/2017 12:01	3.25	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	78.609	101.08	11.965	1.255	24.90548457
C_MAS31	94.76	4/13/2017 12:00	3.48	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	48.252	72.04	7.467	1.315	49.88738827
C_MAS32	336.92	4/13/2017 12:01	1.33	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	151.117	108.44	8.975	3.107	111.1857436
C_MAS33	39.26	4/13/2017 12:00	3.71	0	0.1	0	0	0	0	0	0	1	0	0.91	0.09	0.88	0	31.702	11.12	0.034	3.531	88.29540461
C_MAS34	168.55	4/13/2017 12:01	4.44	0	0.05	0	0	0	0	0	0	1	0	0.95	0.05	0.85	0	80.903	62.6	3.475	2.692	147.3623826
C_MAS35	283.62	4/13/2017 12:00	6.84	0	0.07	0	0	0	0	0	0	1	0	0.96	0.04	0.97	0	56.954	64.43	4.211	4.402	133.4389115
C_MAS36	63.09	4/13/2017 12:12	11.79	1.24	0.9	0	0.01	1.45	0.01	1.61	0.01	1	0	0	1	0.82	0	0	59.69	5.597	1.057	12.74008424
C_MAS37	203.79	4/13/2017 12:00	3.6	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	83.458	63.16	5.486	3.227	98.06638244
C_MAS38	51.23	4/13/2017 12:02	3.39	0	0.06	0	0	0	0	0	0	1	0	0.02	0.98	0.02	0	96.824	61.33	6.808	0.835	171.4645461
C_MAS39	140.02	4/13/2017 12:02	8.46	0	0.08	0	0	0	0	0	0	1	0	0	1	0	0	32.957	53.4	3.245	2.622	106.3760079
C_MAS4	194.65	4/13/2017 12:26	5.06	0	0.1	0	0	0	0	0	0	1	0	1	0	0.02	0	39.441	363.16	27.125	0.536	102.654184
C_MAS40	124.39	4/13/2017 12:01	2.86	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	61.878	38.49	3.539	3.232	120.0630684
C_MAS41	177.55	4/13/2017 12:00	1.19	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	155.29	54.61	4.482	3.251	105.9201318
C_MAS42	168.58	4/13/2017 12:00	6.18	0	0.03	0	0	0	0	0	0	1	0	0.04	0.96	0	0	41.176	51.77	5.179	3.256	143.1797577
C_MAS43	126.27	4/13/2017 12:00	2.19	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	142.557	46.78	2.133	2.699	76.68330518
C_MAS44	112.58	4/13/2017 12:01	4.75	0	0.04	0	0	0	0	0	0	1	0	0.04	0.96	1	0	51.843	34.2	2.81	3.292	59.5039045
C_MAS45	87.36	4/13/2017 12:01	2.31	0.01	0.31	0	0	0	0	0	0	1	0	1	0	1	0	117.299	32.35	0.897	2.7	319.3080002
C_MAS46	68.55	4/13/2017 12:00	3.16	0.11	0.38	0	0	0	0	0	0	1	0	0.05	0.95	0.04	0	71.725	22.38	2.873	3.063	42.72056374
C_MAS47	139.16	4/13/2017 12:00	3.03	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	75.657	31.66	2.788	4.395	163.1655523
C_MAS48	70.26	4/13/2017 12:01	4.26	0	0.1	0	0	0	0	0	0	1	0	0.01	0.99	0.02	0	46.916	22.67	1.802	3.099	79.07059184
C_MAS49	152.25	4/13/2017 12:00	2.44	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	89.219	38.99	3.296	3.905	255.8423313
C_MAS5	979.17	4/13/2017 12:09	2.97	0	0.05	0	0	0	0	0	0	1	0	1	0	0.01	0	252.061	351.02	38.361	2.789	136.7470435
C_MAS50	89.69	4/13/2017 12:00	4.58	0.01	0.24	0	0	0	0	0	0	1	0	0.99	0.01	0.85	0	29.244	22.36	3.45	4.011	71.26064963
C_MAS51	59.07	4/13/2017 12:00	3.01	0	0.01	0	0	0	0	0	0	1	0	0.98	0.02	1	0	87.941	18.71	2.698	3.157	103.1104444
C_MAS52	62.95	4/13/2017 12:00	2.5	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	65.699	17.88	0.594	3.521	81.18305732
C_MAS53	140.06	4/13/2017 11:56	4.38	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	88.101	31.66	2.788	4.424	76.39122859
C_MAS54	12.98	4/13/2017 12:01	9.71	0.59	0.77	0	0.01	1.94	0.01	0.01	0.01	1	0	0.51	0.49	0	1	0	22.67	1.802	0.573	20.35471619
C_MAS56	66.7	4/13/2017 12:00	1.36	0.01	0.33	0	0	0	0	0	0	1	0	1	0	1	0	81.442	22.33	0.049	2.987	93.20040738
C_MAS57	74.6	4/13/2017 12:00	4.98	0	0.05	0	0	0	0	0	0	1	0	0.98	0.02	1	0	40.046	22.96	3.226	3.249	91.69725169
C_MAS58	127.3	4/13/2017 12:00	4.66	0	0.07	0	0	0	0	0	0	1	0	0.91	0.09	0.2	0	66.919	42.11	1.464	3.023	149.5652965
C_MAS6	188.96	4/13/2017 12:25	4.03	0.01	0.18	0	0	0	0	0	0	1	0	1	0	1	0	50.9	349.84	26.88	0.54	195.0624283
C_MAS60	81.85	4/13/2017 12:00	6.85	0	0.02	0	0	0	0	0	0	1	0	0.96	0.04	0.97	0	24.423	23.46	2.514	3.489	105.5117433
C_MAS61_1	129.69	4/13/2017 12:01	0.78	0	0.16	0	0	0	0	0	0	1	0	1	0	0.99	0	164.48	26.51	3.59	4.892	67.78091019
C_MAS61_2	71.75	4/13/2017 12:07	11.23	0.93	1	0	0.23	0.55	2.94	0.01	0.17	1	0	0.56	0.44	0.95	0	0	32.49	4.147	2.208	32.36845735
C_MAS62	47.85	4/13/2017 11:55	1.27	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	79.273	9.78	1.979	4.893	145.9335497
C_MAS63	57.13	4/13/2017 12:00	2.72	0	0.06	0	0	0	0	0	0	1	0	0.54	0.46	0.99	0	98.083	17.35	1.509	3.293	114.4986979
C_MAS64	61.12	4/13/2017 12:00	0.96	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	102.877	19.96	1.713	3.062	82.33052068
C_MAS66	37.14	4/13/2017 11:55	1.03	0	0.2	0	0	0	0	0	0	1	0	1	0	1	0	67.414	8.33	1.033	4.459	176.9478634
C_MAS67	93.78	4/13/2017 12:00	0.52	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	108.967	24.59	0.4	3.814	77.2983493
C_MAS68_1	55.95	4/13/2017 12:00	3.55	0	0.02	0	0	0	0	0	0	1	0	1	0	0.92	0	27.123	12.98	1.777	4.31	25.37677913
C_MAS68_2	69.6	4/13/2017 12:00	3.59	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	27.123	16.18	2.052	4.302	102.1964261
C_MAS69_1	72.08	4/13/2017 12:00	2.74	0.02	0.29	0	0	0	0	0	0	1	0	1	0	1	0	37.493	17.65	2.83	4.084	100.2685568
C_MAS69_2	70.57	4/13/2017 12:00	11.05	0.35	0.46	0	0	0	0	0	0	1	0	0	1	0	0	0	17.65	2.83	3.998	18.27569272

Conduits SWMM 5-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C_MAS7	188.06	4/13/2017 12:44	13.08	0.64	0.72	0	0.01	0.63	0.01	1.45	0.01	1	0	0	1	0	0	0	343.83	26.264	0.547	22.05625486
C_MAS70	67.32	4/13/2017 12:00	1.06	0	0.25	0	0	0	0	0	0	1	0	1	0	1	0	71.131	18.97	1.818	3.549	26.18314109
C_MAS71	40.81	4/13/2017 12:00	3.41	0	0.11	0	0	0	0	0	0	1	0	0.24	0.76	0.49	0	34.603	11.51	1.042	3.546	166.49377
C_MAS73	86.14	4/13/2017 12:00	4.7	0	0.08	0	0	0	0	0	0	1	0	0	1	0	0	44.879	26.14	1.05	3.295	99.31026742
C_MAS74	92.02	4/13/2017 11:55	4.06	0	0.02	0	0	0	0	0	0	1	0	0.99	0.01	1	0	44.331	20.64	2.269	4.458	164.4272771
C_MAS75	81.5	4/13/2017 12:00	3.7	0	0.03	0	0	0	0	0	0	1	0	0.99	0.01	1	0	49.652	20.92	0.34	3.896	37.62653763
C_MAS76	108.6	4/13/2017 11:57	2.95	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	64.569	23.09	1.229	4.703	240.8500144
C_MAS77	169.89	4/13/2017 12:00	5.62	0.03	0.22	0	0	0	0	0	0	1	0	0	1	0.03	0	57.266	51.77	5.179	3.282	44.29598377
C_MAS78	33.32	4/13/2017 12:03	8.95	0.59	0.55	0	0	0	0	0	0	1	0	0	1	0	0	0	11.76	2.888	2.833	27.74191548
C_MAS79	38.81	4/13/2017 12:00	5.25	0	0.06	0	0	0	0	0	0	1	0	0.02	0.98	0.03	0	27.114	10.67	0.866	3.637	47.21711629
C_MAS8	958.29	4/13/2017 12:05	6.63	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	91.181	328.2	37.485	2.92	76.40556648
C_MAS80	45.21	4/13/2017 12:00	3.32	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	37.212	13.51	1.295	3.346	97.28608491
C_MAS81	40.06	4/13/2017 12:00	5.02	0	0.02	0	0	0	0	0	0	1	0	0.04	0.96	0.93	0	22.432	10.2	0.131	3.927	50.99364714
C_MAS83	33.83	4/13/2017 12:00	0.79	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	136.931	9.26	1.126	3.653	136.1405258
C_MAS84	37.86	4/13/2017 11:55	3.36	0	0.02	0	0	0	0	0	0	1	0	0.85	0.15	1	0	32.874	8.11	1.078	4.668	69.55755202
C_MAS85	57.84	4/13/2017 11:55	2.7	0	0.02	0	0	0	0	0	0	1	0	0.94	0.06	1	0	55.842	14.62	2.281	3.956	93.67955491
C_MAS86	47.79	4/13/2017 11:56	0.52	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	130.745	10.27	2.434	4.653	58.66021066
C_MAS87	31.2	4/13/2017 12:00	2.33	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	43.356	10.31	1.137	3.026	135.2008989
C_MAS88	80.93	4/13/2017 11:55	3.05	0	0.03	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	57.403	15.81	1.102	5.119	101.3504289
C_MAS89	123.55	4/13/2017 12:00	3.56	0.01	0.16	0	0	0	0	0	0	1	0	1	0	1	0	63.964	38.47	4.111	3.212	53.1919305
C_MAS9	935.86	4/13/2017 12:05	4.55	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	153.396	315.21	35.445	2.969	106.3752608
C_MAS90	61.9	4/13/2017 12:00	4.86	0	0.02	0	0	0	0	0	0	1	0	0.18	0.82	0.99	0	30.9	14.67	0.767	4.219	260.5380836
C_MAS92	34.06	4/13/2017 11:55	2.51	0	0.02	0	0	0	0	0	0	1	0	0.98	0.02	0.99	0	74.764	7.08	1.815	4.811	44.84152175
C_MAS93	48.2	4/13/2017 12:00	3.01	0	0.07	0	0	0	0	0	0	1	0	0.09	0.91	0.19	0	44.597	14.5	0.811	3.324	154.8969064
C_MAS94	52.27	4/13/2017 12:00	3.26	0.01	0.12	0	0	0	0	0	0	1	0	0.06	0.94	0.05	0	57.84	16.41	1.442	3.185	20.77832765
C_MAS96	29.51	4/13/2017 12:00	2.39	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	51.321	7.95	0.98	3.712	68.77161837
C_MAS97	52.81	4/13/2017 12:00	1.15	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	156.909	14.99	0.879	3.523	131.3779806
C_MAS98	980	4/13/2017 12:07	4.67	0.01	0.12	0	0	0	0	0	0	1	0	1	0	0.07	0	221.917	336.64	37.906	2.911	251.0841673
C_MAS99	283.32	4/13/2017 12:13	4.17	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	58.207	266.58	23.157	1.063	31.25805122
C1	14902.91	4/13/2017 16:01	6.18	0.29	0.64	0	0	0	0	0	0	1	0	1	0	0	0	354.829	3582.93	274.53	4.159	35.65413971
C100	1024.01	4/13/2017 12:23	15.34	0.65	0.79	0	0.01	0.55	0.01	1.05	0.01	1	0	0	1	0	0	0	557.95	64.942	1.835	25.96101939
C1002	56.73	4/13/2017 11:55	7.63	0	0.03	0	0	0	0	0	0	1	0	0.85	0.15	0.96	0	16.969	12.05	1.231	4.708	167.0154268
C1005	20.2	4/13/2017 12:00	0.7	0	0.03	0	0	0	0	0	0	1	0	0.65	0.35	0.95	0	131.953	6.01	0	3.361	83.20940672
C1006	46.44	4/13/2017 12:00	1.1	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	58.214	10.73	0.848	4.328	114.2036935
C1008	42.17	4/13/2017 12:00	1	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	193.419	13.81	0	3.054	101.1996715
C101	223.64	4/13/2017 12:26	2.65	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	130.325	400.64	16.31	0.558	84.12244562
C1013	11.12	4/13/2017 12:01	0.06	0	0.51	0	0.01	0.01	2.77	0.01	0.01	1	0	1	0	1	0	250.101	7.33	0.247	1.517	100.721408
C1018	22.38	4/13/2017 12:00	1.79	0	0.11	0	0	0	0	0	0	1	0	1	0	0.04	0	48.688	7.6	1.175	2.945	26.97037232
C1019	30.75	4/13/2017 12:00	1.53	0	0.03	0	0	0	0	0	0	1	0	0.21	0.79	0.3	0	100.68	9.48	0.87	3.244	270.6778555
C102	132.54	4/13/2017 12:04	3.75	0.07	0.38	0	0	0	0	0	0	1	0.13	0	0	0	0	58.387	177.14	7.223	0.748	14.50396621
C102_1	150.52	4/13/2017 12:03	2.03	0.02	0.29	0	0	0	0	0	0	1	0	1	0	1	0	53.875	177.14	7.223	0.85	158.9320858
C102_3	18.05	4/13/2017 12:04	4.37	0.56	0.57	0	0	0	0	0	0	1	0	1	0	0	0	0	177.14	7.223	0.102	10.07967313
C102_4	150.54	4/13/2017 12:04	4.28	0.01	0.19	0	0	0	0	0	0	1	0	1	0	1	0	44.994	177.14	7.223	0.85	92.41661199
C1022	43.37	4/13/2017 11:55	6.36	0	0.03	0	0	0	0	0	0	1	0	0.02	0.98	1	0	34.957	9.63	0.915	4.504	56.1684722
C1024	30.62	4/13/2017 12:00	0.75	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	154.461	8.91	0.468	3.437	109.9638358
C1025	8.16	4/13/2017 12:02	0.47	0	0.06	0	0	0	0	0	0	1	0	1	0	0.99	0	104.42	6.55	0.054	1.246	113.1207088
C1026	31.44	4/13/2017 12:00	0.8	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	70.832	8.77	0.128	3.585	187.8598095
C1029	73.74	4/13/2017 11:55	4.27	0	0.03	0	0	0	0	0	0	1	0	0.05	0.95	1	0	48.146	15.96	2.793	4.62	65.61683333
C103	302.43	4/13/2017 12:13	3.24	0.02	0.25	0	0	0	0	0	0	1	0	1	0	1	0	48.71	1470.98	32.095	0.206	178.5957232
C1030	26.44	4/13/2017 12:00	3.78	0	0.08	0	0	0	0	0	0	1	0	0.99	0.01	0.13	0	18.302	7.48	0.476	3.535	62.56276668
C1032	10.29	4/13/2017 11:55	1.01	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	51.836	3.13	0.756	3.288	22.78491269
C1037	77.93	4/13/2017 12:00	3.02	0	0.03	0	0	0	0	0	0	1	0	0.98	0.02	1	0	94.59	17.68	1.958	4.408	139.5464772
C1038	24.37	4/13/2017 12:00	1.2	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	120.612	6.3	0.098	3.868	156.9139468
C104	124.75	4/13/2017 12:15	1.44	0	0.02	0	0	0	0	0	0	1	0	1	0	0.98	0	397.914	81.12	2.737	1.538	261.6141289
C104_1	5219.83	4/13/2017 15:57	7.45	1.11	0.49	0	0.01	0.01	0.01	1.06	0.01	1	0	1	0	0	0	129.061	249.46	14.215	20.925	189.991246
C104_2	5233.02	4/13/2017 15:59	10.21	0.05	0.42	0	0	0	0	0	0	1	0	1	0	0.57	0	104.675	520.27	38.604	10.058	63.51776781
C1042	29.22	4/13/2017 12:00	2.06	0	0.02	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	70.782	7.23	0.606	4.041	136.3987378
C1044	52.17	4/13/2017 12:00	4.18	0	0.04	0	0	0	0	0	0	1	0	0	1	0.02	0	42.04	13.76	1.45	3.791	98.31669329
C1045	47.87	4/13/2017 12:00	4.6	0.03	0.2	0	0	0	0	0	0	1	0	0.04	0.96	0.04	0	31.611	14.65	0.844	3.268	126.5614761
C1047	109.21	4/13/2017 13:54	0.25	0	0.27	0	0	0	0	0	0	1	0	1	0	0.89	0	1339.497	6.26	0	17.446	105.6558867
C1048	26.48	4/13/2017 12:00	0.28	0	0.21	0	0	0	0	0	0	1	0	1	0	1	0	101.421	6.42	0.138	4.125	147.0528042
C104MAS	29.9	4/13/2017 12:05	5.08	0.1	0.29	0	0	0	0	0	0	1	0	0.86	0.14	0.85	0	0	30.78	1.792	0.971	16.20994649
C105	301.14	4/13/2017 12:12	2.42	0.01	0.19	0	0	0	0	0	0	1	0	1	0	1	0	100.475	1468.58	32.095	0.205	71.95812332
C1050_1	45.15	4/13/2017 12:00	1.65	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	58.8	11.64	1.097	3.879	127.5331789
C1050_2	28.44	4/13/2017 12:07	0.89	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	141.846	11.64	1.097	2.443	115.5785272
C1050_3	28.54	4/13/2017 12:05	8.13	0.17	0.33	0	0	0	0	0	0	1	0	0	1	0	0	0	11.64	1.097	2.452	21.13051429
C1050_4	13.19	4/13/2017 12:34	7.04	0.31	0.41	0	0	0	0	0	0	1	0	0	1	0	0	0	11.64	1.097	1.133	18.75848333
C1050_6	13.18	4/13/2017 12:36	1.4	0	0.05	0	0	0	0	0	0	1	0	0.16	0.84	0.08	0	64.494	11.64	1.097	1.132	140.5551877
C1052	14.24	4/13/2017 12:02	0.74	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	115.977	7.06	0.861	2.017	182.032511
C1053	47.16	4/13/2017 12:00	1.2	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	100.669	10.73	0.848	4.395	32.29938322

Conduits SWMM 5-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C1056	12.41	4/13/2017 12:00	0.91	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	82.422	7.33	0.247	1.693	34.03687906
C1058	33.5	4/13/2017 12:00	3.7	0	0.04	0	0	0	0	0	0	1	0	0.05	0.95	0.07	0	25.579	8.11	0.85	4.131	62.15875579
C1058MAS	58.94	4/13/2017 12:00	5.17	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	25.579	13.83	3.044	4.262	62.15875579
C1059	55.5	4/13/2017 12:00	3.01	0.02	0.51	0	0.01	0.01	2.59	0.01	0.01	1	0	1	0	1	0	31.083	24.1	1.565	2.303	35.53786437
C106	113.1	4/13/2017 12:34	2.11	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	85.771	160.06	5.898	0.707	36.28243121
C1060	46.66	4/13/2017 12:00	2.37	0	0.05	0	0	0	0	0	0	1	0	0.05	0.95	0	0	72.972	11.13	1.755	4.192	46.36631247
C1064	58.84	4/13/2017 12:00	0.83	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	176.478	18.28	1.363	3.219	89.14545344
C107	238.29	4/13/2017 12:04	1.26	0	0.19	0	0	0	0	0	0	1	0	1	0	0.95	0	289.251	388.08	14.38	0.614	140.2705732
C1071	43.46	4/13/2017 12:00	1.61	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	106.936	13.02	0.028	3.338	104.8904713
C1074	38.11	4/13/2017 11:55	1.4	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	88.263	8.01	0.953	4.758	17.89312618
C1077	23.18	4/13/2017 12:00	2.7	0	0.06	0	0	0	0	0	0	1	0	0.01	0.99	0.01	0	38.962	7.59	0.806	3.054	210.1136038
C1078	12.42	4/13/2017 12:00	1.01	0	0.02	0	0	0	0	0	0	1	0	1	0	0.34	0	92.912	4.91	0.289	2.53	89.59608087
C108	17.48	4/13/2017 12:11	7.98	0.79	0.68	0	0	0	0	0	0	1	0	0	1	0	0	0	44.12	4.437	0.396	22.49134274
C108_1	72.84	4/13/2017 12:08	7.55	0	0.06	0	0	0	0	0	0	1	0.91	0	0	0	0	38.557	44.12	4.437	1.651	23.63096731
C108_3	85.31	4/13/2017 12:11	0.54	0.01	0.47	0	0	0	0	0	0	1	0	1	0	1	0	206.345	44.12	4.437	1.934	209.8203606
C108_4	519.28	4/13/2017 12:45	4.77	0.24	0.76	0	0.01	0.01	0.36	1.07	0.01	1	0	1	0	0	0	0	1990.45	52.764	0.261	22.63773466
C1082	23.98	4/13/2017 12:00	8.5	0	0.14	0	0	0	0	0	0	1	0	0	1	0	0	48.214	9.3	0.517	2.578	164.7464878
C1083	34.17	4/13/2017 12:00	0.86	0	0.23	0	0	0	0	0	0	1	0	1	0	1	0	71.727	16.58	2.221	2.061	140.865769
C1084	0.5	4/13/2017 0:00	0.32	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	41.469	0	0	0	46.57938731
C1085	20.52	4/13/2017 12:00	1.67	0	0.03	0	0	0	0	0	0	1	0	1	0	0.99	0	61.711	7.22	0	2.842	105.841761
C1086	35.32	4/13/2017 12:00	1.24	0	0.07	0	0	0	0	0	0	1	0	1	0	0.97	0	165.956	9.61	0.626	3.675	50.32066099
C109_1	10009.23	4/13/2017 15:02	5.96	0.01	0.25	0	0	0	0	0	0	1	0	1	0	0.9	0	287.264	456.3	23.87	21.936	262.7382319
C109_2	10007.67	4/13/2017 15:04	7.32	0.01	0.23	0	0	0	0	0	0	1	0	1	0	0	0	243.396	552.76	30.156	18.105	43.22506291
C1090_2MAS	47.05	4/13/2017 11:56	1.68	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	85.111	9.01	1.501	5.222	38.78147154
C1090_3MAS	26.9	4/13/2017 11:55	9.07	0.62	0.58	0	0.01	0.36	0.01	0.01	0.01	1	0	0	1	0	0	0	9.01	1.501	2.986	15.59843263
C1090_4MAS	47.77	4/13/2017 11:55	3.3	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	47.823	9.01	1.501	5.302	70.95981692
C1094	74.83	4/13/2017 11:55	3.2	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	62.271	15.96	2.793	4.689	50.59601092
C1098	23.92	4/13/2017 12:00	2.65	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	31.77	7.59	0.806	3.152	16.48661161
C110	219.81	4/13/2017 12:25	8.87	0.79	0.61	0	0.01	0.01	0.01	1.54	0.01	1	0	0	1	0	0	0	396.18	15.51	0.555	22.55410422
C1103	29.59	4/13/2017 11:55	2.36	0	0.02	0	0	0	0	0	0	1	0	0.96	0.04	1	0	67.756	7.39	1.043	4.004	125.9376936
C1105	12.28	4/13/2017 12:00	2.05	0	0.03	0	0	0	0	0	0	1	0	0.07	0.93	0.19	0	18.341	3.79	0.497	3.24	28.9085687
C111	71.25	4/13/2017 12:01	0.77	0.01	0.3	0	0	0	0	0	0	1	0	1	0	1	0	130.008	23.14	1.461	3.079	171.2125289
C1111	7.36	4/13/2017 12:00	0.26	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	177.787	3.74	0.28	1.968	49.05455827
C1113	13.33	4/13/2017 12:00	1.13	0	0.07	0	0	0	0	0	0	1	0	1	0	0.46	0	69.098	7.99	0.939	1.668	152.4444202
C1115	26.93	4/13/2017 12:00	0.32	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	76.691	6.88	0.612	3.914	134.6973729
C1117	2468.83	4/13/2017 13:58	6.82	0.11	0.45	0	0	0	0	0	0	1	0	1	0	0.81	0	93.23	733.72	31.25	3.365	207.719163
C1118	2444.72	4/13/2017 13:51	5.61	0.16	0.45	0	0	0	0	0	0	1	0	1	0	0	0	173.306	618.01	24.663	3.956	128.7753256
C1119	2387.93	4/13/2017 13:42	4.49	0.1	0.41	0	0	0	0	0	0	1	0	1	0	0.24	0	202.193	50.3	1.709	47.474	248.9862777
C112	10011.84	4/13/2017 15:00	3.02	0.02	0.27	0	0	0	0	0	0	1	0	1	0	0	0	411.042	441.33	23.472	22.686	126.5717088
C1120	2393.82	4/13/2017 13:30	7.07	0.04	0.26	0	0	0	0	0	0	1	0	0.53	0.47	0.23	0	100.738	0	0	0	130.2074398
C1121	9992.06	4/13/2017 15:08	6.6	0.06	0.36	0	0	0	0	0	0	1	0	1	0	0.52	0	284.96	616.6	34.617	16.205	25.97577168
C1122	467.15	4/13/2017 12:30	7.98	0	0.1	0	0	0	0	0	0	1	0	0.92	0.08	0	0	37.682	1637.95	37.221	0.285	126.6783642
C1123	10000.58	4/13/2017 15:07	7.96	0.04	0.22	0	0	0	0	0	0	1	0	1	0	0.34	0	228.035	594.66	33.302	16.817	203.2019753
C1124	362.25	4/13/2017 12:21	1.98	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	149.083	1532.58	32.968	0.236	75.83501991
C1125	362.75	4/13/2017 12:20	2.66	0	0.07	0	0	0	0	0	0	1	0	1	0	0.04	0	128.203	1532.58	32.968	0.237	66.21050872
C1127	287.65	4/13/2017 12:11	3.28	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	99.732	1460.15	32.095	0.197	61.49793485
C1129	10024.5	4/13/2017 14:55	6.53	0.04	0.2	0	0	0	0	0	0	1	0	1	0	0.49	0	242.596	401.95	21.079	24.94	116.7756267
C113	241.04	4/13/2017 12:09	2.81	0	0.11	0	0	0	0	0	0	1	0	1	0	0.99	0	89.177	381.42	14.371	0.632	86.70767833
C1130	5243.97	4/13/2017 15:50	5.65	0.07	0.4	0	0	0	0	0	0	1	0	1	0	0.83	0	164.222	210.63	13.23	24.897	206.0945883
C1131	10005.61	4/13/2017 14:52	7.84	0.04	0.22	0	0	0	0	0	0	1	0	1	0	0.09	0	216.741	263.32	9.948	37.998	43.97229413
C1133	1043.83	4/13/2017 12:24	7.62	0	0.08	0	0	0	0	0	0	1	0	0.93	0.02	0.94	0	170.847	572.4	68.021	1.824	212.6397409
C1134	75.48	4/13/2017 12:10	2.4	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	64.931	1363.61	28.637	0.055	197.0981842
C1140	71.84	4/13/2017 13:57	2.81	0	0.09	0	0	0	0	0	0	1	0	0.69	0.31	0	0	83.908	1333.52	27.051	0.054	22.8517174
C1142	104.18	4/13/2017 12:00	1.65	0.01	0.11	0	0	0	0	0	0	1	0	1	0	0.94	0	107.656	144.21	3.966	0.722	97.30277015
C1146	366.2	4/13/2017 12:07	5.74	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	57.24	120.91	18.56	3.029	599.4957905
C1148	63.08	4/13/2017 12:20	1.46	0	0.1	0	0	0	0	0	0	1	0	1	0	0.13	0	159.46	40.39	2.452	1.562	228.382814
C115	281.91	4/13/2017 12:10	3.29	0	0.11	0	0	0	0	0	0	1	0	1	0	0	0	89.359	1456.34	32.095	0.194	159.0478956
C1150	65.65	4/13/2017 12:32	1.59	0.01	0.19	0	0	0	0	0	0	1	0	1	0	1	0	108.601	96.94	3.681	0.677	73.54189162
C1153	33.34	4/13/2017 12:14	2.68	0	0.08	0	0	0	0	0	0	1	0	0.02	0.98	0	0	52.076	22.56	0.587	1.478	119.436237
C1155	318.16	4/13/2017 12:04	3.56	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	66.791	106.73	9.461	2.981	67.581434
C1156	29.97	4/13/2017 11:58	1.11	0	0.03	0	0	0	0	0	0	1	0	1	0	0.99	0	119.354	112.07	6.922	0.267	95.35977866
C116	242.43	4/13/2017 12:04	7.09	0.96	0.65	0	0.01	0.01	0.01	1.41	0.01	1	0	0.95	0.05	0	0.65	0	381.42	14.371	0.636	18.14781851
C1162	192.06	4/13/2017 12:00	5.46	0	0.05	0	0	0	0	0	0	1	0	0.82	0.18	0.83	0	71.538	44.8	0.383	4.287	175.1175295
C1163	117.05	4/13/2017 12:00	4.01	0	0.02	0	0	0	0	0	0	1	0	0	1	0	0	97.247	41.06	4.202	2.851	63.57916388
C1169	186.41	4/13/2017 12:05	2.2	0	0.1	0	0	0	0	0	0	1	0	0.29	0.71	0.3	0	163.982	64.57	6.26	2.887	196.8789639
C117	47.53	4/13/2017 12:00	1.06	0.01	0.1	0	0	0	0	0	0	1	0	1	0	0	0	132.374	15.03	1.063	3.162	97.76453973
C1170	100.22	4/13/2017 12:00	2.72	0	0.12	0	0	0	0	0	0	1	0	0.63	0.37	0.29	0	100.633	29.92	3.863	3.35	24.97698846
C1171	104.72	4/13/2017 12:03	0.81	0	0.12	0	0	0	0	0	0	1	0	1	0	0	0	550.446	45.05	2.152	2.325	30.59934703
C1172	32	4/13/2017 12:05	0.77	0	0.23	0	0	0	0	0	0	1	0	1	0	1	0	122.956	25.72	0.368	1.244	96.98223412
C1174	230.89	4/13/2017 11:57	6.73	0	0.1	0	0	0	0	0	0	1	0	0	1	0	0	58.399	53.17	5.187	4.342	74.7063057

Conduits SWMM 5-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C1175	66.49	4/13/2017 12:00	2.05	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	135.85	42.42	2.148	1.567	58.07919702
C1176	57.07	4/13/2017 12:00	4.03	0	0.11	0	0	0	0	0	0	1	0	0.86	0.14	0.86	0	24.046	55.08	4.06	1.036	102.9913105
C1178	35.03	4/13/2017 12:09	0.49	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	119.416	16.26	1.755	2.154	129.3607875
C118	5222.75	4/13/2017 15:55	3.85	0.07	0.56	0	0	0	0	0	0	1	0	1	0	0.51	0	202.53	238.05	14.105	21.94	269.929716
C1182_1	29.33	4/13/2017 12:15	2.6	0	0.01	0	0	0	0	0	0	1	0	0.84	0.16	0.93	0	52.751	18.24	1.619	1.608	158.0345313
C1182_2	47.76	4/13/2017 12:00	0.95	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	187.757	29.2	2.31	1.636	53.83679179
C1183	201.3	4/13/2017 12:00	7.03	0	0.07	0	0	0	0	0	0	1	0	0	1	0.02	0	40.916	50.69	6.821	3.971	32.20754755
C1185	184.67	4/13/2017 12:00	2.64	0	0.07	0	0	0	0	0	0	1	0	0.13	0.87	0.05	0	145.737	47.05	4.597	3.925	148.4513429
C1186	161.04	4/13/2017 12:00	1.61	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	159	36.07	2.751	4.465	148.7884592
C1188	56.24	4/13/2017 12:01	4.81	0	0.12	0	0	0	0	0	0	1	0	0.21	0.79	0.21	0	67.745	16.78	0.9	3.352	78.26627234
C1189_1	78.58	4/13/2017 12:05	8.5	0.78	0.64	0	0.01	0.14	0.01	0.46	0.01	1	0	0.86	0.14	0.86	0	0	29.26	0.902	2.686	23.28846921
C1189_2	89.39	4/13/2017 12:01	5.14	0	0.08	0	0	0	0	0	0	1	0	0	1	0.02	0	38.471	32.53	1.246	2.748	119.7294687
C119	228.79	4/13/2017 12:09	1.13	0	0.24	0	0	0	0	0	0	1	0	1	0	0.95	0	194.442	373.68	13.843	0.612	37.37632583
C1190	60.06	4/13/2017 12:02	1.82	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	186.094	26.79	4.098	2.242	94.58183851
C1194	56.62	4/13/2017 12:01	1.39	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	80.942	18.21	0	3.109	44.25698999
C1199	92.72	4/13/2017 12:00	3.21	0	0.04	0	0	0	0	0	0	1	0	0.98	0.02	0.97	0	84.641	23.74	1.348	3.906	57.96092798
C12	2468.81	4/13/2017 13:58	6.65	0.01	0.22	0	0	0	0	0	0	1	0	1	0	0	0	137.602	757.82	32.815	3.258	87.06811725
C120	283.31	4/13/2017 12:08	3.74	0	0.13	0	0	0	0	0	0	1	0	1	0	0.01	0	68.613	1456.34	32.095	0.195	64.99777017
C1200_1	15.07	4/13/2017 12:00	1.51	0	0.03	0	0	0	0	0	0	1	0	0.6	0.4	1	0	75.982	4.5	1.125	3.349	120.0100862
C1200_2	22.86	4/13/2017 12:00	1.82	0	0.06	0	0	0	0	0	0	1	0	0.35	0.65	0.37	0	112.342	7.22	1.543	3.166	88.32854362
C121	28.42	4/13/2017 12:00	0.69	0.03	0.64	0	0.01	0.01	2.06	0.01	0.01	1	0	1	0	1	0	159.581	12.83	2.164	2.215	73.76506246
C1214	26.85	4/13/2017 12:09	0.78	0	0.05	0	0	0	0	0	0	1	0	1	0	0.98	0	150.026	10.98	0.546	2.445	259.8767502
C1216	24.67	4/13/2017 12:00	0.5	0	0.48	0	0	0	0	0	0	1	0	1	0	1	0	226.145	11.94	0.124	2.066	96.75411289
C122	10016.82	4/13/2017 14:58	4.2	0.02	0.27	0	0	0	0	0	0	1	0	1	0	0.51	0	361.765	435	23.363	23.027	148.5642464
C1226	27.62	4/13/2017 12:01	1.47	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	72.468	9.44	0	2.926	47.72933515
C1229MAS	7.15	4/13/2017 12:01	1.04	0	0.06	0	0	0	0	0	0	1	0	1	0	0.07	0	35.752	5.78	0.532	1.237	21.60098485
C123	204.32	4/13/2017 12:01	1.7	0	0.15	0	0	0	0	0	0	1	0	1	0	0.97	0	121.717	349.87	12.194	0.584	78.48207815
C1231	84.86	4/13/2017 11:55	3.88	0	0.03	0	0	0	0	0	0	1	0	0.11	0.89	1	0	55.174	19.02	2.028	4.462	82.60441872
C1235	67.1	4/13/2017 11:55	4.68	0	0.03	0	0	0	0	0	0	1	0	0	1	0.02	0	51.282	14.1	3.189	4.759	75.02390329
C1236	17.81	4/13/2017 12:14	4.91	0	0.11	0	0	0	0	0	0	1	0	0.03	0.97	0.1	0	17.816	15.54	1.258	1.146	18.86385015
C1237	37.63	4/13/2017 12:00	8.97	0.51	0.57	0	0.01	0.54	0.01	0.01	0.01	1	0	0.01	0.99	0	0.33	0	13.01	1.687	2.892	14.32666433
C124	218.73	4/13/2017 12:00	3.54	0.01	0.11	0	0	0	0	0	0	1	0	1	0	0.03	0	74.716	349.87	12.194	0.625	18.00893231
C1247	24.73	4/13/2017 12:00	1.26	0	0.09	0	0	0	0	0	0	1	0	1	0	0.99	0	68.773	7.08	0.228	3.493	180.5562606
C125	5232.51	4/13/2017 15:53	3.42	0.1	0.58	0	0	0	0	0	0	1	0	1	0	0.54	0	372.162	218.67	13.815	23.929	127.2466166
C126	115.52	4/13/2017 12:01	10.83	0.06	0.24	0	0	0	0	0	0	1.19	0	0	1	0	0	0	26.52	5.878	4.356	11.95041262
C126MAS	17.89	4/13/2017 12:01	2.15	0	0.09	0	0	0	0	0	0	1	0	0.1	0	0.09	0	46.19	7.96	0.533	2.247	121.3607915
C127	10024.62	4/13/2017 14:55	6.31	0.02	0.22	0	0	0	0	0	0	1	0	1	0	1	0	328.275	417.98	22.75	23.983	132.8692098
C128	171.63	4/13/2017 12:08	2.09	0.01	0.14	0	0	0	0	0	0	1	0	1	0	1	0	67.536	1404.98	29.446	0.122	127.0068289
C129	88.16	4/13/2017 12:05	2.02	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	83.859	35.14	0.809	2.509	57.84401918
C13	272.36	4/13/2017 12:06	1.65	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	264.619	191.79	17.143	1.42	87.61870083
C130	222.96	4/13/2017 12:00	3.76	0	0.08	0	0	0	0	0	0	1	0	1	0	0.94	0	102.763	349.87	12.194	0.637	112.9958927
C131	28.78	4/13/2017 12:00	0.19	0	0.22	0	0	0	0	0	0	1	0	1	0	1	0	313.791	9.77	1.021	2.946	190.2701463
C131_2	86.42	4/13/2017 11:55	4.68	0	0.08	0	0	0	0	0	0	1	0	0	1	1	0	61.408	25.44	5.286	3.397	62.28937043
C131_3	129.98	4/13/2017 12:00	5.03	0	0.1	0	0	0	0	0	0	1	0	0	1	0.84	0	71.837	39	7.166	3.333	57.64370575
C131_4	147.96	4/13/2017 12:00	4.78	0	0.11	0	0	0	0	0	0	1	0	0.97	0.03	1	0	75.244	45.45	7.996	3.255	94.63654423
C131_5	109.08	4/13/2017 12:00	4.72	0	0.09	0	0	0	0	0	0	1	0	0	1	1	0	64.954	32.26	6.458	3.381	77.49932703
C131MAS	0.5	4/13/2017 0:00	0	0	0.51	0	0.01	0.01	24	0.01	0.01	1	0	1	0	1	0	150.075	7.96	0.533	0.063	108.8107004
C132	145.71	4/13/2017 12:45	4.94	0	0.25	0	0	0	0	0	0	1	0.49	0	0	0	0	41.099	1990.45	52.764	0.073	29.8068504
C132_1	71.97	4/13/2017 12:00	2.66	0.09	0.6	0	0.01	0.01	0.59	0.01	0.01	1	0	1	0	0.99	0	89.38	22.33	2.527	3.223	43.90420206
C133	81.02	4/13/2017 12:05	2.31	0.01	0.1	0	0	0	0	0	0	1	0	1	0	0.96	0	53.355	32.17	0.809	2.518	90.95011962
C134	41.03	4/13/2017 12:00	1.37	0	0.49	0	0	0	0	0	0	1	0	1	0	1	0	234.126	15.09	1.539	2.719	130.2865694
C134MAS	7.37	4/13/2017 11:56	1.02	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	36.09	5.78	0.532	1.275	100.7501423
C135	38.93	4/13/2017 12:00	0.47	0.03	0.66	0	0.01	0.01	4.84	0.01	0.01	1	0	1	0	1	0	239.892	14.39	0.714	2.705	112.7035932
C136	10024.63	4/13/2017 14:54	6.73	0.05	0.21	0	0	0	0	0	0	1	0	1	0	0	0	231.793	396.01	21.079	25.314	54.31877488
C137MAS	0.18	4/13/2017 0:00	0.17	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	80.245	23.2	1.538	0.008	43.68939568
C138	28.72	4/13/2017 12:00	1.5	0	0.23	0	0	0	0	0	0	1	0	1	0	1	0	107.54	12.98	0.024	2.213	94.50369512
C139	10005.47	4/13/2017 14:54	4.74	0.06	0.27	0	0	0	0	0	0	1	0	1	0	0.27	0	307.409	295.37	12.261	33.874	40.092379
C13MAS	21.26	4/13/2017 12:01	0.75	0.44	1	0	17.11	17.11	24	0.01	0.01	1	0	1	0	0.14	0	70.77	55.92	4.959	0.38	138.7694072
C14	264.76	4/13/2017 12:04	2.49	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	214.145	120.91	18.56	2.19	19.2383905
C140	28.91	4/13/2017 12:00	0.98	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	221.93	10.81	0.103	2.674	50.873717
C141	17.18	4/13/2017 12:13	1.13	0	0.06	0	0	0	0	0	0	1	0	1	0	0.85	0	84.936	16.07	0.368	1.069	67.00291779
C142	31.03	4/13/2017 12:00	0.8	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	194.125	34.94	0.603	0.888	67.55128063
C142_1	99.45	4/13/2017 12:08	1.6	0.01	0.18	0	0	0	0	0	0	1	0	1	0	0.98	0	166.344	25.68	0.026	3.873	350.4029619
C142_3	13.03	4/13/2017 12:49	7.89	0.19	0.29	0	0	0	0	0	0	1	0	0.01	0.99	0.02	0	0	25.68	0.026	0.507	19.00183855
C143	5250.63	4/13/2017 15:47	7.55	0.05	0.24	0	0	0	0	0	0	1	0	1	0	0	0	132.313	203.97	13.184	25.742	117.533361
C144	10004.83	4/13/2017 14:53	8.77	0.12	0.25	0	0	0	0	0	0	1	0	1	0	0	0	207.149	266.17	9.951	37.588	81.98682553
C145	14129.29	4/13/2017 15:55	5.81	0.15	0.6	0	0	0	0	0	0	1	0	1	0	0.52	0	369.367	2544.34	227.774	5.553	149.0851065
C146	609.44	4/13/2017 12:35	2.48	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	262.139	1856.22	45.633	0.328	99.4832732
C147	677.36	4/13/2017 12:51	3.61	0.02	0.21	0	0	0	0	0	0	1	0	1	0	0.97	0	97.488	2058.64	57.444	0.329	106.0549089
C148	460.36	4/13/2017 12:05	7	0.3	0.32	0	0	0	0	0	0	1	0	1	0	0.31	0	42.457	166.62	14.97	2.763	40.58006467

Conduits SWMM 5-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C148_1	15041.9	4/13/2017 16:12	6.89	0.23	0.6	0	0	0	0	0	0	1	0	1	0	0	0	296.951	6258.68	379.747	2.403	241.1631649
C148_2	14942.61	4/13/2017 16:12	7.43	0.21	0.57	0	0	0	0	0	0	1	0	1	0	0.4	0	269.928	6267.81	379.747	2.384	105.0540261
C149	67.33	4/13/2017 12:02	2.09	0	0.07	0	0	0	0	0	0	1	0	1	0	0.92	0	47.019	24.71	0.809	2.725	202.6466293
C14MAS	26.06	4/13/2017 11:55	14.26	0.4	0.4	0	0	0	0	0	0	1	0	0.01	0.99	0.03	0	0	6.1	1.352	4.272	46.95632222
C15	2443.41	4/13/2017 13:53	6.19	0.12	0.57	0	0	0	0	0	0	1	0	1	0	0.58	0	88.827	633.8	25.017	3.855	129.1669829
C150	16076.87	4/13/2017 16:11	7.31	0.06	0.47	0	0	0	0	0	0	1	0	1	0	0.5	0	337.114	4077.31	317.986	3.943	120.3931187
C151	685.78	4/13/2017 13:00	2.3	0	0.36	0	0	0	0	0	0	1	0	1	0	1	0	414.944	2170.36	61.761	0.316	146.3999689
C153	16743.17	4/13/2017 16:10	15.77	0.13	0.39	0	0	0	0	0	0	1	0	0.91	0.09	0	0	209.292	4058.5	317.96	4.125	244.4079239
C155	55.49	4/13/2017 12:01	3.62	0	0.09	0	0	0	0	0	0	1	0	1	0	0.11	0	31.367	19.06	0.809	2.911	67.39341929
C156	23.43	4/13/2017 12:00	8.5	0	0.02	0	0	0	0	0	0	1	0	0.09	0.91	0.28	0	13.51	8.29	0.146	2.826	113.0468177
C156_1	64.74	4/13/2017 12:09	13.87	0.03	0.08	0	0	0	0	0	0	1	0	0	1	0.15	0	0	40.12	1.4	1.614	19.2735308
C156_10	59.05	4/13/2017 12:17	1.71	0	0	0	0	0	0	0	0	1	0	1	0	0.63	0	0	40.12	1.4	1.472	196.7355759
C156_2	456.46	4/13/2017 12:15	1.04	0	0.04	0	0	0	0	0	0	1	0	1	0	0	0	281.146	301.92	22.833	1.512	199.5665799
C156_3	449.07	4/13/2017 12:05	6.44	0	0.02	0	0	0	0	0	0	1	0	0	1	0	0	125.285	173.2	15.616	2.593	142.8049504
C156_4	203.56	4/13/2017 12:06	14.31	0.07	0.24	0	0	0	0	0	0	1	0	0.79	0.21	1	0	0	191.79	17.143	1.061	78.65830788
C156_5	517.65	4/13/2017 12:10	1.63	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	281.146	284.56	22.341	1.819	95.73781531
C156_6	56.94	4/13/2017 12:26	1.87	0	0	0	0	0	0	0	0	1	0	0.98	0.02	0.97	0	0	48.41	1.547	1.176	191.9187699
C156_7	10.85	4/13/2017 12:04	0.36	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	5.75	0.315	1.887	458.6829265
C156_9	456.82	4/13/2017 12:08	3.68	0	0.02	0	0	0	0	0	0	1	0	0.41	0.59	0.94	0	125.285	191.79	17.143	2.382	207.0880666
C157	10006.62	4/13/2017 14:52	8.2	0.09	0.24	0	0	0	0	0	0	1	0	1	0	0	0	217.018	263.32	9.948	38.002	117.4982434
C158	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	25.68	0.026	0	27.37804003
C158_1	50.77	4/13/2017 12:01	0.16	0	0.1	0	0	0	0	0	0	1	0	1	0	0.51	0	377.305	15.04	1.925	3.376	203.1621974
C158_2	38.61	4/13/2017 12:00	1.59	0.03	0.23	0	0	0	0	0	0	1	0	1	0	0.02	0	68.185	8.41	0.726	4.591	139.1339495
C158_3	13.37	4/13/2017 12:01	0.71	0	0.02	0	0	0	0	0	0	1	0	1	0	0	0	59.429	38.73	4.016	0.345	99.20225412
C158_4	65.13	4/13/2017 12:01	2.01	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	91.287	57.55	4.171	1.132	294.6163113
C158_5	52.9	4/13/2017 12:00	0.99	0.01	0.55	0	0.01	0.01	9.29	0.01	0.01	1	0	1	0	1	0	97.482	12.62	1.214	4.192	214.4748863
C159	16460.38	4/13/2017 16:06	7.89	0.27	0.66	0	0.01	0.01	0.01	6.45	0.01	1	0	1	0	0	0	0	4013.66	315.389	4.101	18.11999307
C16	2443.9	4/13/2017 13:52	4.69	0.41	0.67	0	0	0	0	0	0	1	0	1	0	0.77	0	191.217	628.7	25.017	3.887	91.31941558
C160	5252.95	4/13/2017 15:47	8.09	0.26	0.36	0	0	0	0	0	0	1	0	1	0	0	0	89.526	199.02	12.688	26.394	185.5539813
C161	30.47	4/13/2017 12:00	1.42	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	56.507	10.78	0.809	2.827	72.05695163
C162	1.05	4/13/2017 12:00	1.77	0.03	0.15	0	0	0	0	0	0	1	0	1	0	1	0	0	256.244	4.15	0.004	15.99459118
C162_1	257.73	4/13/2017 12:16	3.52	0	0.07	0	0	0	0	0	0	1	0	0.9	0.1	0.16	0	175.469	261.26	24.142	0.986	117.727412
C162_2	257.5	4/13/2017 12:17	1.1	0	0.19	0	0	0	0	0	0	1	0	1	0	0.84	0	377.235	264.93	24.362	0.972	74.01415268
C163	264.25	4/13/2017 12:00	3.26	0.01	0.12	0	0	0	0	0	0	1	0	1	0	1	0	194.334	256.244	4.15	1.031	19.29774653
C164	240.04	4/13/2017 12:13	3.49	0	0.06	0	0	0	0	0	0	1	0	1	0	0.97	0	96.027	221.24	22.866	1.085	58.61258172
C165	246.86	4/13/2017 12:10	3.63	0	0.16	0	0	0	0	0	0	1	0	0.96	0.04	1	0	143.447	247.57	9.943	0.997	118.8251099
C166	44.46	4/13/2017 12:00	0.1	0	0.34	0	0	0	0	0	0	2.34	0	1	0	0.9	0	398.086	12.26	1.413	3.626	4.084565723
C167	17.45	4/13/2017 12:44	0.7	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	69.02	32.1	1.839	0.544	18.611893
C168	32.26	4/13/2017 12:04	2.43	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	45.991	12.26	1.413	2.631	71.5852313
C169	14.24	4/13/2017 12:03	0.79	0	0.3	0	0	0	0	0	0	1	0	1	0	0.76	0	200.863	4.88	0.835	2.918	113.8881642
C171	5258.07	4/13/2017 15:43	4.66	0.18	0.6	0	0	0	0	0	0	1	0	1	0	0.49	0	178.401	90.61	1.033	58.03	92.81366617
C172	1140.53	4/13/2017 12:12	6.98	0	0.18	0	0	0	0	0	0	1	0	0.04	0.96	0.05	0	152.249	528.49	60.574	2.158	183.8750663
C173	154.59	4/13/2017 12:11	1.21	0.72	1	0	7.93	7.93	11.95	0.01	0.01	1	0	1	0	0.5	0	198.75	174.65	6.391	0.885	231.0692479
C175	286.5	4/13/2017 12:04	13.55	0.04	0.39	0	0	0	0	0	0	1	0.97	0	0.01	0.01	0	45.411	166.62	14.97	1.719	19.74204992
C178	237.66	4/13/2017 12:09	5.87	0	0.08	0	0	0	0	0	0	1	0	0	1	0.13	0	63.146	241.71	9.782	0.983	59.68547841
C179_2	17.51	4/13/2017 12:00	1.41	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	39.677	5.75	0.476	3.045	101.5518102
C18	2444.8	4/13/2017 13:50	5.01	0.04	0.33	0	0	0	0	0	0	1	0	1	0	0.91	0	177.068	618.01	24.663	3.956	52.79595011
C181	25.92	4/13/2017 12:10	8.16	0.2	0.28	0	0	0	0	0	0	1	0	0	1	0	0	0	11.6	1.712	2.234	21.63096744
C182	1123.35	4/13/2017 12:11	3.8	0.01	0.16	0	0	0	0	0	0	1	0	1	0	0.97	0	130.489	516.37	59.748	2.175	66.66765802
C187	71.47	4/13/2017 14:11	2.09	0	0.06	0	0	0	0	0	0	1	0	1	0	0	0	51.226	1355.07	28.491	0.053	85.14514533
C188	37.35	4/13/2017 12:06	8.34	0.29	0.35	0	0	0	0	0	0	1	0	0.72	0.28	0.82	0	0	17.87	2.405	2.09	18.7454763
C19	2445.25	4/13/2017 13:49	5.2	0.1	0.38	0	0	0	0	0	0	1	0	1	0	0	0	196.091	606.91	24.663	4.029	157.2802177
C190	85.45	4/13/2017 12:10	10.34	0.64	0.63	0	0.01	0.56	0.01	0.7	0.01	1	0	0	1	0	0	0	50.9	4.137	1.679	9.212501095
C191	202.85	4/13/2017 12:07	1.33	0.01	0.19	0	0	0	0	0	0	1	0	1	0	1	0	379.544	166.63	6.317	1.217	116.798726
C192	5264.71	4/13/2017 15:42	7.01	0.27	0.67	0	0	0	0	0	0	1	0	1	0	0.89	0	146.979	83.18	0.991	63.293	167.1352811
C193	813.13	4/13/2017 12:11	5.04	0.02	0.13	0	0	0	0	0	0	1	0	1	0	0	0	70.592	402.44	50.036	2.02	109.8856289
C194	169.24	4/13/2017 12:18	3.02	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	69.472	160.74	13.189	1.053	207.61383
C195	37.34	4/13/2017 12:07	1.47	0	0.24	0	0	0	0	0	0	1	0	0.23	0.77	0.12	0	85.113	17.87	2.405	2.09	35.73286516
C195_1MAS	208.83	4/13/2017 12:09	4.49	0.07	0.31	0	0	0	0	0	0	1	0	1	0	1	0	45.701	210.93	7.99	0.99	78.32767236
C195_2MAS	237.71	4/13/2017 12:09	5.59	0.02	0.17	0	0	0	0	0	0	1	0	0.95	0.05	0	0	53.601	241.71	9.782	0.983	47.9469063
C196	196.3	4/13/2017 12:05	4.07	0.02	0.12	0	0	0	0	0	0	1	0	0.97	0.03	0	0	113.563	163.2	6.011	1.203	33.24311361
C198	156.7	4/13/2017 12:04	2.2	0.02	0.24	0	0	0	0	0	0	1	0	1	0	0.29	0	157.265	142.79	5.198	1.097	16.1155425
C2	686.14	4/13/2017 12:59	4.82	0.01	0.17	0	0	0	0	0	0	1	0	1	0	1	0	116.952	2161.03	61.437	0.318	76.22893788
C20	2445.36	4/13/2017 13:48	6.99	0.38	0.45	0	0	0	0	0	0	1	0	1	0	0	0	186.407	597.72	24.663	4.091	85.4615271
C201	60.17	4/13/2017 12:04	5.28	0.05	0.27	0	0	0	0	0	0	1	0	0.98	0.02	1	0	0	120.91	18.56	0.498	19.2383905
C202	5266.88	4/13/2017 15:42	6.95	0.11	0.42	0	0	0	0	0	0	1	0	1	0	0.19	0	140.739	83.18	0.991	63.319	63.49094038
C203_1	148.33	4/13/2017 12:07	5.68	0.01	0.11	0	0	0	0	0	0	1	0	0.96	0.04	0	0	31.092	182.96	13.215	0.811	140.3676175
C203_2	159.43	4/13/2017 12:07	5.22	0	0.45	0	0	0	0	0	0	1	0	1	0	1	0	92.942	193.25	13.502	0.825	105.886735
C205	14.86	4/13/2017 12:44	7.84	0.71	0.58	0	0.01	3.97	0.01	0.01	0.01	1	0	0	1	0	0	0	32.1	1.839	0.463	14.49410229
C206_2	209.27	4/13/2017 12:08	3.13	0.13	0.4	0	0	0	0	0	0	1	0	1	0	0	0	115.915	210.93	7.99	0.992	58.54147829

Conduits SWMM 5-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C208	474.99	4/13/2017 12:18	11.26	0.87	0.67	0	0.01	0.38	0.01	1.08	0.01	1	0	0	1	0	0	0	273.04	25.157	1.74	20.07880393
C209	43.14	4/13/2017 12:06	9.2	0.28	0.37	0	0	0	0	0	0	1	0	0.05	0.95	0.73	0	0	20.48	2.44	2.106	16.48412585
C21	50.86	4/13/2017 12:04	0.13	0	0.17	0	0	0	0	0	0	1	0	1	0	0	0	660.816	55.76	3.131	0.912	87.07768366
C211	71.9	4/13/2017 14:00	1.32	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	97.286	1338.37	27.806	0.054	201.7060425
C212	132.82	4/13/2017 12:04	0.95	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	210.172	171.23	11.847	0.776	79.13146019
C213	167.74	4/13/2017 12:16	4.01	0.01	0.15	0	0	0	0	0	0	1	0	1	0	0.71	0	28.61	152.87	11.746	1.097	208.2309484
C214	530.58	4/13/2017 12:07	7.13	0	0.12	0	0	0	0	0	0	1	0	0.02	0.98	0.02	0	125.084	264.48	23.894	2.006	77.338821
C218	71.83	4/13/2017 13:57	1.65	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	122.587	1333.52	27.051	0.054	55.12502273
C219	81.15	4/13/2017 12:00	1.74	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	80.253	23.46	2.514	3.459	101.7718422
C22	2445.44	4/13/2017 13:47	5.48	0	0.19	0	0	0	0	0	0	1	0	1	0	1	0	162.972	561.59	23.502	4.354	115.4256638
C220	130.12	4/13/2017 12:00	1.88	0.01	0.14	0	0	0	0	0	0	1	0	1	0	1	0	161.781	128.98	5.198	1.009	207.8111619
C221	19.67	4/13/2017 11:59	3.31	1.68	1	0	11.94	12.03	11.94	0.3	0.04	1	0	0.54	0	0	0	0	63.59	3.676	0.309	98.35635769
C223	169.23	4/13/2017 12:09	1.75	0.01	0.16	0	0	0	0	0	0	1	0	1	0	1	0	101.856	111.87	12.188	1.513	50.45438237
C229	183.46	4/13/2017 12:06	2.15	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	247.324	140.69	9.875	1.304	113.1197877
C23	84.49	4/13/2017 12:00	1.61	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	82.301	19.6	1.215	4.311	78.07983211
C23_1MAS	11.56	4/13/2017 12:51	3.85	1.55	1	0	1.81	2.33	1.84	2.08	1.74	1	0	1	0	0.02	0	0	17.81	0.868	0.649	10.23587045
C23_2MAS	14.46	4/13/2017 12:21	4.86	1.93	1	0	0.16	2.44	0.16	2.46	0.16	1	0	1	0	0	0	0	21.93	1.36	0.659	10.13493466
C23_3MAS	14.47	4/13/2017 12:14	0.65	0.01	0.47	0	0	0	0	0	0	1	0	1	0	0.77	0	58.565	21.93	1.36	0.66	27.19136395
C23_5MAS	16.25	4/13/2017 12:05	0.86	0.02	0.32	0	0	0	0	0	0	1	0	1	0	0.66	0	32.216	23.2	1.538	0.7	50.06486565
C230	6.33	4/13/2017 13:26	6.36	0.47	0.58	0	0.01	1.53	0.01	0.01	0.01	1	0	0	1	0	0	0	11.35	0.809	0.558	7.298047699
C232	33.22	4/13/2017 12:05	10.88	0.43	0.45	0	0	0	0	0	0	1	0	0	1	0	0	0	57.85	5.703	0.574	28.81347006
C233	28.55	4/13/2017 12:00	16.16	1.1	0.61	0	0.01	0.34	0.01	0.35	0.01	1	0	0.02	0.98	0.04	0	0	17.88	0.594	1.597	20.84027212
C234	164.77	4/13/2017 12:09	5.57	0	0.08	0	0	0	0	0	0	1	0	0.9	0.1	0.01	0	44.751	105.77	10.988	1.558	76.0908282
C237	357.35	4/13/2017 12:14	9.15	0.57	0.88	0	0.01	0.35	0.01	0.01	0.01	1	0	1	0	0.82	0	0	248.91	22.713	1.436	9.626075074
C238	71.31	4/13/2017 12:23	0.6	0	0.21	0	0	0	0	0	0	1	0	1	0	1	0	128.711	49.09	2.452	1.453	137.618451
C23MAS	0.5	4/13/2017 0:00	0.53	0	0.03	0	0	0	0	0	0	1	0	0.1	0	0.09	0	44.635	12.31	0.763	0.041	159.8937052
C24	14142.97	4/13/2017 15:54	7.09	0.12	0.39	0	0	0	0	0	0	1	0	1	0	0.05	0	315.865	2501.97	223.678	5.653	106.7140865
C240	5.49	4/13/2017 13:31	5.43	0.71	0.56	0	0.01	4.17	0.01	0.01	0.01	1	0	0.05	0.95	0	0	0	11.35	0.809	0.484	10.10465639
C241_1	5275.56	4/13/2017 15:40	6.76	0.01	0.22	0	0	0	0	0	0	1	0	1	0	0.97	0	179.232	0	0	0	208.2939813
C241_2	5269.8	4/13/2017 15:41	5.65	0.02	0.25	0	0	0	0	0	0	1	0	1	0	0.4	0	188.35	20.28	0.046	259.852	126.5232456
C244	164.85	4/13/2017 12:08	12.68	0.21	0.38	0	0	0	0	0	0	1	0	0	1	0	0	0	105.77	10.988	1.559	11.0917158
C245	20.33	4/13/2017 13:56	1.51	0.08	0.51	0	0.01	3.16	0.01	0.01	0.01	1	0	1	0	0	0	0	123.84	10.356	0.164	24.35286264
C245_1	169.97	4/13/2017 11:56	4.64	0.01	0.11	0	0	0	0	0	0	1	0	0.99	0.01	0	0	133.642	133.47	8.332	1.273	94.98348046
C245_2	168.31	4/13/2017 12:06	9.46	0.1	0.32	0	0	0	0	0	0	1	0	0.59	0.41	0.9	0	0	133.47	8.332	1.261	22.94661244
C246	6.33	4/13/2017 13:26	0.39	0	0.24	0	0	0	0	0	0	1	0	1	0	1	0	84.082	11.35	0.809	0.558	32.33020711
C249	363.07	4/13/2017 12:09	1.7	0.01	0.22	0	0	0	0	0	0	1	0	1	0	1	0	187.029	129.4	24.88	2.806	86.10242703
C252	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	17.65	2.83	0	27.92995307
C253	83.28	4/13/2017 12:35	1.62	0	0.23	0	0	0	0	0	0	1	0	1	0	0.78	0	138.253	1127.09	19.704	0.074	213.6673351
C254	159.02	4/13/2017 12:05	3.13	0	0.22	0	0	0	0	0	0	1	0	1	0	1	0	45.443	100.75	10.433	1.578	41.60787876
C256	152.21	4/13/2017 12:05	0.66	0	0.03	0	0	0	0	0	0	1	0	1	0	0	0	213.138	97.81	9.889	1.556	42.07480026
C259	162.12	4/13/2017 12:02	3.81	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	53.646	123.33	7.042	1.315	95.92554674
C26	2459	4/13/2017 13:41	7.08	0	0.13	0	0	0	0	0	0	1	0	1	0	0.63	0	146.627	537.16	23.499	4.578	275.1005474
C261	53.13	4/13/2017 12:10	6.62	0	0.01	0	0	0	0	0	0	1.65	0.98	0	0	0	0	53.539	59.69	5.597	0.89	19.1615387
C264	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	3.51	1	0	0	0	0	0	28.26	1.431	0	20.84770418
C266	357.01	4/13/2017 12:09	5.17	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	77.926	125.32	24.382	2.849	112.3286282
C267	425.41	4/13/2017 12:05	3.61	0.01	0.27	0	0	0	0	0	0	1	0	1	0	0.05	0	131.089	219.11	18.599	1.942	64.83544087
C27	2454	4/13/2017 13:40	4.14	0.11	0.39	0	0	0	0	0	0	1	0	1	0	0.75	0	153.48	508.79	21.167	4.823	61.07384787
C271	58.75	4/13/2017 12:14	1.75	0	0.3	0	0	0	0	0	0	1	0	1	0	1	0	78.835	51.82	0.59	1.134	61.8527975
C272_1MAS	29.47	4/13/2017 12:11	0.33	0	0.35	0	0	0	0	0	0	1	0	1	0	0.8	0	137.289	41.53	2.987	0.71	86.06152527
C273	53.25	4/13/2017 12:12	1.92	0	0.02	0	0	0	0	0	0	1	0	0	0	0	0	123.099	132.63	8.743	0.401	390.3035927
C274	133.9	4/13/2017 12:04	5.59	0	0.09	0	0	0	0	0	0	1	0	0.92	0.08	1	0	29.574	109.68	5.121	1.221	57.96586681
C275	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	10.33	1.147	0	57.62233217
C276	6.63	4/13/2017 12:35	0.75	0	0.25	0	0	0	0	0	0	1	0	1	0	1	0	47.711	11.35	0.809	0.584	51.00076902
C277	58.14	4/13/2017 12:03	3.66	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	49.536	17.86	1.982	3.255	21.09852803
C278	58.04	4/13/2017 12:03	2.02	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	42.866	17.86	1.982	3.25	25.98207
C279	80.09	4/13/2017 12:32	0.9	0.01	0.11	0	0	0	0	0	0	1	0	1	0	0	0	114.306	1121.15	19.701	0.071	143.899356
C28	14156.71	4/13/2017 15:53	6.28	0.05	0.3	0	0	0	0	0	0	1	0	1	0	0.45	0	299.514	2385.35	211.463	5.935	183.3371347
C281_1	80.29	4/13/2017 12:35	0.33	0	0.27	0	0	0	0	0	0	1	0	1	0	0	0	319.522	77.13	4.449	1.041	36.7695558
C281_2	75.33	4/13/2017 12:45	5.51	0.56	0.63	0	0.01	0.01	1.14	1.53	0.01	1	0	1	0	0	0	0	77.13	4.449	0.977	23.90724869
C2812MAS_1	98.93	4/13/2017 12:03	3.26	0.01	0.12	0	0	0	0	0	0	1	0	1	0	0.99	0	64.046	47.46	3.25	2.084	134.5943364
C2812MAS_2	107.91	4/13/2017 12:05	1.85	0.01	0.2	0	0	0	0	0	0	1	0	1	0	1	0	106.943	53.37	3.657	2.022	229.9736641
C284	6.63	4/13/2017 12:35	6.3	1.24	0.58	0	0.01	3.62	0.01	2.66	0.01	1	0	0.04	0.96	0	0	0	11.35	0.809	0.584	8.675592876
C285	388.75	4/13/2017 12:04	3.67	0	0.06	0	0	0	0	0	0	1	0	1	0	0.94	0	141.588	204.41	17.113	1.902	83.73717941
C287	185.26	4/13/2017 12:03	3.42	0.01	0.69	0	0.01	0.01	0.73	0.01	0.01	1	0	1	0	0.86	0	130.917	147.44	11.763	1.257	100.1721832
C288	145.37	4/13/2017 12:01	2.1	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	98.211	92.88	9.508	1.565	161.3255713
C29	14191.88	4/13/2017 15:53	7.41	0.15	0.28	0	0	0	0	0	0	1	0	1	0	0	0	239.109	2232.33	191.465	6.357	240.5997201
C292	71.14	4/13/2017 0:01	0.65	0	0.05	0	0	0	0	0	0	1	0	0	0	0	0	115.648	88.12	5.594	0.807	96.83938055
C294	96.27	4/13/2017 12:27	0.67	0	0.24	0	0	0	0	0	0	1	0	1	0	0.82	0	332.316	77.13	4.449	1.248	32.864037
C295	58.78	4/13/2017 12:14	3.01	0.06	0.26	0	0	0	0	0	0	1	0	1	0	0	0	27.467	51.21	0.59	1.148	97.26419007
C298	75.87	4/13/2017 12:35	1.29	0.02	0.13	0	0	0	0	0	0	1	0	1	0	0	0	148.402	109.77	3.918	0.691	62.03586216

Conduits SWMM 5-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C3	26.67	4/13/2017 12:00	0.47	0	0.35	0	0	0	0	0	0	1	0	1	0	1	0	125.566	10.23	0.704	2.607	69.71947872
C302	129.76	4/13/2017 12:02	9.81	0	0.08	0	0	0	0	0	0	1	0	0	1	0	0	25.968	87.56	9.323	1.482	28.59325397
C303	333.37	4/13/2017 12:07	3.04	0	0.08	0	0	0	0	0	0	1	0	0.26	0.74	0.15	0	146.494	108.66	20.725	3.068	140.764432
C304	37.04	4/13/2017 11:59	0.44	0.01	0.85	0	0.01	0.01	0.6	0.01	0.01	1	0	1	0	0.83	0	426.987	11.35	0.809	3.263	33.66062832
C307	54.51	4/13/2017 11:54	8.65	1.74	0.97	0	0.01	0.26	0.01	0.24	0.01	1	0	0.97	0.03	0	0	0	12.26	1.413	4.446	12.0125052
C308	369.18	4/13/2017 12:06	3.28	0	0.06	0	0	0	0	0	0	1	0	0.47	0.53	0.35	0	123.97	195.8	16.616	1.885	66.79097402
C309	57.64	4/13/2017 12:14	0.24	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	386.468	71.37	5.124	0.808	54.17473271
C31	2388.24	4/13/2017 13:40	4.81	0.07	0.31	0	0	0	0	0	0	1	0	1	0	1	0	197.946	42.5	1.316	56.194	97.72591715
C313	57.09	4/13/2017 12:11	2.37	0.04	0.46	0	0	0	0	0	0	1	0	1	0	1	0	128.95	46.86	0.59	1.218	53.61233737
C314	117.48	4/13/2017 12:11	5	0	0.12	0	0	0	0	0	0	1	0	1	0	0.98	0	27.681	79.83	8.432	1.472	55.53291743
C316	52.55	4/13/2017 12:04	2.28	0	0.06	0	0	0	0	0	0	1	0	1	0	0.99	0	78.929	120.28	7.093	0.437	163.1361297
C318	32.27	4/13/2017 12:03	8.42	0.32	0.56	0	0.01	0.1	0.01	0.01	0.01	1	0	0	1	0	0	0	12.26	1.413	2.632	12.41600482
C319	227.48	4/13/2017 12:02	0.91	0	0.24	0	0	0	0	0	0	1	0	1	0	0.71	0	242.624	89.65	5.747	2.537	53.73439616
C32	2388.34	4/13/2017 13:39	3.49	0.19	0.43	0	0	0	0	0	0	1	0	1	0	0	0	215.488	42.5	1.316	56.196	54.65166332
C322	10.14	4/13/2017 12:00	0.43	0	0.28	0	0	0	0	0	0	1	0	1	0	1	0	274.733	693.14	41.121	0.015	733.8630283
C324	20.19	4/13/2017 12:12	0.09	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	272.044	40.02	1.275	0.504	137.4989318
C327	239.21	4/13/2017 12:06	8.32	0.85	0.64	0	0.01	0.22	0.01	0.94	0.01	1	0	0	1	0	0	0	86.23	7.185	2.774	22.21675142
C327_1	355.18	4/13/2017 12:01	1.34	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	155.448	104.93	20.288	3.385	83.29180752
C327_2	285.39	4/13/2017 12:07	11.54	0.7	0.62	0	0.01	0.41	0.01	0.62	0.01	1	0	0	1	0	0	0	104.93	20.288	2.72	18.13840738
C33	117.48	4/13/2017 12:11	11.09	0.69	0.72	0	0.01	0.33	0.01	0.7	0.01	1	0	0	1	0	0	0	79.83	8.432	1.472	19.43311302
C331	55.14	4/13/2017 12:09	0.74	0.01	0.12	0	0	0	0	0	0	1	0	1	0	1	0	168.602	44.15	0.59	1.249	74.79558667
C332	27.78	4/13/2017 12:02	0.89	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	126.29	112.07	6.922	0.248	68.82554415
C333	6.33	4/13/2017 13:31	1.2	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	35.809	11.35	0.809	0.558	65.70413028
C336MAS_1	16.75	4/13/2017 12:09	0.57	0	0.07	0	0	0	0	0	0	1	0	1	0	0.97	0	133.958	31.78	2.037	0.527	32.38993658
C336MAS_2	17.22	4/13/2017 12:15	0.55	0	0.08	0	0	0	0	0	0	1	0	1	0	0.27	0	134.912	33.39	2.295	0.516	196.1192634
C337	35.84	4/13/2017 12:16	0.52	0	0.28	0	0	0	0	0	0	1	0	1	0	1	0	369.352	64.28	3.59	0.558	130.8081344
C338	334.32	4/13/2017 12:04	4.63	0	0.11	0	0	0	0	0	0	1	0	1	0	0.98	0	119.703	109.92	9.675	3.041	111.5252425
C34	14346.86	4/13/2017 15:52	6.32	0.03	0.26	0	0	0	0	0	0	1	0	1	0	0	0	374.418	2181.01	185.82	6.578	281.4581849
C344	29.42	4/13/2017 12:30	8.15	0.4	0.56	0	0.01	0.29	0.01	0.01	0.01	1	0	0	1	0	0	0	25.46	3.457	1.156	23.12878875
C345	20.33	4/13/2017 13:58	0.56	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	211.657	123.84	10.356	0.164	210.9034659
C347	339.26	4/13/2017 12:01	10.91	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	40.434	100.39	19.68	3.379	65.7715178
C349	36.25	4/13/2017 12:14	1.63	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	96.072	62	3.587	0.585	32.01063858
C355	51.7	4/13/2017 12:15	8.69	0.22	0.29	0	0	0	0	0	0	1	0	0	1	0	0	0	30.38	2.581	1.702	25.99345033
C355_1	100.17	4/13/2017 12:17	1.38	0.01	0.34	0	0	0	0	0	0	1	0	1	0	1	0	76.482	57.98	2.554	1.728	91.338431
C355_3	96.63	4/13/2017 12:24	9.35	0.56	0.69	0	0.01	0.55	0.01	0.35	0.01	1	0	0.07	0.93	0	0.99	0	63.54	3.179	1.521	18.89011392
C355_4	107.69	4/13/2017 12:26	4.94	0	0.22	0	0	0	0	0	0	1	0	0.98	0.02	0.15	0	64.937	77.13	4.449	1.396	79.39256961
C358	6.33	4/13/2017 13:33	0.22	0	0.19	0	0	0	0	0	0	1	0	1	0	1	0	89.579	11.35	0.809	0.558	40.61900585
C359_2MAS	12.88	4/13/2017 12:12	1.59	0	0.1	0	0	0	0	0	0	1	0	1	0	0	0	36.09	30.31	1.951	0.425	47.4433487
C360	318.89	4/13/2017 12:02	7.36	0	0.07	0	0	0	0	0	0	1	0	0	1	0.22	0	43.271	94.13	18.052	3.388	35.98759358
C362	47.76	4/13/2017 12:10	0.29	0	0.49	0	0	0	0	0	0	1	0	1	0	0.51	0	609.269	23.96	0.004	1.993	46.82697041
C364	58.02	4/13/2017 12:09	2.58	0	0.03	0	0	0	0	0	0	1	0	0.16	0.84	0	0	91.219	68.95	5.012	0.841	159.4394495
C365	177.54	4/13/2017 12:04	11.77	0.28	0.42	0	0	0	0	0	0	1	0	0.02	0.98	0.77	0	0	61.04	5.874	2.909	20.10300074
C367	309.39	4/13/2017 12:02	13.87	0.24	0.39	0	0.01	0.01	0.01	0.22	0.01	1	0	0	1	0.94	0	0	90.95	17.282	3.402	26.24862426
C368	194.58	4/13/2017 12:00	2.72	0.01	0.25	0	0	0	0	0	0	1	0	1	0	0.08	0	166.354	62.03	6.97	3.137	108.8747442
C369	66.29	4/13/2017 12:08	1.44	0	0.07	0	0	0	0	0	0	1	0	1	0	0.98	0	216.885	29.96	2.065	2.213	280.1564956
C37	109.6	4/13/2017 12:02	0.93	0	0.14	0	0	0	0	0	0	1	0	1	0	0.94	0	130.955	72.19	7.265	1.518	41.92077788
C370	21.97	4/13/2017 12:06	0.77	0	0.02	0	0	0	0	0	0	1	0	1	0	0.33	0	182.225	36.79	1.257	0.597	163.7103961
C371	20.9	4/13/2017 12:03	0.25	0	0.23	0	0	0	0	0	0	1	0	1	0	1	0	271.152	7.36	0.133	2.84	157.7574982
C372	189.1	4/13/2017 12:05	4.17	0.01	0.51	0	0.01	0.01	1.28	0.01	0.01	1	0	1	0	1	0	115.298	97.32	10.094	1.943	220.0562244
C375	42.82	4/13/2017 12:12	0.18	0	0.28	0	0	0	0	0	0	1	0	1	0	1	0	270.556	21.1	0.504	2.029	70.96284456
C376	14.61	4/13/2017 12:00	0.98	0	0.05	0	0	0	0	0	0	1	0	0.27	0.73	0	0	84.467	108.49	6.603	0.135	75.62876117
C379	11.31	4/13/2017 12:01	0.23	0	0.39	0	0	0	0	0	0	1	0	1	0	1	0	434.883	70.19	4.182	0.161	180.7254973
C38	16296.77	4/13/2017 15:48	6.88	0.3	0.46	0	0	0	0	0	0	1	0	1	0	0	0	403.794	1458.2	102.249	11.176	159.909851
C380	347.11	4/13/2017 12:01	2.92	0.01	0.15	0	0	0	0	0	0	1	0	1	0	1	0	125.751	104.32	17.075	3.327	200.8675595
C381	37.18	4/13/2017 12:11	0.82	0.01	0.09	0	0	0	0	0	0	1	0	1	0	1	0	191.079	55.65	3.587	0.668	92.24859241
C382	7.29	4/13/2017 12:00	1.05	0	0.02	0	0	0	0	0	0	1	0	0.07	0.93	0.01	0	71.392	2.24	0.032	3.254	34.67980907
C383	3.63	4/13/2017 12:00	6.2	0.66	0.63	0	0.01	24	0.01	0.66	0.01	1	0	0	1	0	0	0	61.67	3.56	0.059	7.735934405
C384_1	180.89	4/13/2017 12:00	2.88	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	62.891	75.2	4.602	2.405	93.36922559
C384_2	218.11	4/13/2017 12:01	2.82	0.04	0.3	0	0	0	0	0	0	1	0	1	0	0	0	89.14	86.64	5.604	2.517	115.4463832
C385	21.43	4/13/2017 12:07	1.04	0	0.14	0	0	0	0	0	0	1	0	1	0	0.66	0	324.525	16.68	0.004	1.285	67.17456695
C390_2	42.88	4/13/2017 12:19	0.57	0	0.2	0	0	0	0	0	0	1	0	1	0	1	0	107.841	42.37	4.096	1.012	156.1189413
C390_3	52.84	4/13/2017 12:07	1.85	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	50.86	42.37	4.096	1.247	231.9278726
C390_4	43	4/13/2017 12:17	12.38	0.17	0.32	0	0	0	0	0	0	1	0	0	1	0	0	0	42.37	4.096	1.015	12.77741866
C3932MAS	12.67	4/13/2017 12:00	1.11	0.01	0.09	0	0	0	0	0	0	1	0	0.08	0	0.06	0	92.32	25.95	1.79	0.488	127.726542
C394	12.72	4/13/2017 12:00	1.69	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	40.817	66.22	4.176	0.192	46.60398444
C395	243.84	4/13/2017 12:06	5.06	0	0.06	0	0	0	0	0	0	1	0	0.95	0.05	0.39	0	77.753	89.02	8.429	2.739	86.58401148
C399	239.92	4/13/2017 12:13	5.98	0.01	0.14	0	0	0	0	0	0	1	0	1	0	0	0	25.031	221.24	22.866	1.084	24.19472884
C3MAS	11.31	4/13/2017 12:32	3.98	0.82	1	0	4.07	4.07	8.42	0.01	0.01	1	0	1	0	0	0	0	41.53	2.987	0.272	20.08259341
C4	2384.74	4/13/2017 14:23	4.52	0.02	0.41	0	0	0	0	0	0	1	0	1	0	0.92	0	194.307	3151.85	232.619	0.757	425.0601043
C40	493.78	4/13/2017 14:29	5.88	0.43	1	0	7.32	7.32	10.19	3.23	1.73	1	0	0.91	0.09	0	0	0	1458.2	102.249	0.339	22.11400826

Conduits SWMM 5-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft³)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C400	159	4/13/2017 12:00	4.17	0	0.08	0	0	0	0	0	0	1	0	0.99	0.01	1	0	71.662	52.61	5.548	3.022	87.02244877
C401	66.14	4/13/2017 12:00	1.85	0	0.19	0	0	0	0	0	0	1	0	1	0	1	0	57.608	21.19	2.268	3.121	133.9160644
C402_1	265.25	4/13/2017 12:01	5.96	0.01	0.15	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	54.605	68.68	9.227	3.862	175.4773683
C402_2	344.92	4/13/2017 12:04	3.06	0.01	0.25	0	0	0	0	0	0	1	0	1	0	1	0	78.644	102.56	13.732	3.363	67.11048694
C403	71.65	4/13/2017 12:09	4.04	0.03	0.45	0	0	0	0	0	0	1	0	0.95	0.05	0.19	0	36.307	58.73	6.107	1.22	334.1539086
C405	53.27	4/13/2017 12:03	8.33	0.42	0.46	0	0	0	0	0	0	1	0	0.27	0.73	0.93	0	0	21.19	2.268	2.514	21.79815318
C407	126.83	4/13/2017 12:05	0.89	0	0.2	0	0	0	0	0	0	1	0	1	0	1	0	282.494	44.22	0.646	2.868	175.8891168
C407_2	96.19	4/13/2017 12:17	5.57	0.01	0.14	0	0	0	0	0	0	1	0	0.99	0.01	0	0	17.969	54.79	2.29	1.756	74.25473559
C409	46.15	4/13/2017 12:07	1.49	0	0.07	0	0	0	0	0	0	1	0	0.28	0.72	0.05	0	130.522	21.1	0.504	2.187	79.98427081
C41	685.19	4/13/2017 12:58	4.29	0.02	0.17	0	0	0	0	0	0	1	0	1	0	0	0	87.564	2151.6	61.133	0.318	81.05941309
C410MAS	5.88	4/13/2017 11:57	1.12	0.02	0.22	0	0	0	0	0	0	1	0	1	0	0	0	41.21	24.21	1.67	0.243	42.45597066
C415_1	49.66	4/13/2017 12:13	2.48	0	0.06	0	0	0	0	0	0	1	0	1	0	0	0	35.014	33.96	2.599	1.462	144.4289489
C415_2	52.6	4/13/2017 12:14	0.87	0	0.39	0	0	0	0	0	0	1	0	1	0	1	0	95.14	36.46	2.87	1.443	103.5527424
C416	334.01	4/13/2017 12:00	3.8	0.01	0.26	0	0	0	0	0	0	1	0	1	0	1	0	119.953	77.66	6.559	4.301	161.160858
C42	17114.59	4/13/2017 15:41	8.91	0.24	0.45	0	0	0	0	0	0	1	0	1	0	0.01	0	308.94	1458.2	102.249	11.737	124.6727298
C420	53.1	4/13/2017 12:04	5.27	0.01	0.15	0	0	0	0	0	0	1	0	0.32	0.68	0	0	24.455	21.19	2.268	2.506	83.55844296
C422	138.51	4/13/2017 12:00	3.81	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	37.014	56.35	9.165	2.458	47.62008234
C425	52.3	4/13/2017 12:28	2.2	0.01	0.16	0	0	0	0	0	0	1	0	0.99	0.01	1	0	162.184	56.32	4.431	0.929	156.0531183
C429	303.51	4/13/2017 12:04	13.28	0.38	0.59	0	0	0	0	0	0	1	0	0	1	0	0	0	101.24	8.943	2.998	18.27215226
C43	14604.84	4/13/2017 15:41	6.77	0.07	0.18	0	0	0	0	0	0	1	0	1	0	0	0	321.108	1440.67	100.39	10.138	72.62491378
C430	233.08	4/13/2017 12:03	3.72	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	64.102	67.53	11.548	3.452	158.994985
C432	474.73	4/13/2017 12:18	3.56	0.01	0.17	0	0	0	0	0	0	1	0	1	0	1	0	82.945	273.04	25.157	1.739	71.29426785
C434	8.67	4/13/2017 12:14	0.79	0	0.04	0	0	0	0	0	0	1	0	1	0	0	0	50.96	25.3	1.137	0.343	184.6886469
C435	139	4/13/2017 12:00	4.95	0	0.04	0	0	0	0	0	0	1	0	0	1	0.01	0	64.867	56.35	9.165	2.467	31.51830309
C436	28.42	4/13/2017 12:08	2.08	0.01	0.19	0	0	0	0	0	0	1	0	1	0	1	0	26.915	22.65	1.858	1.255	91.78040725
C438	200.32	4/13/2017 12:02	2.51	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	99.052	60.86	7.224	3.291	164.5280464
C439_2	14925.03	4/13/2017 16:01	6.43	0.13	0.35	0	0	0	0	0	0	1	0	1	0	0	0	344.333	3588.22	274.537	4.159	93.12037518
C439_3	14894.89	4/13/2017 16:01	6.95	0.14	0.34	0	0	0	0	0	0	1	0	1	0	0	0	326.619	3605.21	275.709	4.131	105.2336868
C439_4	14956.11	4/13/2017 16:02	8.05	0.08	0.31	0	0	0	0	0	0	1	0	1	0	0	0	284.823	3611.78	275.722	4.141	127.0072394
C439_5	14930.39	4/13/2017 16:02	6.65	0.13	0.35	0	0	0	0	0	0	1	0	1	0	0	0	344.333	3597.99	275.558	4.15	87.24249994
C44	685.24	4/13/2017 12:58	2.28	0.23	0.34	0	0	0	0	0	0	1	0	1	0	0	0	140.636	2144.74	60.943	0.319	46.05864243
C440MAS	16415.39	4/13/2017 16:07	7.15	0.13	0.44	0	0	0	0	0	0	1	0	1	0	0	0	374.643	3874.93	293.395	4.236	160.1928221
C441	17.82	4/13/2017 12:14	8.6	0.69	0.63	0	0.01	0.76	0.01	0.01	0.01	1	0	0	1	0	0.94	0	15.54	1.258	1.147	11.68020967
C442	305.35	4/13/2017 12:01	10.72	0	0.1	0	0	0	0	0	0	1	0	0	1	0.01	0	102.482	91.07	15.037	3.353	128.6321898
C445	29.34	4/13/2017 12:32	3.07	0	0.04	0	0	0	0	0	0	1	0	0.01	0.99	0	0	58.761	25.46	3.457	1.152	160.6555192
C446	64.75	4/13/2017 12:00	5.52	0	0.04	0	0	0	0	0	0	1	0	0.75	0.25	0.9	0	18.328	36	2.727	1.799	160.3758464
C45	17.35	4/13/2017 12:03	7.38	0.13	0.22	0	0	0	0	0	0	1	0	0	1	0	0	0	6.37	1.005	2.724	20.13954333
C450	107.17	4/13/2017 12:00	5.06	0	0.08	0	0	0	0	0	0	1	0	0.04	0.96	0.07	0	28.245	66.59	4.628	1.609	88.63928021
C455_2	64.05	4/13/2017 12:08	1.3	0.01	0.18	0	0	0	0	0	0	1	0	1	0	0.08	0	255.442	25.09	1.179	2.553	52.03273954
C457	117.23	4/13/2017 12:00	3.96	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	62.04	41.06	4.202	2.855	50.27283279
C458_1	123.37	4/13/2017 12:02	2.93	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	43.302	50.9	4.137	2.424	162.6383483
C458_2	101.91	4/13/2017 12:10	1.49	0	0.35	0	0	0	0	0	0	1	0	1	0	1	0	427.036	50.9	4.137	2.002	297.8034184
C459	159.56	4/13/2017 12:07	0.88	0	0.18	0	0	0	0	0	0	1	0	1	0	0	0	98.698	102.76	10.589	1.553	62.56592821
C46	685.32	4/13/2017 12:57	3.01	0.02	0.28	0	0	0	0	0	0	1	0	1	0	1	0	145.798	2133.03	60.405	0.321	76.56075662
C462	137.95	4/13/2017 12:00	3.3	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	76.512	41.92	5.06	3.291	96.98109204
C464	99.24	4/13/2017 11:56	2.88	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	45.162	23.72	3.128	4.184	70.19224678
C464_1	318.82	4/13/2017 12:01	1.93	0.01	0.18	0	0	0	0	0	0	1	0	1	0	0.99	0	149.124	74.84	7.158	4.26	115.7781789
C465	497.54	4/13/2017 12:14	1.5	0.01	0.3	0	0	0	0	0	0	1	0	1	0	0.96	0	155.173	273.04	25.157	1.822	60.42854614
C467	103.35	4/13/2017 12:04	0.77	0.01	0.16	0	0	0	0	0	0	1	0	1	0	0	0	595.844	50.69	2.464	2.039	64.76241
C469	104.58	4/13/2017 12:01	1.98	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	104.627	43.69	7.472	2.394	53.3276691
C47	16.75	4/13/2017 12:06	0.41	0	0.28	0	0	0	0	0	0	1	0	1	0	1	0	203.324	6.37	1.005	2.63	60.52346661
C473	64.17	4/13/2017 11:56	0.61	0	0.14	0	0	0	0	0	0	1	0	1	0	0.91	0	273.018	47.1	2.716	1.362	76.73471091
C474	85.8	4/13/2017 12:00	4.85	0	0.04	0	0	0	0	0	0	1	0	0	1	0.95	0	43.211	31.22	3.218	2.748	35.13367867
C475	200.43	4/13/2017 12:00	1.48	0	0.28	0	0	0	0	0	0	1	0	1	0	1	0	102.087	46.02	4.611	4.355	231.3553719
C479	175.68	4/13/2017 12:01	3.2	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	94.051	50.35	6.582	3.489	74.32716241
C48	685.42	4/13/2017 12:56	3.03	0.03	0.22	0	0	0	0	0	0	1	0	1	0	0	0	148.856	2130.18	60.328	0.322	61.0197838
C480	105.24	4/13/2017 12:00	5.39	0	0.02	0	0	0	0	0	0	1	0	0	1	0	0	39.427	43.69	7.472	2.409	23.47391906
C481	168.75	4/13/2017 12:10	14.85	0.19	0.34	0	0	0	0	0	0	1	0	0	1	0	0	0	111.87	12.188	1.508	15.73255349
C482	25.41	4/13/2017 12:06	1.43	0	0.35	0	0	0	0	0	0	1	0	1	0	1	0	78.194	16.41	2.581	1.548	380.1235138
C483	10.92	4/13/2017 12:03	1.03	0	0.02	0	0	0	0	0	0	1	0	1	0	0.98	0	109.554	4.29	0	2.545	223.208074
C484	100.37	4/13/2017 12:00	2.61	0.01	0.11	0	0	0	0	0	0	1	0	1	0	0.95	0	113.849	29.92	3.863	3.355	14.28507887
C486	299.47	4/13/2017 11:58	4.46	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	60.333	69.44	6.079	4.313	96.37797001
C488	93.92	4/13/2017 12:01	1.5	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	143.167	38.77	3.874	2.422	66.80557611
C489	96.6	4/13/2017 12:03	0.6	0	0.31	0	0	0	0	0	0	1	0	1	0	1	0	300.013	34.29	1.802	2.817	84.35191237
C49	685.56	4/13/2017 12:56	3.27	0.06	0.31	0	0	0	0	0	0	1	0	1	0	0.27	0	157.737	2126.76	60.27	0.322	44.7390794
C493	205.61	4/13/2017 12:01	0.94	0	0.09	0	0	0	0	0	0	1	0	1	0	0	0	123.844	56.42	9.439	3.644	83.3960956
C494	100.73	4/13/2017 12:00	2.03	0	0.08	0	0	0	0	0	0	1	0	0.29	0.71	0.5	0	128.574	32.55	0.671	3.095	50.89834547
C497	168.71	4/13/2017 12:11	1.98	0	0.25	0	0	0	0	0	0	1	0	1	0	1	0	116.386	111.87	12.188	1.508	94.49768804
C498	174.13	4/13/2017 12:02	1.31	0	0.22	0	0	0	0	0	0	1	0	1	0	0.97	0	128.11	58.47	5.596	2.978	36.65949323
C499	284.94	4/13/2017 12:00	4.06	0	0.07	0	0	0	0	0	0	1	0	0.02	0.98	0.02	0	135.058	65.76	6.774	4.333	66.96488746

Conduits SWMM 5-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft³)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C5	2441.91	4/13/2017 14:13	4.93	0.03	0.36	0	0	0	0	0	0	1	0	1	0	0.98	0	141.695	890.28	40.185	2.743	151.7633282
C50	685.58	4/13/2017 12:55	3.44	0.02	0.23	0	0	0	0	0	0	1	0	1	0	0.9	0	136.27	2120.77	59.803	0.323	58.34894834
C502	297.51	4/13/2017 12:00	4.58	0	0.07	0	0	0	0	0	0	1	0	0.99	0.01	1	0	142.405	88.08	14.287	3.378	108.3753899
C504_1	122.83	4/13/2017 12:01	2.04	0	0.12	0	0	0	0	0	0	1	0	1	0	0.99	0	198.069	33.66	1.659	3.649	71.33095669
C504_2	114.19	4/13/2017 12:02	0.66	0.01	0.24	0	0	0	0	0	0	1	0	1	0	0.53	0	301.412	33.66	1.659	3.392	91.47987223
C505	77.11	4/13/2017 12:00	1.73	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	126.07	19.23	2.117	4.01	59.57647947
C506	234.23	4/13/2017 12:01	5.28	0.02	0.18	0	0	0	0	0	0	1	0	1	0	0.94	0	49.161	58.76	7.319	3.986	71.34460099
C507	9998.95	4/13/2017 14:50	6.55	0.05	0.26	0	0	0	0	0	0	1	0	1	0	0.06	0	279.086	5.04	0	1983.919	125.6145275
C51	685.57	4/13/2017 12:54	3.47	0.02	0.2	0	0	0	0	0	0	1	0	1	0	0.92	0	124.738	2113.44	59.649	0.324	69.13013338
C510	174.33	4/13/2017 12:00	20.55	0.25	0.34	0	0	0	0	0	0	1	0	0	1	0	0	0	39.87	3.574	4.372	28.20373075
C516	61.07	4/13/2017 11:55	1.19	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	50.173	13.01	1.687	4.694	76.93914614
C516_1	109.34	4/13/2017 12:18	8.6	0.5	0.58	0	0.01	0.01	0.01	0.89	0.01	1	0	0.61	0.39	0.9	0	0	67.92	5.397	1.61	21.55995503
C516_2	42.36	4/13/2017 12:10	0.76	0	0.21	0	0	0	0	0	0	1	0	1	0	1	0	144.032	20.48	2.44	2.068	138.7893971
C516_4	106.47	4/13/2017 12:26	0.94	0.01	0.47	0	0	0	0	0	0	1	0	1	0	1	0	458.124	67.92	5.397	1.568	200.5896403
C518	189.93	4/13/2017 12:00	1.49	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	91.843	42.83	7.169	4.435	36.76875809
C519	45.88	4/13/2017 12:02	1.07	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	203.787	20.78	2.51	2.208	239.9293318
C52	685.71	4/13/2017 12:54	6.1	0	0.13	0	0	0	0	0	0	1	0	1	0	0.61	0	75.468	2110.74	59.649	0.325	80.46036507
C524	99.01	4/13/2017 12:03	3.59	0	0.05	0	0	0	0	0	0	1	0	1	0	0	0	52.151	33.88	4.505	2.922	40.57091779
C53	9894.76	4/13/2017 15:18	6.59	0.24	0.57	0	0	0	0	0	0	1	0	1	0	0.88	0	254.23	676.02	38.467	14.637	255.6324535
C530	95.19	4/13/2017 12:00	4.51	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	56.72	40.66	6.974	2.341	69.33206449
C532	26.92	4/13/2017 12:07	2.11	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	28.136	21.38	1.725	1.259	106.7262773
C537	74.23	4/13/2017 12:01	2.97	0	0.03	0	0	0	0	0	0	1	0	0	0	0	0	68.645	19.23	2.117	3.86	146.0741518
C538	160.11	4/13/2017 12:00	3.94	0	0.04	0	0	0	0	0	0	1	0	0.99	0.01	1	0	90.149	37.53	0.235	4.266	35.09518652
C540	268.3	4/13/2017 12:00	3.97	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	113.767	61.37	6.774	4.372	39.51517887
C543	103.74	4/13/2017 12:00	7.43	0	0.05	0	0	0	0	0	0	1	0	0.51	0.49	0.27	0	18.816	36.15	1.864	2.87	46.99171082
C546	17.27	4/13/2017 12:07	1.17	0	0.07	0	0	0	0	0	0	1	0	1	0	0.02	0	107.636	24.45	2.144	0.706	56.60486786
C548	24.02	4/13/2017 12:17	3.11	0	0.07	0	0	0	0	0	0	1	0	1	0	0.02	0	23.428	20.49	0.368	1.172	58.69268694
C55	682.37	4/13/2017 12:53	3.11	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	169.508	2097.12	59.175	0.325	52.11268276
C551	2.84	4/13/2017 11:55	0.66	0	0.01	0	0	0	0	0	0	1	0	1	0	0.99	0	41.932	684.31	38.899	0.004	97.86119837
C555	96.21	4/13/2017 12:03	1.28	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	134.513	38.17	1.47	2.521	42.44150584
C556	2.56	4/13/2017 11:57	0.84	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	0	684.31	38.899	0.004	17.74305044
C557	417.04	4/13/2017 12:04	3.95	0	0.14	0	0	0	0	0	0	1	0	1	0	0.03	0	152.058	215.1	18.123	1.939	89.16588522
C558	19.04	4/13/2017 12:06	0.99	0	0.05	0	0	0	0	0	0	1	0	1	0	0	0	112.667	20.75	1.168	0.918	306.9515064
C56	14452.19	4/13/2017 15:44	6.95	0.01	0.15	0	0	0	0	0	0	1	0	1	0	0.51	0	366.021	1433.62	99.695	10.081	119.8122801
C561	86.05	4/13/2017 12:03	3.3	0	0.06	0	0	0	0	0	0	1	0	0	1	0	0	108.292	30.83	1.802	2.791	74.17230942
C562	2449.04	4/13/2017 14:05	3.44	0.12	0.89	0	0	0	0	0	0	1	0	1	0	0	0	0	802.92	36.077	3.05	26.12980272
C563	235.66	4/13/2017 12:00	7.68	0	0.03	0	0	0	0	0	0	1	0	0	1	0.02	0	46.069	58.76	7.319	4.011	58.64910166
C565	29.4	4/13/2017 12:00	0.9	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	93.102	15.44	0.684	1.904	208.316227
C568	86.1	4/13/2017 11:56	4.15	0	0.04	0	0	0	0	0	0	1	0	0.98	0.02	0.99	0	42.898	31.22	3.218	2.758	132.5070747
C57	680.88	4/13/2017 12:52	3.47	0.01	0.16	0	0	0	0	0	0	1	0	1	0	0	0	172.607	2079.64	58.53	0.327	153.8606882
C571	29.43	4/13/2017 12:00	0.12	0	0.16	0	0	0	0	0	0	1	0	1	0	0	0	170.357	46.97	3.062	0.627	59.53609066
C573	77.89	4/13/2017 12:02	1.12	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	149.955	27.25	2.408	2.858	256.8617972
C575_1	118.23	4/13/2017 12:00	1.35	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	76.895	30.75	3.806	3.845	60.29695914
C575_3	160.56	4/13/2017 12:01	10.71	0.48	0.52	0	0.01	0.01	0.01	0.25	0.01	1	0	0	1	0	0	0	45.91	6.038	3.497	20.17222209
C575_4	160.53	4/13/2017 12:02	4.88	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	63.873	45.91	6.038	3.497	40.24326432
C577	102.76	4/13/2017 12:01	0.83	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	396.1	28.37	1.711	3.622	109.1849166
C58	677.08	4/13/2017 12:50	5.29	0.01	0.18	0	0	0	0	0	0	1	0	1	0	0	0	61.906	2043.21	57.208	0.331	152.3775871
C580_1	118.8	4/13/2017 11:56	3.14	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	62.373	26.27	2.992	4.522	151.6202521
C580_2	369.21	4/13/2017 12:06	5.54	0	0.1	0	0	0	0	0	0	1	0	0.98	0.02	0.94	0	77.46	195.8	16.616	1.886	20.2965832
C581	264.5	4/13/2017 12:00	10.29	0	0.08	0	0	0	0	0	0	1	0	0	1	0	0	66.593	79.29	13.518	3.336	89.33854106
C582	43.11	4/13/2017 12:07	2.29	0	0.13	0	0	0	0	0	0	1	0	0.11	0.89	0.04	0	91.573	20.48	2.44	2.105	60.6027071
C587	250.55	4/13/2017 12:12	8.29	1.06	0.88	0	0.01	0.64	0.01	0.39	0.01	1	0	0.88	0.12	0	0	0	243.55	22.026	1.029	12.78600265
C588	14.03	4/13/2017 11:55	1.99	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	13.482	2.87	0.718	4.889	77.87945972
C588MAS	148.19	4/13/2017 12:00	7.37	0	0.06	0	0	0	0	0	0	1	0	0.92	0.08	0	0	35.999	33.5	4.922	4.424	77.87945972
C59	15.53	4/13/2017 12:01	0.3	0	0.24	0	0	0	0	0	0	1	0	1	0	1	0	144.6	4.72	0.099	3.29	174.5313613
C59_1	665.09	4/13/2017 12:45	6.22	0	0.13	0	0	0	0	0	0	1	0	0.03	0.97	0.01	0	102.931	1990.45	52.764	0.334	76.87332412
C59_2	676.74	4/13/2017 12:46	2.48	0.01	0.2	0	0	0	0	0	0	1	0	1	0	0.98	0	156.916	2022.3	56.056	0.335	73.66572095
C590	82.22	4/13/2017 12:02	4.55	0	0.07	0	0	0	0	0	0	1	0	0.01	0.99	0	0	41.466	36.12	5.958	2.276	74.80070063
C591	50.8	4/13/2017 12:07	1.57	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	121.679	18.35	0.87	2.768	185.2689708
C592	95.66	4/13/2017 12:00	2.37	0	0.02	0	0	0	0	0	0	1.27	0	1	0	1	0	151.679	24.9	1.641	3.842	169.889491
C593	1489.24	4/13/2017 13:33	11.65	2.45	1	0	0.56	2.22	0.56	5.37	0.56	1	0	1	0	0	0.01	0	643.06	25.39	2.316	17.0160706
C596	82.38	4/13/2017 12:00	0.65	0	0.2	0	0	0	0	0	0	1	0	1	0	0.92	0	258.522	24.44	3.427	3.371	15.54866378
C6	2442.27	4/13/2017 14:12	5.58	0.08	0.36	0	0	0	0	0	0	1	0	1	0	0.77	0	139.011	890.28	40.185	2.743	115.8627024
C60	14240.17	4/13/2017 15:46	7.46	3.25	0.5	0	0.01	0.01	0.01	5.06	0.01	1	0	1	0	0	0	282.011	1392.7	96.443	10.225	205.217882
C604	9.48	4/13/2017 0:00	7.52	1.09	0.95	0	0.01	4.62	0.01	4.42	0.01	1	0	1	0	0.74	0	0	90.66	5.859	0.105	14.81044054
C605	95.1	4/13/2017 12:01	1.95	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	97.262	27.47	3.808	3.462	107.7632645
C606	80.3	4/13/2017 12:02	3.46	0	0.06	0	0	0	0	0	0	1	0	0.99	0.01	0	0	70.76	28.25	1.341	2.842	69.69101076
C607MAS	32.12	4/13/2017 12:00	1.71	0	0.04	0	0	0	0	0	0	1	0	1	0	0.99	0	93.085	16.41	2.581	1.957	159.0629574
C61	643.84	4/13/2017 12:36	1.98	0.01	0.23	0	0	0	0	0	0	1	0	1	0	1	0	185.1	1907.07	47.333	0.338	258.2008188
C611	41.89	4/13/2017 12:00	2.22	0	0.23	0	0	0	0	0	0	1	0	1	0	1	0	383.25	16.81	3.111	2.492	146.5479538

Conduits SWMM 5-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C613	202.92	4/13/2017 12:00	5.02	0	0.05	0	0	0	0	0	0	1.05	0	0.99	0.01	1	0	67.404	50.69	6.821	4.003	42.5319525
C614	891.56	4/13/2017 12:14	3	0	0.14	0	0	0	0	0	0	1	0	0.26	0.74	0.28	0	165.598	248.91	22.713	3.582	15.71248359
C615	60.41	4/13/2017 12:01	2.95	0	0.03	0	0	0	0	0	0	1	0	0.98	0.02	0.72	0	79.919	24.07	1.511	2.51	224.7011569
C619	97.75	4/13/2017 12:06	1.5	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	93.395	43.7	2.65	2.237	127.091437
C62	65.14	4/13/2017 12:10	1.81	0	0.02	0	0	0	0	0	0	1	0	1	0	0.01	0	132.975	25.09	1.179	2.596	45.78873398
C62_1	9960.88	4/13/2017 15:12	7.38	0.12	0.46	0	0	0	0	0	0	1	0	1	0	0.74	0	239.762	647.82	37.727	15.376	314.4870404
C62_2	9910.87	4/13/2017 15:17	7.88	0.37	0.43	0	0	0	0	0	0	1	0	1	0	0	0	170.591	674.15	38.21	14.701	172.6441228
C621	145.15	4/13/2017 12:00	4.18	0	0.03	0	0	0	0	0	0	1	0	0.98	0.02	0.99	0	77.407	33.64	0.205	4.315	102.1045761
C622	66.57	4/13/2017 12:02	3.06	0	0.06	0	0	0	0	0	0	1	0	1	0	0.91	0	77.676	21.65	0	3.075	154.9477958
C623	53.93	4/13/2017 12:03	3.43	0	0.04	0	0	0	0	0	0	1	0	0.98	0.02	0.32	0	56.348	18.35	0.87	2.939	40.59839503
C627	132.53	4/13/2017 12:03	1.37	0.01	0.08	0	0	0	0	0	0	1	0	1	0	0.87	0	241.184	44.22	0.646	2.997	49.09114328
C63	125.98	4/13/2017 12:00	8.58	0.16	0.44	0	0	0	0	0	0	1	0	0	1	0	0.99	0	50.69	6.821	2.485	16.59619899
C630	131.22	4/13/2017 11:59	2.69	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	110.737	29.05	2.632	4.517	114.2815786
C631	72.42	4/13/2017 12:00	4.21	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	56.68	23	2.1	3.149	67.41168951
C632	80.61	4/13/2017 12:01	3.05	0.01	0.16	0	0	0	0	0	0	1	0	0.1	0.9	0.11	0	69.458	28.25	1.341	2.853	19.22618172
C638	66.31	4/13/2017 11:59	0.8	0	0.42	0	0	0	0	0	0	1	0	1	0	0.79	0	240.271	32.1	1.839	2.066	49.85429472
C639	53.03	4/13/2017 11:55	6	0	0.04	0	0	0	0	0	0	1	0	0.88	0.12	1	0	14.866	12.95	0.935	4.095	60.7477224
C64	152	4/13/2017 12:02	2.95	0.02	0.2	0	0	0	0	0	0	1	0	1	0	0	0	74.789	177.14	7.223	0.858	52.53462319
C640	56.62	4/13/2017 11:55	2.92	0	0.06	0	0	0	0	0	0	1	0	0.12	0.88	0.09	0	53.156	24.67	2.91	2.295	77.60977183
C642	82.75	4/13/2017 12:01	2.54	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	133.963	23.57	3.483	3.511	24.95127923
C648	67.77	4/13/2017 12:01	2.98	0.01	0.11	0	0	0	0	0	0	1	0	1	0	0.92	0	47.031	21.65	0	3.13	19.59420833
C65	9969.12	4/13/2017 15:11	5.17	0.07	0.39	0	0	0	0	0	0	1	0	1	0	0.46	0	391.736	647.82	37.727	15.389	83.50623791
C650	106.73	4/13/2017 12:00	2.51	0	0.07	0	0	0	0	0	0	1	0	1	0	0.99	0	142.831	28.92	1.421	3.691	139.5711629
C652	135.76	4/13/2017 12:00	1.95	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	49.75	31.11	1.867	4.364	139.1977048
C653	31.83	4/13/2017 12:21	2.39	0	0.05	0	0	0	0	0	0	1	0	0.09	0.91	0.03	0	66.146	26.74	2.315	1.19	149.4372706
C655	35.01	4/13/2017 12:13	0.38	0	0.28	0	0	0	0	0	0	1	0	1	0	0.51	0	431.319	7.82	0.952	4.477	64.6524249
C656	31.44	4/13/2017 12:01	0.29	0	0.52	0	0.01	0.01	1.51	0.01	0.01	1	0	1	0	1	0	394.046	17.06	0.002	1.843	153.6927115
C658	91.64	4/13/2017 12:00	3.02	0	0.19	0	0	0	0	0	0	1	0	0.09	0.91	0.07	0	93.436	21.56	3.01	4.25	48.18653196
C66	125.07	4/13/2017 12:02	2.73	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	69.062	166.78	6.222	0.75	70.75172113
C663	38.07	4/13/2017 12:00	1.8	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	74.699	14.89	1.42	2.557	37.06898031
C664	132.24	4/13/2017 12:00	4.74	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	62.422	30.33	0.2	4.36	25.34246888
C665	70.73	4/13/2017 0:01	2.17	0	0.54	0	0.01	0.01	2.14	0.01	0.01	1	0	1	0	1	0	191.966	90.66	5.859	0.78	47.69626971
C666MAS	148.7	4/13/2017 12:00	3.18	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	67.433	33.5	4.922	4.439	59.1894643
C667	53.21	4/13/2017 11:55	5.5	0	0.06	0	0	0	0	0	0	1	0	0	1	0.04	0	24.699	12.95	0.935	4.109	15.91696794
C67	9974	4/13/2017 15:10	7.06	0.02	0.25	0	0	0	0	0	0	1	0	1	0	0.59	0	351.249	643.05	37.727	15.51	50.37565958
C670	215.66	4/13/2017 11:56	4.77	0	0.07	0	0	0	0	0	0	1	0	0.05	0.95	0.06	0	61.69	50.13	4.88	4.302	120.6191417
C675	498.3	4/13/2017 12:06	2.71	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	190.888	248.91	22.713	2.002	56.16276022
C677	13.5	4/13/2017 12:06	0.78	0	0.06	0	0	0	0	0	0	1	0	1	0	0.98	0	109.675	21.67	2.118	0.623	134.2030616
C679	19.94	4/13/2017 12:11	0.87	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	146.149	10.86	0.504	1.836	329.1234574
C68	9976.84	4/13/2017 15:09	7.16	0.06	0.36	0	0	0	0	0	0	1	0	1	0	0.5	0	342.431	634.58	37.727	15.722	17.04373128
C680	50.37	4/13/2017 12:30	7.93	0.43	0.46	0	0	0	0	0	0	1	0	0	1	0	0	0	51.58	3.371	0.977	18.14633933
C685	6.25	4/13/2017 12:45	5.44	0.94	0.64	0	0	0	0	0	0	1	0	0	1	0	0	0	15.82	0.944	0.395	14.5707176
C686	15.6	4/13/2017 12:02	1.08	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	77.088	10.55	1.001	1.479	310.3546065
C687	37.65	4/13/2017 13:57	6.72	1.51	0.71	0	0.01	11.89	0.01	15.18	0.01	1	0	0	1	0	0	0	1333.52	27.051	0.028	17.51307543
C688	60.39	4/13/2017 12:00	0.97	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	157.906	20.51	2.817	2.944	137.3731972
C69	0.33	4/13/2017 12:00	2.93	0.03	0.11	0	0	0	0	0	0	1	0	0	0	0	0	0	55.08	4.06	0.006	16.2613555
C69_1	81.83	4/13/2017 12:35	1.51	0.02	0.2	0	0	0	0	0	0	1	0	1	0	1	0	174.214	118.01	4.376	0.693	36.74297254
C69_2	113.25	4/13/2017 12:33	1.77	0.13	0.43	0	0	0	0	0	0	1	0	1	0	1	0	123.444	160.06	5.898	0.708	69.26440726
C693	43.66	4/13/2017 12:00	2.3	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	70.252	17.09	1.741	2.555	183.4072967
C696	163.38	4/13/2017 12:00	5.04	0	0.04	0	0	0	0	0	0	1	0	0.97	0.03	0.99	0	69.545	41.11	4.341	3.974	62.23656558
C697	101.18	4/13/2017 12:00	2.1	0	0.32	0	0	0	0	0	0	1	0	1	0	1	0	54.76	23.58	2.384	4.291	167.1623293
C7	2442.38	4/13/2017 14:11	7.08	0.04	0.36	0	0	0	0	0	0	1	0	1	0	0.77	0	101.215	890.28	40.185	2.743	29.0911221
C70	9989.11	4/13/2017 15:08	5.86	0.11	0.35	0	0	0	0	0	0	1	0	1	0	0	0	320.784	617.77	34.617	16.17	63.16339261
C701	15.3	4/13/2017 12:08	0.39	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	91.444	8.81	0	1.737	191.0507175
C705	60.48	4/13/2017 12:00	2.24	0	0.03	0	0	0	0	0	0	1	0	1	0	0.87	0	76.499	17.94	2.482	3.371	240.4514975
C709	26.32	4/13/2017 12:00	1.41	0	0.11	0	0	0	0	0	0	1	0	1	0	0.17	0	100.092	20.49	0.368	1.285	148.8004995
C71	12.2	4/13/2017 12:00	1.43	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	48.093	2.71	0.339	4.502	127.3681991
C71_1	5226.08	4/13/2017 16:07	7.73	0.48	0.66	0	0	0	0	0	0	1	0	1	0	0	0	135.606	638.61	50.638	8.184	33.81947739
C71_2	5229	4/13/2017 16:07	7.19	0.34	0.69	0	0	0	0	0	0	1	0	1	0	0.83	0	143.56	642.07	50.665	8.144	271.6305378
C71_5	5268.27	4/13/2017 16:11	6.5	0.39	0.75	0	0	0	0	0	0	1	0	1	0	0.47	0	161.694	716.68	57.976	7.351	119.7380623
C712	25.75	4/13/2017 12:11	1.91	0	0.14	0	0	0	0	0	0	1	0	1	0	0.02	0	79.682	11.6	1.712	2.22	79.57262322
C713	131.53	4/13/2017 11:57	5.09	0.01	0.09	0	0	0	0	0	0	1	0	0	1	0	0	81.168	29.05	2.632	4.528	64.38051066
C715	82.89	4/13/2017 12:00	5.94	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	57.702	23.57	3.483	3.517	51.44785567
C716	80.82	4/13/2017 12:01	3.31	0	0.04	0	0	0	0	0	0	1	0	0.98	0.02	1	0	75.773	28.25	1.341	2.861	63.7972595
C719	38.64	4/13/2017 12:00	0.78	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	74.893	10.6	1.475	3.645	107.8913053
C72	481.73	4/13/2017 12:33	3.71	0.01	0.13	0	0	0	0	0	0	1	0	1	0	0	0	72.037	1666.89	37.553	0.289	196.3314291
C721	117.54	4/13/2017 12:00	6.24	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	45.195	31.55	3.457	3.726	18.24416074
C722	46.85	4/13/2017 12:05	2.07	0	0.05	0	0	0	0	0	0	1	0	1	0	0.98	0	82.742	21.65	0.587	2.164	454.4580438
C723	9.09	4/13/2017 12:00	0.7	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	52.565	4.06	0.822	2.239	84.29907628
C726	116.84	4/13/2017 11:55	2.46	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	95.372	23.42	5.734	4.989	79.99594216

Conduits SWMM 5-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft³)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C728	66.38	4/13/2017 12:01	0.41	0	0.1	0	0	0	0	0	0	1	0	1	0	0.95	0	240.485	20.88	1.241	3.179	43.28864271
C73	5225.39	4/13/2017 16:06	6.96	0.1	0.39	0	0	0	0	0	0	1	0	1	0	0	0	205.112	635.39	50.168	8.224	38.58734161
C733	99.36	4/13/2017 11:57	0.57	0	0.2	0	0	0	0	0	0	1	0	1	0	1	0	184.235	21.53	2.292	4.615	135.2549052
C74	4.83	4/13/2017 12:09	0.45	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	86.421	2.5	0.116	1.932	542.9572043
C741	40.53	4/13/2017 12:01	2.44	0	0.04	0	0	0	0	0	0	1	0	0.04	0.96	0	0	61.715	13.41	0	3.022	23.03913121
C746	46.66	4/13/2017 12:00	10.64	0.47	0.6	0	0.01	0.6	0.01	0.01	0.01	1	0	0	1	0	0.98	0	21.13	1.299	2.208	13.64841276
C75	477.7	4/13/2017 12:31	2.76	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	95.401	1656.15	37.249	0.288	96.80584104
C750	219.67	4/13/2017 12:26	3.03	0.01	0.17	0	0	0	0	0	0	1	0	1	0	0.71	0	108.565	396.18	15.51	0.554	121.076197
C754	119.09	4/13/2017 12:00	6.38	0	0.06	0	0	0	0	0	0	1	0	0	1	0	0	35.621	26.88	2.741	4.43	92.25955331
C758	97.62	4/13/2017 12:00	7.33	0	0.04	0	0	0	0	0	0	1	0	0.87	0.13	0.99	0	18.978	23.3	0.765	4.19	86.23885994
C76	9997.46	4/13/2017 15:08	6.71	0.25	0.22	0	0	0	0	0	0	1	0	1	0	0	0	237.657	610.86	34.495	16.366	167.1829351
C761	26.43	4/13/2017 12:16	6.19	1.36	0.58	0	0.01	0.01	1.83	0.79	0.01	1	0	1	0	0	0	0	25.95	1.273	1.018	13.85043583
C765	119.72	4/13/2017 11:55	3.57	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	63.276	30.41	3.152	3.937	80.37628672
C769	61.47	4/13/2017 12:04	2.1	0.01	0.1	0	0	0	0	0	0	1	0	1	0	0.97	0	76.551	22.11	1.432	2.78	184.7060744
C77	9999.12	4/13/2017 15:07	10.89	0.03	0.23	0	0	0	0	0	0	1	0	1	0	0	0	179.756	606.05	34.471	16.499	30.52697529
C771	31.92	4/13/2017 12:36	8.18	0.51	0.57	0	0.01	0.28	0.01	0.01	0.01	1	0	0.01	0.99	0	0.96	0	26.74	2.315	1.194	24.01087647
C775MAS	130.99	4/13/2017 11:59	10.04	0	0.07	0	0	0	0	0	0	1	0	0	1	0	0	22.26	29.1	4.329	4.501	41.18222053
C776	39.92	4/13/2017 12:16	2.17	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	57.72	25.95	1.273	1.538	267.4841651
C779	55.17	4/13/2017 12:00	1.22	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	149.212	23.66	3.343	2.332	74.14352223
C78	6.04	4/13/2017 12:00	4.61	0.72	0.7	0	0	0	0	0	0	1	0	0	0	0	0	0	22.85	2.809	0.264	30.06723036
C781	117.88	4/13/2017 12:00	3.59	0	0.06	0	0	0	0	0	0	1	0	0.11	0.89	0.67	0	78.359	31.55	3.457	3.736	53.89135686
C784	54.66	4/13/2017 11:55	2.96	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	61.838	16.47	3.39	3.319	99.51844873
C788	69.26	4/13/2017 12:00	7.05	0	0.05	0	0	0	0	0	0	1.12	0	0.87	0.13	1	0	14.45	16.81	0.518	4.12	20.33593984
C79	14.2	4/13/2017 12:01	1.13	0	0.01	0	0	0	0	0	0	1	0	1	0	1	0	57.047	5.59	0.245	2.54	176.7474429
C79_1	5224.66	4/13/2017 16:04	5.12	0.02	0.37	0	0	0	0	0	0	1	0	1	0	0.5	0	250.537	576.72	45.012	9.059	43.87699036
C79_3	5223.91	4/13/2017 16:05	4.43	0.03	0.39	0	0	0	0	0	0	1	0	1	0	0.49	0	261.794	587.49	46.682	8.892	145.36948
C79_4	5224.98	4/13/2017 16:06	4.56	0.07	0.39	0	0	0	0	0	0	1	0	1	0	0	0	261.794	629.35	49.581	8.302	70.61364472
C791	19.05	4/13/2017 11:59	1.32	0	0.09	0	0	0	0	0	0	1	0	0.52	0.48	0.45	0	116.7	8.81	0	2.162	66.11004678
C793	109.95	4/13/2017 12:00	1.2	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	125.189	29.26	0.902	3.758	76.69836625
C794	96.38	4/13/2017 12:00	3.89	0	0.05	0	0	0	0	0	0	1	0	0.07	0.93	0.09	0	56.094	22.9	3.016	4.209	177.5778743
C797	59.67	4/13/2017 12:00	1.32	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	117.486	23.81	1.649	2.506	44.90686875
C798	67.56	4/13/2017 12:00	4.64	0	0.04	0	0	0	0	0	0	1	0	0.05	0.95	0.05	0	92.738	20.88	1.241	3.236	47.08289379
C8	58.1	4/13/2017 12:06	18.44	0.85	0.46	0	0	0	0	0	0	1	0	0	1	0.01	0	0	34.93	4.14	1.663	17.095144
C8_1	2446.47	4/13/2017 14:08	7.64	0.2	0.56	0	0	0	0	0	0	1	0	1	0	0.35	0	145.07	813.9	36.192	3.006	36.85981129
C8_2	2446.12	4/13/2017 14:08	7.03	0.18	0.61	0	0	0	0	0	0	1	0	0.63	0.37	0.02	0	200.302	821.84	36.593	2.976	31.78134411
C80	5225.04	4/13/2017 16:03	7.26	0.01	0.32	0	0	0	0	0	0	1	0	1	0	0.81	0	188.474	567.79	43.503	9.202	44.22866082
C800	85.11	4/13/2017 12:00	4.29	0	0.04	0	0	0	0	0	0	1	0	0.98	0.02	0.99	0	49.527	19.27	1.861	4.417	64.96543471
C801	62.23	4/13/2017 12:00	1.71	0	0.06	0	0	0	0	0	0	1	0	1	0	0.82	0	111.854	16.16	0.491	3.851	86.18158652
C803_1	87.51	4/13/2017 12:02	1.54	0	0.07	0	0	0	0	0	0	1	0	1	0	0.98	0	155.469	29.05	0	3.012	52.63209588
C803_2	94.6	4/13/2017 12:03	1.83	0	0.06	0	0	0	0	0	0	1	0	1	0	0.02	0	142.053	31.58	0	2.996	64.14222556
C804	102.76	4/13/2017 12:06	9.2	0.81	0.74	0	0.01	1.04	0.01	1.62	0.01	1	0	0	1	0	0	0	248.91	22.713	0.413	10.70950108
C805	492.45	4/13/2017 12:06	3.05	0.01	0.09	0	0	0	0	0	0	1	0	1	0	0.19	0	126.592	248.91	22.713	1.978	37.40322989
C806MAS	4.4	4/13/2017 12:34	0.44	0.01	0.23	0	0	0	0	0	0	1	0	1	0	1	0	68.186	23.2	1.538	0.19	42.22694182
C81	467.29	4/13/2017 12:28	1.05	0.01	0.23	0	0	0	0	0	0	1	0	1	0	0	0	223.615	1634.32	37.221	0.286	62.99315794
C813_3	67.61	4/13/2017 12:00	3.79	0	0.06	0	0	0	0	0	0	1	0	0.98	0.02	0.47	0	154.208	56.03	1.558	1.207	173.5877293
C814	24.96	4/13/2017 12:02	3.05	0	0.06	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	28.045	9.74	0.628	2.563	51.55633377
C815	519.97	4/13/2017 12:07	4.5	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	117.608	261.54	23.729	1.988	84.83102572
C816	30.86	4/13/2017 12:02	1.03	0	0.05	0	0	0	0	0	0	1	0	1	0	0.98	0	176.986	10.86	0.504	2.842	105.6493208
C818	83.54	4/13/2017 12:00	2.27	0	0.21	0	0	0	0	0	0	1	0	1	0	1	0	93.083	24.03	1.928	3.476	322.0625077
C82	475.51	4/13/2017 12:26	3.36	0	0.16	0	0	0	0	0	0	1	0	1	0	0.68	0	109.11	1631.31	37.221	0.291	58.82253788
C820	102.26	4/13/2017 12:02	1.63	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	120.824	43.7	2.65	2.34	129.2259887
C822	14.32	4/13/2017 12:00	1.09	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	50.675	5.06	0.36	2.83	69.13404574
C823	222.15	4/13/2017 12:03	14.24	0.47	0.52	0	0.01	0.01	0.01	0.29	0.01	1	0	0	1	0.94	0	0	63.56	10.581	3.495	22.91098573
C825	42.24	4/13/2017 12:00	1.79	0	0.15	0	0	0	0	0	0	1	0	1	0	0.95	0	117.642	10.66	0.917	3.962	77.31206094
C828	235.24	4/13/2017 12:00	1.53	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	114.894	58.76	7.319	4.003	94.16703722
C83	5225.67	4/13/2017 16:03	5.64	0.05	0.34	0	0	0	0	0	0	1	0	1	0	0	0	200.17	564.77	43.358	9.253	71.11675712
C831	43.48	4/13/2017 12:00	2.01	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	72.797	13.65	1.045	3.185	148.5818374
C836	31.23	4/13/2017 12:00	3.13	0	0.03	0	0	0	0	0	0	1	0	0.97	0.03	1	0	35.997	8.6	0.676	3.631	33.87235099
C837	44.23	4/13/2017 11:55	2.94	0	0.05	0	0	0	0	0	0	1	0	0.98	0.02	0.98	0	47.061	10.39	1.458	4.257	23.34305173
C84	10001.79	4/13/2017 15:06	8.12	0.02	0.18	0	0	0	0	0	0	1	0	1	0	0.45	0	192.317	590.85	33.302	16.928	37.22022296
C842	67.08	4/13/2017 12:05	0.59	0	0.13	0	0	0	0	0	0	1	0	1	0	0.98	0	158.524	11.39	0.027	5.889	48.37805664
C843	20.74	4/13/2017 12:00	0.82	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	90.235	6.37	1.005	3.256	72.39562982
C845	66.71	4/13/2017 12:00	2.37	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	71.247	16.43	2.104	4.06	25.64069993
C848	25.15	4/13/2017 12:00	0.92	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	115.931	7.23	0.48	3.479	46.22778412
C849	43.78	4/13/2017 12:00	3.58	0	0.09	0	0	0	0	0	0	1	0	0.17	0.83	0.15	0	51.795	16.9	1.499	2.591	164.8424756
C850	35.84	4/13/2017 12:00	1.7	0.02	0.16	0	0	0	0	0	0	1	0	1	0	0.12	0	53.05	18.65	0.003	1.922	45.89264765
C851	99.04	4/13/2017 12:00	5.56	0	0.03	0	0	0	0	0	0	1	0	0.96	0.04	0.99	0	38.373	27.67	3.165	3.579	40.96286426
C852	26.62	4/13/2017 12:05	1.02	0	0.11	0	0	0	0	0	0	1	0	1	0	0.99	0	169.991	10.43	0.387	2.552	35.79280502
C853	11.95	4/13/2017 12:00	0.22	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	111.429	3.82	0.425	3.128	75.10544523
C854	90.97	4/13/2017 12:00	1.81	0	0.08	0	0	0	0	0	0	1	0	1	0	0.57	0	94.13	20.69	2.265	4.397	62.63662263

Conduits SWMM 5-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C857	107.12	4/13/2017 11:55	2.53	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	72.824	23.52	2.333	4.554	88.05448694
C85MAS	16.19	4/13/2017 12:07	3.67	0.44	0.26	0	0.01	0.01	0.01	1.35	0.01	1	0	1	0	0	0	0	23.2	1.538	0.698	15.53931756
C86	6.24	4/13/2017 12:00	0.63	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	48.437	1.69	0.259	3.692	311.3119168
C860	94.37	4/13/2017 12:00	2.01	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	98.754	21.52	3.217	4.385	191.5616998
C861	54.59	4/13/2017 12:00	2.19	0	0.19	0	0	0	0	0	0	1	0	0.47	0.53	0.09	0	118.051	17.87	2.405	3.055	151.2040607
C865	15.19	4/13/2017 12:03	1.08	0	0.09	0	0	0	0	0	0	1	0	1	0	0	0	76.725	13.84	1.938	1.098	125.7208663
C866	86.74	4/13/2017 11:55	4.4	0	0.04	0	0	0	0	0	0	1	0	0.96	0.04	1	0	45.587	20.27	2.205	4.279	64.06397322
C867	34.83	4/13/2017 12:00	1.55	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	49.762	13.54	1.54	2.572	146.0239253
C869	67.78	4/13/2017 12:00	2.12	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	121.456	18.08	2.938	3.749	103.5736093
C87	414.4	4/13/2017 12:24	3.21	0.01	0.17	0	0	0	0	0	0	1	0	1	0	0.96	0	66.526	1582.22	34.77	0.262	78.81835307
C873	14916.07	4/13/2017 16:00	6.08	0.25	0.65	0	0	0	0	0	0	1	0	1	0	0.45	0	352.488	3578.82	274.491	4.168	31.11969299
C88	78.84	4/13/2017 12:00	8.17	0.34	0.46	0	0.01	0.01	0.01	0.07	0.01	1	0	0	0	0	0	0	58.76	7.319	1.342	14.99381957
C883	77.65	4/13/2017 11:55	4.73	0	0.03	0	0	0	0	0	0	1	0	0.98	0.02	1	0	32.321	20.99	2.324	3.699	87.51800942
C886MAS	105.09	4/13/2017 11:56	2.51	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	80.553	21.63	3.631	4.859	172.8516819
C89	97.34	4/13/2017 12:04	1.15	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	130.915	33.88	4.505	2.873	81.51231812
C890	66.63	4/13/2017 11:56	1.8	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	95.11	14.1	3.189	4.726	22.07789997
C892	62.49	4/13/2017 11:55	6.75	0	0.03	0	0	0	0	0	0	1	0	0	1	0.38	0	34.104	12.58	2.988	4.967	102.6053442
C893	54.54	4/13/2017 12:00	1.01	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	126.262	36.08	4.249	1.512	89.7687153
C897	81.76	4/13/2017 12:00	3.72	0	0.03	0	0	0	0	0	0	1	0	0	1	0.05	0	74.529	23.89	2.712	3.422	31.32735056
C898	47.65	4/13/2017 12:00	1.89	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	66.495	13.12	1.643	3.632	238.9279428
C899	66.29	4/13/2017 12:00	6.06	0	0.02	0	0	0	0	0	0	1	0	0	1	0	0	26.722	20.88	1.241	3.175	65.41270546
C9	24.24	4/13/2017 12:00	0.71	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	163.291	5.5	0.105	4.407	199.5783394
C9_1	2447.76	4/13/2017 14:06	6.28	0.24	0.57	0	0	0	0	0	0	1	0	1	0	0	0	215.661	802.92	36.077	3.049	212.1507806
C9_2	2446.58	4/13/2017 14:08	12.4	0.11	0.43	0	0	0	0	0	0	1	0	0.88	0.12	0.01	0	60.646	807.92	36.177	3.028	134.4117552
C90	325.73	4/13/2017 12:07	5.88	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	41.976	451.09	19.458	0.722	163.9934259
C903	89.73	4/13/2017 12:00	1.94	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	64.383	22.85	2.809	3.927	126.6669325
C905	100.21	4/13/2017 12:00	5.6	0	0.05	0	0	0	0	0	0	1	0	0.99	0.01	0.98	0	23.791	22.69	0.197	4.416	177.5096817
C907	24.93	4/13/2017 12:00	2.29	0	0.06	0	0	0	0	0	0	1	0	1	0	0.99	0	45.84	9.74	0.769	2.56	50.62426903
C908_1	163.35	4/13/2017 12:00	5.14	0	0.09	0	0	0	0	0	0	1	0	0.45	0.55	0.8	0	96.601	50.38	8.883	3.242	104.0323935
C908_2	192.58	4/13/2017 12:00	7.52	0	0.09	0	0	0	0	0	0	1	0	0	1	0.02	0	96.601	59.17	10.144	3.255	180.8873337
C909	46.34	4/13/2017 12:00	2.02	0	0.04	0	0	0	0	0	0	1	0	1	0	0.39	0	67.55	11.13	1.755	4.164	48.1947054
C91_1	5232.61	4/13/2017 16:00	7.75	0.04	0.3	0	0	0	0	0	0	1	0	1	0	0	0	116.457	544.64	41.247	9.607	26.74074459
C91_2	5232.53	4/13/2017 16:00	8.87	0.05	0.27	0	0	0	0	0	0	1	0	1	0	0.91	0	108.107	547.74	41.433	9.553	192.6465915
C911	55.64	4/13/2017 12:00	1.9	0.01	0.15	0	0	0	0	0	0	1	0	0.07	0.93	0.07	0	89.233	13.07	1.708	4.257	77.65919408
C914	15.25	4/13/2017 12:00	0.81	0	0.4	0	0	0	0	0	0	1	0	0.76	0	0.49	0	574.229	7.28	0	2.095	31.56641208
C92	10005	4/13/2017 15:05	6.03	0.04	0.22	0	0	0	0	0	0	1	0	1	0	0	0	273.165	570.08	31.912	17.55	236.7620029
C920	32.99	4/13/2017 12:03	2.19	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	50.992	9.61	0.626	3.433	111.046085
C922	57.75	4/13/2017 11:55	6.27	0	0.03	0	0	0	0	0	0	1	0	0.01	0.99	1	0	32.193	12.68	1.462	4.554	34.72606489
C929	47.82	4/13/2017 12:01	1.33	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	145.159	15.58	0.518	3.069	135.979726
C93	52.09	4/13/2017 12:06	1.83	0	0.06	0	0	0	0	0	0	1	0	1	0	0.98	0	115.505	24.07	1.511	2.164	197.1822112
C93_1	185.82	4/13/2017 12:04	10.31	0.28	0.47	0	0	0	0	0	0	1.49	0	0	1	0	0	0	102.56	13.732	1.812	17.0452216
C93_2	370.32	4/13/2017 12:04	5.47	0	0.24	0	0	0	0	0	0	1	0	1	0	1	0	58.462	113.07	16.258	3.275	66.89995112
C93_3MAS_1	16.19	4/13/2017 12:08	2.62	0.05	0.25	0	0	0	0	0	0	1	0	1	0	0.03	0	17.619	23.2	1.538	0.698	99.62865926
C93_3MAS_2	19.14	4/13/2017 12:03	2.5	0.05	0.28	0	0	0	0	0	0	1	0	1	0	1	0	17.935	24.3	1.614	0.788	91.77985398
C93_5MAS	19.26	4/13/2017 12:05	2.56	0.06	0.28	0	0	0	0	0	0	1	0	1	0	0	0	19.105	24.3	1.614	0.793	143.3590012
C93_6MAS	19.05	4/13/2017 12:08	1.05	0.05	0.33	0	0	0	0	0	0	1	0	1	0	1	0	48.864	24.3	1.614	0.784	57.50517318
C933	18.46	4/13/2017 12:03	0.5	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	215.636	8.43	0.289	2.19	57.00117545
C934	46.27	4/13/2017 12:00	2.42	0	0.04	0	0	0	0	0	0	1	0	0.31	0.69	0.32	0	57.261	17.55	0	2.636	209.3777292
C939	73.43	4/13/2017 11:56	4.57	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	46.407	15.96	2.793	4.601	54.80490735
C94	5232.67	4/13/2017 16:00	7.58	0.78	0.44	0	0	0	0	0	0	1	0	1	0	0	0	139.133	541.36	40.84	9.666	61.56457011
C941	13.69	4/13/2017 12:00	0.9	0	0.04	0	0	0	0	0	0	1	0	1	0	0.97	0	73.971	3.68	0.028	3.72	46.8575812
C943	58.3	4/13/2017 12:00	2.89	0	0.03	0	0	0	0	0	0	1	0	0.98	0.02	0	0	93.458	15.22	1.99	3.83	53.73973226
C944	86.78	4/13/2017 12:00	4.75	0	0.07	0	0	0	0	0	0	1	0	0	1	0.04	0	65.536	23.4	0.423	3.709	114.9072664
C946	57.93	4/13/2017 11:55	6.55	0	0.03	0	0	0	0	0	0	1.34	0	0	1	0.02	0	36.978	12.68	1.462	4.569	18.44568334
C948	82.7	4/13/2017 12:02	3.72	0	0.13	0	0	0	0	0	0	1	0	0.49	0.51	0	0	157.496	36.4	2.65	2.272	93.89677141
C949	57.9	4/13/2017 12:00	2.33	0	0.06	0	0	0	0	0	0	1	0	0.1	0.9	0.13	0	54.743	13.47	0.139	4.298	31.01541094
C95	5232.79	4/13/2017 15:59	7.11	0.03	0.26	0	0	0	0	0	0	1	0	1	0	0	0	141.963	520.27	38.604	10.058	62.59536402
C950	25.87	4/13/2017 12:00	1.47	0	0.21	0	0	0	0	0	0	1	0	0.47	0.53	0.85	0	67.997	6.3	0.113	4.106	129.2103949
C955	11.36	4/13/2017 12:00	0.19	0	0.21	0	0	0	0	0	0	1	0	1	0	1	0	156.474	9.19	0	1.236	83.24175412
C957	106.23	4/13/2017 12:00	1.65	0	0.39	0	0	0	0	0	0	1	0	1	0	1	0	96.328	24.92	4.049	4.263	140.5751249
C96	323.14	4/13/2017 12:05	2.68	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	89.828	448.01	19.458	0.721	153.9352316
C961	23.81	4/13/2017 12:00	2.25	0	0.04	0	0	0	0	0	0	1	0	0.99	0.01	1	0	26.624	7.85	0.79	3.033	52.84022058
C962	36.77	4/13/2017 11:55	6.84	0	0.04	0	0	0	0	0	0	1	0	0.02	0.98	0.19	0	9.925	7.51	1.281	4.896	35.83843174
C963	52.77	4/13/2017 11:56	1.51	0	0.07	0	0	0	0	0	0	1	0	1	0	0.97	0	126.593	15.03	1.204	3.511	124.925283
C968	22.15	4/13/2017 12:00	1.48	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	53.336	7.6	1.175	2.914	16.89476764
C97	10006.85	4/13/2017 15:04	4.3	0.04	0.33	0	0	0	0	0	0	1	0	1	0	0.21	0	296.924	562.76	31.826	17.782	85.61981463
C972	15.15	4/13/2017 12:00	2.18	0	0.03	0	0	0	0	0	0	1	0	0.99	0.01	0.98	0	68.835	11.05	0.002	1.371	46.0081208
C973	26.8	4/13/2017 12:00	1.73	0	0.03	0	0	0	0	0	0	1	0	1	0	0.19	0	80.322	9.74	0.628	2.752	114.5584369
C975	54.29	4/13/2017 12:00	4.38	0	0.03	0	0	0	0	0	0	1	0	0.04	0.96	0	0	28.47	13.23	1.247	4.104	145.556902
C977	16.8	4/13/2017 12:00	3.59	0	0.04	0	0	0	0	0	0	1	0	0.98	0.02	1	0	26.334	5.49	0.545	3.06	21.44104946

Conduits SWMM 5-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C98	357.92	4/13/2017 12:20	6.85	0.01	0.12	0	0	0	0	0	0	1	0	1	0	0	0	28.825	1527.47	32.968	0.234	150.8968432
C980_2MAS	4.88	4/13/2017 12:30	1.2	0.01	0.11	0	0	0	0	0	0	1	0	0.03	0.01	0.99	0	48.37	17.81	0.868	0.274	30.24495884
C981_2	24.75	4/13/2017 12:08	4.89	0	0.03	0	0	0	0	0	0	1	0	0	1	0.01	0	24.087	10.81	1.784	2.29	47.98551127
C981_3	53.88	4/13/2017 11:55	1.75	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	93.725	10.81	1.784	4.984	129.3845525
C981_4	24.79	4/13/2017 12:07	9.04	0.54	0.56	0	0	0	0	0	0	1	0	0	1	0	0	0	10.81	1.784	2.293	19.7615568
C99	29.24	4/13/2017 12:00	0.98	0	0.08	0	0	0	0	0	0	1	0	1	0	0.15	0	131.622	9.24	0	3.165	92.12405932
C991_2MAS	15.74	4/13/2017 12:00	1.76	0	0.09	0	0	0	0	0	0	1	0	0.05	0.95	0.05	0	78.863	11.33	1.773	1.389	106.4960688
C991MAS	3.31	4/13/2017 12:00	0.71	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	38.983	8	1.566	0.414	138.1076954
C992	38.79	4/13/2017 12:00	1.51	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	63.898	10.48	0	3.701	213.0927174
grof_100_11	31.24	4/13/2017 12:00	7.38	0	0.14	0	0	0	0	0	0	1	0.99	0	0	0	0	36.634	19.6	1.215	1.594	31.79016866
grof_100_12	57.65	4/13/2017 12:01	2.21	0.06	0.27	0	0	0	0	0	0	1	0.96	0	0	0	0	142.513	22.67	1.802	2.543	30.99935503
grof_100_3	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	2.03	1	0	0	0	0	0	86.23	7.185	0	40.63487806
grof_100_5	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.62	1	0	0	0	0	0	11.76	2.888	0	44.06076848
grof_100_6	12.2	4/13/2017 12:13	6.34	0	0.01	0	0	0	0	0	0	3.27	0.98	0	0	0	0	25.864	29.04	4.497	0.42	22.46221329
grof_100_7	60.05	4/13/2017 12:01	8.05	0	0.02	0	0	0	0	0	0	1.66	0.99	0	0	0	0	68.11	32.49	4.147	1.848	49.31436527
grof_100_8	17.57	4/13/2017 12:01	3.76	0	0.02	0	0	0	0	0	0	1	1	0	0	0	0	100.015	14	1.461	1.255	33.32252993
grof_100_9	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.85	1	0	0	0	0	0	17.86	1.982	0	26.3112352
GROF100	304.85	4/13/2017 12:01	7.09	0	0.05	0	0	0	0	0	0	1.17	0.96	0	0	0	0	98.686	117.17	9.563	2.602	23.32095192
GROF101	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.36	1	0	0	0	0	0	18.97	1.818	0	24.35774472
GROF103	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	34.93	4.14	0	27.84783669
GROF104	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	57.85	5.703	0	37.26826934
GROF105	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	60.86	5.884	0	39.91482077
GROF106	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	23.9	1.737	0	25.52975535
GROF107	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	29.58	2.195	0	23.0218893
GROF108	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	212.48	20.186	0	63.79575108
GROF109	99.74	4/13/2017 12:12	9.03	0	0.06	0	0	0	0	0	0	1	0.97	0	0	0	0	32.79	263.68	23.114	0.378	53.33253292
GROF11	957.22	4/13/2017 13:57	15.9	0.07	0.3	0	0	0	0	0	0	1	0.92	0	0	0	0	37.636	643.06	25.39	1.489	26.58112958
GROF110	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	343.83	26.264	0	23.5722879
GROF112	34.67	4/13/2017 12:00	3.49	0	0.02	0	0	0	0	0	0	1.38	0.99	0	0	0	0	78.157	17.88	0.594	1.939	37.63622909
GROF113	100.6	4/13/2017 12:00	5.49	0	0.05	0	0	0	0	0	0	1	0.95	0	0	0	0	121.423	46.78	2.133	2.15	24.33568357
GROF114	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	26.52	5.878	0	24.33227358
GROF12	97.3	4/13/2017 0:00	4.9	0	0.02	0	0	0	0	0	0	1.1	0.81	0	0	0	0	144.792	90.66	5.859	1.073	26.34268656
GROF13	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.27	1	0	0	0	0	0	51.58	3.371	0	27.98119459
GROF14	14.92	4/13/2017 12:13	1.54	0	0.06	0	0	0	0	0	0	1	0.97	0	0	0	0	32.509	25.95	1.273	0.575	26.56790245
GROF15	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	802.92	36.077	0	49.77436053
GROF16	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	684.31	38.899	0	32.83322275
GROF17	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	61.67	3.56	0	19.10430842
GROF200	102.42	4/13/2017 12:02	6.47	0.02	0.11	0	0	0	0	0	0	1	0.95	0	0	0	0	61.326	97.57	10.384	1.05	38.72120345
GROF21	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	15.82	0.944	0	21.73831212
GROF22	34.2	4/13/2017 13:57	4.87	0.01	0.21	0	0	0	0	0	0	1	0.81	0	0	0	0	36.059	1333.52	27.051	0.026	38.19960761
GROF25	21.68	4/13/2017 12:07	7.42	0	0.07	0	0	0	0	0	0	1	0.99	0	0	0	0	16.034	50.9	4.137	0.426	21.66067044
GROF26	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	21.19	2.268	0	29.16477628
GROF27	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.83	1	0	0	0	0	0	111.87	12.188	0	26.37475642
GROF28	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.96	1	0	0	0	0	0	42.37	4.096	0	22.89502536
GROF29	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	79.83	8.432	0	34.53238167
GROF3	1808.25	4/13/2017 13:39	8.75	0.03	0.24	0	0	0	0	0	0	1	0.86	0	0	0	0	104.668	38.45	1.048	47.029	29.73111315
GROF31	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	15.54	1.258	0	25.0800392
GROF32	0	4/13/2017 0:00	0	0	0.02	0	0	0	0	0	0	2.95	0.99	0	0	0	0	99.922	120.91	18.56	0	32.50097966
GROF33	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	2.48	1	0	0	0	0	0	105.77	10.988	0	24.34145594
GROF34	158.96	4/13/2017 12:04	8.7	0.01	0.19	0	0	0	0	0	0	1	0.98	0	0	0	0	50.054	102.56	13.732	1.55	25.07889538
GROF37	156.08	4/13/2017 12:00	12.91	0.03	0.24	0	0	0	0	0	0	1	0.98	0	0	0	0	30.897	58.76	7.319	2.656	23.49688833
GROF38	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	5.35	1	0	0	0	0	0	39.87	3.574	0	44.79291628
GROF39	25386.69	4/13/2017 15:38	9.61	0.08	0.56	0	0	0	0	0	0	1	0	0.49	0.01	0	0	489.524	1458.2	102.249	17.41	40.98229972
GROF4	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	396.18	15.51	0	28.56362081
GROF40	10.9	4/13/2017 12:23	1.44	0	0.02	0	0	0	0	0	0	1	0.99	0	0	0	0	209.727	557.95	64.942	0.02	42.10541207
GROF42	45.32	4/13/2017 12:06	6.54	0	0.03	0	0	0	0	0	0	1.57	0.99	0	0	0	0	41.154	104.93	20.288	0.432	35.94882395
GROF43	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	90.95	17.282	0	46.55860358
GROF44	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	3.64	1	0	0	0	0	0	63.56	10.581	0	48.86384284
GROF45	21.36	4/13/2017 11:55	4.11	0	0.06	0	0	0	0	0	0	1	0.99	0	0	0	0	45.004	9.01	1.501	2.371	36.24614916
GROF46	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	2.1	1	0	0	0	0	0	6.1	1.352	0	76.33486615
GROF47	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	273.04	25.157	0	30.46401274
GROF48	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.79	1	0	0	0	0	0	169.53	13.624	0	38.81768901
GROF49	57.05	4/13/2017 12:00	7.44	0.01	0.08	0	0	0	0	0	0	1	0	0	0	0	0	47.172	55.08	4.06	1.036	41.3077958
GROF5	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	381.42	14.371	0	30.0212102
GROF50	2.73	4/13/2017 12:44	2.14	0	0.04	0	0	0	0	0	0	1	0.97	0	0	0	0	34.195	32.1	1.839	0.085	22.91365506
GROF51	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.01	1	0	0	0	0	0	61.04	5.874	0	35.12527079
GROF52	0.16	4/13/2017 12:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	12.26	1.413	0.013	24.47602966
GROF53	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	12.26	1.413	0	29.88875791
GROF54	0	4/13/2017 12:35	0.88	0	0.02	0	0	0	0	0	0	1	0.99	0	0	0	0	3.517	11.35	0.809	0	25.4148865
GROF55	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.35	0.809	0	17.70310007

Conduits SWMM 5-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft³)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
GROF56	0.84	4/13/2017 13:30	1.58	0	0.06	0	0	0	0	0	0	1	0.9	0	0	0	0	13.024	11.35	0.809	0.074	32.72981806
GROF58	70.51	4/13/2017 12:05	10.02	0	0.1	0	0	0	0	0	0	1	0.98	0	0	0	0	23.593	219.11	18.599	0.322	28.23107325
GROF59	233.28	4/13/2017 12:05	3.79	0	0.24	0	0	0	0	0	0	1.78	0	0.03	0	0.5	0	123.185	243.55	22.026	0.958	37.21733813
GROF6	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	21.13	1.299	0	24.45744047
GROF60	224.85	4/13/2017 12:14	14.01	0.08	0.47	0	0	0	0	0	0	1	0.97	0	0	0	0	97.534	248.91	22.713	0.903	36.94398192
GROF61	390.02	4/13/2017 12:06	9.64	0	0.09	0	0	0	0	0	0	1.57	0.93	0	0	0	0	99.747	248.91	22.713	1.567	22.82298504
GROF63	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	2.57	1	0	0	0	0	0	101.24	8.943	0	32.53140549
GROF64	0.44	4/13/2017 12:05	1.61	0	0.05	0	0	0	0	0	0	1	0.99	0	0	0	0	4.343	13.01	1.687	0.034	35.33344707
GROF65	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	3.12	1	0	0	0	0	0	8.01	0.953	0	28.344948
GROF66	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	45.91	6.038	0	48.64403844
GROF67	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.35	1	0	0	0	0	0	25.46	3.457	0	42.11318395
GROF68	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.64	1.097	0	29.93544523
GROF69	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	10.81	1.784	0	31.54731873
GROF70	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.64	1.097	0	38.36083324
GROF75	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	133.47	8.332	0	37.05568049
GROF76	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	77.13	4.449	0	34.8249025
GROF79	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	29.26	0.902	0	33.29647985
GROF80	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	30.38	2.581	0	38.98485539
GROF81	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	6.37	1.005	0	31.50725701
GROF82	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.6	1.712	0	33.12023577
GROF83	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	123.84	10.356	0	55.57563919
GROF84	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	67.92	5.397	0	49.88201729
GROF87	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	20.48	2.44	0	25.02295052
GROF88	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	17.87	2.405	0	26.05383436
GROF89	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	41.53	2.987	0	40.54833597
GROF90	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	23.2	1.538	0	24.81557939
GROF95	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	30.78	1.792	0	25.78363117
GROF96	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	26.74	2.315	0	37.2975681
MASC13	21.53	4/13/2017 11:55	2.48	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	45.989	5.03	1.027	4.28	85.52389101
MASC14_1	33.51	4/13/2017 11:55	9.08	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	20.124	8	1.566	4.189	115.1505193
MASC14_3	60.84	4/13/2017 11:55	5.7	0	0.05	0	0	0	0	0	0	1	0	0	1	1	0	43.466	13.83	3.044	4.399	126.8077537
MASC14_4	59.74	4/13/2017 11:57	4.09	0	0.08	0	0	0	0	0	0	1	0	0.96	0.04	1	0	67.781	13.83	3.044	4.32	162.4481157
MASC231_1	8.25	4/13/2017 12:00	1.16	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	20.31	1.92	0.307	4.297	38.72611549
MASC231_2	18.83	4/13/2017 12:00	1.04	0.01	0.31	0	0	0	0	0	0	1	0	1	0	1	0	31.616	4.31	0.446	4.369	63.31490564
MASC231_3	15.57	4/13/2017 12:01	5.92	1.13	0.9	0	0.01	0.63	0.01	0.41	0.01	1	0	0.98	0.02	0.89	0	0	7.96	0.533	1.956	9.583708341
MASC231_4	34.94	4/13/2017 12:00	0.97	0.04	0.45	0	0	0	0	0	0	1	0	1	0	0.03	0	53.862	7.96	0.533	4.389	53.09833665
MASC231_5	25.36	4/13/2017 12:00	1.78	0.02	0.27	0	0	0	0	0	0	1	0	1	0	0.93	0	26.89	10.44	0.652	2.429	34.08031077
MASC231_7	32.72	4/13/2017 12:00	2.3	0.02	0.44	0	0	0	0	0	0	1	0	1	0	0.84	0	53.415	12.31	0.763	2.658	38.01694486
MASC311	15.4	4/13/2017 12:00	1.63	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	40.92	4.74	0.478	3.249	80.20600313
MASC440_2	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	4013.66	315.389	0	21.42366419
MASC440_3	20618.28	4/13/2017 16:10	11.96	0.03	0.41	0	0	0	0	0	0	1	0	1	0	0.45	0	278.23	4043.09	317.678	5.1	91.46352853
MASC440_4	24360.59	4/13/2017 16:09	7.37	0.1	0.64	0	0	0	0	0	0	1	0	1	0	0.8	0	424.302	4030.57	317.402	6.044	118.4251605
MASC93_1	357.13	4/13/2017 12:03	8.21	0.02	0.2	0	0	0	0	0	0	1	0	0.97	0.03	0.95	0	36.29	115.15	18.17	3.101	133.3585878
MASC93_3	363.31	4/13/2017 12:04	2.76	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	199.33	118.64	19.182	3.062	127.3538214
MASC93_4	3703.98	4/13/2017 16:10	5.22	0.01	0.33	0	0	0	0	0	0	1	0	0.95	0.05	0.78	0	404.122	129.67	21.599	28.565	79.90261786
MASC931	378.39	4/13/2017 12:04	5.63	0.03	0.2	0	0	0	0	0	0	1	0	1	0	0	0	38.896	116.75	17.391	3.241	59.11639708
MASC932	63.63	4/13/2017 12:04	5.29	0.04	0.25	0	0	0	0	0	0	1	0	0.98	0.02	1	0	0	120.91	18.56	0.526	19.2383905
MAS78_Rev_Weir	61.47	4/13/2017 12:00	1.83	0	0.1	0	0	0	0	0	0	1	0	1	0	0.01	0	70.335	14.67	0.767	4.19	7.707331408
GROF77	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	63.54	3.179	0	42.40238755
C_MAS1	446.88	4/13/2017 12:08	4.68	0.07	0.36	0	0	0	0	0	0	1	0	1	0	0.74	0	122.769	511.45	32.309	0.874	106.0700545
C_MAS82	28.07	4/13/2017 12:01	3.04	0.03	0.29	0	0	0	0	0	0	1	0	0.01	0.99	0.01	0	94.543	9.59	0.047	2.927	165.1443625
C_MAS95_1	9.68	4/13/2017 12:00	1.84	0.01	0.16	0	0	0	0	0	0	1	0	0.92	0.08	0.44	0	55.582	3.62	0.022	2.674	22.89123932
C_MAS95_3	9.46	4/13/2017 12:00	1.29	0.01	0.18	0	0	0	0	0	0	1	0	0.97	0.03	0.81	0	66.893	3.62	0.022	2.613	45.58967537
C_MAS95_4	21.79	4/13/2017 12:00	6.85	0.02	0.22	0	0	0	0	0	0	1	0	0.42	0.58	0.38	0	80.175	7.14	0.022	3.052	34.58746622
C_7	83.38	4/13/2017 12:00	3.41	0	0.03	0	0	0	0	0	0	1	0.96	0	0	0	0	169.612	22.85	2.809	3.649	35.99907183
C_8	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	50.69	6.821	0	22.78399461
C661	53.71	4/13/2017 12:01	0.8	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	153.417	19.44	2.142	2.763	248.4625276
C_MAS55	100.71	4/13/2017 12:04	1.88	0.04	0.5	0	0	0	0	0	0	1	0	1	0	1	0	91.271	50.29	5.349	2.003	132.9962202
C11	2468.07	4/13/2017 14:00	4.29	0.14	0.63	0	0	0	0	0	0	1	0	1	0	1	0	133.136	766.97	33.04	3.218	338.9420986
C1116	14952.73	4/13/2017 15:58	5.07	0.1	0.53	0	0	0	0	0	0	1	0	1	0	0.46	0	385.964	3478.99	268.957	4.298	152.7138966
C_108	14925.84	4/13/2017 15:59	6.05	0.38	0.5	0	0	0	0	0	0	1	0	1	0	0	0	353.312	3503.62	270.129	4.26	108.19683
C_MAS131	75.01	4/13/2017 12:00	6.71	0	0.06	0	0	0	0	0	0	1	0	0	1	0	0	36.49	22.96	3.226	3.267	43.96629108
C1010	15.71	4/13/2017 12:00	0.52	0	0.21	0	0	0	0	0	0	1	0	1	0	1	0	280.523	6.91	1.224	2.274	212.2104808
C210	98.16	4/13/2017 12:02	0.91	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	213.298	144.21	3.966	0.681	100.7945193

Conduits SWMM 10-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
3	28056.18	4/13/2017 15:09	11.6	0.49	0.57	0	0	0	0	0	0	1	0	0.35	0	0	0	322.66	2091.83	177.907	13.412	272.4340973
4	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	676.02	38.467	0	279.4289225
5	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2232.33	191.465	0	445.1989957
6	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	693.14	41.121	0	604.4188819
C_1	4026.23	4/13/2017 13:30	4.5	0.21	0.7	0	0	0	0	0	0	1	0	1	0	0.83	0	157.35	5.68	0	708.843	255.6570809
C_100	345.95	4/13/2017 12:03	3.22	0.01	0.18	0	0	0	0	0	0	1	0	1	0	1	0	66.545	141.25	11.396	2.449	107.0220487
C_101	342.13	4/13/2017 12:13	12.39	0.49	0.73	0	0.01	0.33	0.01	0.95	0.01	1.43	0	0	1	0	0	0	169.53	13.624	2.018	17.93943794
C_102	342.13	4/13/2017 12:13	7.26	0.01	0.18	0	0	0	0	0	0	1	0	0.76	0.24	1	0	55.602	169.53	13.624	2.018	38.28949218
C_110	27.11	4/13/2017 12:00	1.19	0	0.32	0	0	0	0	0	0	1	0	1	0	0.9	0	325.171	7.94	0.401	3.414	19.02556442
C_117	4171.96	4/13/2017 13:42	3.14	0.14	0.87	0	0	0	0	0	0	1	0	1	0	0.79	0	476.288	643.06	25.39	6.488	95.28338008
C_118	4173.87	4/13/2017 13:40	6.15	0.31	0.65	0	0	0	0	0	0	1	0	1	0	0.5	0	103.171	643.06	25.39	6.491	132.0769117
C_119	4178.63	4/13/2017 13:35	8.63	0.19	0.54	0	0	0	0	0	0	1	0	1	0	0.81	0	183.52	588.3	24.617	7.103	187.9682415
C_122	583.42	4/13/2017 12:30	11.65	2.8	1	0	2.2	4.8	2.2	6.73	2.2	1	0	0.95	0.05	0	0.53	0	38.45	1.048	15.173	16.12935326
C_123	28.03	4/13/2017 12:00	0.26	0	0.85	0	0.01	0.01	3	0.01	0.01	1	0	1	0	0.82	0	173.93	7.82	0.638	3.584	26.40379445
C_124	48.93	4/13/2017 12:00	0.31	0	0.44	0	0	0	0	0	0	1	0	0.64	0	0.82	0	250.33	12	0	4.077	33.96620205
C_148	19824.26	4/13/2017 14:52	6.68	0.89	0.92	0	0	0	0	0	0	1	0	1	0	0.04	0	446.614	676.02	38.467	29.325	75.9930443
C_156	60.1	4/13/2017 11:55	2.23	0	0.39	0	0	0	0	0	0	1	0	1	0	1	0	81.037	11.44	1.002	5.253	81.80195593
C_3	4026.43	4/13/2017 13:30	3.13	0.34	0.88	0	0	0	0	0	0	1	0	1	0	0	0	200.526	12.65	0.227	318.295	166.2500155
C_4	4029.27	4/13/2017 13:31	3.25	0.12	0.86	0	0	0	0	0	0	1	0	1	0	0	0	195.493	27.61	0.406	145.935	25.19095239
C_9_91	9.7	4/13/2017 11:56	1.54	0.2	1	0	12.06	12.06	13.92	0.01	0.01	1	0	1	0	0.44	0	0	42.31	2.148	0.229	17.83556208
C_GR_001	363.24	4/13/2017 12:01	8.61	0.4	0.98	0	0.01	0.12	0.01	0.01	0.01	1.25	0	1	0	0.92	0	0	219.11	18.599	1.658	7.344238212
C_MAS042517	157.39	4/13/2017 12:11	1.66	0.01	0.27	0	0	0	0	0	0	1	0	1	0	1	0	291.588	256.244	4.15	0.614	1776.997682
C_MAS100	971.75	4/13/2017 12:05	9.94	0.02	0.16	0	0	0	0	0	0	1	0	0.57	0.43	0.02	0	78.696	262.58	28.264	3.701	53.67965593
C_MAS101_1	560.27	4/13/2017 12:04	5.1	0.01	0.19	0	0	0	0	0	0	1	0	1	0	0.98	0	60.034	163.21	14.185	3.433	49.68648434
C_MAS101_2	163.14	4/13/2017 12:04	3.94	0.08	0.7	0	0	0	0	0	0	1.06	0	1	0	0	1	0	166.62	14.97	0.979	13.31735521
C_MAS102	809.35	4/13/2017 12:02	5.71	0.15	0.41	0	0	0	0	0	0	1	0	1	0	0.12	0	84.289	174.98	19.682	4.625	59.05699312
C_MAS103	298.71	4/13/2017 12:00	5.14	0.02	0.23	0	0	0	0	0	0	1	0	1	0	1	0	68.467	75.29	6.225	3.967	53.39045712
C_MAS105	67.18	4/13/2017 12:00	1.2	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	106.575	17.43	1.279	3.854	161.3321514
C_MAS106	96.85	4/13/2017 11:55	5.34	0	0.04	0	0	0	0	0	0	1	0	0.01	0.99	0.01	0	48.474	17.91	3.02	5.408	75.701422
C_MAS107	28.59	4/13/2017 12:29	2.49	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	34.824	29.58	2.195	0.967	110.0893608
C_MAS108_3	54.43	4/13/2017 12:00	11.09	0.61	0.66	0	0	0	0	0	0	1	0	0	1	0	0	0	19.6	1.215	2.777	16.68048609
C_MAS108_4	98.26	4/13/2017 12:00	4.81	0.01	0.17	0	0	0	0	0	0	1	0	0.97	0.03	1	0	32.264	19.6	1.215	5.013	124.6027062
C_MAS109	51.26	4/13/2017 12:00	9.94	0.83	0.71	0	0.01	1.71	0.01	0.01	0.01	1	0	0.08	0.92	0	0.74	0	117.17	9.563	0.437	13.86412432
C_MAS11	194.7	4/13/2017 12:09	12.67	0.6	0.6	0	0.01	0.01	0.01	0.8	0.01	1	0	0	1	0	0	0	263.68	23.114	0.738	41.42377148
C_MAS110	458.8	4/13/2017 12:01	4.82	0.05	0.34	0	0	0	0	0	0	1	0	0.99	0.01	1	0	167.764	121.03	9.858	3.791	50.17012211
C_MAS111	457.97	4/13/2017 12:01	7.96	0	0.07	0	0	0	0	0	0	1	0	0.73	0.27	0	0	53.822	121.03	9.858	3.784	35.9743266
C_MAS112	78.67	4/13/2017 12:00	12.8	0.21	0.35	0	0	0	0	0	0	1	0	0	1	0	0	0	18.97	1.818	4.147	18.58268059
C_MAS113	28.8	4/13/2017 12:28	3.45	0.21	0.44	0	0	0	0	0	0	1	0	0.16	0.84	0	0	0	29.58	2.195	0.974	12.28236808
C_MAS114	121.08	4/13/2017 12:19	0.5	0	0.5	0	0	0	0	0	0	1	0	1	0	0.87	0	321.432	27.07	1.87	4.473	45.13567757
C_MAS115	61.38	4/13/2017 12:03	8.9	0.23	0.47	0	0	0	0	0	0	1	0	0.12	0.88	0.07	0	0	23.9	1.737	2.568	15.60017093
C_MAS116	69.33	4/13/2017 12:10	5.18	0	0.06	0	0	0	0	0	0	1	0	0.2	0.8	0.01	0	43.353	28.26	1.431	2.453	55.99872394
C_MAS118	134.4	4/13/2017 12:01	4.2	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	39.547	26.52	5.878	5.068	54.99112408
C_MAS12	1088.12	4/13/2017 12:05	4.08	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	184.926	299.27	34.269	3.636	73.19257764
C_MAS121	138.65	4/13/2017 12:00	2.34	0.01	0.56	0	0.01	0.01	0.28	0.01	0.01	1.03	0	1	0	1	0	110.725	61.59	4.767	2.251	147.5208785
C_MAS124	28.27	4/13/2017 12:00	8.52	0.32	0.4	0	0	0	0	0	0	1	0	0.96	0.04	0	0	0	46.78	2.133	0.604	12.85634979
C_MAS125	436.21	4/13/2017 12:06	9.14	0	0.11	0	0	0	0	0	0	1	0	0.85	0.15	0.99	0	36.102	451.66	30.671	0.966	30.68142556
C_MAS13	1076.51	4/13/2017 12:05	5.16	0	0.04	0	0	0	0	0	0	1	0	1	0	0	0	195.864	294.59	33.778	3.654	33.75027361
C_MAS136	61.69	4/13/2017 12:00	7.05	0.02	0.21	0	0	0	0	0	0	1	0	0	1	0	0	21.985	15.36	1.209	4.016	59.96885584
C_MAS14	1055.69	4/13/2017 12:04	5.06	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	186.426	286.63	32.198	3.683	98.3647377
C_MAS140	69.56	4/13/2017 12:09	12.57	0.48	0.63	0	0.01	0.5	0.01	0.01	0.01	1	0	0	1	0	0	0	28.26	1.431	2.461	15.78693309
C_MAS142	174.74	4/13/2017 12:07	5.63	0	0.15	0	0	0	0	0	0	1	0	0.03	0.97	0.06	0	41.984	70.57	6.55	2.476	205.6754237
C_MAS143	27.83	4/13/2017 12:00	0.81	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	86.198	6.24	0.645	4.46	131.5182141
C_MAS144	50.74	4/13/2017 12:00	6.22	0.03	0.14	0	0	0	0	0	0	1	0	0.92	0.08	0.99	0	0	10.33	1.147	4.912	33.01068998
C_MAS145	62.59	4/13/2017 12:00	2.99	0	0.12	0	0	0	0	0	0	1	0	0.08	0.92	0.62	0	52.294	15.36	1.209	4.075	161.8987431
C_MAS146	85.1	4/13/2017 12:00	3.81	0	0.03	0	0	0	0	0	0	1	0	0.99	0.01	1	0	54.325	22.38	2.873	3.803	102.3105169
C_MAS147	119.03	4/13/2017 12:01	1.74	0.02	0.35	0	0	0	0	0	0	1	0	1	0	1	0	58.542	80.23	8.576	1.484	100.2446787
C_MAS148	107.95	4/13/2017 12:00	0.88	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	268.073	28.04	3.579	3.85	100.5431636
C_MAS15	351.71	4/13/2017 12:02	1.92	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	137.014	246.1	21.98	1.429	214.2560985
C_MAS151	60.92	4/13/2017 12:01	1.89	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	116.183	15.36	1.209	3.966	75.28839487
C_MAS152	108.92	4/13/2017 12:00	6.22	0.12	0.46	0	0	0	0	0	0	1	0	0	1	0.01	0	47.976	28.04	3.579	3.884	60.6963627
C_MAS155	45.85	4/13/2017 12:00	4.49	0.01	0.12	0	0	0	0	0	0	1	0	0.96	0.04	1	0	33.524	10.67	0.866	4.297	50.51715539
C_MAS156	61.67	4/13/2017 12:00	2.88	0.02	0.24	0	0	0	0	0	0	1	0	0.54	0.46	0.55	0	85.343	13.86	1.142	4.449	96.24052282
C_MAS157	322.02	4/13/2017 12:19	0.92	0	0.32	0	0	0	0	0	0	1	0	1	0	0.35	0	194.923	35.09	4.454	9.177	72.93025148
C_MAS158	78.1	4/13/2017 11:55	0.9	0	0.21	0	0	0	0	0	0	1	0	1	0	1	0	90.306	14	1.461	5.579	56.34030674
C_MAS159	41.94	4/13/2017 12:00	9.91	0.5	0.58	0	0.01	0.56	0.01	0.01	0.01	1	0	0	1	0	0	0	14	1.461	2.996	18.59893778
C_MAS16	256.16	4/13/2017 12:12	11.56	0.75	0.82	0	0.01	0.59	0.01	0.85	0.01	1	0	0	0	0	0	0	212.48	20.186	1.206	61.80334538
C_MAS160	73.77	4/13/2017 12:00	3.66	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	55.515	14	1.461	5.269	171.3144127
C_MAS161	78.13	4/13/2017 12:07	2.89	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	61.373	29.04	4.497	2.69	141.4845356
C_MAS162_1	44.45	4/13/2017 11:59	3.92	0	0.05	0	0	0	0	0	0	1	0	0	1	1	0	36.526	13.51	3.348	3.29	45.49247719
C_MAS162_2	69.67	4/13/2017 12:00	0.66	0	0.24	0	0	0	0	0	0	1	0	1	0	1	0	117.214	19.07	3.526	3.653	119.7694308

Conduits SWMM 10-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C_MAS163	47.11	4/13/2017 12:07	11.12	0.41	0.58	0	0.01	1.17	0.01	0.01	0.01	1	0	0	1	0	0	0	29.04	4.497	1.622	15.23192228
C_MAS164	92.1	4/13/2017 11:55	5.16	0	0.02	0	0	0	0	0	0	1	0	0.96	0.04	1	0	42.048	15.74	3.714	5.851	127.5449913
C_MAS165	150.49	4/13/2017 11:55	3.8	0	0.15	0	0	0	0	0	0	1	0	0.03	0.97	0.08	0	86.714	26.52	5.878	5.675	200.8874347
C_MAS166	74.66	4/13/2017 11:55	5.27	0	0.02	0	0	0	0	0	0	1	0	0.05	0.95	1	0	47.893	14.24	1.731	5.243	99.02068936
C_MAS167	73.52	4/13/2017 11:56	4.37	0	0.04	0	0	0	0	0	0	1	0	0.02	0.98	0.03	0	50.475	14.24	1.731	5.163	91.52905127
C_MAS168	114	4/13/2017 12:00	0.84	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	127.134	33.8	0.667	3.373	62.98177373
C_MAS169	180.35	4/13/2017 12:01	1.23	0	0.33	0	0	0	0	0	0	1.84	0	1	0	1	0	112.74	97.57	10.384	1.848	256.5140136
C_MAS17	926.69	4/13/2017 12:05	5.96	0	0.1	0	0	0	0	0	0	1	0	1	0	0.98	0	89.675	245.55	26.232	3.774	77.578507
C_MAS170	93.66	4/13/2017 12:00	5.86	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	32.581	49.76	4.039	1.882	114.2284415
C_MAS171	139.03	4/13/2017 12:00	6.33	0	0.03	0	0	0	0	0	0	1	0	0.87	0.13	0.99	0	51.288	61.59	4.767	2.257	140.4657336
C_MAS174	369.5	4/13/2017 12:08	9.1	0	0.09	0	0	0	0	0	0	1	0	0.88	0.12	0.82	0	39.079	280.94	24.018	1.315	85.81932913
C_MAS175	373.59	4/13/2017 12:10	1.83	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	166.698	287.83	24.269	1.298	266.2516222
C_MAS18	551.66	4/13/2017 12:03	7.82	0	0.07	0	0	0	0	0	0	1	0	0	1	0	0	41.098	159.9	13.783	3.45	57.10633968
C_MAS19	533.42	4/13/2017 12:03	7.06	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	46.346	151.8	11.61	3.514	46.29669037
C_MAS2	500.67	4/13/2017 12:06	3.55	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	114.034	481.42	32.26	1.04	77.50610474
C_MAS20	513.82	4/13/2017 12:03	7.91	0	0.06	0	0	0	0	0	0	1	0	0	1	0.04	0	70.108	143.58	11.415	3.579	64.65104058
C_MAS21	304.63	4/13/2017 12:02	4.83	0.01	0.12	0	0	0	0	0	0	1	0	1	0	0.09	0	59.624	137.84	16.696	2.21	154.0571608
C_MAS22	793.3	4/13/2017 12:02	7.46	0	0.1	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	66.166	169.92	19.398	4.669	139.876999
C_MAS23	587.83	4/13/2017 12:01	9.49	0.01	0.15	0	0	0	0	0	0	1	0	0.02	0.98	0.01	0	48.97	124.81	10.642	4.71	60.49465891
C_MAS24	471.58	4/13/2017 12:02	4.35	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	103.378	126.23	9.905	3.736	119.5828772
C_MAS25	35.75	4/13/2017 12:01	8.66	0.58	0.57	0	0	0	0	0	0	1	0	0	1	0	0	0	97.57	10.384	0.366	26.92170775
C_MAS26	264.01	4/13/2017 12:02	1.9	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	159.231	78.48	3.522	3.364	210.5014474
C_MAS27	215.2	4/13/2017 12:00	2.13	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	156.092	114.1	13.921	1.886	175.7077301
C_MAS28_1	95.31	4/13/2017 12:06	3.17	0	0.02	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	109.327	60.86	5.884	1.566	105.0558864
C_MAS28_2	60.62	4/13/2017 12:20	8.92	0.79	0.92	0	0	0	0	0	0	1	0	1	0	0.97	0	0	60.86	5.884	0.996	32.04684287
C_MAS29	425.73	4/13/2017 12:00	3.23	0	0.09	0	0	0	0	0	0	1	0	1	0	0.22	0	141.343	82.04	6.94	5.189	126.9878542
C_MAS3	481.13	4/13/2017 12:06	5.01	0	0.06	0	0	0	0	0	0	1	0	1	0	0	0	84.945	471.43	32.105	1.021	101.8931368
C_MAS30	164.97	4/13/2017 12:07	3.79	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	78.609	101.08	11.965	1.632	24.90548457
C_MAS31	115.64	4/13/2017 12:00	3.75	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	48.252	72.04	7.467	1.605	49.88738827
C_MAS32	421.21	4/13/2017 12:00	1.57	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	151.117	108.44	8.975	3.884	111.1857436
C_MAS33	47.3	4/13/2017 12:00	3.92	0	0.11	0	0	0	0	0	0	1	0	0.89	0.11	0.85	0	32.127	11.12	0.034	4.254	88.29540461
C_MAS34	215.58	4/13/2017 12:01	4.82	0	0.05	0	0	0	0	0	0	1	0	0.94	0.06	0.83	0	80.903	62.6	3.475	3.444	147.3623826
C_MAS35	333.53	4/13/2017 12:00	7.15	0	0.07	0	0	0	0	0	0	1	0	0.95	0.05	0.97	0	56.954	64.43	4.211	5.177	133.4389115
C_MAS36	63.86	4/13/2017 12:05	11.8	1.26	0.96	0	0.01	1.58	0.01	1.74	0.01	1	0	0	1	0.8	0	0	59.69	5.597	1.07	12.74008424
C_MAS37	252.29	4/13/2017 12:00	3.65	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	99.709	63.16	5.486	3.994	98.06638244
C_MAS38	64.44	4/13/2017 12:01	3.41	0	0.07	0	0	0	0	0	0	1	0	0.02	0.98	0.02	0	101.055	61.33	6.808	1.051	171.4645461
C_MAS39	179.44	4/13/2017 12:01	8.87	0	0.08	0	0	0	0	0	0	1	0	0	1	0	0	32.957	53.4	3.245	3.36	106.3760079
C_MAS4	208.97	4/13/2017 12:14	5.17	0	0.11	0	0	0	0	0	0	1	0	1	0	0.03	0	43.683	363.16	27.125	0.575	102.654184
C_MAS40	158.88	4/13/2017 12:00	3.01	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	79.33	38.49	3.539	4.128	120.0630684
C_MAS41	199.69	4/13/2017 11:57	1.2	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	158.327	54.61	4.482	3.657	105.9201318
C_MAS42	207.43	4/13/2017 12:00	6.59	0	0.03	0	0	0	0	0	0	1	0	0.03	0.97	0	0	41.176	51.77	5.179	4.007	143.1797577
C_MAS43	159.31	4/13/2017 12:00	2.22	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	142.557	46.78	2.133	3.406	76.68330518
C_MAS44	142.73	4/13/2017 12:00	4.89	0	0.04	0	0	0	0	0	0	1	0	0.02	0.98	1	0	51.843	34.2	2.81	4.173	59.5039045
C_MAS45	110.87	4/13/2017 12:01	2.32	0.01	0.37	0	0	0	0	0	0	1	0	1	0	1	0	139.948	32.35	0.897	3.427	319.3080002
C_MAS46	85.44	4/13/2017 12:00	3.41	0.13	0.43	0	0	0	0	0	0	1	0	0.05	0.95	0.04	0	74.735	22.38	2.873	3.818	42.72056374
C_MAS47	162.64	4/13/2017 11:58	3.08	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	75.657	31.66	2.788	5.137	163.1655523
C_MAS48	86.13	4/13/2017 12:01	4.41	0	0.11	0	0	0	0	0	0	1	0	0.01	0.99	0.02	0	53.271	22.67	1.802	3.799	79.07059184
C_MAS49	183.78	4/13/2017 11:58	2.44	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	98	38.99	3.296	4.714	255.8423313
C_MAS5	1188.11	4/13/2017 12:09	3.14	0	0.05	0	0	0	0	0	0	1	0	1	0	0.01	0	252.061	351.02	38.361	3.385	136.7470435
C_MAS50	106.11	4/13/2017 12:00	4.67	0.02	0.25	0	0	0	0	0	0	1	0	0.99	0.01	0.86	0	29.558	22.36	3.45	4.746	71.26064963
C_MAS51	72.92	4/13/2017 12:00	3.27	0	0.01	0	0	0	0	0	0	1	0	0.97	0.03	0.99	0	87.941	18.71	2.698	3.897	103.1104444
C_MAS52	76.4	4/13/2017 12:00	2.59	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	66.241	17.88	0.594	4.273	81.18305732
C_MAS53	164.87	4/13/2017 11:56	4.38	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	88.101	31.66	2.788	5.208	76.39122859
C_MAS54	13.07	4/13/2017 12:00	9.72	0.6	0.8	0	0.01	2.11	0.01	0.01	0.01	1	0	0.44	0.56	0	1	0	22.67	1.802	0.577	20.35471619
C_MAS56	82.4	4/13/2017 12:00	1.46	0.02	0.36	0	0	0	0	0	0	1	0	1	0	1	0	85.049	22.33	0.049	3.69	93.20040738
C_MAS57	91.32	4/13/2017 12:00	5.29	0	0.05	0	0	0	0	0	0	1	0	0.97	0.03	1	0	40.046	22.96	3.226	3.977	91.69725169
C_MAS58	157.5	4/13/2017 12:00	5	0	0.07	0	0	0	0	0	0	1	0	0.9	0.1	0.03	0	66.919	42.11	1.464	3.74	149.5652965
C_MAS6	202.71	4/13/2017 12:53	4.11	0.01	0.18	0	0	0	0	0	0	1	0	1	0	1	0	50.9	349.84	26.88	0.579	195.0624283
C_MAS60	100.25	4/13/2017 12:00	7.38	0	0.02	0	0	0	0	0	0	1	0	0.95	0.05	0.96	0	24.423	23.46	2.514	4.273	105.5117433
C_MAS61_1	168.02	4/13/2017 11:58	0.78	0	0.16	0	0	0	0	0	0	1	0	1	0	0.99	0	164.48	26.51	3.59	6.338	67.78091019
C_MAS61_2	72.48	4/13/2017 12:01	11.18	0.94	1	0	0.43	0.64	3.96	0.01	0.29	1	0	0.54	0.46	0.94	0	0	32.49	4.147	2.231	32.36845735
C_MAS62	55.81	4/13/2017 11:55	1.33	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	79.273	9.78	1.979	5.707	145.9335497
C_MAS63	71.01	4/13/2017 12:00	2.77	0	0.07	0	0	0	0	0	0	1	0	0.59	0.41	0.99	0	109.479	17.35	1.509	4.093	114.4986979
C_MAS64	73.83	4/13/2017 12:00	0.96	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	105.708	19.96	1.713	3.699	82.33052068
C_MAS66	43.91	4/13/2017 11:55	1.03	0	0.22	0	0	0	0	0	0	1	0	1	0	1	0	70.145	8.33	1.033	5.271	176.9478634
C_MAS67	112.86	4/13/2017 11:57	0.59	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	108.967	24.59	0.4	4.59	77.2983493
C_MAS68_1	65.98	4/13/2017 11:55	3.74	0	0.02	0	0	0	0	0	0	1	0	1	0	0.93	0	27.123	12.98	1.777	5.083	25.37677913
C_MAS68_2	81.37	4/13/2017 12:00	3.82	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	32.544	16.18	2.052	5.029	102.1964261
C_MAS69_1	86.08	4/13/2017 11:56	2.8	0.02	0.32	0	0	0	0	0	0	1	0	1	0	1	0	42.612	17.65	2.83	4.877	100.2685568
C_MAS69_2	83.17	4/13/2017 12:00	11.37	0.41	0.52	0	0	0	0	0	0	1	0	0	1	0	0	0	17.65	2.83	4.712	18.27569272

Conduits SWMM 10-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C_MAS7	202.24	4/13/2017 12:54	13.47	0.69	0.73	0	0.01	1.55	0.01	2.08	0.01	1	0	0	1	0	0	0	343.83	26.264	0.588	22.05625486
C_MAS70	81.27	4/13/2017 12:00	1.09	0.01	0.28	0	0	0	0	0	0	1	0	1	0	1	0	78.393	18.97	1.818	4.284	26.18314109
C_MAS71	50.78	4/13/2017 11:55	3.54	0	0.12	0	0	0	0	0	0	1	0	0.27	0.73	0.54	0	38.212	11.51	1.042	4.412	166.49377
C_MAS73	105.13	4/13/2017 12:00	4.93	0.01	0.09	0	0	0	0	0	0	1	0	0	1	0	0	48.786	26.14	1.05	4.022	99.31026742
C_MAS74	109.88	4/13/2017 11:55	4.26	0	0.02	0	0	0	0	0	0	1	0	0.99	0.01	1	0	44.331	20.64	2.269	5.324	164.4272771
C_MAS75	99.28	4/13/2017 11:55	3.98	0	0.03	0	0	0	0	0	0	1	0	0.99	0.01	1	0	49.652	20.92	0.34	4.746	37.62653763
C_MAS76	128.61	4/13/2017 11:56	2.96	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	72.935	23.09	1.229	5.57	240.8500144
C_MAS77	208.68	4/13/2017 12:00	5.84	0.03	0.24	0	0	0	0	0	0	1	0	0	1	0.03	0	61.636	51.77	5.179	4.031	44.29598377
C_MAS78	34.54	4/13/2017 11:59	8.98	0.62	0.58	0	0.01	0.24	0.01	0.01	0.01	1	0	0	1	0	0	0	11.76	2.888	2.937	27.74191548
C_MAS79	46.2	4/13/2017 12:00	5.46	0	0.06	0	0	0	0	0	0	1	0	0.02	0.98	0.03	0	27.114	10.67	0.866	4.33	47.21711629
C_MAS8	1152.85	4/13/2017 12:06	7.17	0	0.07	0	0	0	0	0	0	1	0	1	0	0.99	0	91.181	328.2	37.485	3.513	76.40556648
C_MAS80	56.4	4/13/2017 11:55	3.62	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	37.212	13.51	1.295	4.175	97.28608491
C_MAS81	48.91	4/13/2017 11:55	5.3	0	0.03	0	0	0	0	0	0	1	0	0.03	0.97	0.92	0	30.786	10.2	0.131	4.795	50.99364714
C_MAS83	40.2	4/13/2017 12:00	0.81	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	160.574	9.26	1.126	4.341	136.1405258
C_MAS84	44.75	4/13/2017 11:55	3.53	0	0.02	0	0	0	0	0	0	1	0	0.84	0.16	1	0	32.874	8.11	1.078	5.518	69.55755202
C_MAS85	70.09	4/13/2017 11:55	2.79	0	0.02	0	0	0	0	0	0	1	0	0.94	0.06	1	0	55.842	14.62	2.281	4.794	93.67955491
C_MAS86	56.28	4/13/2017 11:55	0.52	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	138.172	10.27	2.434	5.48	58.66021066
C_MAS87	37.72	4/13/2017 12:00	2.56	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	47.289	10.31	1.137	3.659	135.2008989
C_MAS88	94.88	4/13/2017 11:55	3.18	0	0.03	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	57.403	15.81	1.102	6.001	101.3504289
C_MAS89	151.79	4/13/2017 12:00	3.87	0.02	0.18	0	0	0	0	0	0	1	0	1	0	1	0	65.733	38.47	4.111	3.946	53.1919305
C_MAS9	1127.12	4/13/2017 12:05	4.76	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	165.401	315.21	35.445	3.576	106.3752608
C_MAS90	72.43	4/13/2017 11:59	4.98	0	0.02	0	0	0	0	0	0	1	0	0.18	0.82	0.99	0	30.9	14.67	0.767	4.937	260.5380836
C_MAS92	39.86	4/13/2017 11:55	2.61	0	0.02	0	0	0	0	0	0	1	0	0.98	0.02	0.99	0	74.764	7.08	1.815	5.63	44.84152175
C_MAS93	58.92	4/13/2017 12:00	3.21	0	0.07	0	0	0	0	0	0	1	0	0.1	0.9	0.21	0	44.597	14.5	0.811	4.063	154.8969064
C_MAS94	63.67	4/13/2017 12:00	3.38	0.01	0.13	0	0	0	0	0	0	1	0	0.06	0.94	0.05	0	60.451	16.41	1.442	3.88	20.77832765
C_MAS96	35.55	4/13/2017 11:55	2.55	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	51.321	7.95	0.98	4.472	68.77161837
C_MAS97	64.02	4/13/2017 12:00	1.13	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	168.878	14.99	0.879	4.271	131.3779806
C_MAS98	1182.07	4/13/2017 12:07	4.67	0.01	0.12	0	0	0	0	0	0	1	0	1	0	0.07	0	221.917	336.64	37.906	3.511	251.0841673
C_MAS99	347.3	4/13/2017 12:09	4.41	0.01	0.13	0	0	0	0	0	0	1	0	1	0	1	0	61.275	266.58	23.157	1.303	31.25805122
C1	28790.47	4/13/2017 15:34	6.8	0.56	0.84	0	0	0	0	0	0	1	0	1	0	0	0	676.785	3582.93	274.53	8.035	35.65413971
C100	1059.22	4/13/2017 12:14	15.44	0.67	0.83	0	0.01	0.7	0.01	1.19	0.01	1	0	0.04	0.96	0.05	0	0	557.95	64.942	1.898	25.96101939
C1002	66.52	4/13/2017 11:55	8.12	0	0.03	0	0	0	0	0	0	1	0	0.83	0.17	0.96	0	16.969	12.05	1.231	5.52	167.0154268
C1005	24.32	4/13/2017 12:00	0.7	0	0.03	0	0	0	0	0	0	1	0	0.67	0.33	0.96	0	131.953	6.01	0	4.047	83.20940672
C1006	54.42	4/13/2017 12:00	1.09	0	0.2	0	0	0	0	0	0	1	0	1	0	1	0	64.283	10.73	0.848	5.072	114.2036935
C1008	50.84	4/13/2017 12:00	1.03	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	197.295	13.81	0	3.681	101.1996715
C101	248.33	4/13/2017 12:34	2.77	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	140.78	400.64	16.31	0.62	84.12244562
C1013	16.13	4/13/2017 12:01	0.07	0	0.51	0	0.01	0.01	3.82	0.01	0.01	1	0	1	0	1	0	250.101	7.33	0.247	2.201	100.721408
C1018	27.67	4/13/2017 12:00	1.91	0	0.12	0	0	0	0	0	0	1	0	1	0	0.04	0	53.543	7.6	1.175	3.641	26.97037232
C1019	37.61	4/13/2017 12:00	1.51	0	0.03	0	0	0	0	0	0	1	0	0.23	0.77	0.31	0	100.68	9.48	0.87	3.967	270.6778555
C102	167.77	4/13/2017 12:03	4.17	0.09	0.41	0	0	0	0	0	0	1	0.1	0	0	0	0	59.104	177.14	7.223	0.947	14.50396621
C102_1	187.03	4/13/2017 12:03	2.35	0.03	0.31	0	0	0	0	0	0	1	0	1	0	1	0	54.371	177.14	7.223	1.056	158.9320858
C102_3	20.04	4/13/2017 12:03	4.54	0.62	0.6	0	0	0	0	0	0	1	0	1	0	0	0	0	177.14	7.223	0.113	10.07967313
C102_4	187.67	4/13/2017 12:04	4.63	0.02	0.21	0	0	0	0	0	0	1	0	1	0	1	0	45.554	177.14	7.223	1.059	92.41661199
C1022	52.03	4/13/2017 11:55	6.76	0	0.03	0	0	0	0	0	0	1	0	0.02	0.98	1	0	34.957	9.63	0.915	5.403	56.1684722
C1024	36.69	4/13/2017 12:00	0.76	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	220.07	8.91	0.468	4.118	109.9638358
C1025	12.16	4/13/2017 12:02	0.5	0	0.07	0	0	0	0	0	0	1	0	1	0	0.99	0	109.264	6.55	0.054	1.856	113.1207088
C1026	37.84	4/13/2017 12:00	0.71	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	94.565	8.77	0.128	4.315	187.8598095
C1029	86.57	4/13/2017 11:55	4.52	0	0.03	0	0	0	0	0	0	1	0	0.04	0.96	1	0	48.146	15.96	2.793	5.424	65.61683333
C103	363.9	4/13/2017 12:13	3.41	0.02	0.27	0	0	0	0	0	0	1	0	1	0	1	0	50.813	1470.98	32.095	0.247	178.5957232
C1030	32.25	4/13/2017 12:00	4.07	0	0.08	0	0	0	0	0	0	1	0	0.99	0.01	0.13	0	18.302	7.48	0.476	4.311	62.56276668
C1032	12.54	4/13/2017 11:55	1.05	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	54.791	3.13	0.756	4.006	22.78491269
C1037	90.95	4/13/2017 11:55	3.15	0	0.03	0	0	0	0	0	0	1	0	0.98	0.02	1	0	94.59	17.68	1.958	5.144	139.5464772
C1038	29.45	4/13/2017 12:00	1.26	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	120.612	6.3	0.098	4.675	156.9139468
C104	173.74	4/13/2017 12:12	1.62	0	0.02	0	0	0	0	0	0	1	0	1	0	0.98	0	397.914	81.12	2.737	2.142	261.6141289
C104_1	9929.78	4/13/2017 15:46	8.76	2.12	0.61	0	0.01	0.01	0.01	3.01	0.01	1	0	1	0	0	0	187.767	249.46	14.215	39.805	189.991246
C104_2	9946.96	4/13/2017 15:47	11.65	0.1	0.53	0	0	0	0	0	0	1	0	1	0	0.55	0	141.525	520.27	38.604	19.119	63.51776781
C1042	34.51	4/13/2017 12:00	2.15	0	0.02	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	70.782	7.23	0.606	4.773	136.3987378
C1044	62.73	4/13/2017 11:55	4.34	0	0.05	0	0	0	0	0	0	1	0	0	1	0.03	0	43.679	13.76	1.45	4.559	98.31669329
C1045	57.01	4/13/2017 12:00	4.85	0.03	0.22	0	0	0	0	0	0	1	0	0.04	0.96	0.03	0	32.13	14.65	0.844	3.891	126.5614761
C1047	321.95	4/13/2017 13:45	0.22	0	0.42	0	0	0	0	0	0	1	0	1	0	0.83	0	1510.731	6.26	0	51.43	105.6558867
C1048	31.25	4/13/2017 12:00	0.28	0	0.22	0	0	0	0	0	0	1	0	1	0	1	0	107.272	6.42	0.138	4.868	147.0528042
C104MAS	36.11	4/13/2017 12:04	5.26	0.12	0.32	0	0	0	0	0	0	1	0	0.87	0.13	0.85	0	0	30.78	1.792	1.173	16.20994649
C105	362.63	4/13/2017 12:11	2.52	0.01	0.21	0	0	0	0	0	0	1	0	1	0	0.99	0	108.858	1468.58	32.095	0.247	71.95812332
C1050_1	53.34	4/13/2017 12:00	1.62	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	64.331	11.64	1.097	4.582	127.5331789
C1050_2	32.89	4/13/2017 12:07	0.89	0	0.19	0	0	0	0	0	0	1	0	1	0	1	0	151.767	11.64	1.097	2.826	115.5785272
C1050_3	33	4/13/2017 12:05	8.14	0.19	0.36	0	0	0	0	0	0	1	0	0	1	0	0	0	11.64	1.097	2.835	21.13051429
C1050_4	15.03	4/13/2017 12:36	7.05	0.36	0.46	0	0	0	0	0	0	1	0	0	1	0	0	0	11.64	1.097	1.291	18.75848333
C1050_6	15.02	4/13/2017 12:37	1.42	0	0.05	0	0	0	0	0	0	1	0	0.17	0.83	0.09	0	64.494	11.64	1.097	1.29	140.5551877
C1052	17.96	4/13/2017 12:02	0.77	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	132.801	7.06	0.861	2.544	182.032511
C1053	54.88	4/13/2017 12:00	1.26	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	100.669	10.73	0.848	5.115	32.29938322

Conduits SWMM 10-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft³)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C1056	17.17	4/13/2017 12:00	1.07	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	82.422	7.33	0.247	2.342	34.03687906
C1058	39.3	4/13/2017 12:00	3.84	0	0.04	0	0	0	0	0	0	1	0	0.05	0.95	0.07	0	25.579	8.11	0.85	4.846	62.15875579
C1058MAS	68.15	4/13/2017 12:00	5.3	0	0.05	0	0	0	0	0	0	1	0	0	1	0.01	0	31.133	13.83	3.044	4.928	62.15875579
C1059	73.57	4/13/2017 12:00	3.38	0.02	0.53	0	0.01	0.01	3.73	0.01	0.01	1	0	1	0	1	0	31.396	24.1	1.565	3.053	35.53786437
C106	160.85	4/13/2017 12:30	2.26	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	121.374	160.06	5.898	1.005	36.28243121
C1060	54.65	4/13/2017 11:55	2.49	0	0.06	0	0	0	0	0	0	1	0	0.06	0.94	0	0	82.937	11.13	1.755	4.91	46.36631247
C1064	70.4	4/13/2017 12:00	0.87	0.01	0.15	0	0	0	0	0	0	1	0	1	0	1	0	189.836	18.28	1.363	3.851	89.14545344
C107	259.76	4/13/2017 12:18	1.25	0	0.22	0	0	0	0	0	0	1	0	1	0	0.93	0	334.714	388.08	14.38	0.669	140.2705732
C1071	52.23	4/13/2017 12:00	1.54	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	110.278	13.02	0.028	4.012	104.8904713
C1074	44.61	4/13/2017 11:55	1.48	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	93.085	8.01	0.953	5.569	17.89312618
C1077	29.05	4/13/2017 12:00	2.52	0	0.07	0	0	0	0	0	0	1	0	0.01	0.99	0.01	0	41.403	7.59	0.806	3.827	210.1136038
C1078	14.74	4/13/2017 12:00	1.07	0	0.03	0	0	0	0	0	0	1	0	1	0	0.36	0	113.379	4.91	0.289	3.002	89.59608087
C108	17.84	4/13/2017 12:14	7.99	0.81	0.71	0	0.01	0.08	0.01	0.01	0.01	1	0	0	1	0	0	0	44.12	4.437	0.404	22.49134274
C108_1	101.27	4/13/2017 12:06	7.9	0	0.07	0	0	0	0	0	0	1	0.9	0	0	0	0	60.052	44.12	4.437	2.295	23.63096731
C108_3	112.87	4/13/2017 12:09	0.64	0.01	0.52	0	0	0	0	0	0	1	0	1	0	1	0	347.654	44.12	4.437	2.558	209.8203606
C108_4	606.04	4/13/2017 12:42	5.39	0.28	0.78	0	0.01	0.01	0.78	1.32	0.01	1	0	1	0	0	0	0	1990.45	52.764	0.304	22.63773466
C1082	30.33	4/13/2017 12:00	7.07	0.01	0.15	0	0	0	0	0	0	1	0	0	1	0	0	53.636	9.3	0.517	3.261	164.7464878
C1083	45.39	4/13/2017 12:00	0.95	0	0.29	0	0	0	0	0	0	1	0	1	0	1	0	77.552	16.58	2.221	2.738	140.865769
C1084	0.5	4/13/2017 0:00	0.32	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	41.469	0	0	0	46.57938731
C1085	25.18	4/13/2017 12:00	1.8	0	0.03	0	0	0	0	0	0	1	0	1	0	0.99	0	61.711	7.22	0	3.488	105.841761
C1086	41.43	4/13/2017 12:00	1.28	0	0.08	0	0	0	0	0	0	1	0	1	0	0.97	0	217.824	9.61	0.626	4.311	50.32066099
C109_1	19866.33	4/13/2017 14:43	7.29	0.03	0.31	0	0	0	0	0	0	1	0	1	0	0.84	0	334.918	456.3	23.87	43.538	262.7382319
C109_2	19864.08	4/13/2017 14:43	8.29	0.01	0.29	0	0	0	0	0	0	1	0	1	0	0	0	317.213	552.76	30.156	35.936	43.22506291
C1090_2MAS	54.77	4/13/2017 11:56	1.77	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	85.111	9.01	1.501	6.079	38.78147154
C1090_3MAS	28.06	4/13/2017 11:55	9.34	0.65	0.59	0	0.01	0.42	0.01	0.01	0.01	1	0	0	1	0	0	0	9.01	1.501	3.114	15.59843263
C1090_4MAS	55.58	4/13/2017 11:55	3.49	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	47.823	9.01	1.501	6.169	70.95981692
C1094	87.74	4/13/2017 11:55	3.39	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	62.271	15.96	2.793	5.497	50.59601092
C1098	29.75	4/13/2017 12:00	2.91	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	31.77	7.59	0.806	3.92	16.48661161
C110	245.19	4/13/2017 12:34	8.9	0.89	0.69	0	0.01	0.29	0.01	1.91	0.01	1	0	0	1	0	0	0	396.18	15.51	0.619	22.55410422
C1103	35.97	4/13/2017 11:55	2.49	0	0.02	0	0	0	0	0	0	1	0	0.95	0.05	1	0	67.756	7.39	1.043	4.867	125.9376936
C1105	14.67	4/13/2017 12:00	2.21	0	0.03	0	0	0	0	0	0	1	0	0.08	0.92	0.22	0	18.341	3.79	0.497	3.871	28.9085687
C111	85.18	4/13/2017 12:01	0.81	0.01	0.31	0	0	0	0	0	0	1	0	1	0	1	0	135.392	23.14	1.461	3.681	171.2125289
C1111	9.23	4/13/2017 12:00	0.29	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	177.787	3.74	0.28	2.468	49.05455827
C1113	17.58	4/13/2017 12:00	1.21	0	0.08	0	0	0	0	0	0	1	0	1	0	0.53	0	79.608	7.99	0.939	2.2	152.4444202
C1115	31.86	4/13/2017 12:00	0.35	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	80.092	6.88	0.612	4.631	134.6973729
C1117	4206.6	4/13/2017 13:43	8.36	0.19	0.54	0	0	0	0	0	0	1	0	1	0	0.79	0	147.593	733.72	31.25	5.733	207.719163
C1118	4176.86	4/13/2017 13:38	6.21	0.27	0.58	0	0	0	0	0	0	1	0	1	0	0	0	196.643	618.01	24.663	6.759	128.7753256
C1119	4029.91	4/13/2017 13:32	5.18	0.16	0.5	0	0	0	0	0	0	1	0	1	0	0.26	0	219.528	50.3	1.709	80.117	248.9862777
C112	19870.87	4/13/2017 14:42	4.1	0.05	0.34	0	0	0	0	0	0	1	0	1	0	0	0	503.987	441.33	23.472	45.025	126.5717088
C1120	4026.64	4/13/2017 13:30	8.77	0.06	0.33	0	0	0	0	0	0	1	0	0.52	0.48	0.26	0	108.51	0	0	0	130.2074398
C1121	19843.12	4/13/2017 14:46	7.65	0.12	0.52	0	0	0	0	0	0	1	0	1	0	0.5	0	348.955	616.6	34.617	32.182	25.97577168
C1122	574.01	4/13/2017 12:29	8.35	0	0.11	0	0	0	0	0	0	1	0	0.85	0.15	0	0	41.149	1637.95	37.221	0.35	126.6783642
C1123	19854.15	4/13/2017 14:45	9.62	0.07	0.29	0	0	0	0	0	0	1	0	1	0	0.32	0	262.73	594.66	33.302	33.387	203.2019753
C1124	455.41	4/13/2017 12:19	2.14	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	155.371	1532.58	32.968	0.297	75.83501991
C1125	455.9	4/13/2017 12:18	2.95	0	0.08	0	0	0	0	0	0	1	0	1	0	0.11	0	128.702	1532.58	32.968	0.297	66.21050872
C1127	346.59	4/13/2017 12:11	3.38	0.01	0.14	0	0	0	0	0	0	1	0	1	0	1	0	106.221	1460.15	32.095	0.237	61.49793485
C1129	19883.8	4/13/2017 14:37	8.97	0.07	0.26	0	0	0	0	0	0	1	0	1	0	0.46	0	298.838	401.95	21.079	49.468	116.7756267
C113	281.98	4/13/2017 12:11	2.91	0	0.13	0	0	0	0	0	0	1	0	1	0	0.99	0	156.001	381.42	14.371	0.739	86.70767833
C1130	9958.62	4/13/2017 15:37	6.66	0.14	0.53	0	0	0	0	0	0	1	0	1	0	0.76	0	217.715	210.63	13.23	47.28	206.0945883
C1131	19866.42	4/13/2017 14:35	9.78	0.08	0.3	0	0	0	0	0	0	1	0	1	0	0.08	0	258.212	263.32	9.948	75.446	43.97229413
C1133	1342.02	4/13/2017 12:15	7.58	0	0.13	0	0	0	0	0	0	1	0	0.94	0.02	0.9	0	262.972	572.4	68.021	2.345	212.6397409
C1134	154.92	4/13/2017 13:46	3.05	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	65.802	1363.61	28.637	0.114	197.0981842
C1140	154.87	4/13/2017 13:32	3.28	0.01	0.13	0	0	0	0	0	0	1	0	0.65	0.35	0	0	155.978	1333.52	27.051	0.116	22.8517174
C1142	136.12	4/13/2017 12:00	1.81	0.01	0.12	0	0	0	0	0	0	1	0	1	0	0.93	0	111.506	144.21	3.966	0.944	97.30277015
C1146	462.36	4/13/2017 12:06	6.15	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	75.068	120.91	18.56	3.824	599.4957905
C1148	81.51	4/13/2017 12:17	1.56	0	0.11	0	0	0	0	0	0	1	0	1	0	0.15	0	171.201	40.39	2.452	2.018	228.382814
C115	339.61	4/13/2017 12:10	3.37	0	0.12	0	0	0	0	0	0	1	0	1	0	0	0	99.557	1456.34	32.095	0.233	159.0478956
C1150	96.41	4/13/2017 12:27	1.77	0.01	0.23	0	0	0	0	0	0	1	0	1	0	1	0	127.559	96.94	3.681	0.995	73.54189162
C1153	43.44	4/13/2017 12:12	2.72	0	0.1	0	0	0	0	0	0	1	0	0.03	0.97	0	0	60.621	22.56	0.587	1.926	119.436237
C1155	339.79	4/13/2017 12:00	3.71	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	66.791	106.73	9.461	3.184	67.581434
C1156	35.11	4/13/2017 12:00	1.16	0	0.04	0	0	0	0	0	0	1	0	1	0	0.98	0	123.93	112.07	6.922	0.313	95.35977866
C116	282.07	4/13/2017 12:10	7.43	1.12	0.72	0	0.01	0.01	0.01	1.8	0.01	1	0	0.92	0.08	0	0.57	0	381.42	14.371	0.74	18.14781851
C1162	225.77	4/13/2017 12:00	5.73	0	0.05	0	0	0	0	0	0	1	0	0.8	0.2	0.81	0	71.538	44.8	0.383	5.04	175.1175295
C1163	137.95	4/13/2017 11:58	4.11	0	0.02	0	0	0	0	0	0	1	0	0	1	0	0	97.247	41.06	4.202	3.36	63.57916388
C1169	212.51	4/13/2017 12:04	2.05	0	0.1	0	0	0	0	0	0	1	0	0.3	0.7	0.31	0	163.982	64.57	6.26	3.291	196.8789639
C117	57.18	4/13/2017 12:00	1.11	0.01	0.11	0	0	0	0	0	0	1	0	1	0	0	0	139.164	15.03	1.063	3.804	97.76453973
C1170	121.06	4/13/2017 12:00	2.78	0	0.13	0	0	0	0	0	0	1	0	0.7	0.3	0.34	0	108.547	29.92	3.863	4.046	24.97698846
C1171	131.73	4/13/2017 12:03	0.85	0	0.13	0	0	0	0	0	0	1	0	1	0	0	0	565.859	45.05	2.152	2.924	30.59934703
C1172	40.17	4/13/2017 12:03	0.77	0	0.25	0	0	0	0	0	0	1	0	1	0	1	0	134.628	25.72	0.368	1.562	96.98223412
C1174	267.51	4/13/2017 11:56	6.94	0	0.1	0	0	0	0	0	0	1	0	0	1	0	0	58.399	53.17	5.187	5.031	74.7063057

Conduits SWMM 10-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C1175	92.22	4/13/2017 12:11	2.13	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	158.36	42.42	2.148	2.174	58.07919702
C1176	65.84	4/13/2017 12:00	4.71	0	0.12	0	0	0	0	0	0	1	0	0.85	0.15	0.84	0	24.666	55.08	4.06	1.195	102.9913105
C1178	41.15	4/13/2017 12:08	0.51	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	125.003	16.26	1.755	2.531	129.3607875
C118	9936.79	4/13/2017 15:44	4.78	0.14	0.7	0	0	0	0	0	0	1	0	1	0	0.5	0	406.15	238.05	14.105	41.742	269.929716
C1182_1	37.05	4/13/2017 12:13	2.8	0	0.01	0	0	0	0	0	0	1	0	0.83	0.17	0.92	0	52.751	18.24	1.619	2.031	158.0345313
C1182_2	61.18	4/13/2017 12:00	0.46	0	0.21	0	0	0	0	0	0	1	0	1	0	1	0	226.281	29.2	2.31	2.095	53.83679179
C1183	240.52	4/13/2017 11:58	7.4	0	0.07	0	0	0	0	0	0	1	0	0	1	0.03	0	40.916	50.69	6.821	4.745	32.20754755
C1185	213.46	4/13/2017 12:00	2.63	0	0.08	0	0	0	0	0	0	1	0	0.12	0.88	0.05	0	153.111	47.05	4.597	4.537	148.4513429
C1186	188.53	4/13/2017 12:00	1.67	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	159	36.07	2.751	5.227	148.7884592
C1188	67.01	4/13/2017 12:00	4.81	0	0.13	0	0	0	0	0	0	1	0	0.22	0.78	0.22	0	73.563	16.78	0.9	3.993	78.26627234
C1189_1	86.12	4/13/2017 12:06	9.03	0.85	0.64	0	0.01	0.33	0.01	0.58	0.01	1	0	0.85	0.15	0.84	0	0	29.26	0.902	2.943	23.28846921
C1189_2	97.49	4/13/2017 12:00	5.22	0	0.08	0	0	0	0	0	0	1	0	0	1	0.03	0	38.471	32.53	1.246	2.997	119.7294687
C119	271.13	4/13/2017 12:11	1.14	0	0.27	0	0	0	0	0	0	1	0	1	0	0.93	0	224.05	373.68	13.843	0.726	37.37632583
C1190	75.96	4/13/2017 12:02	1.83	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	209.276	26.79	4.098	2.835	94.58183851
C1194	69.41	4/13/2017 12:00	1.52	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	80.942	18.21	0	3.812	44.25698999
C1199	109.76	4/13/2017 12:00	3.27	0	0.04	0	0	0	0	0	0	1	0	0.98	0.02	0.97	0	84.641	23.74	1.348	4.623	57.96092798
C12	4203.74	4/13/2017 13:44	7.62	0.01	0.27	0	0	0	0	0	0	1	0	1	0	0	0	164.192	757.82	32.815	5.547	87.06811725
C120	342	4/13/2017 12:07	3.91	0	0.15	0	0	0	0	0	0	1	0	1	0	0.01	0	75.001	1456.34	32.095	0.235	64.99777017
C1200_1	18.59	4/13/2017 12:00	1.59	0	0.03	0	0	0	0	0	0	1	0	0.58	0.42	1	0	75.982	4.5	1.125	4.131	120.0100862
C1200_2	28.65	4/13/2017 12:00	1.55	0	0.07	0	0	0	0	0	0	1	0	0.37	0.63	0.38	0	125.03	7.22	1.543	3.968	88.32854362
C121	33.98	4/13/2017 12:00	0.64	0.04	0.65	0	0.01	0.01	2.29	0.01	0.01	1	0	1	0	1	0	160.354	12.83	2.164	2.648	73.76506246
C1214	33.22	4/13/2017 12:07	0.84	0	0.06	0	0	0	0	0	0	1	0	1	0	0.98	0	161.758	10.98	0.546	3.026	259.8767502
C1216	33.52	4/13/2017 12:00	0.52	0	0.5	0	0.01	0.01	2.58	0.01	0.01	1	0	1	0	1	0	232.957	11.94	0.124	2.807	96.75411289
C122	19876.1	4/13/2017 14:41	5.38	0.04	0.34	0	0	0	0	0	0	1	0	1	0	0.5	0	430.974	435	23.363	45.692	148.5642464
C1226	33.94	4/13/2017 12:01	1.59	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	84.101	9.44	0	3.595	47.72933515
C1229MAS	8.51	4/13/2017 12:01	1.09	0	0.06	0	0	0	0	0	0	1	0	1	0	0.07	0	35.752	5.78	0.532	1.472	21.60098485
C123	249.74	4/13/2017 12:01	1.72	0.01	0.19	0	0	0	0	0	0	1	0	1	0	0.96	0	148.929	349.87	12.194	0.714	78.48207815
C1231	99.96	4/13/2017 11:55	4.06	0	0.04	0	0	0	0	0	0	1	0	0.11	0.89	1	0	69.87	19.02	2.028	5.256	82.60441872
C1235	78.52	4/13/2017 11:55	4.84	0	0.03	0	0	0	0	0	0	1	0	0	1	0.02	0	51.282	14.1	3.189	5.569	75.02390329
C1236	19.29	4/13/2017 12:16	5.03	0	0.11	0	0	0	0	0	0	1	0	0.03	0.97	0.1	0	17.816	15.54	1.258	1.241	18.86385015
C1237	41.66	4/13/2017 12:00	9.78	0.56	0.58	0	0.01	0.62	0.01	0.01	0.01	1	0	0.01	0.99	0	0.37	0	13.01	1.687	3.202	14.32666433
C124	271.93	4/13/2017 12:00	3.72	0.01	0.14	0	0	0	0	0	0	1	0	1	0	0.03	0	87.239	349.87	12.194	0.777	18.00893231
C1247	29.55	4/13/2017 12:00	1.29	0	0.1	0	0	0	0	0	0	1	0	1	0	0.99	0	72.311	7.08	0.228	4.174	180.5562606
C125	9946.06	4/13/2017 15:43	3.38	0.2	0.75	0	0	0	0	0	0	1	0	1	0	0.51	0	545.395	218.67	13.815	45.484	127.2466166
C126	134.47	4/13/2017 12:01	11.03	0.07	0.26	0	0	0	0	0	0	1.19	0	0	1	0	0	0	26.52	5.878	5.071	11.95041262
C126MAS	24.72	4/13/2017 12:01	2.38	0	0.1	0	0	0	0	0	0	1	0	0.11	0	0.1	0	47.064	7.96	0.533	3.106	121.3607915
C127	19881.04	4/13/2017 14:40	7.79	0.03	0.29	0	0	0	0	0	0	1	0	1	0	0.94	0	369.123	417.98	22.75	47.565	132.8692098
C128	209.99	4/13/2017 12:07	2.34	0.01	0.16	0	0	0	0	0	0	1	0	1	0	1	0	70.348	1404.98	29.446	0.149	127.0068289
C129	109.3	4/13/2017 12:04	2.1	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	84.853	35.14	0.809	3.11	57.84401918
C13	375.94	4/13/2017 12:05	1.91	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	264.619	191.79	17.143	1.96	87.61870083
C130	285.32	4/13/2017 12:00	3.85	0	0.08	0	0	0	0	0	0	1	0	1	0	0.94	0	102.763	349.87	12.194	0.816	112.9958927
C131	35.81	4/13/2017 12:00	0.2	0	0.29	0	0	0	0	0	0	1	0	1	0	1	0	326.597	9.77	1.021	3.665	190.2701463
C131_2	106.56	4/13/2017 11:55	4.92	0	0.09	0	0	0	0	0	0	1	0	0	1	1	0	64.954	25.44	5.286	4.189	62.28937043
C131_3	158.7	4/13/2017 12:00	5.35	0	0.1	0	0	0	0	0	0	1	0	0	1	0.84	0	71.837	39	7.166	4.069	57.64370575
C131_4	181.37	4/13/2017 12:00	5.12	0	0.11	0	0	0	0	0	0	1	0	0.97	0.03	1	0	75.244	45.45	7.996	3.991	94.63654423
C131_5	133.89	4/13/2017 11:56	5.03	0	0.1	0	0	0	0	0	0	1	0	0	1	1	0	71.837	32.26	6.458	4.15	77.49932703
C131MAS	0.5	4/13/2017 0:00	0	0	0.51	0	0.01	0.01	24	0.01	0.01	1	0	1	0	1	0	150.075	7.96	0.533	0.063	108.8107004
C132	247.81	4/13/2017 12:42	4.31	0.01	0.29	0	0	0	0	0	0	1	0.46	0	0	0	0	42.436	1990.45	52.764	0.124	29.8068504
C132_1	85.97	4/13/2017 12:00	2.73	0.1	0.62	0	0.01	0.01	0.97	0.01	0.01	1	0	1	0	0.99	0	93.495	22.33	2.527	3.85	43.90420206
C133	100.38	4/13/2017 12:04	2.51	0.01	0.11	0	0	0	0	0	0	1	0	1	0	0.96	0	54.163	32.17	0.809	3.12	90.95011962
C134	52.45	4/13/2017 12:00	1.43	0	0.5	0	0.01	0.01	2.73	0.01	0.01	1	0	1	0	1	0	236.022	15.09	1.539	3.476	130.2865694
C134MAS	8.64	4/13/2017 11:55	1.04	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	36.09	5.78	0.532	1.495	100.7501423
C135	48.7	4/13/2017 12:00	0.56	0.04	0.67	0	0.01	0.01	5.6	0.01	0.01	1	0	1	0	1	0	240.251	14.39	0.714	3.384	112.7035932
C136	19885.09	4/13/2017 14:37	9.05	0.1	0.28	0	0	0	0	0	0	1	0	1	0	0	0	267.568	396.01	21.079	50.214	54.31877488
C137MAS	0.18	4/13/2017 0:00	0.17	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	84.415	23.2	1.538	0.008	43.68939568
C138	37.16	4/13/2017 12:00	1.58	0	0.27	0	0	0	0	0	0	1	0	1	0	1	0	130.534	12.98	0.024	2.863	94.50369512
C139	19866.61	4/13/2017 14:35	6.5	0.12	0.37	0	0	0	0	0	0	1	0	1	0	0.25	0	345.979	295.37	12.261	67.26	40.092379
C13MAS	23.33	4/13/2017 12:02	0.83	0.49	1	0	17.19	17.19	24	0.01	0.01	1	0	1	0	0.13	0	70.77	55.92	4.959	0.417	138.7694072
C14	340.37	4/13/2017 12:03	2.48	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	223.87	120.91	18.56	2.815	19.2383905
C140	35.4	4/13/2017 12:00	0.95	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	221.93	10.81	0.103	3.275	50.873717
C141	22.51	4/13/2017 12:12	1.24	0	0.07	0	0	0	0	0	0	1	0	1	0	0.84	0	90.344	16.07	0.368	1.401	67.00291779
C142	37.81	4/13/2017 12:00	0.86	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	217.396	34.94	0.603	1.082	67.55128063
C142_1	122.59	4/13/2017 12:06	1.71	0.01	0.2	0	0	0	0	0	0	1	0	1	0	0.98	0	171.273	25.68	0.026	4.774	350.4029619
C142_3	15.62	4/13/2017 12:45	8.12	0.23	0.33	0	0	0	0	0	0	1	0	0.01	0.99	0.02	0	0	25.68	0.026	0.608	19.00183855
C143	9965.89	4/13/2017 15:36	8.86	0.1	0.32	0	0	0	0	0	0	1	0	1	0	0	0	190.162	203.97	13.184	48.86	117.533361
C144	19865.73	4/13/2017 14:35	11.01	0.23	0.34	0	0	0	0	0	0	1	0	1	0	0	0	237.312	266.17	9.951	74.635	81.98682553
C145	27724.02	4/13/2017 15:30	6.05	0.29	0.82	0	0	0	0	0	0	1	0	1	0	0.51	0	612.298	2544.34	227.774	10.896	149.0851065
C146	777.05	4/13/2017 12:32	2.64	0	0.1	0	0	0	0	0	0	1	0	1	0	0.96	0	270.53	1856.22	45.633	0.419	99.4832732
C147	874.14	4/13/2017 12:47	4.06	0.02	0.23	0	0	0	0	0	0	1	0	1	0	0.96	0	105.634	2058.64	57.444	0.425	106.0549089
C148	567.1	4/13/2017 12:04	7.59	0.37	0.35	0	0	0	0	0	0	1	0	1	0	0.23	0	43.244	166.62	14.97	3.404	40.58006467

Conduits SWMM 10-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C148_1	28679.69	4/13/2017 15:51	7.55	0.43	0.76	0	0	0	0	0	0	1	0	1	0	0	0	396.786	6258.68	379.747	4.582	241.1631649
C148_2	28669.75	4/13/2017 15:51	7.79	0.4	0.73	0	0	0	0	0	0	1	0	1	0	0.36	0	467.287	6267.81	379.747	4.574	105.0540261
C149	82.5	4/13/2017 12:02	2.2	0	0.07	0	0	0	0	0	0	1	0	1	0	0.93	0	47.019	24.71	0.809	3.339	202.6466293
C14MAS	31.23	4/13/2017 11:55	14.53	0.48	0.45	0	0	0	0	0	0	1	0	0.01	0.99	0.03	0	0	6.1	1.352	5.12	46.95632222
C15	4175.51	4/13/2017 13:39	7.07	0.2	0.71	0	0	0	0	0	0	1	0	1	0	0.64	0	150.279	633.8	25.017	6.588	129.1669829
C150	28602.25	4/13/2017 15:49	7.32	0.11	0.61	0	0	0	0	0	0	1	0	1	0	0.5	0	628.948	4077.31	317.986	7.015	120.3931187
C151	889.87	4/13/2017 12:55	2.44	0	0.56	0	0	0	0	0	0	1	0	1	0	0.86	0	759.145	2170.36	61.761	0.41	146.3999689
C153	28691.71	4/13/2017 15:42	15.37	0.23	0.48	0	0	0	0	0	0	1	0	0.92	0.08	0	0	307.966	4058.5	317.96	7.07	244.4079239
C155	66.86	4/13/2017 12:01	3.77	0	0.1	0	0	0	0	0	0	1	0	1	0	0.09	0	32.211	19.06	0.809	3.508	67.39341929
C156	29.15	4/13/2017 12:00	9.03	0	0.03	0	0	0	0	0	0	1	0	0.07	0.93	0.26	0	18.244	8.29	0.146	3.516	113.0468177
C156_1	84.9	4/13/2017 12:08	15.33	0.04	0.1	0	0	0	0	0	0	1	0	0	1	0.13	0	0	40.12	1.4	2.116	19.2735308
C156_10	78.54	4/13/2017 12:15	1.91	0	0	0	0	0	0	0	0	1	0	1	0	0.6	0	0	40.12	1.4	1.958	196.7355759
C156_2	618.99	4/13/2017 12:14	1.16	0	0.05	0	0	0	0	0	0	1	0	1	0	0	0	323.386	301.92	22.833	2.05	199.5665799
C156_3	579.09	4/13/2017 12:04	6.8	0	0.02	0	0	0	0	0	0	1	0	0	1	0	0	125.285	173.2	15.616	3.343	142.8049504
C156_4	244.11	4/13/2017 12:05	15.31	0.08	0.27	0	0	0	0	0	0	1	0	0.78	0.22	1	0	0	191.79	17.143	1.273	78.65830788
C156_5	690.33	4/13/2017 12:09	1.82	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	281.146	284.56	22.341	2.426	95.73781531
C156_6	77.26	4/13/2017 12:23	2.14	0	0	0	0	0	0	0	0	1	0	0.97	0.03	0.97	0	0	48.41	1.547	1.596	191.9187699
C156_7	14.28	4/13/2017 12:03	0.39	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	5.75	0.315	2.483	458.6829265
C156_9	603.03	4/13/2017 12:06	3.88	0	0.03	0	0	0	0	0	0	1	0	0.43	0.57	0.94	0	226.009	191.79	17.143	3.144	207.0880666
C157	19867.87	4/13/2017 14:32	9.8	0.18	0.32	0	0	0	0	0	0	1	0	1	0	0	0	278.949	263.32	9.948	75.451	117.4982434
C158	0.82	4/13/2017 12:59	2.86	0	0.07	0	0	0	0	0	0	1	0.93	0	0	0	0	4.926	25.68	0.026	0.032	27.37804003
C158_1	65.02	4/13/2017 12:01	0.18	0	0.1	0	0	0	0	0	0	1	0	1	0	0.51	0	377.305	15.04	1.925	4.323	203.1621974
C158_2	45.03	4/13/2017 12:00	1.68	0.03	0.24	0	0	0	0	0	0	1	0	1	0	0.02	0	68.808	8.41	0.726	5.354	139.1339495
C158_3	16.78	4/13/2017 12:01	0.9	0	0.03	0	0	0	0	0	0	1	0	1	0	0	0	74.496	38.73	4.016	0.433	99.20225412
C158_4	79.88	4/13/2017 12:01	2.09	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	219.745	57.55	4.171	1.388	294.6163113
C158_5	62.54	4/13/2017 12:00	0.68	0.01	0.59	0	0.01	0.01	10.96	0.01	0.01	1	0	1	0	1	0	103.055	12.62	1.214	4.956	214.4748863
C159	28786.13	4/13/2017 15:40	8.76	0.47	0.89	0	0.01	0.01	0.01	7.87	0.01	1	0	1	0	0	0	0	4013.66	315.389	7.172	18.11999307
C16	4175.99	4/13/2017 13:39	5.02	0.7	0.86	0	0	0	0	0	0	1	0	1	0	0.75	0	270.006	628.7	25.017	6.642	91.31941558
C160	9968.46	4/13/2017 15:35	10.55	0.49	0.46	0	0	0	0	0	0	1	0	1	0	0	0	153.11	199.02	12.688	50.088	185.5539813
C161	37	4/13/2017 12:00	1.48	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	58.079	10.78	0.809	3.432	72.05695163
C162	1.59	4/13/2017 12:00	2.11	0.04	0.19	0	0	0	0	0	0	1	0	1	0	0.96	0	0	256.244	4.15	0.006	15.99459118
C162_1	336.95	4/13/2017 12:14	3.85	0	0.1	0	0	0	0	0	0	1	0	0.94	0.06	0.22	0	289.052	261.26	24.142	1.29	117.727412
C162_2	336.83	4/13/2017 12:15	1.09	0	0.27	0	0	0	0	0	0	1	0	1	0	0.79	0	421.306	264.93	24.362	1.271	74.01415268
C163	368.89	4/13/2017 12:00	3.73	0.02	0.14	0	0	0	0	0	0	1	0	1	0	0.96	0	199.274	256.244	4.15	1.44	19.29774653
C164	306.61	4/13/2017 12:10	3.63	0	0.06	0	0	0	0	0	0	1	0	1	0	0.96	0	96.027	221.24	22.866	1.386	58.61258172
C165	312.12	4/13/2017 12:09	3.38	0	0.21	0	0	0	0	0	0	1	0	0.96	0.04	1	0	174.324	247.57	9.943	1.261	118.8251099
C166	50.17	4/13/2017 11:55	0.1	0	0.4	0	0	0	0	0	0	2.34	0	1	0	0.89	0	420.478	12.26	1.413	4.092	4.084565723
C167	41.64	4/13/2017 12:23	1.3	0.01	0.21	0	0	0	0	0	0	1	0	1	0	1	0	78.904	32.1	1.839	1.297	18.611893
C168	34.55	4/13/2017 12:05	2.52	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	53.395	12.26	1.413	2.818	71.5852313
C169	17.57	4/13/2017 12:02	0.8	0	0.34	0	0	0	0	0	0	1	0	1	0	0.69	0	219.086	4.88	0.835	3.6	113.8881642
C171	9965.29	4/13/2017 15:36	5.68	0.34	0.78	0	0	0	0	0	0	1	0	1	0	0.49	0	213.99	90.61	1.033	109.98	92.81366617
C172	1309.22	4/13/2017 12:09	6.96	0.01	0.19	0	0	0	0	0	0	1	0	0.05	0.95	0.05	0	153.002	528.49	60.574	2.477	183.8750663
C173	168.55	4/13/2017 12:06	1.24	0.78	1	0	8.81	8.81	11.99	0.01	0.01	1	0	1	0	0.5	0	198.75	174.65	6.391	0.965	231.0692479
C175	404.04	4/13/2017 12:04	13.79	0.06	0.43	0	0	0	0	0	0	1	0.97	0	0.01	0.01	0	46.531	166.62	14.97	2.425	19.74204992
C178	300.5	4/13/2017 12:08	6.28	0	0.08	0	0	0	0	0	0	1	0	0	1	0.15	0	63.146	241.71	9.782	1.243	59.68547841
C179_2	21.16	4/13/2017 12:00	1.49	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	44.808	5.75	0.476	3.68	101.5518102
C18	4177.05	4/13/2017 13:37	5.83	0.06	0.42	0	0	0	0	0	0	1	0	1	0	0.87	0	204.779	618.01	24.663	6.759	52.79595011
C181	30.33	4/13/2017 12:10	8.41	0.23	0.3	0	0	0	0	0	0	1	0	0	1	0	0	0	11.6	1.712	2.615	21.63096744
C182	1284.65	4/13/2017 12:09	4.06	0.01	0.17	0	0	0	0	0	0	1	0	1	0	0.97	0	136.804	516.37	59.748	2.488	66.66765802
C187	153.45	4/13/2017 13:45	2.73	0	0.08	0	0	0	0	0	0	1	0	1	0	0	0	59.432	1355.07	28.491	0.113	85.14514533
C188	43.65	4/13/2017 12:07	8.6	0.34	0.39	0	0	0	0	0	0	1	0	0.69	0.31	0.8	0	0	17.87	2.405	2.443	18.7454763
C19	4177.68	4/13/2017 13:36	5.96	0.16	0.47	0	0	0	0	0	0	1	0	1	0	0	0	226.977	606.91	24.663	6.884	157.2802177
C190	93.63	4/13/2017 12:07	10.85	0.7	0.65	0	0.01	0.66	0.01	0.79	0.01	1	0	0	1	0	0	0	50.9	4.137	1.839	9.212501095
C191	252.31	4/13/2017 12:06	1.4	0.01	0.22	0	0	0	0	0	0	1	0	1	0	1	0	401.694	166.63	6.317	1.514	116.798726
C192	9969.75	4/13/2017 15:32	7.75	0.51	0.88	0	0	0	0	0	0	1	0	1	0	0.83	0	224.864	83.18	0.991	119.858	167.1352811
C193	941.22	4/13/2017 12:09	5.41	0.02	0.14	0	0	0	0	0	0	1	0	1	0	0	0	121.191	402.44	50.036	2.339	109.8856289
C194	209.81	4/13/2017 12:16	3.03	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	87.702	160.74	13.189	1.305	207.61383
C195	43.64	4/13/2017 12:07	1.47	0	0.26	0	0	0	0	0	0	1	0	0.27	0.73	0.14	0	88.468	17.87	2.405	2.442	35.73286516
C195_1MAS	265.98	4/13/2017 12:08	4.96	0.09	0.35	0	0	0	0	0	0	1	0	1	0	1	0	48.766	210.93	7.99	1.261	78.32767236
C195_2MAS	300.57	4/13/2017 12:08	6.06	0.02	0.19	0	0	0	0	0	0	1	0	0.93	0.07	0	0	57.408	241.71	9.782	1.244	47.9469063
C196	244.44	4/13/2017 12:05	4.35	0.02	0.13	0	0	0	0	0	0	1	0	0.96	0.04	0	0	122.389	163.2	6.011	1.498	33.24311361
C198	195.3	4/13/2017 12:04	2.31	0.03	0.26	0	0	0	0	0	0	1	0	1	0	0.32	0	175.496	142.79	5.198	1.368	16.1155425
C2	890.45	4/13/2017 12:54	5.18	0.01	0.31	0	0	0	0	0	0	1	0	1	0	0.94	0	205.102	2161.03	61.437	0.412	76.22893788
C20	4177.95	4/13/2017 13:35	7.34	0.65	0.55	0	0	0	0	0	0	1	0	1	0	0	0	209.643	597.72	24.663	6.99	85.4615271
C201	72.34	4/13/2017 12:03	5.38	0.06	0.3	0	0	0	0	0	0	1	0	0.98	0.02	1	0	0	120.91	18.56	0.598	19.2383905
C202	9968.89	4/13/2017 15:33	8.24	0.2	0.56	0	0	0	0	0	0	1	0	1	0	0.16	0	205.348	83.18	0.991	119.847	63.49094038
C203_1	193.67	4/13/2017 12:07	6.18	0.01	0.12	0	0	0	0	0	0	1	0	0.96	0.04	0.05	0	32.766	182.96	13.215	1.059	140.3676175
C203_2	209.04	4/13/2017 12:07	5.59	0.01	0.54	0	0.01	0.01	2.85	0.01	0.01	1	0	1	0	0.95	0	116.005	193.25	13.502	1.082	105.886735
C205	17.68	4/13/2017 12:23	8.73	0.84	0.61	0	0.01	4.2	0.01	0.01	0.01	1	0	0	1	0	0	0	32.1	1.839	0.551	14.49410229
C206_2	266.72	4/13/2017 12:07	3.13	0.17	0.44	0	0	0	0	0	0	1	0	1	0	0	0	120.295	210.93	7.99	1.264	58.54147829

Conduits SWMM 10-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C208	526.89	4/13/2017 12:20	12.31	0.97	0.68	0	0.01	0.61	0.01	1.23	0.01	1	0	0	1	0	0	0	273.04	25.157	1.93	20.07880393
C209	49.83	4/13/2017 12:07	9.36	0.33	0.4	0	0	0	0	0	0	1	0	0.04	0.96	0.69	0	0	20.48	2.44	2.433	16.48412585
C21	60.87	4/13/2017 12:03	0.14	0	0.19	0	0	0	0	0	0	1	0	1	0	0	0	684.632	55.76	3.131	1.092	87.07768366
C211	154.94	4/13/2017 13:35	1.64	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	128.359	1338.37	27.806	0.116	201.7060425
C212	174.76	4/13/2017 12:04	1.02	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	210.172	171.23	11.847	1.021	79.13146019
C213	207.66	4/13/2017 12:14	4.29	0.01	0.17	0	0	0	0	0	0	1	0	1	0	0.69	0	29.84	152.87	11.746	1.358	208.2309484
C214	611.21	4/13/2017 12:07	7.12	0	0.14	0	0	0	0	0	0	1	0	0.03	0.97	0.03	0	139.407	264.48	23.894	2.311	77.338821
C218	154.79	4/13/2017 13:32	1.95	0.01	0.13	0	0	0	0	0	0	1	0	1	0	1	0	186.093	1333.52	27.051	0.116	55.12502273
C219	99.42	4/13/2017 12:00	1.84	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	87.306	23.46	2.514	4.238	101.7718422
C22	4179.02	4/13/2017 13:34	5.43	0.01	0.23	0	0	0	0	0	0	1	0	1	0	1	0	297.491	561.59	23.502	7.441	115.4256638
C220	162.36	4/13/2017 12:00	1.99	0.01	0.15	0	0	0	0	0	0	1	0	1	0	1	0	173.306	128.98	5.198	1.259	207.8111619
C221	19.91	4/13/2017 11:56	3.35	1.7	1	0	12	12.07	12	0.27	0.04	1	0	0.56	0	0	0	0	63.59	3.676	0.313	98.35635769
C223	196.68	4/13/2017 12:07	1.81	0.01	0.18	0	0	0	0	0	0	1	0	1	0	1	0	104.685	111.87	12.188	1.758	50.45438237
C229	224.45	4/13/2017 12:06	2.13	0	0.19	0	0	0	0	0	0	1	0	1	0	1	0	252.204	140.69	9.875	1.595	113.1197877
C23	98.68	4/13/2017 12:00	1.58	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	82.301	19.6	1.215	5.035	78.07983211
C23_1MAS	11.58	4/13/2017 12:57	3.86	1.55	1	0	1.99	2.52	2.02	2.23	1.87	1	0	1	0	0	0	0	17.81	0.868	0.65	10.23587045
C23_2MAS	15.44	4/13/2017 12:16	5.15	2.06	1	0	0.56	2.62	0.56	2.64	0.56	1	0	1	0	0	0	0	21.93	1.36	0.704	10.13493466
C23_3MAS	15.91	4/13/2017 12:02	0.66	0.02	0.52	0	0	0	0	0	0	1	0	1	0	0.76	0	68.516	21.93	1.36	0.725	27.19136395
C23_5MAS	18.41	4/13/2017 12:00	0.88	0.03	0.34	0	0	0	0	0	0	1	0	1	0	0.65	0	35.719	23.2	1.538	0.794	50.06486565
C230	7.55	4/13/2017 12:51	7.09	0.56	0.58	0	0.01	2.79	0.01	0.01	0.01	1	0	0	1	0	0	0	11.35	0.809	0.665	7.298047699
C232	37.6	4/13/2017 12:04	11.03	0.48	0.49	0	0	0	0	0	0	1	0	0	1	0	0	0	57.85	5.703	0.65	28.81347006
C233	28.83	4/13/2017 12:00	16.12	1.11	0.62	0	0.01	0.41	0.01	0.42	0.01	1	0	0.01	0.99	0.03	0	0	17.88	0.594	1.612	20.84027212
C234	189.34	4/13/2017 12:07	5.66	0	0.09	0	0	0	0	0	0	1	0	0.89	0.11	0.01	0	48.017	105.77	10.988	1.79	76.0908282
C237	348.11	4/13/2017 12:04	8.78	0.55	0.9	0	0.01	0.53	0.01	0.01	0.01	1	0	1	0	0.81	0	0	248.91	22.713	1.399	9.626075074
C238	91.88	4/13/2017 12:21	0.62	0	0.23	0	0	0	0	0	0	1	0	1	0	1	0	136.131	49.09	2.452	1.872	137.618451
C23MAS	0.5	4/13/2017 0:00	0.53	0	0.04	0	0	0	0	0	0	1	0	0.11	0	0.1	0	47.819	12.31	0.763	0.041	159.8937052
C24	27705.3	4/13/2017 15:30	8.33	0.23	0.55	0	0	0	0	0	0	1	0	1	0	0	0	354.764	2501.97	223.678	11.073	106.7140865
C240	5.75	4/13/2017 12:59	5.63	0.74	0.56	0	0.01	4.52	0.01	0.01	0.01	1	0	0.05	0.95	0	0	0	11.35	0.809	0.507	10.10465639
C241_1	9972.48	4/13/2017 15:30	7.98	0.03	0.3	0	0	0	0	0	0	1	0	1	0	0.87	0	200.566	0	0	0	208.2939813
C241_2	9969.68	4/13/2017 15:31	6.69	0.04	0.34	0	0	0	0	0	0	1	0	1	0	0.36	0	213.032	20.28	0.046	491.602	126.5232456
C244	189.45	4/13/2017 12:06	12.92	0.24	0.41	0	0	0	0	0	0	1	0	0	1	0	0	0	105.77	10.988	1.791	11.0917158
C245	33.9	4/13/2017 13:31	2.48	0.13	0.52	0	0.01	4.91	0.01	0.01	0.01	1	0	1	0	0	0	0	123.84	10.356	0.274	24.35286264
C245_1	208.96	4/13/2017 12:05	4.67	0.02	0.13	0	0	0	0	0	0	1	0	0.99	0.01	0	0	146.575	133.47	8.332	1.566	94.98348046
C245_2	207.24	4/13/2017 12:06	9.62	0.12	0.36	0	0	0	0	0	0	1	0	0.56	0.44	0.89	0	0	133.47	8.332	1.553	22.94661244
C246	7.55	4/13/2017 12:51	0.38	0	0.25	0	0	0	0	0	0	1	0	1	0	1	0	88.456	11.35	0.809	0.665	32.33020711
C249	467.58	4/13/2017 12:06	1.66	0.01	0.23	0	0	0	0	0	0	1	0	1	0	1	0	190.103	129.4	24.88	3.613	86.10242703
C252	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	17.65	2.83	0	27.92995307
C253	130.2	4/13/2017 12:43	1.68	0	0.26	0	0	0	0	0	0	1	0	1	0	0.75	0	266.832	1127.09	19.704	0.116	213.6673351
C254	183.14	4/13/2017 12:03	3.3	0.01	0.24	0	0	0	0	0	0	1	0	1	0	1	0	46.829	100.75	10.433	1.818	41.60787876
C256	173.34	4/13/2017 12:02	0.71	0	0.03	0	0	0	0	0	0	1	0	1	0	0	0	213.138	97.81	9.889	1.772	42.07480026
C259	200.97	4/13/2017 12:01	3.95	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	56.852	123.33	7.042	1.63	95.92554674
C26	4182.2	4/13/2017 13:30	7.25	0.01	0.15	0	0	0	0	0	0	1	0	1	0	0.58	0	160.629	537.16	23.499	7.786	275.1005474
C261	99.32	4/13/2017 12:04	8.23	0	0.02	0	0	0	0	0	0	1.65	0.97	0	0	0	0	56.562	59.69	5.597	1.664	19.1615387
C264	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	3.51	1	0	0	0	0	0	28.26	1.431	0	20.84770418
C266	459.25	4/13/2017 12:05	5.63	0	0.09	0	0	0	0	0	0	1	0	1	0	0.99	0	84.145	125.32	24.382	3.665	112.3286282
C267	495.98	4/13/2017 12:04	3.61	0.02	0.28	0	0	0	0	0	0	1	0	1	0	0.06	0	138.933	219.11	18.599	2.264	64.83544087
C27	4178.47	4/13/2017 13:29	5.21	0.19	0.48	0	0	0	0	0	0	1	0	1	0	0.73	0	165.668	508.79	21.167	8.213	61.07384787
C271	81.6	4/13/2017 12:12	1.62	0	0.46	0	0	0	0	0	0	1	0	1	0	0.92	0	97.395	51.82	0.59	1.575	61.8527975
C272_1MAS	38.46	4/13/2017 12:11	0.37	0	0.42	0	0	0	0	0	0	1	0	1	0	0.73	0	185.103	41.53	2.987	0.926	86.06152527
C273	69.84	4/13/2017 12:10	2.1	0	0.02	0	0	0	0	0	0	1	0	0	0	0	0	123.099	132.63	8.743	0.527	390.3035927
C274	162.88	4/13/2017 12:03	5.9	0	0.1	0	0	0	0	0	0	1	0	0.91	0.09	1	0	33.822	109.68	5.121	1.485	57.96586681
C275	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	10.33	1.147	0	57.62233217
C276	12.58	4/13/2017 12:23	0.74	0	0.37	0	0	0	0	0	0	1	0	1	0	1	0	64.966	11.35	0.809	1.108	51.00076902
C277	87.11	4/13/2017 12:01	4.17	0	0.05	0	0	0	0	0	0	1	0	0	1	0.01	0	51.1	17.86	1.982	4.877	21.09852803
C278	87	4/13/2017 12:01	2.55	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	46.201	17.86	1.982	4.871	25.98207
C279	127.98	4/13/2017 12:38	1.08	0.01	0.14	0	0	0	0	0	0	1	0	1	0	0	0	126.333	1121.15	19.701	0.114	143.899356
C28	27680.96	4/13/2017 15:30	7.93	0.1	0.43	0	0	0	0	0	0	1	0	1	0	0.42	0	329.902	2385.35	211.463	11.605	183.3371347
C281_1	95.83	4/13/2017 12:38	0.32	0	0.29	0	0	0	0	0	0	1	0	1	0	0	0	331.862	77.13	4.449	1.242	36.7695558
C281_2	90.66	4/13/2017 12:47	6.49	0.68	0.64	0	0.01	0.01	1.47	1.8	0.01	1	0	1	0	0	0	0	77.13	4.449	1.175	23.90724869
C2812MAS_1	116.89	4/13/2017 12:02	3.43	0.01	0.13	0	0	0	0	0	0	1	0	1	0	0.99	0	66.89	47.46	3.25	2.463	134.5943364
C2812MAS_2	128.41	4/13/2017 12:04	1.93	0.01	0.22	0	0	0	0	0	0	1	0	1	0	1	0	114.363	53.37	3.657	2.406	229.9736641
C284	7.72	4/13/2017 12:24	7.02	1.45	0.6	0	0.01	3.96	0.01	3	0.01	1	0	0.04	0.96	0	0	0	11.35	0.809	0.68	8.675592876
C285	451.51	4/13/2017 12:02	3.67	0	0.07	0	0	0	0	0	0	1	0	1	0	0.94	0	144.974	204.41	17.113	2.209	83.73717941
C287	233.94	4/13/2017 12:03	3.28	0.01	0.84	0	0.01	0.01	2.89	0.01	0.01	1	0	1	0	0.8	0	171.415	147.44	11.763	1.587	100.1721832
C288	164.02	4/13/2017 12:00	2.17	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	98.211	92.88	9.508	1.766	161.3255713
C29	27700.03	4/13/2017 15:29	9.4	0.3	0.39	0	0	0	0	0	0	1	0	1	0	0	0	272.797	2232.33	191.465	12.409	240.5997201
C292	33.94	4/13/2017 13:42	0.17	0	0.1	0	0	0	0	0	0	1	0	1	0	0	0	273.82	88.12	5.594	0.385	96.83938055
C294	113.33	4/13/2017 12:27	0.67	0	0.28	0	0	0	0	0	0	1	0	1	0	0.81	0	381.262	77.13	4.449	1.469	32.864037
C295	81.63	4/13/2017 12:12	3.47	0.08	0.3	0	0	0	0	0	0	1	0	1	0	0.04	0	30.048	51.21	0.59	1.594	97.26419007
C298	110.28	4/13/2017 12:30	1.48	0.02	0.15	0	0	0	0	0	0	1	0	1	0	0	0	160.497	109.77	3.918	1.005	62.03586216

Conduits SWMM 10-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C3	33.18	4/13/2017 12:00	0.48	0	0.41	0	0	0	0	0	0	1	0	1	0	1	0	139.564	10.23	0.704	3.243	69.71947872
C302	142.5	4/13/2017 11:59	10.02	0	0.08	0	0	0	0	0	0	1	0	0	1	0	0	25.968	87.56	9.323	1.627	28.59325397
C303	421.6	4/13/2017 12:03	3.29	0	0.08	0	0	0	0	0	0	1	0	0.29	0.71	0.17	0	146.494	108.66	20.725	3.88	140.764432
C304	41.78	4/13/2017 11:59	0.43	0.01	0.87	0	0.01	0.01	1.18	0.01	0.01	1	0	1	0	0.82	0	444.824	11.35	0.809	3.681	33.66062832
C307	55.36	4/13/2017 11:52	8.97	1.76	1	0	0.22	0.39	0.22	0.3	0.21	1	0	0.96	0.04	0	0	0	12.26	1.413	4.515	12.0125052
C308	422	4/13/2017 12:02	3.43	0	0.06	0	0	0	0	0	0	1	0	0.51	0.49	0.37	0	123.97	195.8	16.616	2.155	66.79097402
C309	73.22	4/13/2017 12:10	0.21	0	0.23	0	0	0	0	0	0	1	0	1	0	0.65	0	535.554	71.37	5.124	1.026	54.17473271
C31	4030.52	4/13/2017 13:32	5.7	0.12	0.38	0	0	0	0	0	0	1	0	1	0	0.94	0	207.391	42.5	1.316	94.836	97.72591715
C313	79.26	4/13/2017 12:09	2.43	0.06	0.53	0	0	0	0	0	0	1	0	1	0	1	0	185.782	46.86	0.59	1.691	53.61233737
C314	123.69	4/13/2017 12:12	5.1	0	0.13	0	0	0	0	0	0	1	0	1	0	0.97	0	28.046	79.83	8.432	1.549	55.53291743
C316	64.47	4/13/2017 12:03	2.41	0	0.06	0	0	0	0	0	0	1	0	1	0	0.99	0	78.929	120.28	7.093	0.536	163.1361297
C318	34.56	4/13/2017 12:04	8.45	0.34	0.56	0	0.01	0.3	0.01	0.01	0.01	1	0	0	1	0	0	0	12.26	1.413	2.819	12.41600482
C319	266.92	4/13/2017 12:01	0.81	0	0.32	0	0	0	0	0	0	1	0	1	0	0.67	0	288.202	89.65	5.747	2.977	53.73439616
C32	4030.68	4/13/2017 13:31	4.34	0.33	0.54	0	0	0	0	0	0	1	0	1	0	0	0	224.909	42.5	1.316	94.84	54.65166332
C322	10.98	4/13/2017 12:00	0.36	0	0.38	0	0	0	0	0	0	1	0	1	0	1	0	340.918	693.14	41.121	0.016	733.8630283
C324	33.26	4/13/2017 12:11	0.13	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	274.889	40.02	1.275	0.831	137.4989318
C327	255.12	4/13/2017 12:06	8.8	0.91	0.65	0	0.01	0.38	0.01	1.04	0.01	1	0	0	1	0	0	0	86.23	7.185	2.959	22.21675142
C327_1	417.95	4/13/2017 12:00	1.36	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	156.607	104.93	20.288	3.983	83.29180752
C327_2	301.19	4/13/2017 12:03	11.91	0.74	0.64	0	0.01	0.49	0.01	0.69	0.01	1	0	0	1	0	0	0	104.93	20.288	2.87	18.13840738
C33	123.69	4/13/2017 12:12	11.35	0.72	0.72	0	0.01	0.61	0.01	0.91	0.01	1	0	0	1	0	0	0	79.83	8.432	1.549	19.43311302
C331	75.99	4/13/2017 12:06	0.79	0.01	0.14	0	0	0	0	0	0	1	0	1	0	1	0	176.13	44.15	0.59	1.721	74.79558667
C332	33.44	4/13/2017 12:02	0.93	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	143.031	112.07	6.922	0.298	68.82554415
C333	7.53	4/13/2017 12:59	1.33	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	35.809	11.35	0.809	0.663	65.70413028
C336MAS_1	24.01	4/13/2017 12:08	0.66	0.01	0.08	0	0	0	0	0	0	1	0	1	0	0.95	0	134.912	31.78	2.037	0.756	32.38993658
C336MAS_2	24.32	4/13/2017 12:15	0.63	0.01	0.13	0	0	0	0	0	0	1	0	1	0	0.35	0	151.699	33.39	2.295	0.728	196.1192634
C337	51.15	4/13/2017 12:15	0.54	0	0.36	0	0	0	0	0	0	1	0	1	0	1	0	461.37	64.28	3.59	0.796	130.8081344
C338	361.35	4/13/2017 12:01	4.61	0	0.11	0	0	0	0	0	0	1	0	1	0	0.98	0	119.703	109.92	9.675	3.287	111.5252425
C34	27801.27	4/13/2017 15:27	7.13	0.06	0.35	0	0	0	0	0	0	1	0	1	0	0	0	451.812	2181.01	185.82	12.747	281.4581849
C344	30.82	4/13/2017 12:35	8.16	0.42	0.56	0	0.01	0.91	0.01	0.01	0.01	1	0	0	1	0	0	0	25.46	3.457	1.211	23.12878875
C345	48.84	4/13/2017 13:31	0.56	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	235.607	123.84	10.356	0.394	210.9034659
C347	397.71	4/13/2017 12:01	11.44	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	40.434	100.39	19.68	3.962	65.7715178
C349	51.53	4/13/2017 12:13	1.91	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	102.758	62	3.587	0.831	32.01063858
C355	61.66	4/13/2017 12:14	8.88	0.27	0.32	0	0.01	0.01	0.01	0.32	0.01	1	0	0	1	0	0	0	30.38	2.581	2.03	25.99345033
C355_1	125.19	4/13/2017 12:16	1.36	0.01	0.4	0	0	0	0	0	0	1	0	1	0	1	0	95.158	57.98	2.554	2.159	91.338431
C355_3	115.29	4/13/2017 12:25	10.85	0.67	0.7	0	0.01	0.78	0.01	0.63	0.01	1	0	0.08	0.92	0	1	0	63.54	3.179	1.814	18.89011392
C355_4	128.68	4/13/2017 12:25	5	0.01	0.25	0	0	0	0	0	0	1	0	0.98	0.02	0.16	0	78.821	77.13	4.449	1.668	79.39256961
C358	7.53	4/13/2017 13:01	0.26	0	0.19	0	0	0	0	0	0	1	0	1	0	1	0	89.579	11.35	0.809	0.663	40.61900585
C359_2MAS	19.23	4/13/2017 12:10	1.82	0	0.11	0	0	0	0	0	0	1	0	1	0	0	0	41.105	30.31	1.951	0.634	47.4433487
C360	373.22	4/13/2017 12:01	7.78	0	0.08	0	0	0	0	0	0	1	0	0	1	0.25	0	47.524	94.13	18.052	3.965	35.98759358
C362	58.41	4/13/2017 12:33	0.3	0	0.53	0	0	0	0	0	0	1	0	1	0	0.5	0	672.855	23.96	0.004	2.438	46.82697041
C364	72.48	4/13/2017 12:07	2.66	0	0.05	0	0	0	0	0	0	1	0	0.38	0.62	0.36	0	151.535	68.95	5.012	1.051	159.4394495
C365	202.06	4/13/2017 12:05	11.77	0.32	0.47	0	0	0	0	0	0	1	0	0	1	0.74	0	0	61.04	5.874	3.31	20.10300074
C367	361.85	4/13/2017 12:02	14.33	0.29	0.42	0	0.01	0.01	0.01	0.31	0.01	1	0	0	1	0.94	0	0	90.95	17.282	3.979	26.24862426
C368	233.3	4/13/2017 12:00	2.74	0.01	0.28	0	0	0	0	0	0	1	0	1	0	0.09	0	190.172	62.03	6.97	3.761	108.8747442
C369	83.84	4/13/2017 12:06	1.57	0	0.08	0	0	0	0	0	0	1	0	1	0	0.98	0	228.982	29.96	2.065	2.798	280.1564956
C37	117.22	4/13/2017 12:03	0.93	0	0.16	0	0	0	0	0	0	1	0	1	0	0.93	0	188.916	72.19	7.265	1.624	41.92077788
C370	34.59	4/13/2017 12:05	0.91	0	0.03	0	0	0	0	0	0	1	0	1	0	0.33	0	187.954	36.79	1.257	0.94	163.7103961
C371	25.63	4/13/2017 12:02	0.26	0	0.26	0	0	0	0	0	0	1	0	1	0	1	0	291.007	7.36	0.133	3.482	157.7574982
C372	226.61	4/13/2017 12:04	4.06	0.01	0.52	0	0.01	0.01	3.68	0.01	0.01	1	0	1	0	1	0	118.115	97.32	10.094	2.329	220.0562244
C375	52.16	4/13/2017 12:10	0.19	0	0.3	0	0	0	0	0	0	1	0	1	0	1	0	286.656	21.1	0.504	2.472	70.96284456
C376	17.96	4/13/2017 12:00	1.05	0	0.06	0	0	0	0	0	0	1	0	0.29	0.71	0	0	93.876	108.49	6.603	0.166	75.62876117
C379	94.81	4/13/2017 15:05	0.23	0	0.53	0	0.01	0.01	1.31	0.01	0.01	1	0	1	0	0.96	0	478.755	70.19	4.182	1.351	180.7254973
C38	29066.72	4/13/2017 15:09	7.86	0.53	0.63	0	0	0	0	0	0	1	0	1	0	0	0	432.904	1458.2	102.249	19.933	159.909851
C380	427.64	4/13/2017 12:01	3.05	0.01	0.17	0	0	0	0	0	0	1	0	1	0	1	0	132.653	104.32	17.075	4.099	200.8675595
C381	52.3	4/13/2017 12:11	0.92	0.01	0.11	0	0	0	0	0	0	1	0	1	0	1	0	203.167	55.65	3.587	0.94	92.24859241
C382	8.77	4/13/2017 12:00	1.04	0	0.02	0	0	0	0	0	0	1	0	0.08	0.92	0.01	0	71.392	2.24	0.032	3.915	34.67980907
C383	3.94	4/13/2017 12:00	6.52	0.72	0.65	0	0.01	24	0.01	0.87	0.01	1	0	0	1	0	0	0	61.67	3.56	0.064	7.735934405
C384_1	208.71	4/13/2017 12:00	3.02	0	0.23	0	0	0	0	0	0	1	0	1	0	1	0	76.125	75.2	4.602	2.775	93.36922559
C384_2	255.12	4/13/2017 12:01	3.03	0.05	0.46	0	0	0	0	0	0	1	0	1	0	0	0	116.132	86.64	5.604	2.945	115.4463832
C385	31.67	4/13/2017 12:06	1.19	0	0.15	0	0	0	0	0	0	1	0	1	0	0.67	0	346.166	16.68	0.004	1.899	67.17456695
C390_2	56.77	4/13/2017 12:18	0.65	0	0.29	0	0	0	0	0	0	1	0	1	0	1	0	156.126	42.37	4.096	1.34	156.1189413
C390_3	71.99	4/13/2017 12:06	1.98	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	57.48	42.37	4.096	1.699	231.9278726
C390_4	56.88	4/13/2017 12:17	12.75	0.23	0.39	0	0	0	0	0	0	1	0	0	1	0	0	0	42.37	4.096	1.342	12.77741866
C3932MAS	17.56	4/13/2017 12:02	1.2	0.01	0.11	0	0	0	0	0	0	1	0	0.09	0	0.08	0	99.364	25.95	1.79	0.677	127.726542
C394	15.84	4/13/2017 12:00	1.84	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	56.899	66.22	4.176	0.239	46.60398444
C395	260.25	4/13/2017 12:06	5.17	0	0.07	0	0	0	0	0	0	1	0	0.95	0.05	0.31	0	85.479	89.02	8.429	2.924	86.58401148
C399	306.37	4/13/2017 12:10	6.9	0.01	0.16	0	0	0	0	0	0	1	0	1	0	0	0	28.695	221.24	22.866	1.385	24.19472884
C3MAS	12.17	4/13/2017 12:29	4.08	0.88	1	0	5.81	5.81	9.99	0.01	0.01	1	0	1	0	0	0	0	41.53	2.987	0.293	20.08259341
C4	4097.48	4/13/2017 14:06	4.87	0.03	0.6	0	0	0	0	0	0	1	0	1	0	0.84	0	872.956	3151.85	232.619	1.3	425.0601043
C40	486.57	4/13/2017 13:28	5.79	0.43	1	0	8.49	8.49	11.43	2.09	1.14	1	0	0.92	0.08	0	0	0	1458.2	102.249	0.334	22.11400826

Conduits SWMM 10-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C400	189.35	4/13/2017 12:00	4.38	0	0.09	0	0	0	0	0	0	1	0	0.99	0.01	1	0	78.264	52.61	5.548	3.599	87.02244877
C401	82.71	4/13/2017 12:00	1.96	0	0.21	0	0	0	0	0	0	1	0	1	0	1	0	71.901	21.19	2.268	3.903	133.9160644
C402_1	323.82	4/13/2017 12:00	6.24	0.01	0.16	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	57.499	68.68	9.227	4.715	175.4773683
C402_2	431.98	4/13/2017 12:03	3.48	0.02	0.26	0	0	0	0	0	0	1	0	1	0	1	0	80.641	102.56	13.732	4.212	67.11048694
C403	86.73	4/13/2017 12:07	4.13	0.03	0.55	0	0.01	0.01	2.5	0.01	0.01	1	0	0.96	0.04	0.25	0	40.539	58.73	6.107	1.477	334.1539086
C405	64.2	4/13/2017 12:04	8.76	0.5	0.51	0	0.01	0.01	0.01	0.02	0.01	1	0	0.34	0.66	0.92	0	0	21.19	2.268	3.03	21.79815318
C407	154.66	4/13/2017 12:05	0.92	0	0.22	0	0	0	0	0	0	1	0	1	0	1	0	301.035	44.22	0.646	3.498	175.8891168
C407_2	120.24	4/13/2017 12:15	6.01	0.01	0.16	0	0	0	0	0	0	1	0	0.98	0.02	0	0	20.485	54.79	2.29	2.195	74.25473559
C409	55.24	4/13/2017 12:05	1.58	0	0.07	0	0	0	0	0	0	1	0	0.3	0.7	0.05	0	130.522	21.1	0.504	2.618	79.98427081
C41	888.28	4/13/2017 12:54	4.81	0.03	0.19	0	0	0	0	0	0	1	0	1	0	0	0	94.118	2151.6	61.133	0.413	81.05941309
C410MAS	13.16	4/13/2017 12:29	2.06	0.03	0.26	0	0	0	0	0	0	1	0	1	0	0	0	49.558	24.21	1.67	0.544	42.45597066
C415_1	68.29	4/13/2017 12:11	2.8	0	0.07	0	0	0	0	0	0	1	0	1	0	0	0	35.962	33.96	2.599	2.011	144.4289489
C415_2	72.08	4/13/2017 12:12	0.94	0	0.49	0	0	0	0	0	0	1	0	1	0	1	0	138.858	36.46	2.87	1.977	103.5527424
C416	386.27	4/13/2017 12:00	3.8	0.01	0.29	0	0	0	0	0	0	1	0	1	0	1	0	126.634	77.66	6.559	4.974	161.160858
C42	30573.71	4/13/2017 15:19	10.9	0.43	0.58	0	0	0	0	0	0	1	0	1	0	0	0	330.418	1458.2	102.249	20.967	124.6727298
C420	63.98	4/13/2017 12:04	5.58	0.01	0.16	0	0	0	0	0	0	1	0	0.37	0.63	0	0	27.034	21.19	2.268	3.019	83.55844296
C422	171.38	4/13/2017 12:00	4.09	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	55.056	56.35	9.165	3.041	47.62008234
C425	63.14	4/13/2017 12:26	2.21	0.01	0.17	0	0	0	0	0	0	1	0	0.99	0.01	1	0	170.998	56.32	4.431	1.121	156.0531183
C429	320.02	4/13/2017 12:06	13.32	0.4	0.6	0	0.01	0.27	0.01	0.01	0.01	1	0	0	1	0	0	0	101.24	8.943	3.161	18.27215226
C43	29650.86	4/13/2017 15:24	9.49	0.13	0.25	0	0	0	0	0	0	1	0	1	0	0	0	342.336	1440.67	100.39	20.581	72.62491378
C430	269.81	4/13/2017 12:03	3.82	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	64.102	67.53	11.548	3.995	158.994985
C432	526.41	4/13/2017 12:20	3.78	0.01	0.17	0	0	0	0	0	0	1	0	1	0	1	0	82.945	273.04	25.157	1.928	71.29426785
C434	15.25	4/13/2017 12:14	0.94	0	0.04	0	0	0	0	0	0	1	0	1	0	0	0	50.96	25.3	1.137	0.603	184.6886469
C435	171.9	4/13/2017 12:00	5.08	0	0.04	0	0	0	0	0	0	1	0	0	1	0.01	0	64.867	56.35	9.165	3.051	31.51830309
C436	35.57	4/13/2017 12:07	2.2	0.01	0.21	0	0	0	0	0	0	1	0	1	0	1	0	28.882	22.65	1.858	1.57	91.78040725
C438	238.36	4/13/2017 12:01	2.58	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	99.052	60.86	7.224	3.917	164.5280464
C439_2	28776.48	4/13/2017 15:34	7.21	0.25	0.47	0	0	0	0	0	0	1	0	1	0	0	0	560.878	3588.22	274.537	8.02	93.12037518
C439_3	28723.93	4/13/2017 15:37	7.81	0.27	0.45	0	0	0	0	0	0	1	0	1	0	0	0	489.22	3605.21	275.709	7.967	105.2336868
C439_4	28725.54	4/13/2017 15:35	8.87	0.15	0.42	0	0	0	0	0	0	1	0	1	0	0	0	435.104	3611.78	275.722	7.953	127.0072394
C439_5	28762.89	4/13/2017 15:34	7.46	0.24	0.46	0	0	0	0	0	0	1	0	1	0	0	0	540.077	3597.99	275.558	7.994	87.24249994
C44	888.15	4/13/2017 12:53	2.55	0.3	0.38	0	0	0	0	0	0	1	0	1	0	0	0	144.954	2144.74	60.943	0.414	46.05864243
C440MAS	29099.52	4/13/2017 15:36	7.35	0.23	0.61	0	0	0	0	0	0	1	0	1	0	0.01	0	670.697	3874.93	293.395	7.51	160.1928221
C441	19.3	4/13/2017 12:16	9.24	0.75	0.63	0	0.01	1.02	0.01	0.01	0.01	1	0	0	1	0	0.9	0	15.54	1.258	1.242	11.68020967
C442	376.24	4/13/2017 12:00	9.75	0.01	0.1	0	0	0	0	0	0	1	0	0	1	0.01	0	102.482	91.07	15.037	4.131	128.6321898
C445	30.76	4/13/2017 12:37	3.1	0	0.05	0	0	0	0	0	0	1	0	0.01	0.99	0.01	0	67.88	25.46	3.457	1.208	160.6555192
C446	77.64	4/13/2017 12:00	5.74	0	0.05	0	0	0	0	0	0	1	0	0.74	0.26	0.91	0	21.117	36	2.727	2.157	160.3758464
C45	20.46	4/13/2017 12:03	7.67	0.15	0.24	0	0	0	0	0	0	1	0	0	1	0	0	0	6.37	1.005	3.212	20.13954333
C450	124.32	4/13/2017 12:00	5.16	0	0.09	0	0	0	0	0	0	1	0	0.05	0.95	0.08	0	30.837	66.59	4.628	1.867	88.63928021
C455_2	80.11	4/13/2017 12:07	1.3	0.01	0.19	0	0	0	0	0	0	1	0	1	0	0.09	0	261.776	25.09	1.179	3.193	52.03273954
C457	137.87	4/13/2017 11:58	4.31	0	0.05	0	0	0	0	0	0	1	0	0.99	0.01	1	0	62.04	41.06	4.202	3.358	50.27283279
C458_1	152.15	4/13/2017 12:01	2.96	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	44.221	50.9	4.137	2.989	162.6383483
C458_2	136.29	4/13/2017 12:07	1.55	0	0.49	0	0	0	0	0	0	1	0	1	0	1	0	529.089	50.9	4.137	2.678	297.8034184
C459	182.44	4/13/2017 12:05	0.91	0.01	0.2	0	0	0	0	0	0	1	0	1	0	0	0	105.589	102.76	10.589	1.775	62.56592821
C46	887.24	4/13/2017 12:53	3.29	0.03	0.31	0	0	0	0	0	0	1	0	1	0	1	0	154.028	2133.03	60.405	0.416	76.56075662
C462	167.51	4/13/2017 12:00	3.46	0	0.27	0	0	0	0	0	0	1	0	1	0	1	0	155.515	41.92	5.06	3.996	96.98109204
C464	119.39	4/13/2017 11:56	2.93	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	45.162	23.72	3.128	5.033	70.19224678
C464_1	376.55	4/13/2017 12:00	1.93	0.01	0.21	0	0	0	0	0	0	1	0	1	0	0.98	0	163.933	74.84	7.158	5.031	115.7781789
C465	574.15	4/13/2017 12:18	1.51	0.01	0.36	0	0	0	0	0	0	1	0	1	0	0.96	0	161.5	273.04	25.157	2.103	60.42854614
C467	130.41	4/13/2017 12:03	0.84	0.01	0.18	0	0	0	0	0	0	1	0	1	0	0	0	613.883	50.69	2.464	2.573	64.76241
C469	129.15	4/13/2017 12:01	2.12	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	104.627	43.69	7.472	2.956	53.3276691
C47	19.77	4/13/2017 12:06	0.41	0.01	0.3	0	0	0	0	0	0	1	0	1	0	1	0	212.517	6.37	1.005	3.104	60.52346661
C473	75.9	4/13/2017 12:12	0.61	0	0.17	0	0	0	0	0	0	1	0	1	0	0.9	0	291.179	47.1	2.716	1.611	76.73471091
C474	101.19	4/13/2017 11:57	5.09	0	0.04	0	0	0	0	0	0	1	0	0	1	0.95	0	43.211	31.22	3.218	3.241	35.13367867
C475	233.83	4/13/2017 12:00	1.49	0	0.36	0	0	0	0	0	0	1	0	1	0	1	0	114.445	46.02	4.611	5.081	231.3553719
C479	206.11	4/13/2017 12:01	3.39	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	94.051	50.35	6.582	4.094	74.32716241
C48	887.3	4/13/2017 12:52	3.36	0.04	0.24	0	0	0	0	0	0	1	0	1	0	0	0	159.136	2130.18	60.328	0.417	61.0197838
C480	129.85	4/13/2017 12:00	5.65	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	56.055	43.69	7.472	2.972	23.47391906
C481	195.91	4/13/2017 12:08	15.16	0.22	0.38	0	0	0	0	0	0	1	0	0	1	0	0	0	111.87	12.188	1.751	15.73255349
C482	32.02	4/13/2017 12:05	1.5	0	0.5	0	0.01	0.01	0.06	0.01	0.01	1	0	1	0	1	0	103.563	16.41	2.581	1.951	380.1235138
C483	13.82	4/13/2017 12:02	1.06	0	0.03	0	0	0	0	0	0	1	0	1	0	0.99	0	123.534	4.29	0	3.221	223.208074
C484	121.2	4/13/2017 12:00	2.77	0.01	0.12	0	0	0	0	0	0	1	0	1	0	0.94	0	123.695	29.92	3.863	4.051	14.28507887
C486	347.25	4/13/2017 11:57	4.64	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	66.435	69.44	6.079	5.001	96.37797001
C488	115.02	4/13/2017 12:00	1.53	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	146.087	38.77	3.874	2.967	66.80557611
C489	118.03	4/13/2017 12:02	0.64	0.01	0.35	0	0	0	0	0	0	1	0	1	0	1	0	319.921	34.29	1.802	3.442	84.35191237
C49	887.37	4/13/2017 12:51	3.44	0.08	0.34	0	0	0	0	0	0	1	0	1	0	0.26	0	180.981	2126.76	60.27	0.417	44.7390794
C493	238.76	4/13/2017 12:01	0.97	0	0.1	0	0	0	0	0	0	1	0	1	0	0	0	130.479	56.42	9.439	4.232	83.3960956
C494	124.4	4/13/2017 12:00	2.12	0	0.09	0	0	0	0	0	0	1	0	0.3	0.7	0.53	0	133.808	32.55	0.671	3.822	50.89834547
C497	195.85	4/13/2017 12:08	2.07	0	0.35	0	0	0	0	0	0	1	0	1	0	1	0	131.639	111.87	12.188	1.751	94.49768804
C498	198.97	4/13/2017 12:02	1.31	0	0.25	0	0	0	0	0	0	1	0	1	0	0.97	0	137.492	58.47	5.596	3.403	36.65949323
C499	334.77	4/13/2017 12:00	3.93	0	0.07	0	0	0	0	0	0	1	0	0.02	0.98	0.02	0	135.058	65.76	6.774	5.091	66.96488746

Conduits SWMM 10-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft³)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C5	4159.69	4/13/2017 13:57	5.95	0.04	0.49	0	0	0	0	0	0	1	0	1	0	0.82	0	216.019	890.28	40.185	4.672	151.7633282
C50	887.58	4/13/2017 12:51	3.64	0.03	0.26	0	0	0	0	0	0	1	0	1	0	0.85	0	171.712	2120.77	59.803	0.419	58.34894834
C502	365.74	4/13/2017 12:00	4.96	0	0.08	0	0	0	0	0	0	1	0	0.99	0.01	1	0	151.842	88.08	14.287	4.152	108.3753899
C504_1	146.01	4/13/2017 12:01	2.08	0	0.14	0	0	0	0	0	0	1	0	1	0	0.99	0	218.597	33.66	1.659	4.338	71.33095669
C504_2	125.99	4/13/2017 12:00	0.66	0.01	0.27	0	0	0	0	0	0	1	0	1	0	0.6	0	446.6	33.66	1.659	3.743	91.47987223
C505	90.82	4/13/2017 12:00	1.84	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	126.07	19.23	2.117	4.723	59.57647947
C506	281.14	4/13/2017 12:00	5.5	0.03	0.2	0	0	0	0	0	0	1	0	1	0	0.94	0	50.856	58.76	7.319	4.785	71.34460099
C507	19849.35	4/13/2017 14:30	7.7	0.1	0.34	0	0	0	0	0	0	1	0	1	0	0.06	0	349.623	5.04	0	3938.363	125.6145275
C51	887.48	4/13/2017 12:50	3.72	0.03	0.23	0	0	0	0	0	0	1	0	1	0	0.91	0	148.167	2113.44	59.649	0.42	69.13013338
C510	203.19	4/13/2017 12:00	20.86	0.29	0.38	0	0	0	0	0	0	1	0	0	1	0	0	0	39.87	3.574	5.096	28.20373075
C516	71.56	4/13/2017 11:55	1.21	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	53.269	13.01	1.687	5.5	76.93914614
C516_1	122.6	4/13/2017 12:18	8.86	0.56	0.63	0	0.01	0.01	0.01	1.07	0.01	1	0	0.65	0.35	0.89	0	0	67.92	5.397	1.805	21.55995503
C516_2	48.98	4/13/2017 12:11	0.74	0	0.23	0	0	0	0	0	0	1	0	1	0	1	0	159.383	20.48	2.44	2.392	138.7893971
C516_4	119.47	4/13/2017 12:27	0.91	0.01	0.5	0	0	0	0	0	0	1	0	1	0	1	0	494.701	67.92	5.397	1.759	200.5896403
C518	222.85	4/13/2017 12:00	1.6	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	97.795	42.83	7.169	5.203	36.76875809
C519	60.75	4/13/2017 12:01	1.11	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	235.534	20.78	2.51	2.923	239.9293318
C52	887.76	4/13/2017 12:49	6.51	0.01	0.14	0	0	0	0	0	0	1	0	1	0	0.58	0	78.951	2110.74	59.649	0.421	80.46036507
C524	128.77	4/13/2017 12:02	4	0	0.06	0	0	0	0	0	0	1	0	1	0	0	0	56.145	33.88	4.505	3.801	40.57091779
C53	19647.74	4/13/2017 14:54	8.03	0.47	0.77	0	0	0	0	0	0	1	0	1	0	0.8	0	341.029	676.02	38.467	29.064	255.6324535
C530	118.63	4/13/2017 12:01	4.77	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	56.72	40.66	6.974	2.918	69.33206449
C532	33.48	4/13/2017 12:06	2.27	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	30.588	21.38	1.725	1.566	106.7262773
C537	88.07	4/13/2017 12:01	3.12	0	0.04	0	0	0	0	0	0	1	0	0	0	0	0	75.634	19.23	2.117	4.58	146.0741518
C538	188	4/13/2017 12:00	4.14	0	0.04	0	0	0	0	0	0	1	0	0.99	0.01	1	0	90.149	37.53	0.235	5.009	35.09518652
C540	314.65	4/13/2017 12:00	4.21	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	113.767	61.37	6.774	5.127	39.51517887
C543	115.82	4/13/2017 12:00	7.6	0	0.05	0	0	0	0	0	0	1	0	0.39	0.61	0.17	0	18.816	36.15	1.864	3.204	46.99171082
C546	21.87	4/13/2017 12:05	1.23	0	0.08	0	0	0	0	0	0	1	0	1	0	0.03	0	115.145	24.45	2.144	0.894	56.60486786
C548	30.73	4/13/2017 12:17	3.39	0	0.08	0	0	0	0	0	0	1	0	1	0	0.02	0	23.968	20.49	0.368	1.5	58.69268694
C55	882.98	4/13/2017 12:49	3.33	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	182.334	2097.12	59.175	0.421	52.11268276
C551	3.19	4/13/2017 11:55	0.69	0	0.01	0	0	0	0	0	0	1	0	1	0	0.99	0	41.932	684.31	38.899	0.005	97.86119837
C555	118.52	4/13/2017 12:02	1.36	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	141.331	38.17	1.47	3.105	42.44150584
C556	2.9	4/13/2017 11:57	0.84	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	0	684.31	38.899	0.004	17.74305044
C557	487.12	4/13/2017 12:03	3.95	0.01	0.15	0	0	0	0	0	0	1	0	1	0	0.04	0	163.023	215.1	18.123	2.265	89.16588522
C558	27.68	4/13/2017 12:06	1.11	0	0.06	0	0	0	0	0	0	1	0	1	0	0	0	123.844	20.75	1.168	1.334	306.9515064
C56	29011.52	4/13/2017 15:09	8.78	0.03	0.21	0	0	0	0	0	0	1	0	1	0	0.5	0	481.361	1433.62	99.695	20.237	119.8122801
C561	104.89	4/13/2017 12:02	3.45	0	0.07	0	0	0	0	0	0	1	0	0	1	0	0	115.953	30.83	1.802	3.402	74.17230942
C562	4175.09	4/13/2017 13:51	5.35	0.21	0.98	0	0.01	0.01	1.57	1.76	0.01	1	0	1	0	0	0	0	802.92	36.077	5.2	26.12980272
C563	281.92	4/13/2017 11:58	8.05	0	0.03	0	0	0	0	0	0	1	0	0	1	0.02	0	46.069	58.76	7.319	4.798	58.64910166
C565	38.33	4/13/2017 12:00	0.99	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	95.744	15.44	0.684	2.483	208.316227
C568	101.67	4/13/2017 11:56	4.39	0	0.05	0	0	0	0	0	0	1	0	0.98	0.02	0.99	0	46.324	31.22	3.218	3.257	132.5070747
C57	879.97	4/13/2017 12:48	3.83	0.02	0.17	0	0	0	0	0	0	1	0	1	0	0	0	184.204	2079.64	58.53	0.423	153.8606882
C571	47.7	4/13/2017 12:25	0.19	0	0.16	0	0	0	0	0	0	1	0	1	0	0	0	170.357	46.97	3.062	1.016	59.53609066
C573	97.08	4/13/2017 12:02	1.17	0.01	0.11	0	0	0	0	0	0	1	0	1	0	1	0	153.685	27.25	2.408	3.563	256.8617972
C575_1	141.56	4/13/2017 12:00	1.39	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	79.715	30.75	3.806	4.604	60.29695914
C575_3	188.5	4/13/2017 12:01	10.78	0.57	0.59	0	0.01	0.01	0.01	0.32	0.01	1	0	0	1	0	0	0	45.91	6.038	4.106	20.17222209
C575_4	188.47	4/13/2017 12:02	5.13	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	63.873	45.91	6.038	4.105	40.24326432
C577	124.18	4/13/2017 12:00	0.84	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	427.519	28.37	1.711	4.377	109.1849166
C58	872.86	4/13/2017 12:46	5.68	0.01	0.2	0	0	0	0	0	0	1	0	1	0	0	0	68.471	2043.21	57.208	0.427	152.3775871
C580_1	138.88	4/13/2017 11:56	3.13	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	62.373	26.27	2.992	5.287	151.6202521
C580_2	422.34	4/13/2017 12:02	5.72	0.01	0.11	0	0	0	0	0	0	1	0	0.97	0.03	0.93	0	87.744	195.8	16.616	2.157	20.2965832
C581	325.23	4/13/2017 12:00	10.78	0	0.09	0	0	0	0	0	0	1	0	0	1	0	0	71.868	79.29	13.518	4.102	89.33854106
C582	49.8	4/13/2017 12:07	2.29	0	0.13	0	0	0	0	0	0	1	0	0.11	0.89	0.05	0	91.573	20.48	2.44	2.432	60.6027071
C587	270.92	4/13/2017 12:04	7.84	1.15	0.9	0	0.01	0.81	0.01	0.61	0.01	1	0	0.87	0.13	0	0	0	243.55	22.026	1.112	12.78600265
C588	16.46	4/13/2017 11:55	2.04	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	16.473	2.87	0.718	5.735	77.87945972
C588MAS	174.1	4/13/2017 12:00	7.66	0	0.06	0	0	0	0	0	0	1	0	0.91	0.09	0	0	35.999	33.5	4.922	5.197	77.87945972
C59	19.02	4/13/2017 12:00	0.32	0	0.26	0	0	0	0	0	0	1	0	1	0	1	0	151.602	4.72	0.099	4.03	174.5313613
C59_1	853.95	4/13/2017 12:42	6.27	0.01	0.16	0	0	0	0	0	0	1	0	0.05	0.95	0.02	0	120.705	1990.45	52.764	0.429	76.87332412
C59_2	869.58	4/13/2017 12:43	2.56	0.01	0.23	0	0	0	0	0	0	1	0	1	0	0.96	0	175.88	2022.3	56.056	0.43	73.66572095
C590	103.63	4/13/2017 12:02	4.81	0	0.08	0	0	0	0	0	0	1	0	0.01	0.99	0	0	50.617	36.12	5.958	2.869	74.80070063
C591	63.56	4/13/2017 12:06	1.66	0	0.04	0	0	0	0	0	0	1	0	1	0	0.99	0	121.679	18.35	0.87	3.464	185.2689708
C592	113.74	4/13/2017 12:00	2.46	0	0.02	0	0	0	0	0	0	1.27	0	1	0	1	0	151.679	24.9	1.641	4.568	169.889491
C593	1504.87	4/13/2017 12:53	11.79	2.47	1	0	1.93	3.28	1.93	5.8	1.93	1	0	1	0	0	0.01	0	643.06	25.39	2.34	17.0160706
C596	106.84	4/13/2017 12:00	0.65	0	0.22	0	0	0	0	0	0	1	0	1	0	0.9	0	285.054	24.44	3.427	4.372	15.54866378
C6	4165.91	4/13/2017 13:56	6.57	0.13	0.45	0	0	0	0	0	0	1	0	1	0	0.75	0	170.043	890.28	40.185	4.679	115.8627024
C60	27713.23	4/13/2017 15:12	9.66	6.32	0.67	0	0.01	0.01	0.01	6.17	0.01	1	0	1	0	0	0	338.973	1392.7	96.443	19.899	205.217882
C604	33.72	4/13/2017 13:46	11.47	0.15	0.28	0	0	0	0	0	0	1	0	0	1	0	0	0	90.66	5.859	0.372	14.81044054
C605	118.69	4/13/2017 12:00	2.1	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	105.459	27.47	3.808	4.321	107.7632645
C606	98.22	4/13/2017 12:02	3.67	0	0.06	0	0	0	0	0	0	1	0	0.99	0.01	0	0	70.76	28.25	1.341	3.477	69.69101076
C607MAS	39.05	4/13/2017 12:00	1.7	0	0.05	0	0	0	0	0	0	1	0	1	0	0.99	0	99.182	16.41	2.581	2.38	159.0629574
C61	821.59	4/13/2017 12:34	2.16	0.01	0.25	0	0	0	0	0	0	1	0	1	0	1	0	207.964	1907.07	47.333	0.431	258.2008188
C611	53.54	4/13/2017 12:00	1.49	0	0.33	0	0	0	0	0	0	1	0	1	0	1	0	468.503	16.81	3.111	3.185	146.5479538

Conduits SWMM 10-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft³)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C613	240.54	4/13/2017 11:57	5.32	0	0.05	0	0	0	0	0	0	1.05	0	0.99	0.01	1	0	67.404	50.69	6.821	4.745	42.5319525
C614	637.47	4/13/2017 12:03	2.42	0	0.15	0	0	0	0	0	0	1	0	0.27	0.73	0.29	0	168.615	248.91	22.713	2.561	15.71248359
C615	77.12	4/13/2017 12:01	3.07	0	0.04	0	0	0	0	0	0	1	0	0.99	0.01	0.68	0	92.88	24.07	1.511	3.204	224.7011569
C619	114.59	4/13/2017 12:06	1.52	0	0.19	0	0	0	0	0	0	1	0	1	0	1	0	97.527	43.7	2.65	2.622	127.091437
C62	81.23	4/13/2017 12:09	1.95	0	0.02	0	0	0	0	0	0	1	0	1	0	0.01	0	132.975	25.09	1.179	3.238	45.78873398
C62_1	19800.58	4/13/2017 14:49	7.8	0.24	0.6	0	0	0	0	0	0	1	0	1	0	0.7	0	527.941	647.82	37.727	30.565	314.4870404
C62_2	19664.57	4/13/2017 14:56	8.68	0.73	0.58	0	0	0	0	0	0	1	0	1	0	0	0	515.363	674.15	38.21	29.169	172.6441228
C621	170.02	4/13/2017 12:00	4.39	0	0.04	0	0	0	0	0	0	1	0	0.97	0.03	0.99	0	91.183	33.64	0.205	5.054	102.1045761
C622	81.61	4/13/2017 12:02	3.33	0	0.06	0	0	0	0	0	0	1	0	0.99	0.01	0.9	0	77.676	21.65	0	3.77	154.9477958
C623	67.44	4/13/2017 12:03	3.62	0	0.04	0	0	0	0	0	0	1	0	0.98	0.02	0.29	0	56.348	18.35	0.87	3.675	40.59839503
C627	160.8	4/13/2017 12:02	1.47	0.01	0.09	0	0	0	0	0	0	1	0	1	0	0.86	0	250.788	44.22	0.646	3.636	49.09114328
C63	142.31	4/13/2017 11:56	8.82	0.19	0.45	0	0	0	0	0	0	1	0	0	1	0	0.99	0	50.69	6.821	2.807	16.59619899
C630	153.92	4/13/2017 11:57	2.84	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	110.737	29.05	2.632	5.298	114.2815786
C631	89.04	4/13/2017 12:00	4.4	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	56.68	23	2.1	3.871	67.41168951
C632	98.54	4/13/2017 12:01	3.23	0.01	0.18	0	0	0	0	0	0	1	0	0.11	0.89	0.12	0	78.762	28.25	1.341	3.488	19.22618172
C638	74	4/13/2017 11:59	0.79	0	0.43	0	0	0	0	0	0	1	0	1	0	0.78	0	245.366	32.1	1.839	2.305	49.85429472
C639	62.58	4/13/2017 11:55	6.32	0	0.04	0	0	0	0	0	0	1	0	0.88	0.12	1	0	14.866	12.95	0.935	4.832	60.7477224
C64	188.24	4/13/2017 12:02	3.09	0.03	0.22	0	0	0	0	0	0	1	0	1	0	0	0	77.816	177.14	7.223	1.063	52.53462319
C640	66.9	4/13/2017 11:55	3.06	0	0.06	0	0	0	0	0	0	1	0	0.13	0.87	0.1	0	53.156	24.67	2.91	2.712	77.60977183
C642	102.53	4/13/2017 12:00	2.69	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	133.963	23.57	3.483	4.35	24.95127923
C648	82.98	4/13/2017 12:00	3.26	0.01	0.12	0	0	0	0	0	0	1	0	1	0	0.91	0	49.921	21.65	0	3.833	19.59420833
C65	19816.96	4/13/2017 14:48	5.68	0.14	0.52	0	0	0	0	0	0	1	0	1	0	0.45	0	446.639	647.82	37.727	30.59	83.50623791
C650	126.94	4/13/2017 12:00	2.6	0	0.08	0	0	0	0	0	0	1	0	1	0	0.99	0	177.373	28.92	1.421	4.389	139.5711629
C652	158.37	4/13/2017 12:00	2.01	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	49.75	31.11	1.867	5.091	139.1977048
C653	33.25	4/13/2017 12:23	2.49	0	0.05	0	0	0	0	0	0	1	0	0.1	0.9	0.03	0	66.146	26.74	2.315	1.243	149.4372706
C655	40.36	4/13/2017 12:10	0.43	0	0.31	0	0	0	0	0	0	1	0	1	0	0.51	0	446.862	7.82	0.952	5.161	64.6524249
C656	39.48	4/13/2017 12:01	0.23	0	0.54	0	0.01	0.01	2.55	0.01	0.01	1	0	1	0	1	0	407.068	17.06	0.002	2.314	153.6927115
C658	107.02	4/13/2017 12:00	3.02	0	0.2	0	0	0	0	0	0	1	0	0.09	0.91	0.08	0	93.968	21.56	3.01	4.964	48.18653196
C66	165.86	4/13/2017 12:30	3.07	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	72.285	166.78	6.222	0.994	70.75172113
C663	46.64	4/13/2017 12:00	1.89	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	74.699	14.89	1.42	3.132	37.06898031
C664	154.55	4/13/2017 12:00	4.96	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	75.328	30.33	0.2	5.096	25.34246888
C665	76.34	4/13/2017 13:46	0.64	0	0.55	0	0.01	0.01	3.17	0.01	0.01	1	0	1	0	0.97	0	193.989	90.66	5.859	0.842	47.69626971
C666MAS	174.29	4/13/2017 11:59	3.29	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	79.356	33.5	4.922	5.203	59.1894643
C667	62.74	4/13/2017 11:55	5.66	0	0.07	0	0	0	0	0	0	1	0	0	1	0.05	0	25.621	12.95	0.935	4.845	15.91696794
C67	19823.39	4/13/2017 14:47	7.03	0.04	0.35	0	0	0	0	0	0	1	0	1	0	0.51	0	412.071	643.05	37.727	30.827	50.37565958
C670	248.8	4/13/2017 11:55	4.98	0	0.07	0	0	0	0	0	0	1	0	0.06	0.94	0.07	0	61.69	50.13	4.88	4.963	120.6191417
C675	581.9	4/13/2017 12:05	2.9	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	190.888	248.91	22.713	2.338	56.16276022
C677	18.07	4/13/2017 12:08	0.85	0	0.07	0	0	0	0	0	0	1	0	1	0	0.98	0	120.803	21.67	2.118	0.834	134.2030616
C679	24.72	4/13/2017 12:10	0.89	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	172.525	10.86	0.504	2.276	329.1234574
C68	19826.39	4/13/2017 14:47	7.14	0.11	0.51	0	0	0	0	0	0	1	0	1	0	0.49	0	400.451	634.58	37.727	31.243	17.04373128
C680	60.33	4/13/2017 12:28	8	0.51	0.53	0	0.01	0.01	0.01	0.34	0.01	1	0	0	1	0	0	0	51.58	3.371	1.17	18.14633933
C685	6.29	4/13/2017 13:10	5.38	0.94	0.72	0	0.01	0.69	0.01	0.01	0.01	1	0	0.05	0.95	0	0	0	15.82	0.944	0.398	14.5707176
C686	23.82	4/13/2017 12:01	1.17	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	88.343	10.55	1.001	2.258	310.3546065
C687	41.22	4/13/2017 13:32	6.72	1.65	0.78	0	0.01	11.94	0.01	15.65	0.01	1	0	0	1	0	0	0	1333.52	27.051	0.031	17.51307543
C688	69.76	4/13/2017 12:00	0.95	0	0.19	0	0	0	0	0	0	1	0	1	0	1	0	167.337	20.51	2.817	3.401	137.3731972
C69	0.39	4/13/2017 12:00	3.09	0.03	0.12	0	0	0	0	0	0	1	0	0	0	0	0	0	55.08	4.06	0.007	16.2613555
C69_1	118.56	4/13/2017 12:30	1.66	0.03	0.24	0	0	0	0	0	0	1	0	1	0	1	0	186.304	118.01	4.376	1.005	36.74297254
C69_2	161.11	4/13/2017 12:29	1.99	0.18	0.52	0	0	0	0	0	0	1	0	1	0	1	0	136.894	160.06	5.898	1.007	69.26440726
C693	55.99	4/13/2017 12:00	2.54	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	76.309	17.09	1.741	3.276	183.4072967
C696	187.27	4/13/2017 12:00	5.3	0	0.04	0	0	0	0	0	0	1	0	0.97	0.03	0.99	0	69.545	41.11	4.341	4.555	62.23656558
C697	117.97	4/13/2017 12:00	1.97	0.01	0.36	0	0	0	0	0	0	1	0	1	0	1	0	61.403	23.58	2.384	5.003	167.1623293
C7	4166.8	4/13/2017 13:56	7.8	0.08	0.46	0	0	0	0	0	0	1	0	1	0	0.74	0	157.06	890.28	40.185	4.68	29.0911221
C70	19839.53	4/13/2017 14:47	6.72	0.22	0.5	0	0	0	0	0	0	1	0	1	0	0	0	387.654	617.77	34.617	32.115	63.16339261
C701	19.28	4/13/2017 12:07	0.43	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	92.351	8.81	0	2.188	191.0507175
C705	72.86	4/13/2017 12:00	2.38	0	0.04	0	0	0	0	0	0	1	0	1	0	0.86	0	91.931	17.94	2.482	4.061	240.4514975
C709	33.34	4/13/2017 12:07	1.46	0	0.13	0	0	0	0	0	0	1	0	1	0	0.18	0	135.25	20.49	0.368	1.627	148.8004995
C71	14.25	4/13/2017 11:56	1.36	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	52.231	2.71	0.339	5.258	127.3681991
C71_1	9986.17	4/13/2017 15:54	8.47	0.92	0.87	0	0	0	0	0	0	1	0	1	0	0	0	213.747	638.61	50.638	15.637	33.81947739
C71_2	10005.28	4/13/2017 15:54	8.17	0.66	0.92	0	0	0	0	0	0	1	0	1	0	0.78	0	232.406	642.07	50.665	15.583	271.6305378
C71_5	10203.41	4/13/2017 15:51	7.87	0.75	0.99	0	0.01	0.01	0.6	0.01	0.01	1	0	1	0	0.43	0	265.976	716.68	57.976	14.237	119.7380623
C712	30.09	4/13/2017 12:12	1.9	0	0.15	0	0	0	0	0	0	1	0	1	0	0.01	0	93.503	11.6	1.712	2.594	79.57262322
C713	154.76	4/13/2017 11:56	5.33	0.01	0.09	0	0	0	0	0	0	1	0	0	1	0	0	81.168	29.05	2.632	5.327	64.38051066
C715	102.64	4/13/2017 12:00	6.27	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	57.702	23.57	3.483	4.355	51.44785567
C716	98.88	4/13/2017 12:01	3.52	0	0.05	0	0	0	0	0	0	1	0	0.98	0.02	1	0	86.245	28.25	1.341	3.5	63.7972595
C719	45.76	4/13/2017 12:00	0.8	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	81.518	10.6	1.475	4.317	107.8913053
C72	595.19	4/13/2017 12:31	4.01	0.01	0.14	0	0	0	0	0	0	1	0	1	0	0	0	75.028	1666.89	37.553	0.357	196.3314291
C721	134.24	4/13/2017 12:00	6.39	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	45.195	31.55	3.457	4.255	18.24416074
C722	59.25	4/13/2017 12:04	2.22	0	0.06	0	0	0	0	0	0	1	0	1	0	0.98	0	91.609	21.65	0.587	2.737	454.4580438
C723	11.68	4/13/2017 12:00	0.77	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	66.333	4.06	0.822	2.877	84.29907628
C726	136.26	4/13/2017 11:55	2.5	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	101.332	23.42	5.734	5.818	79.99594216

Conduits SWMM 10-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft³)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C728	75.74	4/13/2017 12:01	0.42	0	0.12	0	0	0	0	0	0	1	0	1	0	0.94	0	264.675	20.88	1.241	3.627	43.28864271
C73	9981.63	4/13/2017 15:54	6.97	0.18	0.52	0	0	0	0	0	0	1	0	1	0	0	0	271.69	635.39	50.168	15.709	38.58734161
C733	117.01	4/13/2017 11:56	0.58	0	0.28	0	0	0	0	0	0	1	0	1	0	1	0	194.836	21.53	2.292	5.435	135.2549052
C74	6.22	4/13/2017 12:07	0.48	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	133.471	2.5	0.116	2.488	542.9572043
C741	49.86	4/13/2017 12:00	2.56	0	0.05	0	0	0	0	0	0	1	0	0.04	0.96	0	0	67.685	13.41	0	3.718	23.03913121
C746	55.65	4/13/2017 12:09	11.94	0.56	0.63	0	0.01	0.68	0.01	0.01	0.01	1	0	0	1	0	0.97	0	21.13	1.299	2.634	13.64841276
C75	587.93	4/13/2017 12:29	2.97	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	99.123	1656.15	37.249	0.355	96.80584104
C750	245.12	4/13/2017 12:35	3.08	0.02	0.18	0	0	0	0	0	0	1	0	1	0	0.67	0	116.629	396.18	15.51	0.619	121.076197
C754	139.18	4/13/2017 12:00	6.68	0	0.07	0	0	0	0	0	0	1	0	0	1	0	0	40.254	26.88	2.741	5.178	92.25955331
C758	114.59	4/13/2017 12:00	7.63	0	0.04	0	0	0	0	0	0	1	0	0.84	0.16	0.99	0	18.978	23.3	0.765	4.918	86.23885994
C76	19848.88	4/13/2017 14:46	8.4	0.49	0.31	0	0	0	0	0	0	1	0	1	0	0	0	265.372	610.86	34.495	32.493	167.1829351
C761	31.22	4/13/2017 12:10	7.09	1.61	0.6	0	0.01	0.01	1.97	0.93	0.01	1	0	0.99	0.01	0	0	0	25.95	1.273	1.203	13.85043583
C765	136.67	4/13/2017 11:55	3.72	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	63.276	30.41	3.152	4.494	80.37628672
C769	74.7	4/13/2017 12:03	2.23	0.01	0.11	0	0	0	0	0	0	1	0	1	0	0.97	0	82.236	22.11	1.432	3.379	184.7060744
C77	19851.49	4/13/2017 14:46	11.87	0.05	0.32	0	0	0	0	0	0	1	0	1	0	0	0	246.522	606.05	34.471	32.756	30.52697529
C771	33.3	4/13/2017 12:23	8.19	0.53	0.57	0	0.01	0.86	0.01	0.01	0.01	1	0	0.01	0.99	0	0.94	0	26.74	2.315	1.245	24.01087647
C775MAS	153.54	4/13/2017 11:58	10.43	0	0.08	0	0	0	0	0	0	1	0	0	1	0	0	25.102	29.1	4.329	5.276	41.18222053
C776	61.38	4/13/2017 12:11	2.42	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	68.522	25.95	1.273	2.365	267.4841651
C779	69.29	4/13/2017 12:00	1.33	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	187.143	23.66	3.343	2.929	74.14352223
C78	6.14	4/13/2017 12:00	4.61	0.73	0.7	0	0	0	0	0	0	1	0	0	0	0	0	0	22.85	2.809	0.269	30.06723036
C781	134.42	4/13/2017 12:00	3.79	0	0.06	0	0	0	0	0	0	1	0	0.12	0.88	0.75	0	78.359	31.55	3.457	4.261	53.89135686
C784	67.58	4/13/2017 11:55	3.22	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	61.838	16.47	3.39	4.103	99.51844873
C788	81.41	4/13/2017 12:00	7.51	0	0.06	0	0	0	0	0	0	1.12	0	0.85	0.15	1	0	16.621	16.81	0.518	4.843	20.33593984
C79	18.44	4/13/2017 12:00	1.23	0	0.01	0	0	0	0	0	0	1	0	1	0	1	0	57.047	5.59	0.245	3.299	176.7474429
C79_1	9945.06	4/13/2017 15:49	5.36	0.03	0.48	0	0	0	0	0	0	1	0	1	0	0.5	0	359.872	576.72	45.012	17.244	43.87699036
C79_3	9949.55	4/13/2017 15:55	4.73	0.06	0.5	0	0	0	0	0	0	1	0	1	0	0.48	0	378.526	587.49	46.682	16.936	145.36948
C79_4	9972.92	4/13/2017 15:55	4.79	0.14	0.5	0	0	0	0	0	0	1	0	1	0	0	0	378.526	629.35	49.581	15.846	70.61364472
C791	22.84	4/13/2017 12:00	1.3	0	0.1	0	0	0	0	0	0	1	0	0.54	0.46	0.47	0	120.376	8.81	0	2.593	66.11004678
C793	130.24	4/13/2017 12:00	1.16	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	131.927	29.26	0.902	4.451	76.69836625
C794	113.76	4/13/2017 11:55	4.04	0	0.06	0	0	0	0	0	0	1	0	0.07	0.93	0.09	0	62.491	22.9	3.016	4.968	177.5778743
C797	75.08	4/13/2017 12:05	1.36	0	0.13	0	0	0	0	0	0	1	0	1	0	0.99	0	128.904	23.81	1.649	3.153	44.90686875
C798	78.82	4/13/2017 12:00	4.81	0	0.05	0	0	0	0	0	0	1	0	0.06	0.94	0.06	0	116.83	20.88	1.241	3.775	47.08289379
C8	67.57	4/13/2017 12:07	18.82	0.99	0.52	0	0	0	0	0	0	1	0	0	1	0.02	0	0	34.93	4.14	1.934	17.095144
C8_1	4173.06	4/13/2017 13:53	7.77	0.35	0.71	0	0	0	0	0	0	1	0	1	0	0.27	0	277.445	813.9	36.192	5.127	36.85981129
C8_2	4171.36	4/13/2017 13:54	7.05	0.31	0.78	0	0	0	0	0	0	1	0	0.57	0.43	0.02	0	312.19	821.84	36.593	5.076	31.78134411
C80	9945.79	4/13/2017 15:49	7.3	0.03	0.42	0	0	0	0	0	0	1	0	1	0	0.74	0	293.917	567.79	43.503	17.517	44.22866082
C800	100.06	4/13/2017 11:56	4.46	0	0.04	0	0	0	0	0	0	1	0	0.98	0.02	0.98	0	49.527	19.27	1.861	5.193	64.96543471
C801	75.25	4/13/2017 12:00	1.81	0	0.06	0	0	0	0	0	0	1	0	1	0	0.84	0	111.854	16.16	0.491	4.657	86.18158652
C803_1	105.85	4/13/2017 12:01	1.62	0	0.08	0	0	0	0	0	0	1	0	1	0	0.97	0	186.374	29.05	0	3.644	52.63209588
C803_2	114.54	4/13/2017 12:02	1.9	0	0.07	0	0	0	0	0	0	1	0	1	0	0.02	0	155.469	31.58	0	3.627	64.14222556
C804	105.31	4/13/2017 12:05	9.22	0.83	0.76	0	0.01	1.2	0.01	1.82	0.01	1	0	0	1	0	0	0	248.91	22.713	0.423	10.70950108
C805	579.28	4/13/2017 12:05	3.33	0.01	0.1	0	0	0	0	0	0	1	0	1	0	0.2	0	127.785	248.91	22.713	2.327	37.40322989
C806MAS	12.95	4/13/2017 12:27	0.75	0.04	0.31	0	0	0	0	0	0	1	0	1	0	1	0	79.733	23.2	1.538	0.558	42.22694182
C81	572.51	4/13/2017 12:27	1.1	0.01	0.25	0	0	0	0	0	0	1	0	1	0	0	0	233.713	1634.32	37.221	0.35	62.99315794
C813_3	92.36	4/13/2017 12:01	3.8	0	0.07	0	0	0	0	0	0	1	0	0.98	0.02	0.45	0	162.918	56.03	1.558	1.648	173.5877293
C814	31.67	4/13/2017 12:01	3.26	0	0.07	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	30.513	9.74	0.628	3.252	51.55633377
C815	609.27	4/13/2017 12:06	4.79	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	125.891	261.54	23.729	2.33	84.83102572
C816	37.36	4/13/2017 12:01	1.1	0	0.06	0	0	0	0	0	0	1	0	1	0	0.98	0	188.413	10.86	0.504	3.44	105.6493208
C818	99.09	4/13/2017 12:00	2.18	0	0.24	0	0	0	0	0	0	1	0	1	0	1	0	103.393	24.03	1.928	4.124	322.0625077
C82	577.11	4/13/2017 12:24	3.44	0	0.17	0	0	0	0	0	0	1	0	1	0	0.68	0	117.909	1631.31	37.221	0.354	58.82253788
C820	117.86	4/13/2017 12:03	1.7	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	124.137	43.7	2.65	2.697	129.2259887
C822	17.81	4/13/2017 12:00	1.19	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	54.38	5.06	0.36	3.52	69.13404574
C823	257.05	4/13/2017 12:03	14.52	0.55	0.58	0	0.01	0.01	0.01	0.36	0.01	1	0	0	1	0.93	0	0	63.56	10.581	4.044	22.91098573
C825	50.18	4/13/2017 12:00	1.79	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	120.836	10.66	0.917	4.707	77.31206094
C828	281.56	4/13/2017 11:59	1.73	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	114.894	58.76	7.319	4.792	94.16703722
C83	9946.36	4/13/2017 15:49	6.3	0.1	0.46	0	0	0	0	0	0	1	0	1	0	0	0	327.527	564.77	43.358	17.611	71.11675712
C831	52.98	4/13/2017 12:00	2.07	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	93.63	13.65	1.045	3.881	148.5818374
C836	37.13	4/13/2017 12:00	3.26	0	0.03	0	0	0	0	0	0	1	0	0.97	0.03	1	0	35.997	8.6	0.676	4.317	33.87235099
C837	52.64	4/13/2017 11:55	3.1	0	0.05	0	0	0	0	0	0	1	0	0.98	0.02	0.98	0	47.061	10.39	1.458	5.066	23.34305173
C84	19856.33	4/13/2017 14:45	9.46	0.03	0.25	0	0	0	0	0	0	1	0	1	0	0.41	0	290.468	590.85	33.302	33.606	37.22022296
C842	74.13	4/13/2017 12:07	0.58	0	0.15	0	0	0	0	0	0	1	0	1	0	0.98	0	177.23	11.39	0.027	6.508	48.37805664
C843	24.76	4/13/2017 12:00	0.83	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	90.235	6.37	1.005	3.887	72.39562982
C845	78.36	4/13/2017 12:00	2.53	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	76.793	16.43	2.104	4.769	25.64069993
C848	30.05	4/13/2017 12:00	0.9	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	121.188	7.23	0.48	4.156	46.22778412
C849	56.12	4/13/2017 12:00	3.72	0	0.1	0	0	0	0	0	0	1	0	0.18	0.82	0.15	0	57.834	16.9	1.499	3.321	164.8424756
C850	47.85	4/13/2017 12:00	1.9	0.02	0.18	0	0	0	0	0	0	1	0	1	0	0.12	0	58.411	18.65	0.003	2.566	45.89264765
C851	112.67	4/13/2017 12:00	5.82	0	0.03	0	0	0	0	0	0	1	0	0.95	0.05	0.98	0	38.373	27.67	3.165	4.072	40.96286426
C852	33.06	4/13/2017 12:03	1.1	0	0.12	0	0	0	0	0	0	1	0	1	0	0.99	0	187.447	10.43	0.387	3.17	35.79280502
C853	14.99	4/13/2017 12:00	0.25	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	132.648	3.82	0.425	3.924	75.10544523
C854	106.21	4/13/2017 12:00	1.92	0	0.09	0	0	0	0	0	0	1	0	1	0	0.64	0	98.07	20.69	2.265	5.133	62.63662263

Conduits SWMM 10-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C857	125.69	4/13/2017 11:55	2.02	0	0.22	0	0	0	0	0	0	1	0	1	0	1	0	86.98	23.52	2.333	5.344	88.05448694
C85MAS	17.82	4/13/2017 12:05	3.77	0.48	0.28	0	0.01	0.01	0.01	1.51	0.01	1	0	1	0	0	0	0	23.2	1.538	0.768	15.53931756
C86	7.43	4/13/2017 12:00	0.67	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	49.393	1.69	0.259	4.396	311.3119168
C860	110.42	4/13/2017 11:58	2.13	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	98.754	21.52	3.217	5.131	191.5616998
C861	65.53	4/13/2017 12:00	2.21	0	0.2	0	0	0	0	0	0	1	0	0.5	0.5	0.1	0	120.924	17.87	2.405	3.667	151.2040607
C865	20.3	4/13/2017 12:03	1.16	0	0.1	0	0	0	0	0	0	1	0	1	0	0	0	83.896	13.84	1.938	1.467	125.7208663
C866	104.4	4/13/2017 11:55	4.61	0	0.05	0	0	0	0	0	0	1	0	0.96	0.04	1	0	50.802	20.27	2.205	5.15	64.06397322
C867	44.54	4/13/2017 12:00	1.67	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	61.481	13.54	1.54	3.29	146.0239253
C869	82.46	4/13/2017 12:00	2.19	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	121.456	18.08	2.938	4.561	103.5736093
C87	508.48	4/13/2017 12:17	3.52	0.01	0.19	0	0	0	0	0	0	1	0	1	0	0.95	0	148.084	1582.22	34.77	0.321	78.81835307
C873	28820.47	4/13/2017 15:33	6.58	0.48	0.87	0	0	0	0	0	0	1	0	1	0	0.44	0	804.933	3578.82	274.491	8.053	31.11969299
C88	83.53	4/13/2017 11:59	8.26	0.36	0.48	0	0.01	0.01	0.01	0.15	0.01	1	0	0	0	0	0	0	58.76	7.319	1.422	14.99381957
C883	90.27	4/13/2017 12:00	5.1	0	0.03	0	0	0	0	0	0	1	0	0.98	0.02	1	0	32.321	20.99	2.324	4.301	87.51800942
C886MAS	123.51	4/13/2017 11:55	2.66	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	80.553	21.63	3.631	5.71	172.8516819
C89	126.85	4/13/2017 12:03	1.26	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	140.675	33.88	4.505	3.744	81.51231812
C890	77.9	4/13/2017 11:55	1.72	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	98.934	14.1	3.189	5.525	22.07789997
C892	72.96	4/13/2017 11:55	7.09	0	0.03	0	0	0	0	0	0	1	0	0	1	0.37	0	34.104	12.58	2.988	5.8	102.6053442
C893	65.56	4/13/2017 12:00	1.06	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	130.202	36.08	4.249	1.817	89.7687153
C897	92.49	4/13/2017 12:00	3.79	0	0.03	0	0	0	0	0	0	1	0	0	1	0.05	0	74.529	23.89	2.712	3.871	31.32735056
C898	57.93	4/13/2017 12:00	2.05	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	73.479	13.12	1.643	4.415	238.9279428
C899	79.49	4/13/2017 12:00	6.37	0	0.02	0	0	0	0	0	0	1	0	0	1	0	0	26.722	20.88	1.241	3.807	65.41270546
C9	28.4	4/13/2017 12:00	0.71	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	163.291	5.5	0.105	5.164	199.5783394
C9_1	4174.25	4/13/2017 13:52	6.31	0.41	0.67	0	0	0	0	0	0	1	0	1	0	0	0	270.335	802.92	36.077	5.199	212.1507806
C9_2	4173.61	4/13/2017 13:53	13.12	0.19	0.52	0	0	0	0	0	0	1	0	0.84	0.16	0.01	0	173.71	807.92	36.177	5.166	134.4117552
C90	379.49	4/13/2017 12:06	5.36	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	51.047	451.09	19.458	0.841	163.9934259
C903	107.17	4/13/2017 12:00	2.19	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	67.62	22.85	2.809	4.69	126.6669325
C905	116.88	4/13/2017 12:00	5.96	0	0.06	0	0	0	0	0	0	1	0	0.99	0.01	0.98	0	24.461	22.69	0.197	5.151	177.5096817
C907	30.23	4/13/2017 12:00	2.43	0	0.06	0	0	0	0	0	0	1	0	1	0	0.99	0	45.84	9.74	0.769	3.104	50.62426903
C908_1	200.78	4/13/2017 12:00	5.45	0	0.09	0	0	0	0	0	0	1	0	0.38	0.62	0.75	0	96.601	50.38	8.883	3.985	104.0323935
C908_2	236.34	4/13/2017 12:00	6.51	0	0.09	0	0	0	0	0	0	1	0	0	1	0.03	0	96.601	59.17	10.144	3.994	180.8873337
C909	54.19	4/13/2017 12:00	2.11	0	0.05	0	0	0	0	0	0	1	0	1	0	0.39	0	73.699	11.13	1.755	4.869	48.1947054
C91_1	9946.14	4/13/2017 15:48	9.21	0.07	0.41	0	0	0	0	0	0	1	0	1	0	0	0	238.617	544.64	41.247	18.262	26.74074459
C91_2	9946.32	4/13/2017 15:49	10.94	0.09	0.38	0	0	0	0	0	0	1	0	1	0	0.87	0	139.315	547.74	41.433	18.159	192.6465915
C911	65.44	4/13/2017 11:55	2.02	0.01	0.16	0	0	0	0	0	0	1	0	0.08	0.92	0.08	0	92.983	13.07	1.708	5.007	77.65919408
C914	19.48	4/13/2017 12:00	0.86	0	0.45	0	0	0	0	0	0	1	0	0.76	0	0.49	0	679.596	7.28	0	2.676	31.56641208
C92	19860.1	4/13/2017 14:44	7.43	0.08	0.29	0	0	0	0	0	0	1	0	1	0	0	0	312.728	570.08	31.912	34.837	236.7620029
C920	38.73	4/13/2017 12:03	2.29	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	56.71	9.61	0.626	4.03	111.046085
C922	69.09	4/13/2017 11:55	6.63	0	0.03	0	0	0	0	0	0	1	0	0.01	0.99	1	0	32.193	12.68	1.462	5.449	34.72606489
C929	58.02	4/13/2017 12:01	1.44	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	145.159	15.58	0.518	3.724	135.979726
C93	68.25	4/13/2017 12:05	2.01	0	0.06	0	0	0	0	0	0	1	0	1	0	0.98	0	115.505	24.07	1.511	2.835	197.1822112
C93_1	200.06	4/13/2017 12:03	10.33	0.3	0.5	0	0	0	0	0	0	1.49	0	0	1	0	0	0	102.56	13.732	1.951	17.0452216
C93_2	464.76	4/13/2017 12:03	5.61	0	0.27	0	0	0	0	0	0	1	0	1	0	1	0	68.921	113.07	16.258	4.11	66.89995112
C93_3MAS_1	17.81	4/13/2017 12:06	2.65	0.05	0.27	0	0	0	0	0	0	1	0	1	0	0.03	0	17.83	23.2	1.538	0.768	99.62865926
C93_3MAS_2	21.98	4/13/2017 12:01	2.65	0.06	0.3	0	0	0	0	0	0	1	0	1	0	1	0	18.146	24.3	1.614	0.905	91.77985398
C93_5MAS	21.93	4/13/2017 12:03	2.67	0.07	0.3	0	0	0	0	0	0	1	0	1	0	0	0	19.396	24.3	1.614	0.902	143.3590012
C93_6MAS	21.54	4/13/2017 12:06	1.06	0.05	0.36	0	0	0	0	0	0	1	0	1	0	1	0	51.908	24.3	1.614	0.886	57.50517318
C933	22.75	4/13/2017 12:02	0.54	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	233.381	8.43	0.289	2.699	57.00117545
C934	57.19	4/13/2017 12:00	2.5	0	0.05	0	0	0	0	0	0	1	0	0.33	0.67	0.33	0	66.181	17.55	0	3.259	209.3777292
C939	86.22	4/13/2017 11:56	4.73	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	46.407	15.96	2.793	5.402	54.80490735
C94	9946.27	4/13/2017 15:48	7.94	1.49	0.58	0	0.01	0.01	0.01	2.27	0.01	1	0	1	0	0	0	372.449	541.36	40.84	18.373	61.56457011
C941	16.21	4/13/2017 12:00	0.93	0	0.05	0	0	0	0	0	0	1	0	1	0	0.94	0	83.717	3.68	0.028	4.405	46.8575812
C943	70.8	4/13/2017 11:57	3.05	0	0.03	0	0	0	0	0	0	1	0	0.98	0.02	0	0	93.458	15.22	1.99	4.652	53.73973226
C944	102.84	4/13/2017 12:00	4.73	0	0.08	0	0	0	0	0	0	1	0	0	1	0.03	0	80.296	23.4	0.423	4.395	114.9072664
C946	69.28	4/13/2017 11:55	6.87	0	0.03	0	0	0	0	0	0	1.34	0	0	1	0.02	0	36.978	12.68	1.462	5.464	18.44568334
C948	91.57	4/13/2017 12:03	3.7	0	0.14	0	0	0	0	0	0	1	0	0.49	0.51	0	0	174.442	36.4	2.65	2.516	93.89677141
C949	67.65	4/13/2017 12:00	2.42	0	0.06	0	0	0	0	0	0	1	0	0.11	0.89	0.14	0	54.743	13.47	0.139	5.022	31.01541094
C95	9946.66	4/13/2017 15:47	8.54	0.06	0.33	0	0	0	0	0	0	1	0	1	0	0	0	172.671	520.27	38.604	19.118	62.59536402
C950	30.59	4/13/2017 12:00	1.48	0	0.24	0	0	0	0	0	0	1	0	0.55	0.45	1	0	77.371	6.3	0.113	4.856	129.2103949
C955	16.42	4/13/2017 12:00	0.21	0	0.26	0	0	0	0	0	0	1	0	1	0	1	0	162.907	9.19	0	1.787	83.24175412
C957	123.52	4/13/2017 12:00	1.61	0	0.41	0	0	0	0	0	0	1	0	1	0	1	0	102.848	24.92	4.049	4.957	140.5751249
C96	378.23	4/13/2017 12:04	2.81	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	106.177	448.01	19.458	0.844	153.9352316
C961	29.64	4/13/2017 12:00	2.42	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	29.765	7.85	0.79	3.776	52.84022058
C962	42.96	4/13/2017 11:55	6.98	0	0.05	0	0	0	0	0	0	1	0	0.02	0.98	0.22	0	13.561	7.51	1.281	5.72	35.83843174
C963	62.7	4/13/2017 12:00	1.55	0	0.07	0	0	0	0	0	0	1	0	1	0	0.98	0	126.593	15.03	1.204	4.172	124.925283
C968	27.42	4/13/2017 12:00	1.45	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	54.178	7.6	1.175	3.608	16.89476764
C97	19862.86	4/13/2017 14:44	5.77	0.07	0.43	0	0	0	0	0	0	1	0	1	0	0.19	0	322.203	562.76	31.826	35.295	85.61981463
C972	22.26	4/13/2017 12:00	2.25	0	0.04	0	0	0	0	0	0	1	0	0.99	0.01	0.98	0	81.541	11.05	0.002	2.014	46.0081208
C973	33.19	4/13/2017 12:00	1.76	0	0.04	0	0	0	0	0	0	1	0	1	0	0.19	0	87.279	9.74	0.628	3.408	114.5584369
C975	63.93	4/13/2017 12:00	4.6	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	36.563	13.23	1.247	4.832	145.556902
C977	21.12	4/13/2017 12:00	3.65	0	0.05	0	0	0	0	0	0	1	0	0.98	0.02	1	0	35.574	5.49	0.545	3.847	21.44104946

Conduits SWMM 10-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C98	449.69	4/13/2017 12:17	7.76	0.01	0.12	0	0	0	0	0	0	1	0	1	0	0	0	28.825	1527.47	32.968	0.294	150.8968432
C980_2MAS	13.3	4/13/2017 12:24	1.63	0.02	0.17	0	0	0	0	0	0	1	0	0.04	0	0.99	0	56.917	17.81	0.868	0.747	30.24495884
C981_2	25.77	4/13/2017 12:17	5.03	0	0.03	0	0	0	0	0	0	1	0	0	1	0.01	0	24.087	10.81	1.784	2.384	47.98551127
C981_3	62.53	4/13/2017 11:55	1.75	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	99.603	10.81	1.784	5.784	129.3845525
C981_4	25.8	4/13/2017 12:17	9.05	0.57	0.6	0	0.01	0.21	0.01	0.01	0.01	1	0	0	1	0	0	0	10.81	1.784	2.387	19.7615568
C99	34.9	4/13/2017 12:00	1.04	0	0.08	0	0	0	0	0	0	1	0	1	0	0.17	0	131.622	9.24	0	3.777	92.12405932
C991_2MAS	19.22	4/13/2017 12:00	1.78	0	0.1	0	0	0	0	0	0	1	0	0.06	0.94	0.06	0	84.242	11.33	1.773	1.696	106.4960688
C991MAS	4.32	4/13/2017 12:00	0.82	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	48.027	8	1.566	0.54	138.1076954
C992	46.57	4/13/2017 12:00	1.58	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	63.898	10.48	0	4.444	213.0927174
grof_100_11	44	4/13/2017 12:00	7.76	0.01	0.16	0	0	0	0	0	0	1	0.99	0	0	0	0	42.756	19.6	1.215	2.245	31.79016866
grof_100_12	73.27	4/13/2017 12:00	2.4	0.07	0.3	0	0	0	0	0	0	1	0.95	0	0	0	0	145.564	22.67	1.802	3.232	30.99935503
grof_100_3	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	2.03	1	0	0	0	0	0	86.23	7.185	0	40.63487806
grof_100_5	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.62	1	0	0	0	0	0	11.76	2.888	0	44.06076848
grof_100_6	32.97	4/13/2017 12:06	5.66	0	0.02	0	0	0	0	0	0	3.27	0.97	0	0	0	0	111.764	29.04	4.497	1.135	22.46221329
grof_100_7	111.36	4/13/2017 11:59	10.21	0	0.03	0	0	0	0	0	0	1.66	0.99	0	0	0	0	70.721	32.49	4.147	3.428	49.31436527
grof_100_8	36.23	4/13/2017 11:58	4.99	0	0.04	0	0	0	0	0	0	1	0.99	0	0	0	0	102.863	14	1.461	2.588	33.32252993
grof_100_9	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.85	1	0	0	0	0	0	17.86	1.982	0	26.3112352
GROF100	395.65	4/13/2017 12:01	7.77	0	0.06	0	0	0	0	0	0	1.17	0.95	0	0	0	0	102.04	117.17	9.563	3.377	23.32095192
GROF101	2.15	4/13/2017 12:00	3.85	0	0.01	0	0	0	0	0	0	1.36	1	0	0	0	0	14.513	18.97	1.818	0.113	24.35774472
GROF103	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	34.93	4.14	0	27.84783669
GROF104	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	57.85	5.703	0	37.26826934
GROF105	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	60.86	5.884	0	39.91482077
GROF106	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	23.9	1.737	0	25.52975535
GROF107	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	29.58	2.195	0	23.0218893
GROF108	0.83	4/13/2017 12:12	1.38	0	0.02	0	0	0	0	0	0	1	1	0	0	0	0	16.141	212.48	20.186	0.004	63.79575108
GROF109	150.37	4/13/2017 12:09	10.1	0	0.08	0	0	0	0	0	0	1	0.95	0	0	0	0	38.396	263.68	23.114	0.57	53.33253292
GROF11	2676.52	4/13/2017 13:42	20.64	0.2	0.5	0	0	0	0	0	0	1	0.88	0	0	0	0	54.304	643.06	25.39	4.162	26.58112958
GROF110	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	343.83	26.264	0	23.5722879
GROF112	47.81	4/13/2017 12:00	3.83	0	0.02	0	0	0	0	0	0	1.38	0.98	0	0	0	0	78.157	17.88	0.594	2.674	37.63622909
GROF113	132.17	4/13/2017 12:00	6.1	0.01	0.06	0	0	0	0	0	0	1	0.95	0	0	0	0	124.014	46.78	2.133	2.825	24.33568357
GROF114	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	26.52	5.878	0	24.33227358
GROF12	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.85	1	0	0	0	0	0	90.66	5.859	0	26.34268656
GROF13	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.27	1	0	0	0	0	0	51.58	3.371	0	27.98119459
GROF14	32.98	4/13/2017 12:08	2.12	0	0.09	0	0	0	0	0	0	1	0.96	0	0	0	0	38.466	25.95	1.273	1.271	26.56790245
GROF15	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	802.92	36.077	0	49.77436053
GROF16	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	684.31	38.899	0	32.83322275
GROF17	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	61.67	3.56	0	19.10430842
GROF200	144.61	4/13/2017 12:00	7.34	0.02	0.13	0	0	0	0	0	0	1	0.95	0	0	0	0	63.84	97.57	10.384	1.482	38.72120345
GROF21	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	15.82	0.944	0	21.73831212
GROF22	113.65	4/13/2017 13:32	6.54	0.04	0.34	0	0	0	0	0	0	1	0.77	0	0	0	0	56.756	1333.52	27.051	0.085	38.19960761
GROF25	53.73	4/13/2017 12:04	8.65	0	0.1	0	0	0	0	0	0	1	0.98	0	0	0	0	30.198	50.9	4.137	1.056	21.66067044
GROF26	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	21.19	2.268	0	29.16477628
GROF27	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.83	1	0	0	0	0	0	111.87	12.188	0	26.37475642
GROF28	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.96	1	0	0	0	0	0	42.37	4.096	0	22.89502536
GROF29	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	79.83	8.432	0	34.53238167
GROF3	3455.23	4/13/2017 13:31	10.42	0.06	0.31	0	0	0	0	0	0	1	0.82	0	0	0	0	128.716	38.45	1.048	89.863	29.73111315
GROF31	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	15.54	1.258	0	25.0800392
GROF32	0	4/13/2017 0:00	0	0	0.03	0	0	0	0	0	0	2.95	0.98	0	0	0	0	112.922	120.91	18.56	0	32.50097966
GROF33	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	2.48	1	0	0	0	0	0	105.77	10.988	0	24.34145594
GROF34	231.91	4/13/2017 12:03	9.3	0.02	0.22	0	0	0	0	0	0	1	0.98	0	0	0	0	61.252	102.56	13.732	2.261	25.07889538
GROF37	197.93	4/13/2017 11:59	14.07	0.03	0.26	0	0	0	0	0	0	1	0.97	0	0	0	0	31.408	58.76	7.319	3.368	23.49688833
GROF38	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	5.35	1	0	0	0	0	0	39.87	3.574	0	44.79291628
GROF39	35374.82	4/13/2017 15:16	9.97	0.11	0.77	0	0	0	0	0	0	1	0	0.5	0.01	0	0	520.523	1458.2	102.249	24.259	40.98229972
GROF4	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	396.18	15.51	0	28.56362081
GROF40	279.16	4/13/2017 12:13	4.87	0	0.06	0	0	0	0	0	0	1	0.98	0	0	0	0	230.538	557.95	64.942	0.5	42.10541207
GROF42	115.97	4/13/2017 12:02	8.99	0	0.04	0	0	0	0	0	0	1.57	0.99	0	0	0	0	44.427	104.93	20.288	1.105	35.94882395
GROF43	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	90.95	17.282	0	46.55860358
GROF44	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	3.64	1	0	0	0	0	0	63.56	10.581	0	48.86384284
GROF45	27.97	4/13/2017 11:55	4.43	0	0.07	0	0	0	0	0	0	1	0.99	0	0	0	0	48.254	9.01	1.501	3.104	36.24614916
GROF46	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	2.1	1	0	0	0	0	0	6.1	1.352	0	76.33486615
GROF47	0.14	4/13/2017 12:20	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	273.04	25.157	0.001	30.46401274
GROF48	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.79	1	0	0	0	0	0	169.53	13.624	0	38.81768901
GROF49	65.76	4/13/2017 12:00	7.78	0.01	0.09	0	0	0	0	0	0	1	0	0	0	0	0	47.481	55.08	4.06	1.194	41.3077958
GROF5	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	381.42	14.371	0	30.0212102
GROF50	24.06	4/13/2017 12:23	4.69	0	0.1	0	0	0	0	0	0	1	0.95	0	0	0	0	43.75	32.1	1.839	0.75	22.91365506
GROF51	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.01	1	0	0	0	0	0	61.04	5.874	0	35.12527079
GROF52	12.41	4/13/2017 12:00	1.48	0	0.01	0	0	0	0	0	0	1	0.99	0	0	0	0	123.588	12.26	1.413	1.012	24.47602966
GROF53	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	12.26	1.413	0	29.88875791
GROF54	4.97	4/13/2017 12:23	1.63	0.01	0.15	0	0	0	0	0	0	1	0.96	0	0	0	0	34.999	11.35	0.809	0.438	25.4148865
GROF55	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.35	0.809	0	17.70310007

Conduits SWMM 10-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
GROF56	1.79	4/13/2017 12:58	1.91	0	0.08	0	0	0	0	0	0	1	0.88	0	0	0	0	16.538	11.35	0.809	0.158	32.72981806
GROF58	135.61	4/13/2017 12:03	12.35	0.01	0.14	0	0	0	0	0	0	1	0.97	0	0	0	0	26.879	219.11	18.599	0.619	28.23107325
GROF59	296.68	4/13/2017 12:04	3.57	0	0.27	0	0	0	0	0	0	1.78	0	0.04	0	0.5	0	135.077	243.55	22.026	1.218	37.21733813
GROF6	14.36	4/13/2017 12:05	3.21	0	0.08	0	0	0	0	0	0	1	0.99	0	0	0	0	33.893	21.13	1.299	0.68	24.45744047
GROF60	258.38	4/13/2017 12:05	10.17	0.09	0.47	0	0	0	0	0	0	1	0.96	0	0	0	0	97.534	248.91	22.713	1.038	36.94398192
GROF61	474.85	4/13/2017 12:05	9.97	0	0.1	0	0	0	0	0	0	1.57	0.92	0	0	0	0	101.567	248.91	22.713	1.908	22.82298504
GROF63	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	2.57	1	0	0	0	0	0	101.24	8.943	0	32.53140549
GROF64	11.15	4/13/2017 12:02	2.93	0.01	0.19	0	0	0	0	0	0	1	0.99	0	0	0	0	25.423	13.01	1.687	0.857	35.33344707
GROF65	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	3.12	1	0	0	0	0	0	8.01	0.953	0	28.344948
GROF66	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	45.91	6.038	0	48.64403844
GROF67	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.35	1	0	0	0	0	0	25.46	3.457	0	42.11318395
GROF68	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.64	1.097	0	29.93544523
GROF69	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	10.81	1.784	0	31.54731873
GROF70	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.64	1.097	0	38.36083324
GROF75	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	133.47	8.332	0	37.05568049
GROF76	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	77.13	4.449	0	34.8249025
GROF79	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	29.26	0.902	0	33.29647985
GROF80	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	30.38	2.581	0	38.98485539
GROF81	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	6.37	1.005	0	31.50725701
GROF82	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.6	1.712	0	33.12023577
GROF83	16.02	4/13/2017 13:23	2.55	0	0.04	0	0	0	0	0	0	1	0.95	0	0	0	0	217.691	123.84	10.356	0.129	55.57563919
GROF84	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	67.92	5.397	0	49.88201729
GROF87	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	20.48	2.44	0	25.02295052
GROF88	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	17.87	2.405	0	26.05383436
GROF89	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	41.53	2.987	0	40.54833597
GROF90	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	23.2	1.538	0	24.81557939
GROF95	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	30.78	1.792	0	25.78363117
GROF96	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	26.74	2.315	0	37.2975681
MASC13	25.42	4/13/2017 11:55	2.64	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	45.989	5.03	1.027	5.054	85.52389101
MASC14_1	38.81	4/13/2017 11:55	9.36	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	20.124	8	1.566	4.851	115.1505193
MASC14_3	70.75	4/13/2017 11:55	6.05	0	0.05	0	0	0	0	0	0	1	0	0	1	1	0	43.466	13.83	3.044	5.116	126.8077537
MASC14_4	69.29	4/13/2017 11:57	4.14	0	0.08	0	0	0	0	0	0	1	0	0.96	0.04	1	0	67.781	13.83	3.044	5.01	162.4481157
MASC231_1	9.88	4/13/2017 11:55	1.24	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	20.546	1.92	0.307	5.146	38.72611549
MASC231_2	22.03	4/13/2017 12:00	1.08	0.02	0.33	0	0	0	0	0	0	1	0	1	0	1	0	35.01	4.31	0.446	5.111	63.31490564
MASC231_3	15.64	4/13/2017 12:01	5.89	1.14	0.93	0	0.01	0.71	0.01	0.47	0.01	1	0	0.98	0.02	0.87	0	0	7.96	0.533	1.965	9.583708341
MASC231_4	40.93	4/13/2017 12:00	1.02	0.05	0.46	0	0	0	0	0	0	1	0	1	0	0.03	0	57.804	7.96	0.533	5.142	53.09833665
MASC231_5	27.23	4/13/2017 12:00	1.76	0.02	0.3	0	0	0	0	0	0	1	0	1	0	0.92	0	29.978	10.44	0.652	2.608	34.08031077
MASC231_7	35.88	4/13/2017 12:00	2.31	0.03	0.47	0	0	0	0	0	0	1	0	1	0	0.84	0	58.565	12.31	0.763	2.915	38.01694486
MASC311	19.01	4/13/2017 12:00	1.79	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	42.194	4.74	0.478	4.011	80.20600313
MASC440_2	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	4013.66	315.389	0	21.42366419
MASC440_3	30390.95	4/13/2017 15:21	12.55	0.05	0.49	0	0	0	0	0	0	1	0	1	0	0.44	0	390.109	4043.09	317.678	7.517	91.46352853
MASC440_4	32825.72	4/13/2017 15:04	7.61	0.14	0.8	0	0.01	0.01	1.27	0.01	0.01	1	0	1	0	0.74	0	554.893	4030.57	317.402	8.144	118.4251605
MASC93_1	439.73	4/13/2017 12:03	8.81	0.03	0.22	0	0	0	0	0	0	1	0	0.97	0.03	0.94	0	38.881	115.15	18.17	3.819	133.3585878
MASC93_3	447.39	4/13/2017 12:04	3.06	0.01	0.44	0	0	0	0	0	0	1	0	1	0	0.95	0	421.97	118.64	19.182	3.771	127.3538214
MASC93_4	5572.87	4/13/2017 14:41	4.87	0.01	0.56	0	0	0	0	0	0	1	0	0.99	0.01	0.73	0	843.193	129.67	21.599	42.977	79.90261786
MASC931	476.46	4/13/2017 12:03	6.34	0.04	0.22	0	0	0	0	0	0	1	0	1	0	0	0	41.613	116.75	17.391	4.081	59.11639708
MASC932	76.66	4/13/2017 12:03	5.37	0.05	0.28	0	0	0	0	0	0	1	0	0.98	0.02	1	0	0	120.91	18.56	0.634	19.2383905
MAS78_Rev_Weir	72.47	4/13/2017 11:58	1.95	0	0.11	0	0	0	0	0	0	1	0	1	0	0.01	0	72.895	14.67	0.767	4.94	7.707331408
GROF77	0.03	4/13/2017 12:27	50	0	0.01	0	0	0	0	0	0	1	1	0	0	0	0	3.257	63.54	3.179	0	42.40238755
C_MAS1	580.27	4/13/2017 12:06	5.16	0.09	0.39	0	0	0	0	0	0	1	0	1	0	0.68	0	125.63	511.45	32.309	1.135	106.0700545
C_MAS82	34.74	4/13/2017 12:01	3.04	0.04	0.31	0	0	0	0	0	0	1	0	0.02	0.98	0.01	0	95.134	9.59	0.047	3.623	165.1443625
C_MAS95_1	12.08	4/13/2017 12:00	1.89	0.01	0.17	0	0	0	0	0	0	1	0	0.95	0.05	0.44	0	62.838	3.62	0.022	3.337	22.89123932
C_MAS95_3	11.87	4/13/2017 12:00	1.37	0.01	0.2	0	0	0	0	0	0	1	0	0.98	0.02	0.84	0	67.98	3.62	0.022	3.279	45.58967537
C_MAS95_4	26.72	4/13/2017 12:00	6.98	0.02	0.23	0	0	0	0	0	0	1	0	0.4	0.6	0.36	0	81.379	7.14	0.022	3.742	34.58746622
C_7	100.84	4/13/2017 12:00	3.67	0	0.03	0	0	0	0	0	0	1	0.96	0	0	0	0	169.612	22.85	2.809	4.413	35.99907183
C_8	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	50.69	6.821	0	22.78399461
C661	88.35	4/13/2017 13:17	0.86	0	0.22	0	0	0	0	0	0	1	0	1	0	0.95	0	216.046	19.44	2.142	4.545	248.4625276
C_MAS55	121.7	4/13/2017 12:03	1.9	0.04	0.54	0	0	0	0	0	0	1	0	1	0	1	0	97.258	50.29	5.349	2.42	132.9962202
C11	4202.28	4/13/2017 13:45	5.31	0.24	0.75	0	0	0	0	0	0	1	0	1	0	1	0	168.152	766.97	33.04	5.479	338.9420986
C1116	29061.17	4/13/2017 15:30	5.92	0.19	0.71	0	0	0	0	0	0	1	0	1	0	0.45	0	921.51	3478.99	268.957	8.353	152.7138966
C_108	28961.74	4/13/2017 15:32	6.62	0.73	0.66	0	0	0	0	0	0	1	0	1	0	0	0	837.127	3503.62	270.129	8.266	108.19683
C_MAS131	91.74	4/13/2017 11:55	6.98	0	0.07	0	0	0	0	0	0	1	0	0	1	0	0	37.705	22.96	3.226	3.996	43.96629108
C1010	20.28	4/13/2017 12:00	0.54	0	0.29	0	0	0	0	0	0	1	0	1	0	1	0	426.704	6.91	1.224	2.935	212.2104808
C210	129.45	4/13/2017 12:02	0.99	0.01	0.16	0	0	0	0	0	0	1	0	1	0	1	0	219.319	144.21	3.966	0.898	100.7945193

Conduits SWMM 25-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
3	44534.81	4/13/2017 15:17	12.74	0.77	0.73	0	0	0	0	0	0	1	0	0.45	0	0	0	353.557	2091.83	177.907	21.29	272.4340973
4	1045.48	4/13/2017 14:58	5.04	0.02	0.07	0	0	0	0	0	0	1	0.91	0	0	0	0	158.755	676.02	38.467	1.547	279.4289225
5	2215.39	4/13/2017 15:21	6.21	0.13	0.32	0	0	0	0	0	0	1	0.89	0	0	0	0	255.825	2232.33	191.465	0.992	445.1989957
6	278.35	4/13/2017 15:01	5.69	0.21	0.41	0	0	0	0	0	0	1	0.88	0	0	0	0	40.707	693.14	41.121	0.402	604.4188819
C_1	5821.54	4/13/2017 13:30	5.42	0.31	0.79	0	0	0	0	0	0	1	0	1	0	0.73	0	177.361	5.68	0	1024.919	255.6570809
C_100	437.75	4/13/2017 12:02	3.33	0.02	0.24	0	0	0	0	0	0	1	0	1	0	0.97	0	73.088	141.25	11.396	3.099	107.0220487
C_101	386.5	4/13/2017 12:21	13.76	0.55	0.74	0	0.01	0.83	0.01	1.23	0.01	1.43	0	0	1	0	0	0	169.53	13.624	2.28	17.93943794
C_102	386.5	4/13/2017 12:21	7.6	0.01	0.19	0	0	0	0	0	0	1	0	0.74	0.26	1	0	60.924	169.53	13.624	2.28	38.28949218
C_110	38.86	4/13/2017 12:00	0.5	0	0.43	0	0	0	0	0	0	1	0	1	0	0.8	0	407.868	7.94	0.401	4.894	19.02556442
C_117	6110.39	4/13/2017 13:41	2.76	0.2	0.95	0	0.01	0.01	0.94	0.01	0.01	1	0	1	0	0.69	0	502.368	643.06	25.39	9.502	95.28338008
C_118	6110.69	4/13/2017 13:40	7.31	0.46	0.73	0	0	0	0	0	0	1	0	1	0	0.25	0	122.675	643.06	25.39	9.503	132.0769117
C_119	6116.97	4/13/2017 13:34	8.8	0.28	0.6	0	0	0	0	0	0	1	0	1	0	0.71	0	230.581	588.3	24.617	10.398	187.9682415
C_122	581.69	4/13/2017 12:14	11.61	2.79	1	0	3.46	7.79	3.46	12.2	3.46	1	0	0.92	0.08	0	0.38	0	38.45	1.048	15.128	16.12935326
C_123	34.02	4/13/2017 12:00	0.26	0	0.91	0	0.01	0.01	4.67	0.01	0.01	1	0	1	0	0.71	0	184.329	7.82	0.638	4.35	26.40379445
C_124	59.18	4/13/2017 12:00	0.08	0	0.49	0	0	0	0	0	0	1	0	0.75	0	0.7	0	267.466	12	0	4.932	33.96620205
C_148	31175.74	4/13/2017 14:47	7.89	1.4	1	0	2.33	2.41	2.39	2.41	1.99	1	0	1	0	0.03	0	500	676.02	38.467	46.117	75.9930443
C_156	77.47	4/13/2017 11:55	1.55	0	0.5	0	0.01	0.01	1.06	0.01	0.01	1	0	1	0	1	0	101.858	11.44	1.002	6.772	81.80195593
C_3	5822.91	4/13/2017 13:30	3.89	0.5	0.96	0	0	0	0	0	0	1	0	1	0	0	0	224.362	12.65	0.227	460.309	166.2500155
C_4	5826.71	4/13/2017 13:30	4.07	0.18	0.93	0	0	0	0	0	0	1	0	1	0	0	0	214.76	27.61	0.406	211.036	25.19095239
C_9_91	9.78	4/13/2017 11:52	1.56	0.2	1	0	12.12	12.12	14.83	0.01	0.01	1	0	1	0	0.4	0	0	42.31	2.148	0.231	17.83556208
C_GR_001	370.52	4/13/2017 11:58	8.68	0.4	1	0	0.14	0.34	0.14	0.01	0.14	1.25	0	1	0	0.91	0	0	219.11	18.599	1.691	7.344238212
C_MAS042517	256.09	4/13/2017 12:13	1.84	0.02	0.36	0	0	0	0	0	0	1	0	1	0	1	0	343.885	256.244	4.15	0.999	1776.997682
C_MAS100	1408.17	4/13/2017 12:03	11.21	0.03	0.2	0	0	0	0	0	0	1	0	0.44	0.56	0.02	0	84.858	262.58	28.264	5.363	53.67965593
C_MAS101_1	830.21	4/13/2017 12:02	6.17	0.01	0.21	0	0	0	0	0	0	1	0	1	0	0.98	0	64.661	163.21	14.185	5.087	49.68648434
C_MAS101_2	187.77	4/13/2017 12:02	3.99	0.09	0.8	0	0	0	0	0	0	1.06	0	1	0	0	1	0	166.62	14.97	1.127	13.31735521
C_MAS102	1078.05	4/13/2017 12:01	6.11	0.21	0.49	0	0	0	0	0	0	1	0	1	0	0.13	0	87.884	174.98	19.682	6.161	59.05699312
C_MAS103	411.62	4/13/2017 12:00	5.61	0.03	0.26	0	0	0	0	0	0	1	0	0.99	0.01	1	0	77.614	75.29	6.225	5.467	53.39045712
C_MAS105	91.54	4/13/2017 12:00	1.2	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	110.25	17.43	1.279	5.252	161.3321514
C_MAS106	128.05	4/13/2017 11:55	5.64	0	0.04	0	0	0	0	0	0	1	0	0.01	0.99	0.01	0	48.474	17.91	3.02	7.15	75.701422
C_MAS107	37.62	4/13/2017 12:26	2.71	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	35.585	29.58	2.195	1.272	110.0893608
C_MAS108_3	56.62	4/13/2017 11:56	11.08	0.63	0.68	0	0	0	0	0	0	1	0	0	1	0	0	0	19.6	1.215	2.889	16.68048609
C_MAS108_4	126.29	4/13/2017 11:56	5.02	0.01	0.18	0	0	0	0	0	0	1	0	0.96	0.04	1	0	37.452	19.6	1.215	6.443	124.6027062
C_MAS109	52.9	4/13/2017 12:00	9.95	0.85	0.74	0	0.01	1.99	0.01	0.01	0.01	1	0	0.08	0.92	0	0.7	0	117.17	9.563	0.451	13.86412432
C_MAS11	229.03	4/13/2017 12:08	12.67	0.7	0.72	0	0.01	0.01	0.01	1.1	0.01	1	0	0	1	0	0	0	263.68	23.114	0.869	41.42377148
C_MAS110	643.75	4/13/2017 12:00	4.86	0.07	0.39	0	0	0	0	0	0	1	0	0.99	0.01	1	0	174.539	121.03	9.858	5.319	50.17012211
C_MAS111	642.82	4/13/2017 12:00	8.79	0	0.08	0	0	0	0	0	0	1	0	0.69	0.31	0	0	58.694	121.03	9.858	5.311	35.9743266
C_MAS112	88.42	4/13/2017 11:55	12.98	0.24	0.38	0	0	0	0	0	0	1	0	0	1	0	0	0	18.97	1.818	4.661	18.58268059
C_MAS113	37.86	4/13/2017 12:25	3.8	0.28	0.51	0	0	0	0	0	0	1	0	0.18	0.82	0	0	0	29.58	2.195	1.28	12.28236808
C_MAS114	151.51	4/13/2017 12:16	0.5	0.01	0.59	0	0	0	0	0	0	1	0	1	0	0.85	0	357.134	27.07	1.87	5.597	45.13567757
C_MAS115	80.1	4/13/2017 12:03	8.93	0.3	0.58	0	0	0	0	0	0	1	0	0.14	0.86	0.07	0	0	23.9	1.737	3.351	15.60017093
C_MAS116	75.4	4/13/2017 12:11	5.32	0	0.07	0	0	0	0	0	0	1	0	0.02	0.98	0.01	0	44.174	28.26	1.431	2.668	55.99872394
C_MAS118	170.8	4/13/2017 12:01	4.24	0	0.2	0	0	0	0	0	0	1	0	1	0	1	0	44.211	26.52	5.878	6.44	54.99112408
C_MAS12	1570.91	4/13/2017 12:04	4.81	0.01	0.08	0	0	0	0	0	0	1	0	1	0	1	0	187.949	299.27	34.269	5.249	73.19257764
C_MAS121	193.78	4/13/2017 12:00	2.42	0.01	0.58	0	0.01	0.01	0.61	0.01	0.01	1.03	0	1	0	1	0	114.525	61.59	4.767	3.146	147.5208785
C_MAS124	30.61	4/13/2017 12:00	8.76	0.35	0.41	0	0	0	0	0	0	1	0	0.95	0.05	0	0	0	46.78	2.133	0.654	12.85634979
C_MAS125	618.52	4/13/2017 12:04	10.03	0	0.13	0	0	0	0	0	0	1	0	0.83	0.17	0.99	0	45.489	451.66	30.671	1.369	30.68142556
C_MAS13	1555.89	4/13/2017 12:04	5.82	0	0.04	0	0	0	0	0	0	1	0	1	0	0	0	195.864	294.59	33.778	5.282	33.75027361
C_MAS136	85.43	4/13/2017 12:00	7.79	0.03	0.23	0	0	0	0	0	0	1	0	0	1	0	0	24.868	15.36	1.209	5.562	59.96885584
C_MAS14	1529.05	4/13/2017 12:03	5.85	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	191.676	286.63	32.198	5.335	98.3647377
C_MAS140	75.61	4/13/2017 12:11	12.58	0.52	0.63	0	0.01	0.77	0.01	0.01	0.01	1	0	0	1	0	0	0	28.26	1.431	2.676	15.78693309
C_MAS142	288.67	4/13/2017 12:02	5.61	0.01	0.19	0	0	0	0	0	0	1	0	0.05	0.95	0.09	0	59.687	70.57	6.55	4.091	205.6754237
C_MAS143	36.72	4/13/2017 12:00	0.93	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	101.587	6.24	0.645	5.885	131.5182141
C_MAS144	66.26	4/13/2017 11:55	6.81	0.04	0.16	0	0	0	0	0	0	1	0	0.9	0.1	0.99	0	0	10.33	1.147	6.414	33.01068998
C_MAS145	85.79	4/13/2017 12:00	3.29	0	0.13	0	0	0	0	0	0	1	0	0.1	0.9	0.74	0	52.968	15.36	1.209	5.585	161.8987431
C_MAS146	118.4	4/13/2017 12:00	4.29	0	0.03	0	0	0	0	0	0	1	0	0.99	0.01	1	0	54.325	22.38	2.873	5.29	102.3105169
C_MAS147	160.75	4/13/2017 12:01	2.14	0.02	0.37	0	0	0	0	0	0	1	0	1	0	1	0	62.199	80.23	8.576	2.004	100.2446787
C_MAS148	148.6	4/13/2017 12:00	0.92	0	0.19	0	0	0	0	0	0	1	0	1	0	1	0	293.155	28.04	3.579	5.3	100.5431636
C_MAS15	598.84	4/13/2017 12:06	2.22	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	142.832	246.1	21.98	2.433	214.2560985
C_MAS151	85.26	4/13/2017 12:00	1.99	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	127.248	15.36	1.209	5.551	75.28839487
C_MAS152	150.09	4/13/2017 11:56	6.65	0.17	0.51	0	0	0	0	0	0	1	0	0	1	0.01	0	85.247	28.04	3.579	5.353	60.6963627
C_MAS155	60.55	4/13/2017 12:00	5.06	0.01	0.13	0	0	0	0	0	0	1	0	0.95	0.05	0.99	0	34.003	10.67	0.866	5.675	50.51715539
C_MAS156	80.95	4/13/2017 12:00	2.92	0.03	0.27	0	0	0	0	0	0	1	0	0.54	0.46	0.55	0	88.287	13.86	1.142	5.841	96.24052282
C_MAS157	540.45	4/13/2017 12:05	1.14	0	0.35	0	0	0	0	0	0	1	0	1	0	0.31	0	221.427	35.09	4.454	15.402	72.93025148
C_MAS158	100.41	4/13/2017 11:55	0.88	0	0.21	0	0	0	0	0	0	1	0	1	0	1	0	90.306	14	1.461	7.172	56.34030674
C_MAS159	44.79	4/13/2017 11:57	10.36	0.53	0.59	0	0.01	0.66	0.01	0.01	0.01	1	0	0	1	0	0	0	14	1.461	3.199	18.59893778
C_MAS16	281.35	4/13/2017 12:06	12.39	0.83	0.85	0	0.01	0.87	0.01	1.15	0.01	1	0	0	0	0	0	0	212.48	20.186	1.324	61.80334538
C_MAS160	96.68	4/13/2017 11:57	4.07	0	0.05	0	0	0	0	0	0	1	0	0.99	0.01	1	0	60.727	14	1.461	6.906	171.3144127
C_MAS161	139.77	4/13/2017 12:01	3.65	0.01	0.14	0	0	0	0	0	0	1	0	1	0	1	0	70.271	29.04	4.497	4.813	141.4845356
C_MAS162_1	49.18	4/13/2017 11:55	4.04	0	0.05	0	0	0	0	0	0	1	0	0	1	1	0	36.526	13.51	3.348	3.64	45.49247719
C_MAS162_2	82.69	4/13/2017 12:00	0.64	0	0.25	0	0	0	0	0	0	1	0	1	0	1	0	117.788	19.07	3.526	4.336	119.7694308

Conduits SWMM 25-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C_MAS163	55.09	4/13/2017 12:01	12.35	0.47	0.6	0	0.01	1.4	0.01	0.01	0.01	1	0	0	1	0	0	0	29.04	4.497	1.897	15.23192228
C_MAS164	117.91	4/13/2017 11:55	5.71	0	0.02	0	0	0	0	0	0	1	0	0.95	0.05	1	0	42.048	15.74	3.714	7.491	127.5449913
C_MAS165	193.8	4/13/2017 11:55	3.69	0	0.18	0	0	0	0	0	0	1	0	0.04	0.96	0.11	0	90.435	26.52	5.878	7.308	200.8874347
C_MAS166	98.94	4/13/2017 11:55	5.6	0	0.02	0	0	0	0	0	0	1	0	0.04	0.96	1	0	47.893	14.24	1.731	6.948	99.02068936
C_MAS167	97.19	4/13/2017 11:55	4.69	0	0.05	0	0	0	0	0	0	1	0	0.03	0.97	0.03	0	56.349	14.24	1.731	6.825	91.52905127
C_MAS168	161.26	4/13/2017 12:00	1.12	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	138.405	33.8	0.667	4.771	62.98177373
C_MAS169	271.21	4/13/2017 12:00	1.39	0	0.38	0	0	0	0	0	0	1.84	0	1	0	1	0	121.373	97.57	10.384	2.78	256.5140136
C_MAS17	1354.87	4/13/2017 12:02	6.74	0.01	0.13	0	0	0	0	0	0	1	0	1	0	0.97	0	113.84	245.55	26.232	5.518	77.578507
C_MAS170	129.33	4/13/2017 12:00	6.28	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	32.581	49.76	4.039	2.599	114.2284415
C_MAS171	194	4/13/2017 12:00	7.01	0	0.03	0	0	0	0	0	0	1	0	0.85	0.15	0.98	0	51.288	61.59	4.767	3.15	140.4657336
C_MAS174	660.18	4/13/2017 12:08	10.61	0.01	0.12	0	0	0	0	0	0	1	0	0.86	0.14	0.8	0	51.371	280.94	24.018	2.35	85.81932913
C_MAS175	667.87	4/13/2017 12:09	2.22	0.01	0.21	0	0	0	0	0	0	1	0	1	0	1	0	195.846	287.83	24.269	2.32	266.2516222
C_MAS18	821.94	4/13/2017 12:02	8.52	0	0.09	0	0	0	0	0	0	1	0	0	1	0	0	53.314	159.9	13.783	5.14	57.10633968
C_MAS19	784.78	4/13/2017 12:01	7.86	0	0.08	0	0	0	0	0	0	1	0	1	0	0.99	0	47.271	151.8	11.61	5.17	46.29669037
C_MAS2	718.12	4/13/2017 12:05	4.25	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	116.961	481.42	32.26	1.492	77.50610474
C_MAS20	750.99	4/13/2017 12:01	7.96	0	0.07	0	0	0	0	0	0	1	0	0	1	0.05	0	102.398	143.58	11.415	5.23	64.65104058
C_MAS21	453.17	4/13/2017 12:03	5.41	0.01	0.14	0	0	0	0	0	0	1	0	1	0	0.11	0	66.044	137.84	16.696	3.288	154.0571608
C_MAS22	1053.45	4/13/2017 12:01	8.12	0	0.12	0	0	0	0	0	0	1	0	0.99	0.01	0.98	0	72.052	169.92	19.398	6.2	139.876999
C_MAS23	779.59	4/13/2017 12:00	9.99	0.01	0.17	0	0	0	0	0	0	1	0	0	1	0.01	0	52.739	124.81	10.642	6.246	60.49465891
C_MAS24	665.52	4/13/2017 12:01	4.54	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	113.813	126.23	9.905	5.272	119.5828772
C_MAS25	39	4/13/2017 12:00	8.82	0.63	0.6	0	0	0	0	0	0	1	0	0	1	0	0	0	97.57	10.384	0.4	26.92170775
C_MAS26	376.66	4/13/2017 12:01	2.07	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	169.836	78.48	3.522	4.799	210.5014474
C_MAS27	340.41	4/13/2017 12:02	2.22	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	161.026	114.1	13.921	2.983	175.7077301
C_MAS28_1	138.75	4/13/2017 12:05	3.31	0	0.03	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	147.297	60.86	5.884	2.28	105.0558864
C_MAS28_2	69.31	4/13/2017 12:25	9.94	0.9	0.98	0	0.01	0.75	0.01	0.01	0.01	1	0	1	0	0.95	0	0	60.86	5.884	1.139	32.04684287
C_MAS29	548.83	4/13/2017 12:00	3.36	0	0.1	0	0	0	0	0	0	1	0	1	0	0.28	0	148.621	82.04	6.94	6.69	126.9878542
C_MAS3	687.64	4/13/2017 12:04	5.66	0	0.07	0	0	0	0	0	0	1	0	1	0	0	0	89.378	471.43	32.105	1.459	101.8931368
C_MAS30	287.97	4/13/2017 12:01	4.64	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	88.206	101.08	11.965	2.849	24.90548457
C_MAS31	157.48	4/13/2017 12:00	4.15	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	61.468	72.04	7.467	2.186	49.88738827
C_MAS32	583.61	4/13/2017 12:00	1.99	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	158.446	108.44	8.975	5.382	111.1857436
C_MAS33	63.05	4/13/2017 12:00	4.31	0.01	0.12	0	0	0	0	0	0	1	0	0.84	0.16	0.79	0	34.542	11.12	0.034	5.67	88.29540461
C_MAS34	306.28	4/13/2017 12:00	5.37	0	0.06	0	0	0	0	0	0	1	0	0.93	0.07	0.81	0	88.616	62.6	3.475	4.893	147.3623826
C_MAS35	429.37	4/13/2017 11:58	7.78	0	0.08	0	0	0	0	0	0	1	0	0.94	0.06	0.96	0	63.01	64.43	4.211	6.664	133.4389115
C_MAS36	64.84	4/13/2017 11:59	11.78	1.27	1	0	0.14	1.84	0.14	2.01	0.14	1	0	0.01	0.99	0.74	0	0	59.69	5.597	1.086	12.74008424
C_MAS37	345.06	4/13/2017 12:00	3.93	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	99.709	63.16	5.486	5.463	98.06638244
C_MAS38	90.27	4/13/2017 12:01	3.42	0	0.08	0	0	0	0	0	0	1	0	0.04	0.96	0.03	0	110.471	61.33	6.808	1.472	171.4645461
C_MAS39	255.91	4/13/2017 12:00	9.54	0	0.1	0	0	0	0	0	0	1	0	0	1	0	0	44.687	53.4	3.245	4.792	106.3760079
C_MAS4	406.66	4/13/2017 12:31	5.6	0	0.13	0	0	0	0	0	0	1	0	1	0	0.04	0	67.538	363.16	27.125	1.12	102.654184
C_MAS40	213.74	4/13/2017 12:00	3.11	0	0.19	0	0	0	0	0	0	1	0	1	0	1	0	95.406	38.49	3.539	5.553	120.0630684
C_MAS41	245.9	4/13/2017 11:56	1.21	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	161.295	54.61	4.482	4.503	105.9201318
C_MAS42	282.43	4/13/2017 12:00	7.27	0	0.04	0	0	0	0	0	0	1	0	0.02	0.98	0	0	47.502	51.77	5.179	5.455	143.1797577
C_MAS43	224.46	4/13/2017 12:00	2.21	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	148.878	46.78	2.133	4.798	76.68330518
C_MAS44	189.31	4/13/2017 12:00	5.15	0	0.05	0	0	0	0	0	0	1	0	0	1	1	0	61.782	34.2	2.81	5.535	59.5039045
C_MAS45	159.33	4/13/2017 12:00	2.3	0.01	0.47	0	0	0	0	0	0	1	0	1	0	1	0	178.014	32.35	0.897	4.925	319.3080002
C_MAS46	118.64	4/13/2017 12:00	3.84	0.18	0.5	0	0	0	0	0	0	1	0	0.04	0.96	0.05	0	78.161	22.38	2.873	5.301	42.72056374
C_MAS47	210.4	4/13/2017 11:57	3.12	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	87.239	31.66	2.788	6.646	163.1655523
C_MAS48	116.02	4/13/2017 12:00	4.73	0	0.12	0	0	0	0	0	0	1	0	0.01	0.99	0.03	0	58.545	22.67	1.802	5.118	79.07059184
C_MAS49	248.08	4/13/2017 11:57	2.49	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	110.073	38.99	3.296	6.363	255.8423313
C_MAS5	1678.02	4/13/2017 12:08	3.48	0	0.06	0	0	0	0	0	0	1	0	1	0	0.01	0	280.908	351.02	38.361	4.78	136.7470435
C_MAS50	135.8	4/13/2017 12:00	4.87	0.02	0.29	0	0	0	0	0	0	1	0	1	0	0.87	0	32.816	22.36	3.45	6.073	71.26064963
C_MAS51	100.11	4/13/2017 12:00	3.7	0	0.01	0	0	0	0	0	0	1	0	0.96	0.04	0.99	0	87.941	18.71	2.698	5.351	103.1104444
C_MAS52	102.43	4/13/2017 12:00	2.84	0.01	0.16	0	0	0	0	0	0	1	0	1	0	1	0	77.389	17.88	0.594	5.729	81.18305732
C_MAS53	214	4/13/2017 11:56	4.46	0	0.03	0	0	0	0	0	0	1	0	0.01	0.99	0	0	88.101	31.66	2.788	6.759	76.39122859
C_MAS54	13.24	4/13/2017 12:00	9.73	0.61	0.83	0	0.01	2.42	0.01	0.01	0.01	1	0	0.3	0.7	0	1	0	22.67	1.802	0.584	20.35471619
C_MAS56	114	4/13/2017 12:00	1.6	0.02	0.42	0	0	0	0	0	0	1	0	1	0	1	0	94.074	22.33	0.049	5.105	93.20040738
C_MAS57	125.93	4/13/2017 11:55	5.95	0	0.06	0	0	0	0	0	0	1	0	0.96	0.04	1	0	47.374	22.96	3.226	5.485	91.69725169
C_MAS58	217.39	4/13/2017 12:00	5.56	0.01	0.09	0	0	0	0	0	0	1	0	0.87	0.13	0.02	0	73.182	42.11	1.464	5.162	149.5652965
C_MAS6	398.94	4/13/2017 12:30	4.92	0.02	0.24	0	0	0	0	0	0	1	0	1	0	1	0	70.48	349.84	26.88	1.14	195.0624283
C_MAS60	135.48	4/13/2017 11:55	8.26	0	0.02	0	0	0	0	0	0	1	0	0.94	0.06	0.96	0	24.423	23.46	2.514	5.775	105.5117433
C_MAS61_1	218.57	4/13/2017 11:55	0.77	0	0.17	0	0	0	0	0	0	1	0	1	0	0.98	0	170.33	26.51	3.59	8.245	67.78091019
C_MAS61_2	72.95	4/13/2017 11:58	11.03	0.95	1	0	0.69	0.84	5.68	0.01	0.27	1	0	0.6	0.4	0.86	0	0	32.49	4.147	2.245	32.36845735
C_MAS62	71.33	4/13/2017 11:55	1.43	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	83.56	9.78	1.979	7.293	145.9335497
C_MAS63	99.38	4/13/2017 11:56	2.79	0	0.08	0	0	0	0	0	0	1	0	0.72	0.28	0.99	0	140.641	17.35	1.509	5.728	114.4986979
C_MAS64	99.8	4/13/2017 12:00	0.88	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	105.708	19.96	1.713	5	82.33052068
C_MAS66	57.23	4/13/2017 11:55	1.03	0	0.26	0	0	0	0	0	0	1	0	1	0	1	0	78.825	8.33	1.033	6.87	176.9478634
C_MAS67	152.95	4/13/2017 11:56	0.7	0	0.2	0	0	0	0	0	0	1	0	1	0	1	0	125.498	24.59	0.4	6.22	77.2983493
C_MAS68_1	86.32	4/13/2017 11:55	4.06	0	0.03	0	0	0	0	0	0	1	0	1	0	0.94	0	32.544	12.98	1.777	6.65	25.37677913
C_MAS68_2	106.4	4/13/2017 11:55	4.21	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	32.544	16.18	2.052	6.576	102.1964261
C_MAS69_1	113.93	4/13/2017 11:56	2.89	0.03	0.39	0	0	0	0	0	0	1	0	1	0	1	0	65.605	17.65	2.83	6.455	100.2685568
C_MAS69_2	106.79	4/13/2017 12:00	11.93	0.53	0.61	0	0.01	0.01	0.01	0.09	0.01	1	0	0	1	0	0	0	17.65	2.83	6.05	18.27569272

Conduits SWMM 25-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C_MAS7	231.75	4/13/2017 12:30	14.03	0.79	0.81	0	0.01	2.25	0.01	2.68	0.01	1	0	0	1	0	0	0	343.83	26.264	0.674	22.05625486
C_MAS70	109.57	4/13/2017 11:55	1.25	0.01	0.29	0	0	0	0	0	0	1	0	1	0	1	0	78.908	18.97	1.818	5.776	26.18314109
C_MAS71	71.4	4/13/2017 11:55	3.78	0	0.14	0	0	0	0	0	0	1	0	0.31	0.69	0.68	0	43.583	11.51	1.042	6.203	166.49377
C_MAS73	142.15	4/13/2017 12:00	5.29	0.01	0.11	0	0	0	0	0	0	1	0	0	1	0	0	54.597	26.14	1.05	5.438	99.31026742
C_MAS74	144.37	4/13/2017 11:55	4.61	0	0.03	0	0	0	0	0	0	1	0	0.99	0.01	1	0	52.134	20.64	2.269	6.995	164.4272771
C_MAS75	134.76	4/13/2017 11:55	4.45	0	0.03	0	0	0	0	0	0	1	0	0.99	0.01	1	0	49.652	20.92	0.34	6.442	37.62653763
C_MAS76	166.48	4/13/2017 11:56	2.9	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	84.003	23.09	1.229	7.21	240.8500144
C_MAS77	283.33	4/13/2017 12:00	6.2	0.04	0.27	0	0	0	0	0	0	1	0	0	1	0.04	0	67.622	51.77	5.179	5.473	44.29598377
C_MAS78	37.06	4/13/2017 12:03	9.01	0.66	0.58	0	0.01	0.55	0.01	0.01	0.01	1	0	0	1	0	0	0	11.76	2.888	3.151	27.74191548
C_MAS79	60.74	4/13/2017 12:00	5.85	0	0.07	0	0	0	0	0	0	1	0	0.02	0.98	0.03	0	30.077	10.67	0.866	5.693	47.21711629
C_MAS8	1653.9	4/13/2017 12:05	8.26	0	0.08	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	99.777	328.2	37.485	5.039	76.40556648
C_MAS80	79.09	4/13/2017 11:55	4.03	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	39.431	13.51	1.295	5.854	97.28608491
C_MAS81	66.34	4/13/2017 11:55	5.73	0	0.03	0	0	0	0	0	0	1	0	0.03	0.97	0.91	0	30.786	10.2	0.131	6.504	50.99364714
C_MAS83	53	4/13/2017 12:00	0.84	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	175.785	9.26	1.126	5.724	136.1405258
C_MAS84	58.4	4/13/2017 11:55	3.86	0	0.02	0	0	0	0	0	0	1	0	0.76	0.24	1	0	32.874	8.11	1.078	7.201	69.55755202
C_MAS85	94.21	4/13/2017 11:55	2.95	0	0.03	0	0	0	0	0	0	1	0	0.94	0.06	1	0	83.054	14.62	2.281	6.444	93.67955491
C_MAS86	72.68	4/13/2017 11:55	0.52	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	155.257	10.27	2.434	7.077	58.66021066
C_MAS87	51.1	4/13/2017 12:00	2.95	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	49.29	10.31	1.137	4.956	135.2008989
C_MAS88	121.87	4/13/2017 11:55	3.43	0	0.03	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	57.403	15.81	1.102	7.708	101.3504289
C_MAS89	206.58	4/13/2017 12:00	4.37	0.02	0.2	0	0	0	0	0	0	1	0	1	0	1	0	70.799	38.47	4.111	5.37	53.1919305
C_MAS9	1618.69	4/13/2017 12:05	5.29	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	172.983	315.21	35.445	5.135	106.3752608
C_MAS90	94.16	4/13/2017 11:58	5.07	0	0.03	0	0	0	0	0	0	1	0	0.2	0.8	0.99	0	42.349	14.67	0.767	6.419	260.5380836
C_MAS92	51.26	4/13/2017 11:55	2.82	0	0.02	0	0	0	0	0	0	1	0	0.97	0.03	1	0	74.764	7.08	1.815	7.24	44.84152175
C_MAS93	79.61	4/13/2017 12:00	3.55	0	0.08	0	0	0	0	0	0	1	0	0.12	0.88	0.26	0	45.4	14.5	0.811	5.49	154.8969064
C_MAS94	86.07	4/13/2017 12:00	3.63	0.01	0.14	0	0	0	0	0	0	1	0	0.06	0.94	0.05	0	60.892	16.41	1.442	5.245	20.77832765
C_MAS96	48.16	4/13/2017 11:55	2.81	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	52.249	7.95	0.98	6.058	68.77161837
C_MAS97	85.99	4/13/2017 12:00	1.12	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	181.328	14.99	0.879	5.736	131.3779806
C_MAS98	1684.04	4/13/2017 12:06	4.83	0.01	0.14	0	0	0	0	0	0	1	0	1	0	0.07	0	234.49	336.64	37.906	5.002	251.0841673
C_MAS99	630.13	4/13/2017 12:08	5.18	0.01	0.17	0	0	0	0	0	0	1	0	1	0	0.99	0	80.7	266.58	23.157	2.364	31.25805122
C1	46912.69	4/13/2017 15:23	6.99	0.91	1	0	0.81	0.81	0.94	0.01	0.01	1	0	1	0	0	0	917.45	3582.93	274.53	13.093	35.65413971
C100	1092.98	4/13/2017 12:08	15.44	0.69	0.87	0	0.01	0.9	0.01	1.49	0.01	1	0	0.14	0.86	0.12	0	0	557.95	64.942	1.959	25.96101939
C1002	85.73	4/13/2017 11:55	9.01	0	0.03	0	0	0	0	0	0	1	0	0.8	0.2	0.94	0	16.969	12.05	1.231	7.115	167.0154268
C1005	32.53	4/13/2017 12:00	0.71	0	0.04	0	0	0	0	0	0	1	0	0.71	0.29	0.96	0	138.866	6.01	0	5.413	83.20940672
C1006	69.64	4/13/2017 12:00	1.07	0	0.21	0	0	0	0	0	0	1	0	1	0	1	0	67.925	10.73	0.848	6.49	114.2036935
C1008	69.55	4/13/2017 12:00	1.04	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	203.186	13.81	0	5.036	101.1996715
C101	291.18	4/13/2017 12:50	2.89	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	148.233	400.64	16.31	0.727	84.12244562
C1013	26.16	4/13/2017 12:00	0.04	0	0.55	0	0.01	0.01	5.51	0.01	0.01	1	0	1	0	0.97	0	260.245	7.33	0.247	3.569	100.721408
C1018	38.38	4/13/2017 12:00	2.1	0.01	0.14	0	0	0	0	0	0	1	0	1	0	0.04	0	57.307	7.6	1.175	5.05	26.97037232
C1019	50.82	4/13/2017 12:00	1.46	0	0.04	0	0	0	0	0	0	1	0	0.27	0.73	0.35	0	111.335	9.48	0.87	5.361	270.6778555
C102	259.34	4/13/2017 12:26	5.01	0.13	0.48	0	0	0	0	0	0	1	0	0	0	0	0	78.089	177.14	7.223	1.464	14.50396621
C102_1	283.25	4/13/2017 12:25	3.1	0.04	0.34	0	0	0	0	0	0	1	0	1	0	1	0	57.967	177.14	7.223	1.599	158.9320858
C102_3	23.9	4/13/2017 12:26	4.81	0.74	0.66	0	0	0	0	0	0	1	0	1	0	0	0	0	177.14	7.223	0.135	10.07967313
C102_4	283.22	4/13/2017 12:26	5.25	0.03	0.26	0	0	0	0	0	0	1	0	1	0	1	0	51.022	177.14	7.223	1.599	92.41661199
C1022	68.71	4/13/2017 11:55	7.43	0	0.03	0	0	0	0	0	0	1	0	0.01	0.99	1	0	34.957	9.63	0.915	7.135	56.1684722
C1024	49.34	4/13/2017 12:00	0.75	0	0.19	0	0	0	0	0	0	1	0	1	0	1	0	355.379	8.91	0.468	5.538	109.9638358
C1025	21.05	4/13/2017 12:01	0.54	0	0.09	0	0	0	0	0	0	1	0	1	0	0.98	0	125.728	6.55	0.054	3.214	113.1207088
C1026	50.45	4/13/2017 12:00	0.84	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	101.333	8.77	0.128	5.753	187.8598095
C1029	111.84	4/13/2017 11:55	4.96	0	0.03	0	0	0	0	0	0	1	0	0.04	0.96	1	0	48.146	15.96	2.793	7.008	65.61683333
C103	496.55	4/13/2017 12:12	3.78	0.03	0.31	0	0	0	0	0	0	1	0	1	0	1	0	55.863	1470.98	32.095	0.338	178.5957232
C1030	42.23	4/13/2017 12:00	4.56	0	0.1	0	0	0	0	0	0	1	0	0.98	0.02	0.14	0	21.158	7.48	0.476	5.646	62.56276668
C1032	17.19	4/13/2017 11:55	1.15	0.01	0.19	0	0	0	0	0	0	1	0	1	0	1	0	60.886	3.13	0.756	5.492	22.78491269
C1037	118.26	4/13/2017 11:55	3.4	0	0.03	0	0	0	0	0	0	1	0	0.97	0.03	1	0	94.59	17.68	1.958	6.689	139.5464772
C1038	38.98	4/13/2017 12:00	1.32	0	0.02	0	0	0	0	0	0	1	0	1	0	1	0	120.612	6.3	0.098	6.187	156.9139468
C104	274.06	4/13/2017 12:07	1.91	0	0.03	0	0	0	0	0	0	1	0	1	0	0.99	0	457.55	81.12	2.737	3.378	261.6141289
C104_1	15662.04	4/13/2017 15:56	9.47	3.35	0.7	0	0.01	0.01	0.01	4.86	0.01	1	0	1	0	0	0	317.868	249.46	14.215	62.784	189.991246
C104_2	15674.62	4/13/2017 15:58	12.61	0.16	0.63	0	0	0	0	0	0	1	0	1	0	0.47	0	203.926	520.27	38.604	30.128	63.51776781
C1042	44.72	4/13/2017 12:00	2.32	0	0.03	0	0	0	0	0	0	1	0	0.99	0.01	0.98	0	80.214	7.23	0.606	6.185	136.3987378
C1044	84.84	4/13/2017 11:55	4.67	0	0.06	0	0	0	0	0	0	1	0	0	1	0.03	0	50.625	13.76	1.45	6.166	98.31669329
C1045	75.07	4/13/2017 12:00	5.2	0.04	0.25	0	0	0	0	0	0	1	0	0.03	0.97	0.03	0	35.886	14.65	0.844	5.124	126.5614761
C1047	462.07	4/13/2017 13:09	0.1	0	0.54	0	0	0	0	0	0	1	0	1	0	0.77	0	1792.952	6.26	0	73.813	105.6558867
C1048	40.44	4/13/2017 12:00	0.27	0	0.24	0	0	0	0	0	0	1	0	1	0	1	0	118.819	6.42	0.138	6.299	147.0528042
C104MAS	48.19	4/13/2017 12:04	5.5	0.16	0.38	0	0	0	0	0	0	1	0	0.89	0.11	0.87	0	0	30.78	1.792	1.566	16.20994649
C105	494.52	4/13/2017 12:10	2.64	0.02	0.25	0	0	0	0	0	0	1	0	1	0	0.95	0	125.267	1468.58	32.095	0.337	71.95812332
C1050_1	69.26	4/13/2017 12:00	1.56	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	72.908	11.64	1.097	5.95	127.5331789
C1050_2	41.04	4/13/2017 12:07	0.85	0	0.23	0	0	0	0	0	0	1	0	1	0	1	0	168.094	11.64	1.097	3.526	115.5785272
C1050_3	41.15	4/13/2017 12:06	8.16	0.24	0.43	0	0	0	0	0	0	1	0	0	1	0	0	0	11.64	1.097	3.535	21.13051429
C1050_4	17.77	4/13/2017 12:40	7.05	0.42	0.54	0	0	0	0	0	0	1	0	0	1	0	0	0	11.64	1.097	1.527	18.75848333
C1050_6	17.77	4/13/2017 12:41	1.44	0	0.06	0	0	0	0	0	0	1	0	0.19	0.81	0.11	0	68.71	11.64	1.097	1.527	140.5551877
C1052	26.24	4/13/2017 12:01	0.81	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	149.85	7.06	0.861	3.717	182.032511
C1053	71.48	4/13/2017 11:55	1.4	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	106.81	10.73	0.848	6.662	32.29938322

Conduits SWMM 25-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C1056	27.43	4/13/2017 12:00	1.32	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	117.28	7.33	0.247	3.742	34.03687906
C1058	50.55	4/13/2017 12:00	4.03	0	0.05	0	0	0	0	0	0	1	0	0.05	0.95	0.07	0	31.133	8.11	0.85	6.233	62.15875579
C1058MAS	86.15	4/13/2017 11:59	5.56	0	0.05	0	0	0	0	0	0	1	0	0	1	0.01	0	31.133	13.83	3.044	6.229	62.15875579
C1059	110.2	4/13/2017 12:00	2.05	0.03	0.62	0	0.01	0.01	5.34	0.01	0.01	1	0	1	0	1	0	36.761	24.1	1.565	4.573	35.53786437
C106	259.19	4/13/2017 12:24	2.57	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	151.539	160.06	5.898	1.619	36.28243121
C1060	71.38	4/13/2017 11:55	2.63	0	0.07	0	0	0	0	0	0	1	0	0.07	0.93	0	0	88.898	11.13	1.755	6.413	46.36631247
C1064	95.08	4/13/2017 12:00	0.94	0.01	0.17	0	0	0	0	0	0	1	0	1	0	1	0	219.777	18.28	1.363	5.201	89.14545344
C107	313.91	4/13/2017 12:24	1.24	0.01	0.3	0	0	0	0	0	0	1	0	1	0	0.9	0	392.942	388.08	14.38	0.809	140.2705732
C1071	69.72	4/13/2017 12:00	1.54	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	119.323	13.02	0.028	5.355	104.8904713
C1074	57.3	4/13/2017 11:55	1.61	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	93.085	8.01	0.953	7.154	17.89312618
C1077	40.6	4/13/2017 12:00	2.57	0	0.08	0	0	0	0	0	0	1	0	0.02	0.98	0.02	0	46.67	7.59	0.806	5.349	210.1136038
C1078	19.26	4/13/2017 12:00	1.16	0	0.03	0	0	0	0	0	0	1	0	1	0	0.4	0	113.379	4.91	0.289	3.923	89.59608087
C108	18.42	4/13/2017 12:05	7.99	0.84	0.75	0	0.01	0.3	0.01	0.01	0.01	1	0	0	1	0	0	0	44.12	4.437	0.417	22.49134274
C108_1	159.24	4/13/2017 12:03	8.54	0	0.08	0	0	0	0	0	0	1	0.89	0	0	0	0	77.278	44.12	4.437	3.609	23.63096731
C108_3	169.45	4/13/2017 12:05	0.78	0.01	0.58	0	0.01	0.01	0.1	0.01	0.01	1	0	1	0	1	0	392.002	44.12	4.437	3.841	209.8203606
C108_4	725.62	4/13/2017 12:29	6.1	0.33	0.84	0	0.01	0.01	1.24	2.74	0.01	1	0	1	0	0	0	0	1990.45	52.764	0.365	22.63773466
C1082	43.39	4/13/2017 12:00	5.47	0.01	0.17	0	0	0	0	0	0	1	0	0	1	0	0	55.49	9.3	0.517	4.666	164.7464878
C1083	68.58	4/13/2017 12:00	0.76	0	0.35	0	0	0	0	0	0	1	0	1	0	1	0	84.451	16.58	2.221	4.136	140.865769
C1084	0.5	4/13/2017 0:00	0.32	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	47.175	0	0	0	46.57938731
C1085	34.86	4/13/2017 12:00	2.03	0	0.03	0	0	0	0	0	0	1	0	1	0	0.99	0	61.711	7.22	0	4.828	105.841761
C1086	55.72	4/13/2017 12:00	1.34	0	0.09	0	0	0	0	0	0	1	0	1	0	0.96	0	220.804	9.61	0.626	5.798	50.32066099
C109_1	32096.64	4/13/2017 14:33	8.27	0.04	0.37	0	0	0	0	0	0	1	0	1	0	0.78	0	392.755	456.3	23.87	70.341	262.7382319
C109_2	32089.32	4/13/2017 14:35	9.08	0.02	0.35	0	0	0	0	0	0	1	0	1	0	0	0	378.606	552.76	30.156	58.053	43.22506291
C1090_2MAS	69.69	4/13/2017 11:55	1.93	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	85.111	9.01	1.501	7.735	38.78147154
C1090_3MAS	29.94	4/13/2017 11:55	9.72	0.69	0.6	0	0.01	0.49	0.01	0.01	0.01	1	0	0	1	0	0	0	9.01	1.501	3.323	15.59843263
C1090_4MAS	70.57	4/13/2017 11:55	3.79	0	0.03	0	0	0	0	0	0	1	0	0.99	0.01	1	0	47.823	9.01	1.501	7.832	70.95981692
C1094	113.19	4/13/2017 11:55	3.7	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	72.355	15.96	2.793	7.092	50.59601092
C1098	41.02	4/13/2017 12:00	3.32	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	38.761	7.59	0.806	5.404	16.48661161
C110	288.64	4/13/2017 12:50	10.03	1.04	0.7	0	0.01	1.48	0.01	2.65	0.01	1	0	0	1	0	0	0	396.18	15.51	0.729	22.55410422
C1103	48.44	4/13/2017 11:55	2.65	0	0.02	0	0	0	0	0	0	1	0	0.94	0.06	1	0	67.756	7.39	1.043	6.555	125.9376936
C1105	19.51	4/13/2017 12:00	2.36	0	0.04	0	0	0	0	0	0	1	0	0.09	0.91	0.3	0	22.844	3.79	0.497	5.148	28.9085687
C111	115.08	4/13/2017 12:01	0.9	0.01	0.34	0	0	0	0	0	0	1	0	1	0	1	0	153.599	23.14	1.461	4.973	171.2125289
C1111	13.09	4/13/2017 12:00	0.34	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	181.28	3.74	0.28	3.5	49.05455827
C1113	27.11	4/13/2017 12:00	1.34	0	0.09	0	0	0	0	0	0	1	0	1	0	0.65	0	91.111	7.99	0.939	3.393	152.4444202
C1115	41.39	4/13/2017 12:00	0.39	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	83.289	6.88	0.612	6.016	134.6973729
C1117	6173.64	4/13/2017 13:43	8.8	0.28	0.61	0	0	0	0	0	0	1	0	1	0	0.68	0	224.549	733.72	31.25	8.414	207.719163
C1118	6114.71	4/13/2017 13:37	6.76	0.39	0.68	0	0	0	0	0	0	1	0	1	0	0	0	229.64	618.01	24.663	9.894	128.7753256
C1119	5829.78	4/13/2017 13:31	5.71	0.23	0.59	0	0	0	0	0	0	1	0	1	0	0.33	0	232.586	50.3	1.709	115.9	248.9862777
C112	32105.38	4/13/2017 14:33	4.96	0.07	0.41	0	0	0	0	0	0	1	0	1	0	0	0	536.015	441.33	23.472	72.747	126.5717088
C1120	5820.8	4/13/2017 13:30	10.18	0.09	0.39	0	0	0	0	0	0	1	0	0.58	0.42	0.49	0	116.864	0	0	0	130.2074398
C1121	32060.05	4/13/2017 14:38	8.68	0.19	0.65	0	0	0	0	0	0	1	0	1	0	0.45	0	405.838	616.6	34.617	51.995	25.97577168
C1122	822.44	4/13/2017 12:25	9.16	0	0.13	0	0	0	0	0	0	1	0	0.81	0.19	0	0	51.173	1637.95	37.221	0.502	126.6783642
C1123	32076.33	4/13/2017 14:37	10.82	0.11	0.37	0	0	0	0	0	0	1	0	1	0	0.21	0	322.16	594.66	33.302	53.941	203.2019753
C1124	612.1	4/13/2017 12:17	2.23	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	179.49	1532.58	32.968	0.399	75.83501991
C1125	612.46	4/13/2017 12:17	3.37	0	0.09	0	0	0	0	0	0	1	0	1	0	0.06	0	129.202	1532.58	32.968	0.4	66.21050872
C1127	477.35	4/13/2017 12:09	3.51	0.01	0.17	0	0	0	0	0	0	1	0	1	0	0.98	0	131.255	1460.15	32.095	0.327	61.49793485
C1129	32130.8	4/13/2017 14:31	10.27	0.12	0.33	0	0	0	0	0	0	1	0	1	0	0.38	0	355.435	401.95	21.079	79.937	116.7756267
C113	372.91	4/13/2017 12:15	2.96	0	0.17	0	0	0	0	0	0	1	0	1	0	0.96	0	179.851	381.42	14.371	0.978	86.70767833
C1130	15694.02	4/13/2017 15:49	7.82	0.22	0.63	0	0	0	0	0	0	1	0	1	0	0.67	0	273.113	210.63	13.23	74.51	206.0945883
C1131	32109.41	4/13/2017 14:30	11.28	0.14	0.37	0	0	0	0	0	0	1	0	1	0	0.06	0	306.959	263.32	9.948	121.941	43.97229413
C1133	2065.97	4/13/2017 12:08	7.38	0	0.18	0	0	0	0	0	0	1	0	0.98	0.02	0.85	0	377.574	572.4	68.021	3.609	212.6397409
C1134	383.99	4/13/2017 13:23	3.44	0.01	0.17	0	0	0	0	0	0	1	0	1	0	1	0	128.845	1363.61	28.637	0.282	197.0981842
C1140	391.2	4/13/2017 13:06	3.79	0.01	0.19	0	0	0	0	0	0	1	0	0.71	0.29	0	0	217.374	1333.52	27.051	0.293	22.8517174
C1142	207.93	4/13/2017 12:00	2.12	0.01	0.15	0	0	0	0	0	0	1	0	1	0	0.91	0	129.37	144.21	3.966	1.442	97.30277015
C1146	639.34	4/13/2017 12:04	5.07	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	84.65	120.91	18.56	5.288	599.4957905
C1148	121.58	4/13/2017 12:15	1.71	0.01	0.13	0	0	0	0	0	0	1	0	1	0	0.18	0	192.222	40.39	2.452	3.01	228.382814
C115	468.5	4/13/2017 12:08	3.57	0.01	0.14	0	0	0	0	0	0	1	0	1	0	0	0	120.489	1456.34	32.095	0.322	159.0478956
C1150	159.67	4/13/2017 12:20	2.02	0.02	0.28	0	0	0	0	0	0	1	0	1	0	1	0	309.916	96.94	3.681	1.647	73.54189162
C1153	64.02	4/13/2017 12:09	2.86	0	0.12	0	0	0	0	0	0	1	0	0.04	0.96	0.01	0	66.93	22.56	0.587	2.838	119.436237
C1155	535.48	4/13/2017 12:04	4.94	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	67.567	106.73	9.461	5.017	67.581434
C1156	46.74	4/13/2017 12:00	1.27	0	0.04	0	0	0	0	0	0	1	0	1	0	0.98	0	123.93	112.07	6.922	0.417	95.35977866
C116	373.11	4/13/2017 12:14	9.17	1.48	0.76	0	0.01	0.86	0.01	2.53	0.01	1	0	0.94	0.06	0	0.68	0	381.42	14.371	0.978	18.14781851
C1162	291.06	4/13/2017 12:00	6.22	0	0.06	0	0	0	0	0	0	1	0	0.75	0.25	0.75	0	75.831	44.8	0.383	6.497	175.1175295
C1163	179.24	4/13/2017 11:57	4.3	0	0.02	0	0	0	0	0	0	1	0	0	1	0.01	0	97.247	41.06	4.202	4.365	63.57916388
C1169	255.11	4/13/2017 12:03	1.86	0	0.12	0	0	0	0	0	0	1	0	0.32	0.68	0.34	0	182.052	64.57	6.26	3.951	196.8789639
C117	76.27	4/13/2017 12:00	1.2	0.01	0.12	0	0	0	0	0	0	1	0	1	0	0	0	150.04	15.03	1.063	5.075	97.76453973
C1170	162.64	4/13/2017 12:00	2.87	0.01	0.15	0	0	0	0	0	0	1	0	0.93	0.07	0.41	0	124.349	29.92	3.863	5.436	24.97698846
C1171	192.31	4/13/2017 12:01	0.92	0	0.17	0	0	0	0	0	0	1	0	1	0	0	0	621.407	45.05	2.152	4.269	30.59934703
C1172	56.94	4/13/2017 12:02	0.72	0	0.28	0	0	0	0	0	0	1	0	1	0	1	0	148.901	25.72	0.368	2.214	96.98223412
C1174	352.92	4/13/2017 12:00	7.16	0	0.11	0	0	0	0	0	0	1	0	0	1	0	0	64.709	53.17	5.187	6.638	74.7063057

Conduits SWMM 25-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C1175	160.46	4/13/2017 12:06	2.18	0	0.16	0	0	0	0	0	0	1	0	1	0	0.98	0	203.11	42.42	2.148	3.783	58.07919702
C1176	126.16	4/13/2017 12:12	5.95	0.01	0.14	0	0	0	0	0	0	1	0	0.82	0.18	0.81	0	27.111	55.08	4.06	2.29	102.9913105
C1178	53.08	4/13/2017 12:07	0.52	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	130.426	16.26	1.755	3.264	129.3607875
C118	15669.01	4/13/2017 15:54	4.87	0.22	0.8	0	0	0	0	0	0	1	0	1	0	0.45	0	812.277	238.05	14.105	65.822	269.929716
C1182_1	53.66	4/13/2017 12:11	3.17	0	0.02	0	0	0	0	0	0	1	0	0.87	0.13	0.95	0	84.494	18.24	1.619	2.942	158.0345313
C1182_2	90.58	4/13/2017 12:00	0.46	0	0.28	0	0	0	0	0	0	1	0	1	0	0.95	0	250.135	29.2	2.31	3.102	53.83679179
C1183	314.5	4/13/2017 11:59	8.07	0	0.08	0	0	0	0	0	0	1	0	0	1	0.03	0	44.085	50.69	6.821	6.204	32.20754755
C1185	268.99	4/13/2017 11:57	2.54	0	0.11	0	0	0	0	0	0	1	0	0.1	0.9	0.06	0	173.765	47.05	4.597	5.717	148.4513429
C1186	241.08	4/13/2017 11:59	1.77	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	168.795	36.07	2.751	6.684	148.7884592
C1188	89.05	4/13/2017 12:00	4.78	0	0.14	0	0	0	0	0	0	1	0	0.24	0.76	0.24	0	82.876	16.78	0.9	5.307	78.26627234
C1189_1	101.04	4/13/2017 12:04	10.07	1	0.67	0	0.01	0.54	0.01	0.76	0.01	1	0	0.79	0.21	0.79	0	0	29.26	0.902	3.453	23.28846921
C1189_2	151.32	4/13/2017 12:04	5.84	0	0.09	0	0	0	0	0	0	1	0	0	1	0.03	0	40.333	32.53	1.246	4.652	119.7294687
C119	362.85	4/13/2017 12:14	1.14	0.01	0.35	0	0	0	0	0	0	1	0	1	0	0.9	0	268.27	373.68	13.843	0.971	37.37632583
C1190	105.44	4/13/2017 12:02	1.83	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	262.935	26.79	4.098	3.936	94.58183851
C1194	94.62	4/13/2017 12:00	1.74	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	87.298	18.21	0	5.196	44.25698999
C1199	143.09	4/13/2017 12:00	3.38	0	0.05	0	0	0	0	0	0	1	0	0.98	0.02	0.97	0	113.727	23.74	1.348	6.027	57.96092798
C12	6165.65	4/13/2017 13:44	8.18	0.02	0.31	0	0	0	0	0	0	1	0	1	0	0	0	220.965	757.82	32.815	8.136	87.06811725
C120	471.63	4/13/2017 12:06	4.24	0.01	0.17	0	0	0	0	0	0	1	0	1	0	0.08	0	81.27	1456.34	32.095	0.324	64.99777017
C1200_1	25.48	4/13/2017 11:55	1.74	0	0.03	0	0	0	0	0	0	1	0	0.55	0.45	1	0	75.982	4.5	1.125	5.662	120.0100862
C1200_2	39.84	4/13/2017 12:00	1.21	0	0.07	0	0	0	0	0	0	1	0	0.42	0.58	0.44	0	125.03	7.22	1.543	5.518	88.32854362
C121	45.83	4/13/2017 12:00	0.55	0.05	0.67	0	0.01	0.01	2.71	0.01	0.01	1	0	1	0	1	0	164.711	12.83	2.164	3.572	73.76506246
C1214	46.79	4/13/2017 12:05	0.92	0	0.07	0	0	0	0	0	0	1	0	1	0	0.98	0	174.671	10.98	0.546	4.261	259.8767502
C1216	51.57	4/13/2017 12:00	0.28	0	0.57	0	0.01	0.01	4.41	0.01	0.01	1	0	1	0	0.89	0	254.589	11.94	0.124	4.319	96.75411289
C122	32117.27	4/13/2017 14:32	6.25	0.07	0.42	0	0	0	0	0	0	1	0	1	0	0.43	0	490.481	435	23.363	73.833	148.5642464
C1226	46.69	4/13/2017 12:00	1.8	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	84.101	9.44	0	4.946	47.72933515
C1229MAS	11.37	4/13/2017 12:00	1.16	0	0.07	0	0	0	0	0	0	1	0	1	0	0.02	0	38.847	5.78	0.532	1.967	21.60098485
C123	310.78	4/13/2017 11:58	1.75	0.01	0.26	0	0	0	0	0	0	1	0	1	0	0.94	0	190.508	349.87	12.194	0.888	78.48207815
C1231	129.92	4/13/2017 11:55	4.34	0	0.04	0	0	0	0	0	0	1	0	0.08	0.92	1	0	69.87	19.02	2.028	6.831	82.60441872
C1235	100.88	4/13/2017 11:55	5.08	0	0.03	0	0	0	0	0	0	1	0	0	1	0.02	0	51.282	14.1	3.189	7.155	75.02390329
C1236	47.47	4/13/2017 12:05	6.36	0.01	0.15	0	0	0	0	0	0	1	0	0.02	0.98	0.04	0	20.893	15.54	1.258	3.055	18.86385015
C1237	49	4/13/2017 12:00	10.94	0.66	0.61	0	0.01	0.73	0.01	0.01	0.01	1	0	0.01	0.99	0	0.42	0	13.01	1.687	3.766	14.32666433
C124	357.97	4/13/2017 12:00	3.85	0.01	0.21	0	0	0	0	0	0	1	0	1	0	0.02	0	106.219	349.87	12.194	1.023	18.00893231
C1247	39.17	4/13/2017 12:00	1.29	0	0.11	0	0	0	0	0	0	1	0	1	0	0.99	0	77.715	7.08	0.228	5.532	180.5562606
C125	15685.13	4/13/2017 15:50	3.64	0.31	0.86	0	0	0	0	0	0	1	0	1	0	0.46	0	657.676	218.67	13.815	71.73	127.2466166
C126	170.87	4/13/2017 12:00	11.37	0.09	0.3	0	0	0	0	0	0	1.19	0	0	1	0	0	0	26.52	5.878	6.443	11.95041262
C126MAS	36.5	4/13/2017 12:00	2.71	0.01	0.11	0	0	0	0	0	0	1	0	0.1	0	0.09	0	49.939	7.96	0.533	4.585	121.3607915
C127	32126.34	4/13/2017 14:32	8.72	0.05	0.36	0	0	0	0	0	0	1	0	1	0	0.87	0	401.28	417.98	22.75	76.861	132.8692098
C128	398.46	4/13/2017 13:26	3.36	0.02	0.19	0	0	0	0	0	0	1	0	1	0	1	0	77.907	1404.98	29.446	0.284	127.0068289
C129	153.45	4/13/2017 12:03	2.25	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	91.998	35.14	0.809	4.367	57.84401918
C13	605.33	4/13/2017 12:02	2.43	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	285.413	191.79	17.143	3.156	87.61870083
C130	407.73	4/13/2017 12:00	4	0	0.11	0	0	0	0	0	0	1	0	1	0	0.93	0	139.562	349.87	12.194	1.165	112.9958927
C131	49.1	4/13/2017 12:00	0.09	0	0.34	0	0	0	0	0	0	1	0	1	0	1	0	337.643	9.77	1.021	5.026	190.2701463
C131_2	146.08	4/13/2017 11:55	5.4	0	0.1	0	0	0	0	0	0	1	0	0	1	1	0	71.837	25.44	5.286	5.742	62.28937043
C131_3	217.86	4/13/2017 11:56	5.88	0.01	0.12	0	0	0	0	0	0	1	0	0	1	0.84	0	80.936	39	7.166	5.586	57.64370575
C131_4	247.55	4/13/2017 11:57	5.67	0.01	0.13	0	0	0	0	0	0	1	0	0.96	0.04	1	0	85.055	45.45	7.996	5.447	94.63654423
C131_5	184.35	4/13/2017 11:55	5.5	0	0.11	0	0	0	0	0	0	1	0	0	1	1	0	75.244	32.26	6.458	5.715	77.49932703
C131MAS	0.5	4/13/2017 0:00	0	0	0.51	0	0.01	0.01	24	0.01	0.01	1	0	1	0	1	0	150.075	7.96	0.533	0.063	108.8107004
C132	657.98	4/13/2017 12:31	7.63	0.02	0.37	0	0	0	0	0	0	1	0.43	0	0	0	0	51.295	1990.45	52.764	0.331	29.8068504
C132_1	114.11	4/13/2017 12:00	2.77	0.14	0.66	0	0.01	0.01	1.46	0.01	0.01	1	0	1	0	1	0	103.321	22.33	2.527	5.11	43.90420206
C133	140.59	4/13/2017 12:03	2.85	0.01	0.13	0	0	0	0	0	0	1	0	1	0	0.95	0	60.642	32.17	0.809	4.37	90.95011962
C134	74.8	4/13/2017 12:00	0.89	0	0.51	0	0.01	0.01	4.67	0.01	0.01	1	0	1	0	1	0	238.547	15.09	1.539	4.957	130.2865694
C134MAS	11.08	4/13/2017 11:55	1.12	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	41.105	5.78	0.532	1.917	100.7501423
C135	67.41	4/13/2017 12:00	0.74	0.06	0.69	0	0.01	0.01	6.6	0.01	0.01	1	0	1	0	1	0	248.797	14.39	0.714	4.685	112.7035932
C136	32132.06	4/13/2017 14:31	10.64	0.16	0.35	0	0	0	0	0	0	1	0	1	0	0	0	328.835	396.01	21.079	81.14	54.31877488
C137MAS	0.18	4/13/2017 0:00	0.17	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	96.175	23.2	1.538	0.008	43.68939568
C138	54.58	4/13/2017 12:00	1.64	0	0.33	0	0	0	0	0	0	1	0	1	0	1	0	171.594	12.98	0.024	4.205	94.50369512
C139	32107.54	4/13/2017 14:31	7.83	0.19	0.47	0	0	0	0	0	0	1	0	1	0	0.13	0	402.195	295.37	12.261	108.703	40.092379
C13MAS	27.27	4/13/2017 12:04	0.97	0.57	1	0	17.33	17.33	24	0.01	0.01	1	0	1	0	0.11	0	70.77	55.92	4.959	0.488	138.7694072
C14	498.47	4/13/2017 12:00	2.65	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	246.186	120.91	18.56	4.123	19.2383905
C140	48.88	4/13/2017 12:00	0.93	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	251.895	10.81	0.103	4.522	50.873717
C141	33.61	4/13/2017 12:10	1.44	0	0.08	0	0	0	0	0	0	1	0	1	0	0.83	0	93.764	16.07	0.368	2.091	67.00291779
C142	52.6	4/13/2017 12:00	0.9	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	244.797	34.94	0.603	1.505	67.55128063
C142_1	163.15	4/13/2017 12:02	1.89	0.01	0.23	0	0	0	0	0	0	1	0	1	0	0.97	0	183.824	25.68	0.026	6.353	350.4029619
C142_3	21.17	4/13/2017 12:35	8.58	0.31	0.38	0	0	0	0	0	0	1	0	0.01	0.99	0.02	0	0	25.68	0.026	0.824	19.00183855
C143	15698.99	4/13/2017 15:49	9.48	0.16	0.38	0	0	0	0	0	0	1	0	1	0	0	0	288.648	203.97	13.184	76.967	117.533361
C144	32108.97	4/13/2017 14:31	12.56	0.37	0.42	0	0	0	0	0	0	1	0	1	0	0	0	287.646	266.17	9.951	120.633	81.98682553
C145	40597.17	4/13/2017 15:23	6.4	0.42	0.97	0	0.01	0.01	1.79	0.01	0.01	1	0	1	0	0.51	0	656.559	2544.34	227.774	15.956	149.0851065
C146	1142.51	4/13/2017 12:28	2.93	0.01	0.11	0	0	0	0	0	0	1	0	1	0	0.93	0	278.841	1856.22	45.633	0.616	99.4832732
C147	1387.99	4/13/2017 12:38	4.96	0.04	0.27	0	0	0	0	0	0	1	0	1	0	0.9	0	117.73	2058.64	57.444	0.674	106.0549089
C148	842.01	4/13/2017 12:02	9	0.55	0.41	0	0	0	0	0	0	1	0	0.99	0.01	0.06	0	46.299	166.62	14.97	5.053	40.58006467

Conduits SWMM 25-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C148_1	47074.71	4/13/2017 15:34	8.54	0.71	0.91	0	0	0	0	0	0	1	0	1	0	0	0	471.686	6258.68	379.747	7.522	241.1631649
C148_2	47071.15	4/13/2017 15:34	8.12	0.66	0.86	0	0	0	0	0	0	1	0	1	0	0.3	0	620.368	6267.81	379.747	7.51	105.0540261
C149	113.51	4/13/2017 12:01	2.43	0	0.09	0	0	0	0	0	0	1	0	1	0	0.94	0	52.567	24.71	0.809	4.594	202.6466293
C14MAS	41.24	4/13/2017 11:55	14.71	0.63	0.58	0	0	0	0	0	0	1	0	0.01	0.99	0.03	0	0	6.1	1.352	6.761	46.95632222
C15	6112.35	4/13/2017 13:39	7.92	0.29	0.8	0	0.01	0.01	0.7	0.01	0.01	1	0	1	0	0.85	0	166.845	633.8	25.017	9.644	129.1669829
C150	46814.1	4/13/2017 15:30	7.36	0.18	0.73	0	0	0	0	0	0	1	0	1	0	0.49	0	792.707	4077.31	317.986	11.482	120.3931187
C151	1425.7	4/13/2017 12:46	1.21	0	0.7	0	0.01	0.01	1.8	0.01	0.01	1	0	1	0	0.79	0	1030.885	2170.36	61.761	0.657	146.3999689
C153	46832.63	4/13/2017 15:30	15.31	0.37	0.57	0	0	0	0	0	0	1	0	0.93	0.07	0	0	425.951	4058.5	317.96	11.539	244.4079239
C155	91.11	4/13/2017 12:00	4.07	0	0.11	0	0	0	0	0	0	1	0	1	0	0.09	0	33.083	19.06	0.809	4.78	67.39341929
C156	40.55	4/13/2017 12:00	9.78	0	0.03	0	0	0	0	0	0	1	0	0.04	0.96	0.23	0	18.244	8.29	0.146	4.891	113.0468177
C156_1	127.88	4/13/2017 12:06	17.82	0.07	0.12	0	0	0	0	0	0	1	0	0	1	0.1	0	0	40.12	1.4	3.187	19.2735308
C156_10	120.61	4/13/2017 12:11	2.22	0	0.01	0	0	0	0	0	0	1	0	1	0	0.54	0	201.469	40.12	1.4	3.006	196.7355759
C156_2	967.47	4/13/2017 12:11	1.42	0	0.06	0	0	0	0	0	0	1	0	1	0	0	0	405.064	301.92	22.833	3.204	199.5665799
C156_3	863.3	4/13/2017 12:02	7.33	0	0.02	0	0	0	0	0	0	1	0	0	1	0	0	125.285	173.2	15.616	4.984	142.8049504
C156_4	326.76	4/13/2017 12:02	17.27	0.11	0.32	0	0	0	0	0	0	1	0	0.76	0.24	1	0	0	191.79	17.143	1.704	78.65830788
C156_5	1041.69	4/13/2017 12:07	2.05	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	323.386	284.56	22.341	3.661	95.73781531
C156_6	122.02	4/13/2017 12:17	2.58	0	0.01	0	0	0	0	0	0	1	0	0.96	0.04	0.96	0	201.469	48.41	1.547	2.521	191.9187699
C156_7	21.5	4/13/2017 12:02	0.44	0	0.01	0	0	0	0	0	0	1	0	1	0	1	0	201.469	5.75	0.315	3.739	458.6829265
C156_9	907.35	4/13/2017 12:04	4.26	0	0.03	0	0	0	0	0	0	1	0	0.45	0.55	0.96	0	226.009	191.79	17.143	4.731	207.0880666
C157	32111.3	4/13/2017 14:30	10.86	0.29	0.39	0	0	0	0	0	0	1	0	1	0	0	0	332.381	263.32	9.948	121.948	117.4982434
C158	13.32	4/13/2017 12:37	6.02	0.01	0.16	0	0	0	0	0	0	1	0.91	0	0	0	0	12.498	25.68	0.026	0.519	27.37804003
C158_1	94.28	4/13/2017 12:00	0.22	0	0.12	0	0	0	0	0	0	1	0	1	0	0.5	0	393.556	15.04	1.925	6.269	203.1621974
C158_2	57.02	4/13/2017 11:58	1.85	0.04	0.26	0	0	0	0	0	0	1	0	1	0	0.01	0	71.19	8.41	0.726	6.78	139.1339495
C158_3	36.07	4/13/2017 12:21	1.28	0	0.03	0	0	0	0	0	0	1	0	1	0	0	0	74.496	38.73	4.016	0.931	99.20225412
C158_4	115.06	4/13/2017 12:00	2.13	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	219.745	57.55	4.171	1.999	294.6163113
C158_5	81.33	4/13/2017 12:00	0.67	0.01	0.6	0	0.01	0.01	12.96	0.01	0.01	1	0	1	0	1	0	104.34	12.62	1.214	6.445	214.4748863
C159	35707.64	4/13/2017 14:22	9.92	0.59	1	0	1.85	3.17	1.85	10.33	1.85	1	0	1	0	0	0	0	4013.66	315.389	8.897	18.11999307
C16	6112.74	4/13/2017 13:39	5.42	1.03	1	0	0.5	0.5	0.53	0.46	0.46	1	0	1	0	0.59	0	376.45	628.7	25.017	9.723	91.31941558
C160	15701.71	4/13/2017 15:48	11.55	0.77	0.53	0	0	0	0	0	0	1	0	1	0	0	0	274.059	199.02	12.688	78.895	185.5539813
C161	50.48	4/13/2017 12:00	1.61	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	61.499	10.78	0.809	4.683	72.05695163
C162	3.11	4/13/2017 12:00	2.44	0.08	0.26	0	0	0	0	0	0	1	0	1	0	0.93	0	0	256.244	4.15	0.012	15.99459118
C162_1	499.43	4/13/2017 12:13	4.41	0	0.17	0	0	0	0	0	0	1	0	1	0	0.19	0	370.071	261.26	24.142	1.912	117.727412
C162_2	500.19	4/13/2017 12:14	1.04	0	0.33	0	0	0	0	0	0	1	0	1	0	0.7	0	462.304	264.93	24.362	1.888	74.01415268
C163	596.64	4/13/2017 12:00	4.45	0.03	0.2	0	0	0	0	0	0	1	0	0.99	0.01	0.94	0	205.838	256.244	4.15	2.328	19.29774653
C164	438.19	4/13/2017 12:11	4.02	0	0.08	0	0	0	0	0	0	1	0	1	0	0.83	0	163.958	221.24	22.866	1.981	58.61258172
C165	447.98	4/13/2017 12:07	3.38	0	0.26	0	0	0	0	0	0	1	0	0.96	0.04	1	0	194.162	247.57	9.943	1.81	118.8251099
C166	59.72	4/13/2017 11:55	0.09	0	0.5	0	0	0	0	0	0	2.34	0	1	0	0.86	0	458.739	12.26	1.413	4.871	4.084565723
C167	97.09	4/13/2017 12:11	2.16	0.02	0.25	0	0	0	0	0	0	1	0	1	0	1	0	92.41	32.1	1.839	3.025	18.611893
C168	47.52	4/13/2017 12:04	2.72	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	53.395	12.26	1.413	3.876	71.5852313
C169	24.03	4/13/2017 12:01	0.84	0	0.36	0	0	0	0	0	0	1	0	1	0	0.62	0	222.345	4.88	0.835	4.924	113.8881642
C171	15705.78	4/13/2017 15:45	6.73	0.54	0.89	0	0	0	0	0	0	1	0	1	0	0.41	0	418.905	90.61	1.033	173.334	92.81366617
C172	1935.82	4/13/2017 12:07	6.92	0.01	0.2	0	0	0	0	0	0	1	0	0.07	0.93	0.07	0	157.171	528.49	60.574	3.663	183.8750663
C173	184.19	4/13/2017 12:14	1.31	0.86	1	0	9.88	9.88	12.05	0.01	0.01	1	0	1	0	0.5	0	198.75	174.65	6.391	1.055	231.0692479
C175	654.27	4/13/2017 12:02	14.01	0.09	0.57	0	0	0	0	0	0	1	0.96	0	0.02	0.02	0	92.088	166.62	14.97	3.927	19.74204992
C178	431.92	4/13/2017 12:07	6.84	0	0.1	0	0	0	0	0	0	1	0	0	1	0.17	0	75.046	241.71	9.782	1.787	59.68547841
C179_2	28.65	4/13/2017 12:00	1.6	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	47.947	5.75	0.476	4.983	101.5518102
C18	6115.21	4/13/2017 13:37	6.41	0.09	0.5	0	0	0	0	0	0	1	0	1	0	0.81	0	233.119	618.01	24.663	9.895	52.79595011
C181	37.85	4/13/2017 12:10	8.72	0.29	0.35	0	0	0	0	0	0	1	0	0	1	0	0	0	11.6	1.712	3.263	21.63096744
C182	1908.63	4/13/2017 12:07	5.08	0.02	0.19	0	0	0	0	0	0	1	0	1	0	0.96	0	142.291	516.37	59.748	3.696	66.66765802
C187	380.97	4/13/2017 13:22	3.75	0.01	0.13	0	0	0	0	0	0	1	0	1	0	0	0	74.897	1355.07	28.491	0.281	85.14514533
C188	55.97	4/13/2017 12:07	8.99	0.43	0.45	0	0	0	0	0	0	1	0	0.62	0.38	0.74	0	0	17.87	2.405	3.132	18.7454763
C19	6115.97	4/13/2017 13:36	6.48	0.24	0.56	0	0	0	0	0	0	1	0	1	0	0	0	256.489	606.91	24.663	10.077	157.2802177
C190	103.39	4/13/2017 12:04	11.29	0.77	0.68	0	0.01	0.82	0.01	0.93	0.01	1	0	0	1	0	0	0	50.9	4.137	2.031	9.212501095
C191	360.54	4/13/2017 12:06	1.51	0.02	0.34	0	0	0	0	0	0	1	0	1	0	0.91	0	468.782	166.63	6.317	2.164	116.798726
C192	15026.87	4/13/2017 15:42	8.22	0.76	1	0	1.13	1.13	2.87	0.01	0.01	1	0	1	0	0.75	0	636.2	83.18	0.991	180.655	167.1352811
C193	1406.18	4/13/2017 12:07	5.85	0.04	0.16	0	0	0	0	0	0	1	0	1	0	0	0	166.196	402.44	50.036	3.494	109.8856289
C194	304.68	4/13/2017 12:14	3.03	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	206.963	160.74	13.189	1.895	207.61383
C195	55.96	4/13/2017 12:07	1.47	0.01	0.3	0	0	0	0	0	0	1	0	0.34	0.66	0.19	0	138.607	17.87	2.405	3.132	35.73286516
C195_1MAS	384.78	4/13/2017 12:06	5.67	0.14	0.42	0	0	0	0	0	0	1	0	1	0	1	0	55.487	210.93	7.99	1.824	78.32767236
C195_2MAS	432.02	4/13/2017 12:06	6.8	0.03	0.22	0	0	0	0	0	0	1	0	0.91	0.09	0	0	64.576	241.71	9.782	1.787	47.9469063
C196	350.14	4/13/2017 12:05	4.8	0.03	0.15	0	0	0	0	0	0	1	0	0.97	0.03	0	0	138.32	163.2	6.011	2.145	33.24311361
C198	282.51	4/13/2017 12:03	2.51	0.04	0.3	0	0	0	0	0	0	1	0	1	0	0.38	0	205.953	142.79	5.198	1.978	16.1155425
C2	1427.81	4/13/2017 12:45	6.05	0.02	0.64	0	0	0	0	0	0	1	0	1	0	0.84	0	495.954	2161.03	61.437	0.661	76.22893788
C20	6116.37	4/13/2017 13:35	7.83	0.96	0.63	0	0	0	0	0	0	1	0	1	0	0	0	237.126	597.72	24.663	10.233	85.4615271
C201	92.42	4/13/2017 12:00	5.64	0.08	0.35	0	0	0	0	0	0	1	0	0.98	0.02	1	0	0	120.91	18.56	0.764	19.2383905
C202	14712.82	4/13/2017 15:41	8.61	0.29	0.74	0	0	0	0	0	0	1	0	1	0	0.12	0	279.631	83.18	0.991	176.879	63.49094038
C203_1	277.5	4/13/2017 12:06	6.98	0.01	0.19	0	0	0	0	0	0	1	0	0.95	0.05	0.16	0	43.581	182.96	13.215	1.517	140.3676175
C203_2	301.97	4/13/2017 12:06	3.16	0.01	0.67	0	0.01	0.01	4.71	0.01	0.01	1	0	1	0	0.84	0	155.71	193.25	13.502	1.563	105.886735
C205	20.68	4/13/2017 12:11	9.34	0.99	0.66	0	0.01	4.63	0.01	0.01	0.01	1	0	0	1	0	0	0	32.1	1.839	0.644	14.49410229
C206_2	385.55	4/13/2017 12:06	3.32	0.24	0.52	0	0	0	0	0	0	1	0	1	0	0	0	129.319	210.93	7.99	1.828	58.54147829

Conduits SWMM 25-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C208	585.44	4/13/2017 12:06	12.83	1.08	0.72	0	0.01	0.97	0.01	1.53	0.01	1	0	0	1	0	0	0	273.04	25.157	2.144	20.07880393
C209	62.65	4/13/2017 12:08	9.55	0.41	0.47	0	0	0	0	0	0	1	0	0.03	0.97	0.62	0	0	20.48	2.44	3.059	16.48412585
C21	72.73	4/13/2017 12:00	0.15	0	0.22	0	0	0	0	0	0	1	0	1	0	0	0	712.595	55.76	3.131	1.304	87.07768366
C211	391.19	4/13/2017 13:10	2.2	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	208.088	1338.37	27.806	0.292	201.7060425
C212	246.95	4/13/2017 12:04	1.11	0	0.05	0	0	0	0	0	0	1	0	1	0	0.99	0	236.701	171.23	11.847	1.442	79.13146019
C213	301.08	4/13/2017 12:12	4.71	0.01	0.2	0	0	0	0	0	0	1	0	1	0	0.65	0	36.826	152.87	11.746	1.97	208.2309484
C214	858.4	4/13/2017 12:02	7.11	0.01	0.16	0	0	0	0	0	0	1	0	0.05	0.95	0.04	0	143.14	264.48	23.894	3.246	77.338821
C218	390.76	4/13/2017 13:06	2.38	0.02	0.21	0	0	0	0	0	0	1	0	1	0	1	0	311.885	1333.52	27.051	0.293	55.12502273
C219	133.85	4/13/2017 12:00	2.12	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	92.791	23.46	2.514	5.705	101.7718422
C22	6117.25	4/13/2017 13:33	5.62	0.01	0.25	0	0	0	0	0	0	1	0	1	0	1	0	303.356	561.59	23.502	10.893	115.4256638
C220	235.27	4/13/2017 12:00	2.18	0.02	0.18	0	0	0	0	0	0	1	0	1	0	1	0	201.441	128.98	5.198	1.824	207.8111619
C221	19.8	4/13/2017 11:53	3.3	1.69	1	0	12.07	12.13	12.07	0.27	0.04	1	0	0.6	0	0	0	0	63.59	3.676	0.311	98.35635769
C223	245.16	4/13/2017 12:05	1.86	0.01	0.21	0	0	0	0	0	0	1	0	1	0	0.99	0	111.616	111.87	12.188	2.191	50.45438237
C229	335.31	4/13/2017 12:05	2.09	0	0.23	0	0	0	0	0	0	1	0	1	0	1	0	270.099	140.69	9.875	2.383	113.1197877
C23	127.16	4/13/2017 11:55	1.57	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	82.301	19.6	1.215	6.488	78.07983211
C23_1MAS	11.52	4/13/2017 13:05	3.84	1.54	1	0	2.28	2.83	2.31	2.38	2.1	1	0	1	0	0	0	0	17.81	0.868	0.647	10.23587045
C23_2MAS	17.1	4/13/2017 12:10	5.7	2.28	1	0	0.77	2.94	0.77	2.97	0.77	1	0	1	0	0	0	0	21.93	1.36	0.78	10.13493466
C23_3MAS	18.62	4/13/2017 12:00	0.64	0.02	0.61	0	0	0	0	0	0	1	0	1	0	0.75	0	87.114	21.93	1.36	0.849	27.19136395
C23_5MAS	22.43	4/13/2017 12:00	0.91	0.03	0.37	0	0	0	0	0	0	1	0	1	0	0.63	0	38.976	23.2	1.538	0.967	50.06486565
C230	10.11	4/13/2017 12:14	8.47	0.75	0.64	0	0.01	3.28	0.01	0.01	0.01	1	0	0	1	0	0	0	11.35	0.809	0.891	7.298047699
C232	45.01	4/13/2017 12:03	11.19	0.58	0.56	0	0	0	0	0	0	1	0	0	1	0	0	0	57.85	5.703	0.778	28.81347006
C233	29.24	4/13/2017 12:00	16.05	1.13	0.64	0	0.01	0.51	0.01	0.52	0.01	1	0	0.01	0.99	0.02	0	0	17.88	0.594	1.635	20.84027212
C234	236.67	4/13/2017 12:04	5.7	0	0.1	0	0	0	0	0	0	1	0	0.87	0.13	0	0	57.252	105.77	10.988	2.238	76.0908282
C237	351.13	4/13/2017 11:58	8.79	0.56	0.94	0	0.01	0.9	0.01	0.01	0.01	1	0	1	0	0.77	0	0	248.91	22.713	1.411	9.626075074
C238	136.69	4/13/2017 12:18	0.77	0	0.27	0	0	0	0	0	0	1	0	1	0	1	0	149.25	49.09	2.452	2.784	137.618451
C23MAS	0.5	4/13/2017 0:00	0.53	0	0.06	0	0	0	0	0	0	1	0	0.1	0	0.09	0	54.45	12.31	0.763	0.041	159.8937052
C24	40591.26	4/13/2017 15:23	9.15	0.33	0.68	0	0	0	0	0	0	1	0	1	0	0	0	426.044	2501.97	223.678	16.224	106.7140865
C240	7.77	4/13/2017 12:19	6.93	1.01	0.61	0	0.01	4.95	0.01	0.04	0.01	1	0	0.04	0.96	0	0	0	11.35	0.809	0.685	10.10465639
C241_1	15770.95	4/13/2017 15:40	8.43	0.04	0.4	0	0	0	0	0	0	1	0	1	0	0.79	0	257.694	0	0	0	208.2939813
C241_2	15752.43	4/13/2017 15:41	7.09	0.06	0.45	0	0	0	0	0	0	1	0	1	0	0.3	0	546.774	20.28	0.046	776.747	126.5232456
C244	236.29	4/13/2017 12:04	13.31	0.3	0.48	0	0	0	0	0	0	1	0	0	1	0	0	0	105.77	10.988	2.234	11.0917158
C245	60.16	4/13/2017 13:08	4.28	0.22	0.53	0	0.01	6.71	0.01	0.01	0.01	1	0	1	0	0	0	0	123.84	10.356	0.486	24.35286264
C245_1	322.3	4/13/2017 12:02	4.67	0.02	0.16	0	0	0	0	0	0	1	0	0.98	0.02	0	0	181.646	133.47	8.332	2.415	94.98348046
C245_2	310.16	4/13/2017 12:04	11.15	0.18	0.46	0	0	0	0	0	0	1	0	0.5	0.5	0.88	0	0	133.47	8.332	2.324	22.94661244
C246	28.56	4/13/2017 12:14	0.51	0	0.27	0	0	0	0	0	0	1	0	1	0	1	0	92.843	11.35	0.809	2.516	32.33020711
C249	642.99	4/13/2017 12:03	2.02	0.01	0.26	0	0	0	0	0	0	1	0	1	0	1	0	199.313	129.4	24.88	4.969	86.10242703
C252	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	17.65	2.83	0	27.92995307
C253	275.67	4/13/2017 12:50	1.69	0.01	0.31	0	0	0	0	0	0	1	0	1	0	0.73	0	373.573	1127.09	19.704	0.245	213.6673351
C254	228	4/13/2017 12:01	3.45	0.01	0.26	0	0	0	0	0	0	1	0	1	0	1	0	52.919	100.75	10.433	2.263	41.60787876
C256	213.3	4/13/2017 12:01	0.79	0	0.03	0	0	0	0	0	0	1	0	1	0	0	0	213.138	97.81	9.889	2.181	42.07480026
C259	281.87	4/13/2017 12:00	4.2	0.01	0.17	0	0	0	0	0	0	1	0	1	0	1	0	65.221	123.33	7.042	2.285	95.92554674
C26	6115.05	4/13/2017 13:31	8.15	0.01	0.18	0	0	0	0	0	0	1	0	1	0	0.3	0	178.631	537.16	23.499	11.384	275.1005474
C261	203.18	4/13/2017 12:00	10.5	0	0.03	0	0	0	0	0	0	1.65	0.96	0	0	0	0	62.728	59.69	5.597	3.404	19.1615387
C264	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	3.51	1	0	0	0	0	0	28.26	1.431	0	20.84770418
C266	628.73	4/13/2017 12:02	6.29	0.01	0.1	0	0	0	0	0	0	1	0	0.99	0.01	0.98	0	92.552	125.32	24.382	5.017	112.3286282
C267	630.47	4/13/2017 12:02	3.62	0.02	0.3	0	0	0	0	0	0	1	0	1	0	0.07	0	154.865	219.11	18.599	2.877	64.83544087
C27	6110.4	4/13/2017 13:30	6.03	0.28	0.56	0	0	0	0	0	0	1	0	1	0	0.51	0	177.482	508.79	21.167	12.01	61.07384787
C271	1024.12	4/13/2017 15:44	1.45	0.02	0.68	0	0.01	0.01	1.51	0.01	0.01	1	0	1	0	0.84	0	151.343	51.82	0.59	19.763	61.8527975
C272_1MAS	58.81	4/13/2017 12:10	0.42	0.01	0.51	0	0	0	0	0	0	1	0	1	0	0.65	0	228.467	41.53	2.987	1.416	86.06152527
C273	105.23	4/13/2017 12:07	2.39	0	0.03	0	0	0	0	0	0	1	0	0	0	0	0	160.063	132.63	8.743	0.793	390.3035927
C274	222.41	4/13/2017 12:02	6.24	0	0.12	0	0	0	0	0	0	1	0	0.89	0.11	1	0	46.672	109.68	5.121	2.028	57.96586681
C275	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	10.33	1.147	0	57.62233217
C276	30.5	4/13/2017 12:10	0.78	0	0.42	0	0	0	0	0	0	1	0	1	0	1	0	76.839	11.35	0.809	2.687	51.00076902
C277	118.7	4/13/2017 11:59	4.64	0	0.06	0	0	0	0	0	0	1	0	0	1	0.01	0	57.307	17.86	1.982	6.646	21.09852803
C278	118.69	4/13/2017 11:59	2.91	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	49.576	17.86	1.982	6.646	25.98207
C279	274.47	4/13/2017 12:45	1.46	0.03	0.18	0	0	0	0	0	0	1	0	1	0	0	0	143.65	1121.15	19.701	0.245	143.899356
C28	41441.15	4/13/2017 15:22	8.97	0.15	0.53	0	0	0	0	0	0	1	0	1	0	0.37	0	552.578	2385.35	211.463	17.373	183.3371347
C281_1	130.75	4/13/2017 12:23	0.3	0.01	0.34	0	0	0	0	0	0	1	0	1	0	0	0	479.073	77.13	4.449	1.695	36.7695558
C281_2	115.38	4/13/2017 12:36	7.94	0.86	0.68	0	0.01	0.01	1.92	2.19	0.01	1	0	0.96	0.04	0	0	0	77.13	4.449	1.496	23.90724869
C2812MAS_1	149.92	4/13/2017 12:01	3.64	0.02	0.15	0	0	0	0	0	0	1	0	1	0	0.99	0	70.046	47.46	3.25	3.159	134.5943364
C2812MAS_2	166.96	4/13/2017 12:03	2	0.02	0.25	0	0	0	0	0	0	1	0	1	0	1	0	130.717	53.37	3.657	3.128	229.9736641
C284	9.41	4/13/2017 12:10	7.79	1.76	0.65	0	0.01	4.35	0.01	3.35	0.01	1	0	0.04	0.96	0	0	0	11.35	0.809	0.829	8.675592876
C285	552.41	4/13/2017 12:00	3.67	0	0.07	0	0	0	0	0	0	1	0	1	0	0.92	0	144.974	204.41	17.113	2.702	83.73717941
C287	323.68	4/13/2017 12:02	2.65	0.02	0.93	0	0.01	0.01	4.73	0.01	0.01	1	0	1	0	0.72	0	197.298	147.44	11.763	2.195	100.1721832
C288	191.3	4/13/2017 12:00	2.29	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	103.299	92.88	9.508	2.06	161.3255713
C29	41455.3	4/13/2017 15:22	10.59	0.45	0.48	0	0	0	0	0	0	1	0	1	0	0	0	426.02	2232.33	191.465	18.57	240.5997201
C292	60.18	4/13/2017 13:32	0.22	0	0.11	0	0	0	0	0	0	1	0	1	0	0	0	294.959	88.12	5.594	0.683	96.83938055
C294	167.33	4/13/2017 12:22	0.67	0	0.33	0	0	0	0	0	0	1	0	1	0	0.79	0	464.386	77.13	4.449	2.169	32.864037
C295	694.55	4/13/2017 15:47	4.26	0.66	0.92	0	0.01	0.01	2.09	0.01	0.01	1	0	1	0	0.03	0	221.107	51.21	0.59	13.563	97.26419007
C298	179.93	4/13/2017 12:24	1.74	0.04	0.19	0	0	0	0	0	0	1	0	1	0	0	0	184.661	109.77	3.918	1.639	62.03586216

Conduits SWMM 25-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C3	46.31	4/13/2017 12:00	0.5	0.01	0.47	0	0	0	0	0	0	1	0	1	0	1	0	155.95	10.23	0.704	4.527	69.71947872
C302	161.72	4/13/2017 12:00	10.36	0	0.09	0	0	0	0	0	0	1	0	0	1	0	0	26.793	87.56	9.323	1.847	28.59325397
C303	550.33	4/13/2017 12:01	3.49	0	0.1	0	0	0	0	0	0	1	0	0.37	0.63	0.23	0	187.886	108.66	20.725	5.065	140.764432
C304	51.39	4/13/2017 11:58	0.39	0.01	0.9	0	0.01	0.01	1.48	0.01	0.01	1	0	1	0	0.8	0	486.34	11.35	0.809	4.528	33.66062832
C307	55.2	4/13/2017 11:49	8.91	1.76	1	0	0.47	0.62	0.5	0.27	0.35	1	0	0.95	0.05	0	0	0	12.26	1.413	4.502	12.0125052
C308	501.49	4/13/2017 12:01	3.7	0	0.06	0	0	0	0	0	0	1	0	0.58	0.42	0.41	0	123.97	195.8	16.616	2.561	66.79097402
C309	102.99	4/13/2017 12:05	0.27	0	0.25	0	0	0	0	0	0	1	0	1	0	0.61	0	571.978	71.37	5.124	1.443	54.17473271
C31	5829.84	4/13/2017 13:31	6.46	0.17	0.44	0	0	0	0	0	0	1	0	1	0	0.9	0	216.059	42.5	1.316	137.173	97.72591715
C313	125.37	4/13/2017 12:05	2.48	0.09	0.68	0	0.01	0.01	2.16	0.01	0.01	1	0	1	0	0.91	0	224.348	46.86	0.59	2.675	53.61233737
C314	143.53	4/13/2017 12:16	5.39	0	0.13	0	0	0	0	0	0	1	0	1	0	0.96	0	28.046	79.83	8.432	1.798	55.53291743
C316	87.53	4/13/2017 12:02	2.57	0	0.07	0	0	0	0	0	0	1	0	1	0	0.99	0	88.217	120.28	7.093	0.728	163.1361297
C318	41.25	4/13/2017 12:04	9.84	0.4	0.57	0	0.01	0.55	0.01	0.01	0.01	1	0	0	1	0	0	0	12.26	1.413	3.365	12.41600482
C319	283.96	4/13/2017 12:00	0.42	0	0.39	0	0	0	0	0	0	1	0	1	0	0.51	0	321.928	89.65	5.747	3.167	53.73439616
C32	5829.89	4/13/2017 13:31	5.05	0.47	0.63	0	0	0	0	0	0	1	0	1	0	0	0	231.787	42.5	1.316	137.174	54.65166332
C322	735.04	4/13/2017 15:01	0.39	0.01	0.58	0	0.01	0.01	0.38	0.01	0.01	1	0	1	0	1	0	465.339	693.14	41.121	1.06	733.8630283
C324	127.2	4/13/2017 14:55	0.44	0	0.31	0	0	0	0	0	0	1	0	1	0	0.92	0	344.359	40.02	1.275	3.178	137.4989318
C327	285.11	4/13/2017 12:09	9.71	1.01	0.65	0	0.01	0.63	0.01	1.24	0.01	1	0	0	1	0	0	0	86.23	7.185	3.306	22.21675142
C327_1	533.24	4/13/2017 12:00	1.38	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	156.607	104.93	20.288	5.082	83.29180752
C327_2	319.81	4/13/2017 12:01	12.28	0.78	0.65	0	0.01	0.61	0.01	0.81	0.01	1	0	0	1	0	0	0	104.93	20.288	3.048	18.13840738
C33	135.94	4/13/2017 12:16	12.22	0.79	0.73	0	0.01	1.07	0.01	1.34	0.01	1	0	0	1	0	0	0	79.83	8.432	1.703	19.43311302
C331	122.11	4/13/2017 12:04	0.97	0.02	0.17	0	0	0	0	0	0	1	0	1	0	1	0	186.039	44.15	0.59	2.766	74.79558667
C332	45.08	4/13/2017 12:02	1.02	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	143.031	112.07	6.922	0.402	68.82554415
C333	25.44	4/13/2017 12:19	2.56	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	47.066	11.35	0.809	2.241	65.70413028
C336MAS_1	42.14	4/13/2017 12:06	0.84	0.01	0.12	0	0	0	0	0	0	1	0	1	0	0.8	0	148.825	31.78	2.037	1.326	32.38993658
C336MAS_2	42.12	4/13/2017 12:15	0.76	0.01	0.23	0	0	0	0	0	0	1	0	1	0	0.27	0	191.648	33.39	2.295	1.261	196.1192634
C337	90.86	4/13/2017 12:13	0.34	0	0.44	0	0	0	0	0	0	1	0	1	0	1	0	627.045	64.28	3.59	1.414	130.8081344
C338	532.13	4/13/2017 12:05	4.61	0.01	0.13	0	0	0	0	0	0	1	0	1	0	0.97	0	133.056	109.92	9.675	4.841	111.5252425
C34	43781.54	4/13/2017 15:18	7.65	0.1	0.42	0	0	0	0	0	0	1	0	1	0	0	0	831.219	2181.01	185.82	20.074	281.4581849
C344	33.22	4/13/2017 12:44	8.19	0.45	0.56	0	0.01	1.61	0.01	0.01	0.01	1	0	0	1	0	0	0	25.46	3.457	1.305	23.12878875
C345	116.85	4/13/2017 13:08	0.55	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	259.893	123.84	10.356	0.944	210.9034659
C347	506	4/13/2017 12:00	12.32	0	0.06	0	0	0	0	0	0	1	0	0	1	0	0	47.815	100.39	19.68	5.04	65.7715178
C349	91.88	4/13/2017 12:11	2.45	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	105.936	62	3.587	1.482	32.01063858
C355	80.39	4/13/2017 12:12	9.14	0.35	0.38	0	0.01	0.01	0.01	0.71	0.01	1	0	0	1	0	0	0	30.38	2.581	2.646	25.99345033
C355_1	173.72	4/13/2017 12:14	1.34	0.01	0.45	0	0	0	0	0	0	1	0	1	0	1	0	117.531	57.98	2.554	2.996	91.338431
C355_3	124.3	4/13/2017 12:16	11.09	0.72	0.75	0	0.01	1.04	0.01	0.91	0.01	1	0	0.13	0.87	0	1	0	63.54	3.179	1.956	18.89011392
C355_4	197.96	4/13/2017 12:19	4.95	0.01	0.3	0	0	0	0	0	0	1	0	0.98	0.02	0.18	0	98.431	77.13	4.449	2.567	79.39256961
C358	24.56	4/13/2017 12:21	0.59	0	0.23	0	0	0	0	0	0	1	0	1	0	1	0	100.745	11.35	0.809	2.164	40.61900585
C359_2MAS	38.05	4/13/2017 12:21	2.34	0.01	0.14	0	0	0	0	0	0	1	0	1	0	0.05	0	52.114	30.31	1.951	1.255	47.4433487
C360	469.78	4/13/2017 12:01	8.35	0	0.09	0	0	0	0	0	0	1	0	0	1	0.32	0	48.773	94.13	18.052	4.991	35.98759358
C362	95.28	4/13/2017 12:24	0.38	0.01	0.59	0	0	0	0	0	0	1	0	1	0	0.5	0	739.631	23.96	0.004	3.977	46.82697041
C364	101.13	4/13/2017 12:10	2.82	0	0.05	0	0	0	0	0	0	1	0	0.41	0.59	0.4	0	151.535	68.95	5.012	1.467	159.4394495
C365	241.46	4/13/2017 12:04	11.78	0.38	0.56	0	0.01	0.01	0.01	0.28	0.01	1	0	0	1	0.67	0	0	61.04	5.874	3.956	20.10300074
C367	454.48	4/13/2017 12:01	15.03	0.36	0.49	0	0.01	0.01	0.01	0.44	0.01	1	0	0	1	0.93	0	0	90.95	17.282	4.997	26.24862426
C368	305.29	4/13/2017 11:59	2.76	0.01	0.35	0	0	0	0	0	0	1	0	1	0	0.11	0	218.142	62.03	6.97	4.922	108.8747442
C369	116.98	4/13/2017 12:06	1.73	0	0.09	0	0	0	0	0	0	1	0	1	0	0.98	0	276.491	29.96	2.065	3.905	280.1564956
C37	133.69	4/13/2017 12:02	0.92	0	0.2	0	0	0	0	0	0	1	0	1	0	0.92	0	313.374	72.19	7.265	1.852	41.92077788
C370	64.9	4/13/2017 12:04	1.16	0	0.08	0	0	0	0	0	0	1	0	1	0	0.38	0	211.564	36.79	1.257	1.764	163.7103961
C371	35.03	4/13/2017 12:01	0.28	0.01	0.31	0	0	0	0	0	0	1	0	1	0	1	0	324.757	7.36	0.133	4.76	157.7574982
C372	1315.21	4/13/2017 15:46	2.63	0.06	0.69	0	0.01	0.01	5.41	0.01	0.01	1	0	1	0	0.98	0	152.256	97.32	10.094	13.514	220.0562244
C375	70.88	4/13/2017 12:09	0.21	0	0.33	0	0	0	0	0	0	1	0	1	0	1	0	315.807	21.1	0.504	3.359	70.96284456
C376	25.22	4/13/2017 12:00	1.16	0	0.07	0	0	0	0	0	0	1	0	0.36	0.64	0	0	102.308	108.49	6.603	0.232	75.62876117
C379	225.18	4/13/2017 13:47	0.13	0	0.64	0	0.01	0.01	3.84	0.01	0.01	1	0	1	0	0.85	0	549.89	70.19	4.182	3.208	180.7254973
C38	45411.69	4/13/2017 14:56	8.94	0.83	0.8	0	0	0	0	0	0	1	0	1	0	0	0	454.854	1458.2	102.249	31.142	159.909851
C380	583.2	4/13/2017 12:00	3.27	0.01	0.2	0	0	0	0	0	0	1	0	1	0	1	0	141.691	104.32	17.075	5.59	200.8675595
C381	92.82	4/13/2017 12:10	1.15	0.02	0.15	0	0	0	0	0	0	1	0	1	0	1	0	221.437	55.65	3.587	1.668	92.24859241
C382	11.31	4/13/2017 12:00	1	0	0.03	0	0	0	0	0	0	1	0	0.1	0.9	0.02	0	115.002	2.24	0.032	5.049	34.67980907
C383	6.83	4/13/2017 14:34	8.41	1.25	1	0	1.69	24	1.69	5.68	1.69	1	0	0.08	0.92	0	0	0	61.67	3.56	0.111	7.735934405
C384_1	265.75	4/13/2017 12:05	2.86	0	0.31	0	0	0	0	0	0	1	0	1	0	1	0	91.403	75.2	4.602	3.534	93.36922559
C384_2	293.29	4/13/2017 12:01	1.96	0.06	0.61	0	0	0	0	0	0	1	0	1	0	0	0	154.504	86.64	5.604	3.385	115.4463832
C385	54.37	4/13/2017 12:03	1.38	0	0.18	0	0	0	0	0	0	1	0	1	0	0.67	0	383.402	16.68	0.004	3.26	67.17456695
C390_2	85.08	4/13/2017 12:18	0.51	0	0.35	0	0	0	0	0	0	1	0	1	0	1	0	185.304	42.37	4.096	2.008	156.1189413
C390_3	118.03	4/13/2017 12:05	2.14	0.01	0.24	0	0	0	0	0	0	1	0	1	0	1	0	67.54	42.37	4.096	2.786	231.9278726
C390_4	85.22	4/13/2017 12:17	13.04	0.34	0.52	0	0	0	0	0	0	1	0	0	1	0	0	0	42.37	4.096	2.011	12.77741866
C3932MAS	32.68	4/13/2017 12:19	1.33	0.01	0.18	0	0	0	0	0	0	1	0	0.08	0	0.07	0	124.735	25.95	1.79	1.259	127.726542
C394	22.32	4/13/2017 12:00	2.1	0	0.33	0	0	0	0	0	0	1	0	1	0	0.9	0	335.293	66.22	4.176	0.337	46.60398444
C395	290.12	4/13/2017 12:08	5.36	0	0.07	0	0	0	0	0	0	1	0	0.94	0.06	0.13	0	85.479	89.02	8.429	3.259	86.58401148
C399	438.15	4/13/2017 12:11	8.21	0.01	0.18	0	0	0	0	0	0	1	0	0.98	0.02	0.01	0	29.482	221.24	22.866	1.98	24.19472884
C3MAS	12.82	4/13/2017 12:21	4.11	0.93	1	0	7.81	7.81	11.69	0.01	0.01	1	0	1	0	0	0	0	41.53	2.987	0.309	20.08259341
C4	6043.18	4/13/2017 15:00	4.15	0.05	0.74	0	0	0	0	0	0	1	0	1	0	0.77	0	982.864	3151.85	232.619	1.917	425.0601043
C40	487.99	4/13/2017 12:47	5.81	0.43	1	0	11.36	11.36	12.53	2.64	1.33	1	0	0.96	0.04	0	0	0	1458.2	102.249	0.335	22.11400826

Conduits SWMM 25-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C400	247.12	4/13/2017 11:58	4.81	0	0.1	0	0	0	0	0	0	1	0	0.99	0.01	1	0	79.881	52.61	5.548	4.697	87.02244877
C401	114.4	4/13/2017 12:00	2.11	0.01	0.26	0	0	0	0	0	0	1	0	1	0	1	0	110.788	21.19	2.268	5.399	133.9160644
C402_1	423.88	4/13/2017 12:00	6.48	0.01	0.18	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	61.177	68.68	9.227	6.172	175.4773683
C402_2	588.95	4/13/2017 12:02	4.15	0.02	0.28	0	0	0	0	0	0	1	0	1	0	1	0	87.034	102.56	13.732	5.742	67.11048694
C403	117.14	4/13/2017 12:05	4.21	0.04	0.6	0	0.01	0.01	4.32	0.01	0.01	1	0	0.98	0.02	0.35	0	56.361	58.73	6.107	1.995	334.1539086
C405	83.8	4/13/2017 12:04	9.25	0.65	0.61	0	0.01	0.01	0.01	0.29	0.01	1	0	0.42	0.58	0.91	0	0	21.19	2.268	3.955	21.79815318
C407	210	4/13/2017 12:04	0.94	0.01	0.26	0	0	0	0	0	0	1	0	1	0	1	0	341.343	44.22	0.646	4.749	175.8891168
C407_2	167.14	4/13/2017 12:13	6.6	0.01	0.18	0	0	0	0	0	0	1	0	0.97	0.03	0	0	20.984	54.79	2.29	3.051	74.25473559
C409	72.39	4/13/2017 12:05	1.72	0	0.08	0	0	0	0	0	0	1	0	0.34	0.66	0.06	0	134.783	21.1	0.504	3.431	79.98427081
C41	1422.44	4/13/2017 12:44	6.16	0.05	0.4	0	0	0	0	0	0	1	0	1	0	0	0	276.219	2151.6	61.133	0.661	81.05941309
C410MAS	30.3	4/13/2017 12:17	2.23	0.08	0.35	0	0	0	0	0	0	1	0	1	0	0	0	83.277	24.21	1.67	1.252	42.45597066
C415_1	108.69	4/13/2017 12:08	3.35	0	0.12	0	0	0	0	0	0	1	0	1	0	0.1	0	47.458	33.96	2.599	3.201	144.4289489
C415_2	1334.66	4/13/2017 15:40	1.69	0.02	0.6	0	0.01	0.01	3.31	0.01	0.01	1	0	1	0	0.89	0	244.899	36.46	2.87	36.606	103.5527424
C416	501.23	4/13/2017 12:00	3.7	0.01	0.35	0	0	0	0	0	0	1	0	1	0	1	0	140.358	77.66	6.559	6.454	161.160858
C42	46385.49	4/13/2017 15:15	11.92	0.65	0.73	0	0	0	0	0	0	1	0	1	0	0.01	0	382.465	1458.2	102.249	31.81	124.6727298
C420	83.63	4/13/2017 12:05	5.89	0.01	0.18	0	0	0	0	0	0	1	0	0.44	0.56	0	0	30.107	21.19	2.268	3.947	83.55844296
C422	243.9	4/13/2017 12:00	4.23	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	76.136	56.35	9.165	4.328	47.62008234
C425	75.48	4/13/2017 12:16	2.22	0.01	0.19	0	0	0	0	0	0	1	0	0.99	0.01	1	0	195.861	56.32	4.431	1.34	156.0531183
C429	387.2	4/13/2017 12:04	14.93	0.48	0.63	0	0.01	0.48	0.01	0.01	0.01	1	0	0	1	0	0	0	101.24	8.943	3.825	18.27215226
C43	45711.67	4/13/2017 15:13	11.01	0.2	0.3	0	0	0	0	0	0	1	0	1	0	0	0	366.788	1440.67	100.39	31.729	72.62491378
C430	326.93	4/13/2017 12:01	3.95	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	66.976	67.53	11.548	4.841	158.994985
C432	828.67	4/13/2017 12:06	4.47	0.01	0.2	0	0	0	0	0	0	1	0	1	0	1	0	104.165	273.04	25.157	3.035	71.29426785
C434	32.21	4/13/2017 12:11	1.2	0	0.06	0	0	0	0	0	0	1	0	1	0	0	0	67.485	25.3	1.137	1.273	184.6886469
C435	244.85	4/13/2017 12:00	5.25	0	0.05	0	0	0	0	0	0	1	0	0	1	0.02	0	79.189	56.35	9.165	4.345	31.51830309
C436	50.35	4/13/2017 12:05	2.43	0.01	0.24	0	0	0	0	0	0	1	0	1	0	1	0	30.944	22.65	1.858	2.223	91.78040725
C438	292.82	4/13/2017 12:00	2.82	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	110.163	60.86	7.224	4.811	164.5280464
C439_2	46908.81	4/13/2017 15:26	7.6	0.41	0.56	0	0	0	0	0	0	1	0	1	0	0	0	732.064	3588.22	274.537	13.073	93.12037518
C439_3	46893.58	4/13/2017 15:27	8.27	0.44	0.54	0	0	0	0	0	0	1	0	1	0	0	0	701.788	3605.21	275.709	13.007	105.2336868
C439_4	46889.41	4/13/2017 15:27	9.43	0.24	0.51	0	0	0	0	0	0	1	0	1	0	0	0	650.346	3611.78	275.722	12.982	127.0072394
C439_5	46900.21	4/13/2017 15:26	7.87	0.4	0.55	0	0	0	0	0	0	1	0	1	0	0	0	716.984	3597.99	275.558	13.035	87.24249994
C44	1420.28	4/13/2017 12:44	3.32	0.48	0.62	0	0	0	0	0	0	1	0	1	0	0	0	253.314	2144.74	60.943	0.662	46.05864243
C440MAS	46875.29	4/13/2017 15:28	7.42	0.38	0.74	0	0	0	0	0	0	1	0	1	0	0	0	881.494	3874.93	293.395	12.097	160.1928221
C441	23.05	4/13/2017 12:05	10.08	0.89	0.68	0	0.01	1.26	0.01	0.01	0.01	1	0	0	1	0	0.92	0	15.54	1.258	1.483	11.68020967
C442	512.65	4/13/2017 12:00	8.48	0.01	0.12	0	0	0	0	0	0	1	0	0	1	0.02	0	117.266	91.07	15.037	5.629	128.6321898
C445	33.17	4/13/2017 12:46	3.14	0	0.05	0	0	0	0	0	0	1	0	0.01	0.99	0.01	0	67.88	25.46	3.457	1.303	160.6555192
C446	104.17	4/13/2017 12:00	6.34	0	0.05	0	0	0	0	0	0	1	0	0.74	0.26	0.92	0	21.117	36	2.727	2.894	160.3758464
C45	27.01	4/13/2017 12:04	8.13	0.2	0.29	0	0	0	0	0	0	1	0	0	1	0	0	0	6.37	1.005	4.24	20.13954333
C450	158.05	4/13/2017 12:00	5.36	0	0.1	0	0	0	0	0	0	1	0	0.06	0.94	0.09	0	31.423	66.59	4.628	2.373	88.63928021
C455_2	112.53	4/13/2017 12:05	1.28	0.02	0.21	0	0	0	0	0	0	1	0	1	0	0.1	0	281.66	25.09	1.179	4.485	52.03273954
C457	179.5	4/13/2017 11:56	4.91	0	0.06	0	0	0	0	0	0	1	0	0.99	0.01	1	0	68.597	41.06	4.202	4.372	50.27283279
C458_1	206.51	4/13/2017 12:01	2.82	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	51.223	50.9	4.137	4.057	162.6383483
C458_2	194.81	4/13/2017 12:04	0.72	0	0.5	0	0.01	0.01	3.3	0.01	0.01	1	0	1	0	1	0	532.531	50.9	4.137	3.827	297.8034184
C459	226.49	4/13/2017 12:03	0.94	0.01	0.23	0	0	0	0	0	0	1	0	1	0	0	0	112.728	102.76	10.589	2.204	62.56592821
C46	1415.53	4/13/2017 12:44	4.02	0.05	0.49	0	0	0	0	0	0	1	0	1	0	0.89	0	210.993	2133.03	60.405	0.664	76.56075662
C462	226.25	4/13/2017 12:00	3.61	0	0.34	0	0	0	0	0	0	1	0	1	0	0.97	0	206.568	41.92	5.06	5.397	96.98109204
C464	158.67	4/13/2017 11:55	2.96	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	69.863	23.72	3.128	6.689	70.19224678
C464_1	464.46	4/13/2017 11:57	1.95	0.01	0.27	0	0	0	0	0	0	1	0	1	0	0.97	0	189.85	74.84	7.158	6.206	115.7781789
C465	843.16	4/13/2017 12:05	1.55	0.02	0.39	0	0	0	0	0	0	1	0	1	0	0.94	0	166.391	273.04	25.157	3.088	60.42854614
C467	180.96	4/13/2017 12:02	0.91	0.01	0.22	0	0	0	0	0	0	1	0	1	0	0	0	646.962	50.69	2.464	3.57	64.76241
C469	182.62	4/13/2017 12:00	2.37	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	126.345	43.69	7.472	4.18	53.3276691
C47	24.71	4/13/2017 12:06	0.41	0.01	0.36	0	0	0	0	0	0	1	0	1	0	0.99	0	237.524	6.37	1.005	3.879	60.52346661
C473	111.8	4/13/2017 12:06	0.59	0	0.23	0	0	0	0	0	0	1	0	1	0	0.88	0	317.65	47.1	2.716	2.374	76.73471091
C474	130.09	4/13/2017 11:56	5.48	0	0.05	0	0	0	0	0	0	1	0	0	1	0.94	0	44.768	31.22	3.218	4.167	35.13367867
C475	297.75	4/13/2017 12:00	1.04	0	0.43	0	0	0	0	0	0	1	0	1	0	1	0	126.557	46.02	4.611	6.47	231.3553719
C479	242.29	4/13/2017 12:00	3.55	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	94.051	50.35	6.582	4.812	74.32716241
C48	1415.39	4/13/2017 12:43	3.97	0.07	0.33	0	0	0	0	0	0	1	0	1	0	0	0	210.803	2130.18	60.328	0.664	61.0197838
C480	183.46	4/13/2017 12:00	6.14	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	56.055	43.69	7.472	4.199	23.47391906
C481	244.31	4/13/2017 12:06	15.58	0.28	0.43	0	0	0	0	0	0	1	0	0.05	0.95	0.05	0	0	111.87	12.188	2.184	15.73255349
C482	44.23	4/13/2017 12:04	0.81	0	0.51	0	0.01	0.01	3.25	0.01	0.01	1	0	1	0	1	0	106.161	16.41	2.581	2.695	380.1235138
C483	20.27	4/13/2017 12:01	1.06	0	0.03	0	0	0	0	0	0	1	0	1	0	0.99	0	123.534	4.29	0	4.725	223.208074
C484	162.81	4/13/2017 12:00	3.03	0.01	0.13	0	0	0	0	0	0	1	0	1	0	0.93	0	130.243	29.92	3.863	5.442	14.28507887
C486	454.1	4/13/2017 12:00	4.92	0.01	0.13	0	0	0	0	0	0	1	0	1	0	1	0	67.465	69.44	6.079	6.539	96.37797001
C488	153.51	4/13/2017 12:00	1.63	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	148.963	38.77	3.874	3.96	66.80557611
C489	161.05	4/13/2017 12:01	0.68	0.01	0.43	0	0	0	0	0	0	1	0	1	0	1	0	363.164	34.29	1.802	4.697	84.35191237
C49	1415.17	4/13/2017 12:42	3.75	0.12	0.41	0	0	0	0	0	0	1	0	1	0	0.23	0	218.424	2126.76	60.27	0.665	44.7390794
C493	293.78	4/13/2017 12:00	1.02	0	0.12	0	0	0	0	0	0	1	0	1	0	0	0	142.466	56.42	9.439	5.207	83.3960956
C494	170.77	4/13/2017 12:00	2.27	0	0.1	0	0	0	0	0	0	1	0	0.33	0.67	0.61	0	149.664	32.55	0.671	5.246	50.89834547
C497	244.22	4/13/2017 12:07	1.72	0	0.45	0	0	0	0	0	0	1	0	1	0	0.94	0	145.006	111.87	12.188	2.183	94.49768804
C498	239.88	4/13/2017 12:01	1.28	0.01	0.32	0	0	0	0	0	0	1	0	1	0	0.96	0	168.54	58.47	5.596	4.103	36.65949323
C499	431.71	4/13/2017 11:59	4.16	0	0.1	0	0	0	0	0	0	1	0	0.04	0.96	0.03	0	162.153	65.76	6.774	6.565	66.96488746

Conduits SWMM 25-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C5	6066.05	4/13/2017 13:54	6.41	0.07	0.68	0	0	0	0	0	0	1	0	1	0	0.77	0	790.205	890.28	40.185	6.814	151.7633282
C50	1415.49	4/13/2017 12:42	3.99	0.04	0.31	0	0	0	0	0	0	1	0	1	0	0.79	0	201.745	2120.77	59.803	0.667	58.34894834
C502	497.66	4/13/2017 12:00	5.55	0	0.09	0	0	0	0	0	0	1	0	0.98	0.02	1	0	158.829	88.08	14.287	5.65	108.3753899
C504_1	195.51	4/13/2017 12:00	2.19	0.01	0.17	0	0	0	0	0	0	1	0	1	0	0.99	0	245.97	33.66	1.659	5.808	71.33095669
C504_2	136.5	4/13/2017 11:56	0.67	0.01	0.33	0	0	0	0	0	0	1	0	1	0	0.77	0	465.541	33.66	1.659	4.055	91.47987223
C505	117.63	4/13/2017 12:00	2.03	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	126.07	19.23	2.117	6.117	59.57647947
C506	366.8	4/13/2017 12:00	6	0.03	0.22	0	0	0	0	0	0	1	0	1	0	0.93	0	54.939	58.76	7.319	6.242	71.34460099
C507	32074.01	4/13/2017 14:30	8.65	0.17	0.42	0	0	0	0	0	0	1	0	1	0	0.05	0	395.887	5.04	0	6363.891	125.6145275
C51	1415.24	4/13/2017 12:41	4.17	0.04	0.28	0	0	0	0	0	0	1	0	1	0	0.81	0	185.667	2113.44	59.649	0.67	69.13013338
C510	258.57	4/13/2017 12:00	21.15	0.37	0.45	0	0	0	0	0	0	1	0	0	1	0	0	0	39.87	3.574	6.485	28.20373075
C516	92.03	4/13/2017 11:55	1.22	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	55.611	13.01	1.687	7.074	76.93914614
C516_1	145.26	4/13/2017 12:20	9.2	0.67	0.7	0	0.01	0.01	0.01	1.39	0.01	1	0	0.73	0.27	0.86	0	0	67.92	5.397	2.139	21.55995503
C516_2	61.66	4/13/2017 12:13	0.69	0	0.26	0	0	0	0	0	0	1	0	1	0	1	0	194.706	20.48	2.44	3.011	138.7893971
C516_4	143.64	4/13/2017 12:27	0.84	0.01	0.54	0	0	0	0	0	0	1	0	1	0	1	0	755.031	67.92	5.397	2.115	200.5896403
C518	304.36	4/13/2017 12:06	1.78	0	0.12	0	0	0	0	0	0	1	0	1	0	0.99	0	107.088	42.83	7.169	7.106	36.76875809
C519	89.67	4/13/2017 12:01	1.15	0.01	0.19	0	0	0	0	0	0	1	0	1	0	1	0	246.086	20.78	2.51	4.315	239.9293318
C52	1415.9	4/13/2017 12:41	7.17	0.01	0.18	0	0	0	0	0	0	1	0	1	0	0.58	0	103.309	2110.74	59.649	0.671	80.46036507
C524	182.89	4/13/2017 12:01	4.4	0	0.07	0	0	0	0	0	0	1	0	1	0	0	0	62.072	33.88	4.505	5.398	40.57091779
C53	30999.99	4/13/2017 14:48	8.51	0.74	0.96	0	0	0	0	0	0	1	0	1	0	0.73	0	588.344	676.02	38.467	45.857	255.6324535
C530	167.34	4/13/2017 12:00	5.07	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	66.57	40.66	6.974	4.116	69.33206449
C532	46.78	4/13/2017 12:04	2.62	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	31.032	21.38	1.725	2.188	106.7262773
C537	115.33	4/13/2017 12:01	3.33	0	0.04	0	0	0	0	0	0	1	0	0	0	0	0	75.634	19.23	2.117	5.997	146.0741518
C538	242.14	4/13/2017 12:00	4.42	0	0.04	0	0	0	0	0	0	1	0	0.98	0.02	0.99	0	90.149	37.53	0.235	6.452	35.09518652
C540	405.3	4/13/2017 11:58	4.64	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	125.478	61.37	6.774	6.604	39.51517887
C543	162.04	4/13/2017 12:04	8.7	0	0.06	0	0	0	0	0	0	1	0	0.3	0.7	0.15	0	23.405	36.15	1.864	4.482	46.99171082
C546	36.74	4/13/2017 12:08	1.32	0	0.11	0	0	0	0	0	0	1	0	1	0	0.04	0	142.77	24.45	2.144	1.503	56.60486786
C548	44.62	4/13/2017 12:14	3.83	0	0.09	0	0	0	0	0	0	1	0	0.98	0.02	0.03	0	26.508	20.49	0.368	2.178	58.69268694
C55	1407.32	4/13/2017 12:40	3.67	0.01	0.17	0	0	0	0	0	0	1	0	1	0	1	0	245.31	2097.12	59.175	0.671	52.11268276
C551	1042.03	4/13/2017 14:58	3.42	0.04	0.37	0	0	0	0	0	0	1	0	1	0	0.94	0	115.86	684.31	38.899	1.523	97.86119837
C555	163.36	4/13/2017 12:01	1.47	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	153.097	38.17	1.47	4.28	42.44150584
C556	1032.52	4/13/2017 14:59	9.89	0.63	0.78	0	0.01	0.22	0.01	1.67	0.01	1	0	0.94	0.06	0.92	0	0	684.31	38.899	1.509	17.74305044
C557	614.37	4/13/2017 12:00	3.96	0.01	0.16	0	0	0	0	0	0	1	0	1	0	0.05	0	173.233	215.1	18.123	2.856	89.16588522
C558	50.47	4/13/2017 12:05	1.34	0	0.07	0	0	0	0	0	0	1	0	1	0	0	0	134.986	20.75	1.168	2.432	306.9515064
C56	45748.45	4/13/2017 15:16	9.59	0.04	0.26	0	0	0	0	0	0	1	0	1	0	0.45	0	517.313	1433.62	99.695	31.911	119.8122801
C561	143.17	4/13/2017 12:01	3.75	0.01	0.08	0	0	0	0	0	0	1	0	0	1	0	0	123.592	30.83	1.802	4.644	74.17230942
C562	6047.38	4/13/2017 13:52	7.56	0.3	1	0	1.23	1.23	2.84	3.09	0.01	1	0	1	0	0	0	0	802.92	36.077	7.532	26.12980272
C563	367.42	4/13/2017 11:59	8.63	0	0.04	0	0	0	0	0	0	1	0	0	1	0.02	0	55.286	58.76	7.319	6.253	58.64910166
C565	56.79	4/13/2017 12:00	1.16	0.01	0.19	0	0	0	0	0	0	1	0	1	0	1	0	102.757	15.44	0.684	3.678	208.316227
C568	131.07	4/13/2017 11:55	4.83	0	0.05	0	0	0	0	0	0	1	0	0.97	0.03	0.99	0	46.324	31.22	3.218	4.198	132.5070747
C57	1399.55	4/13/2017 12:39	4.48	0.03	0.2	0	0	0	0	0	0	1	0	1	0	0	0	218.063	2079.64	58.53	0.673	153.8606882
C571	106.44	4/13/2017 12:11	0.4	0	0.17	0	0	0	0	0	0	1	0	1	0	0	0	175.946	46.97	3.062	2.266	59.53609066
C573	135.72	4/13/2017 12:01	1.23	0.01	0.14	0	0	0	0	0	0	1	0	1	0	1	0	166.769	27.25	2.408	4.981	256.8617972
C575_1	191.36	4/13/2017 12:01	1.44	0	0.13	0	0	0	0	0	0	1	0	1	0	0.99	0	86.988	30.75	3.806	6.223	60.29695914
C575_3	216.44	4/13/2017 12:02	10.97	0.65	0.65	0	0.01	0.2	0.01	0.44	0.01	1	0	0	1	0	0	0	45.91	6.038	4.714	20.17222209
C575_4	216.38	4/13/2017 12:02	5.37	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	63.873	45.91	6.038	4.713	40.24326432
C577	166.05	4/13/2017 12:00	0.87	0	0.07	0	0	0	0	0	0	1	0	1	0	0.7	0	455.485	28.37	1.711	5.853	109.1849166
C58	1385.68	4/13/2017 12:36	6.64	0.02	0.24	0	0	0	0	0	0	1	0	1	0	0	0	83.68	2043.21	57.208	0.678	152.3775871
C580_1	179.56	4/13/2017 11:55	3.24	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	69.812	26.27	2.992	6.835	151.6202521
C580_2	502.19	4/13/2017 12:00	5.97	0.01	0.11	0	0	0	0	0	0	1	0	0.95	0.05	0.91	0	87.744	195.8	16.616	2.565	20.2965832
C581	443.29	4/13/2017 12:00	11.65	0.01	0.1	0	0	0	0	0	0	1	0	0	1	0	0	75.041	79.29	13.518	5.591	89.33854106
C582	62.62	4/13/2017 12:09	2.28	0.01	0.15	0	0	0	0	0	0	1	0	0.13	0.87	0.06	0	114.173	20.48	2.44	3.058	60.6027071
C587	276.4	4/13/2017 12:00	7.83	1.17	0.92	0	0.01	1.16	0.01	1	0.01	1	0	0.85	0.15	0	0	0	243.55	22.026	1.135	12.78600265
C588	21.22	4/13/2017 11:55	2.12	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	16.473	2.87	0.718	7.394	77.87945972
C588MAS	226.21	4/13/2017 11:58	7.94	0	0.07	0	0	0	0	0	0	1	0	0.89	0.11	0	0	39.337	33.5	4.922	6.753	77.87945972
C59	25.65	4/13/2017 12:00	0.35	0	0.31	0	0	0	0	0	0	1	0	1	0	1	0	174.27	4.72	0.099	5.434	174.5313613
C59_1	1375.79	4/13/2017 12:31	6.47	0.01	0.2	0	0	0	0	0	0	1	0	0.08	0.92	0.04	0	145.961	1990.45	52.764	0.691	76.87332412
C59_2	1391.61	4/13/2017 12:31	2.94	0.01	0.29	0	0	0	0	0	0	1	0	1	0	0.94	0	217.163	2022.3	56.056	0.688	73.66572095
C590	144.19	4/13/2017 12:01	5.29	0	0.08	0	0	0	0	0	0	1	0	0.02	0.98	0	0	50.617	36.12	5.958	3.992	74.80070063
C591	89.09	4/13/2017 12:04	1.82	0	0.05	0	0	0	0	0	0	1	0	1	0	0.99	0	145.891	18.35	0.87	4.855	185.2689708
C592	149.42	4/13/2017 12:00	2.66	0	0.03	0	0	0	0	0	0	1.27	0	1	0	1	0	205.66	24.9	1.641	6.001	169.889491
C593	1551.64	4/13/2017 13:11	12.1	2.55	1	0	3.28	4.84	3.28	9.24	3.28	1	0	1	0	0	0.02	0	643.06	25.39	2.413	17.0160706
C596	157.56	4/13/2017 11:59	0.56	0	0.22	0	0	0	0	0	0	1	0	1	0	0.88	0	285.054	24.44	3.427	6.447	15.54866378
C6	6095.5	4/13/2017 13:55	6.88	0.2	0.64	0	0	0	0	0	0	1	0	1	0	0.63	0	326.7	890.28	40.185	6.847	115.8627024
C60	43549	4/13/2017 15:17	11.03	9.93	0.81	0	0.01	0.01	0.01	8.35	0.01	1	0	1	0	0	0	405.377	1392.7	96.443	31.269	205.217882
C604	59.49	4/13/2017 13:40	12.33	0.26	0.44	0	0	0	0	0	0	1	0	0	1	0	0	0	90.66	5.859	0.656	14.81044054
C605	163.2	4/13/2017 12:00	2.33	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	111.562	27.47	3.808	5.941	107.7632645
C606	133.6	4/13/2017 12:01	3.88	0	0.07	0	0	0	0	0	0	1	0	0.98	0.02	0	0	81.091	28.25	1.341	4.729	69.69101076
C607MAS	52.79	4/13/2017 12:00	1.75	0	0.05	0	0	0	0	0	0	1	0	1	0	0.99	0	99.182	16.41	2.581	3.217	159.0629574
C61	1207.81	4/13/2017 12:30	2.46	0.02	0.29	0	0	0	0	0	0	1	0	1	0	1	0	251.034	1907.07	47.333	0.633	258.2008188
C611	76.47	4/13/2017 12:00	0.54	0	0.41	0	0	0	0	0	0	1	0	1	0	1	0	557.691	16.81	3.111	4.549	146.5479538

Conduits SWMM 25-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C613	314.53	4/13/2017 11:58	5.88	0	0.06	0	0	0	0	0	0	1.05	0	0.98	0.02	1	0	75.55	50.69	6.821	6.205	42.5319525
C614	808.39	4/13/2017 12:00	2.42	0	0.16	0	0	0	0	0	0	1	0	0.3	0.7	0.31	0	171.53	248.91	22.713	3.248	15.71248359
C615	111.11	4/13/2017 12:01	3.26	0	0.04	0	0	0	0	0	0	1	0	0.98	0.02	0.64	0	92.88	24.07	1.511	4.616	224.7011569
C619	158.74	4/13/2017 12:04	1.61	0	0.22	0	0	0	0	0	0	1	0	1	0	1	0	114.665	43.7	2.65	3.632	127.091437
C62	112.21	4/13/2017 12:06	2.15	0	0.03	0	0	0	0	0	0	1	0	1	0	0.01	0	162.844	25.09	1.179	4.472	45.78873398
C62_1	32030.06	4/13/2017 14:40	7.88	0.38	0.73	0	0	0	0	0	0	1	0	1	0	0.58	0	566.763	647.82	37.727	49.443	314.4870404
C62_2	31984.04	4/13/2017 14:49	8.76	1.19	0.72	0	0.01	0.01	0.01	1.73	0.01	1	0	1	0	0	0	566.182	674.15	38.21	47.444	172.6441228
C621	218.22	4/13/2017 11:59	4.73	0	0.04	0	0	0	0	0	0	1	0	0.96	0.04	0.99	0	91.183	33.64	0.205	6.487	102.1045761
C622	111.67	4/13/2017 12:01	3.63	0	0.07	0	0	0	0	0	0	1	0	0.99	0.01	0.89	0	102.146	21.65	0	5.158	154.9477958
C623	94.59	4/13/2017 12:01	3.82	0	0.05	0	0	0	0	0	0	1	0	0.97	0.03	0.24	0	66.689	18.35	0.87	5.155	40.59839503
C627	217.42	4/13/2017 12:01	1.63	0.01	0.1	0	0	0	0	0	0	1	0	1	0	0.84	0	261.401	44.22	0.646	4.917	49.09114328
C63	179.76	4/13/2017 11:59	9.15	0.23	0.58	0	0	0	0	0	0	1	0	0	1	0	0.99	0	50.69	6.821	3.546	16.59619899
C630	199.02	4/13/2017 11:57	3.13	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	123.815	29.05	2.632	6.851	114.2815786
C631	121.97	4/13/2017 12:00	4.76	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	67.638	23	2.1	5.303	67.41168951
C632	133.97	4/13/2017 12:01	3.54	0.01	0.2	0	0	0	0	0	0	1	0	0.14	0.86	0.15	0	81.967	28.25	1.341	4.742	19.22618172
C638	102.58	4/13/2017 12:08	0.71	0.01	0.45	0	0	0	0	0	0	1	0	1	0	0.76	0	247.896	32.1	1.839	3.196	49.85429472
C639	81.71	4/13/2017 11:55	7	0	0.05	0	0	0	0	0	0	1	0	0.86	0.14	1	0	15.42	12.95	0.935	6.31	60.7477224
C64	283.58	4/13/2017 12:24	3.47	0.05	0.27	0	0	0	0	0	0	1	0	1	0	0	0	86.72	177.14	7.223	1.601	52.53462319
C640	85.64	4/13/2017 11:55	3.27	0	0.07	0	0	0	0	0	0	1	0	0.13	0.87	0.11	0	56.038	24.67	2.91	3.471	77.60977183
C642	140.05	4/13/2017 11:59	2.97	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	133.963	23.57	3.483	5.942	24.95127923
C648	113.26	4/13/2017 12:00	3.75	0.02	0.13	0	0	0	0	0	0	1	0	1	0	0.88	0	52.898	21.65	0	5.231	19.59420833
C65	32044.32	4/13/2017 14:40	6.59	0.23	0.63	0	0	0	0	0	0	1	0	1	0	0.4	0	493.941	647.82	37.727	49.465	83.50623791
C650	169.57	4/13/2017 12:00	2.79	0	0.08	0	0	0	0	0	0	1	0	1	0	0.98	0	177.373	28.92	1.421	5.863	139.5711629
C652	203.68	4/13/2017 11:56	2.08	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	54.156	31.11	1.867	6.547	139.1977048
C653	35.91	4/13/2017 12:29	2.58	0	0.06	0	0	0	0	0	0	1	0	0.13	0.87	0.04	0	72.683	26.74	2.315	1.343	149.4372706
C655	44.64	4/13/2017 12:06	0.46	0	0.35	0	0	0	0	0	0	1	0	1	0	0.5	0	473.282	7.82	0.952	5.708	64.6524249
C656	49.2	4/13/2017 12:04	0.11	0	0.56	0	0.01	0.01	3.92	0.01	0.01	1	0	1	0	1	0	472.689	17.06	0.002	2.884	153.6927115
C658	139.8	4/13/2017 11:55	2.91	0.01	0.22	0	0	0	0	0	0	1	0	0.12	0.88	0.1	0	97.03	21.56	3.01	6.484	48.18653196
C66	267.3	4/13/2017 12:24	3.54	0.01	0.16	0	0	0	0	0	0	1	0	1	0	1	0	83.906	166.78	6.222	1.603	70.75172113
C663	64.39	4/13/2017 12:00	2.13	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	80.595	14.89	1.42	4.324	37.06898031
C664	197.94	4/13/2017 11:57	5.32	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	75.328	30.33	0.2	6.526	25.34246888
C665	223.53	4/13/2017 14:24	0.63	0.01	0.65	0	0.01	0.01	4.72	0.01	0.01	1	0	1	0	0.92	0	259.127	90.66	5.859	2.466	47.69626971
C666MAS	226.77	4/13/2017 11:57	3.57	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	79.356	33.5	4.922	6.769	59.1894643
C667	81.92	4/13/2017 11:55	6.13	0	0.08	0	0	0	0	0	0	1	0	0	1	0.05	0	26.469	12.95	0.935	6.326	15.91696794
C67	32048.42	4/13/2017 14:39	7.43	0.07	0.43	0	0	0	0	0	0	1	0	1	0	0.46	0	456.683	643.05	37.727	49.838	50.37565958
C670	333.35	4/13/2017 12:00	5.66	0	0.08	0	0	0	0	0	0	1	0	0.06	0.94	0.09	0	66.71	50.13	4.88	6.65	120.6191417
C675	789.97	4/13/2017 12:01	3.33	0.01	0.17	0	0	0	0	0	0	1	0	1	0	1	0	212.152	248.91	22.713	3.174	56.16276022
C677	31.99	4/13/2017 12:08	0.99	0	0.09	0	0	0	0	0	0	1	0	1	0	0.98	0	145.471	21.67	2.118	1.476	134.2030616
C679	35.61	4/13/2017 12:08	0.96	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	201.297	10.86	0.504	3.279	329.1234574
C68	32050.11	4/13/2017 14:39	7.66	0.18	0.63	0	0	0	0	0	0	1	0	1	0	0.4	0	445.233	634.58	37.727	50.506	17.04373128
C680	69.97	4/13/2017 12:25	8.15	0.6	0.58	0	0.01	0.99	0.01	1.33	0.01	1	0	0	1	0	0	0	51.58	3.371	1.357	18.14633933
C685	7.48	4/13/2017 13:00	5.71	1.12	0.79	0	0.01	3.89	0.01	1.54	0.01	1	0	0.06	0.94	0	0	0	15.82	0.944	0.473	14.5707176
C686	41.74	4/13/2017 12:00	1.35	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	95.644	10.55	1.001	3.956	310.3546065
C687	45.22	4/13/2017 13:06	6.77	1.81	0.9	0	0.01	12.01	0.01	16.69	0.01	1	0	0.03	0.97	0	0	0	1333.52	27.051	0.034	17.51307543
C688	85.6	4/13/2017 12:00	0.9	0	0.22	0	0	0	0	0	0	1	0	1	0	1	0	185.644	20.51	2.817	4.174	137.3731972
C69	0.84	4/13/2017 12:12	3.82	0.07	0.18	0	0	0	0	0	0	1	0	0	0	0	0	0	55.08	4.06	0.015	16.2613555
C69_1	192.99	4/13/2017 12:24	1.91	0.04	0.31	0	0	0	0	0	0	1	0	1	0	1	0	208.071	118.01	4.376	1.635	36.74297254
C69_2	259.82	4/13/2017 12:23	2.3	0.29	0.66	0	0	0	0	0	0	1	0	1	0	1	0	156.381	160.06	5.898	1.623	69.26440726
C693	80.33	4/13/2017 12:00	2.96	0	0.06	0	0	0	0	0	0	1	0	1	0	0.99	0	83.299	17.09	1.741	4.7	183.4072967
C696	237.85	4/13/2017 11:56	5.76	0	0.05	0	0	0	0	0	0	1	0	0.96	0.04	0.99	0	74.113	41.11	4.341	5.786	62.23656558
C697	151.29	4/13/2017 12:00	1.76	0.01	0.43	0	0	0	0	0	0	1	0	1	0	1	0	76.62	23.58	2.384	6.416	167.1623293
C7	6100.41	4/13/2017 13:55	8.17	0.11	0.58	0	0	0	0	0	0	1	0	1	0	0.62	0	219.899	890.28	40.185	6.852	29.0911221
C70	32057.12	4/13/2017 14:39	7.72	0.36	0.62	0	0	0	0	0	0	1	0	1	0	0	0	434.064	617.77	34.617	51.892	63.16339261
C701	27.62	4/13/2017 12:05	0.5	0	0.19	0	0	0	0	0	0	1	0	1	0	1	0	153.685	8.81	0	3.135	191.0507175
C705	97.43	4/13/2017 12:00	2.61	0	0.04	0	0	0	0	0	0	1	0	1	0	0.86	0	91.931	17.94	2.482	5.431	240.4514975
C709	48.43	4/13/2017 12:06	1.49	0.01	0.15	0	0	0	0	0	0	1	0	1	0	0.21	0	153.83	20.49	0.368	2.364	148.8004995
C71	18.58	4/13/2017 11:55	1.17	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	55.403	2.71	0.339	6.856	127.3681991
C71_1	15273.2	4/13/2017 16:26	9.26	1.4	1	0	2.56	2.59	2.57	2.67	2.19	1	0	1	0	0	0	291.25	638.61	50.638	23.916	33.81947739
C71_2	15282.99	4/13/2017 16:27	9.27	1	1	0	2.57	2.57	3.14	0.23	0.26	1	0	1	0	0.7	0	291.25	642.07	50.665	23.803	271.6305378
C71_5	16185.81	4/13/2017 16:20	9.81	1.19	1	0	3.12	3.14	3.31	1.81	1.76	1	0	1	0	0.37	0	291.25	716.68	57.976	22.584	119.7380623
C712	37.6	4/13/2017 12:10	1.86	0.01	0.16	0	0	0	0	0	0	1	0	1	0	0.02	0	105.05	11.6	1.712	3.241	79.57262322
C713	200.42	4/13/2017 11:56	5.76	0.01	0.1	0	0	0	0	0	0	1	0	0	1	0	0	84.871	29.05	2.632	6.899	64.38051066
C715	140.09	4/13/2017 11:59	6.52	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	57.702	23.57	3.483	5.944	51.44785567
C716	134.46	4/13/2017 12:00	3.86	0	0.05	0	0	0	0	0	0	1	0	0.97	0.03	1	0	86.245	28.25	1.341	4.76	63.7972595
C719	60.07	4/13/2017 12:00	0.79	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	93.262	10.6	1.475	5.667	107.8913053
C72	850.44	4/13/2017 12:28	4.7	0.02	0.16	0	0	0	0	0	0	1	0	1	0	0	0	77.164	1666.89	37.553	0.51	196.3314291
C721	167.3	4/13/2017 11:56	6.66	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	52.685	31.55	3.457	5.303	18.24416074
C722	85.27	4/13/2017 12:02	2.47	0	0.07	0	0	0	0	0	0	1	0	1	0	0.98	0	104.292	21.65	0.587	3.939	454.4580438
C723	17.18	4/13/2017 12:00	1.08	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	66.333	4.06	0.822	4.232	84.29907628
C726	174.32	4/13/2017 11:55	2.47	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	104.715	23.42	5.734	7.443	79.99594216

Conduits SWMM 25-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C728	90.53	4/13/2017 12:01	0.41	0	0.15	0	0	0	0	0	0	1	0	1	0	0.91	0	300.097	20.88	1.241	4.336	43.28864271
C73	16422.99	4/13/2017 16:17	7.04	0.3	0.7	0	0	0	0	0	0	1	0	1	0	0	0	978.939	635.39	50.168	25.847	38.58734161
C733	151.02	4/13/2017 11:55	0.36	0	0.34	0	0	0	0	0	0	1	0	1	0	0.95	0	201.824	21.53	2.292	7.014	135.2549052
C74	9.21	4/13/2017 12:05	0.53	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	133.471	2.5	0.116	3.684	542.9572043
C741	68.34	4/13/2017 12:00	2.8	0	0.06	0	0	0	0	0	0	1	0	0.06	0.94	0.01	0	72.94	13.41	0	5.096	23.03913121
C746	61.56	4/13/2017 12:00	12.55	0.62	0.78	0	0.01	0.75	0.01	0.01	0.01	1	0	0.02	0.98	0	0.99	0	21.13	1.299	2.913	13.64841276
C75	842.84	4/13/2017 12:26	3.46	0.01	0.17	0	0	0	0	0	0	1	0	1	0	1	0	105.361	1656.15	37.249	0.509	96.80584104
C750	288.62	4/13/2017 12:51	3.21	0.02	0.19	0	0	0	0	0	0	1	0	1	0	0.57	0	127.427	396.18	15.51	0.729	121.076197
C754	177.9	4/13/2017 11:58	7.25	0	0.08	0	0	0	0	0	0	1	0	0	1	0	0	45.915	26.88	2.741	6.618	92.25955331
C758	147.29	4/13/2017 12:00	8.17	0	0.05	0	0	0	0	0	0	1	0	0.78	0.22	1	0	21.963	23.3	0.765	6.321	86.23885994
C76	32068.35	4/13/2017 14:37	9.89	0.79	0.39	0	0	0	0	0	0	1	0	1	0	0	0	309.49	610.86	34.495	52.497	167.1829351
C761	36.6	4/13/2017 12:05	7.96	1.89	0.62	0	0.01	0.01	2.24	1.14	0.01	1	0	0.98	0.02	0	0	0	25.95	1.273	1.41	13.85043583
C765	200.7	4/13/2017 12:00	4.28	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	69.002	30.41	3.152	6.6	80.37628672
C769	101.61	4/13/2017 12:03	2.44	0.01	0.13	0	0	0	0	0	0	1	0	1	0	0.96	0	92.93	22.11	1.432	4.596	184.7060744
C77	32072.7	4/13/2017 14:37	12.67	0.08	0.4	0	0	0	0	0	0	1	0	1	0	0	0	301.652	606.05	34.471	52.921	30.52697529
C771	35.96	4/13/2017 12:27	8.56	0.57	0.58	0	0.01	1.56	0.01	0.01	0.01	1	0	0.01	0.99	0	0.9	0	26.74	2.315	1.345	24.01087647
C775MAS	199.84	4/13/2017 11:57	11	0	0.09	0	0	0	0	0	0	1	0	0	1	0	0	28.968	29.1	4.329	6.867	41.18222053
C776	108.43	4/13/2017 12:05	2.71	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	94.547	25.95	1.273	4.178	267.4841651
C779	97.09	4/13/2017 12:00	1.43	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	199.559	23.66	3.343	4.104	74.14352223
C78	6.32	4/13/2017 11:58	4.63	0.75	0.72	0	0	0	0	0	0	1	0	0	0	0	0	0	22.85	2.809	0.277	30.06723036
C781	167.67	4/13/2017 11:55	4.1	0	0.07	0	0	0	0	0	0	1	0	0.16	0.84	0.95	0	83.774	31.55	3.457	5.314	53.89135686
C784	93.49	4/13/2017 11:55	3.7	0	0.08	0	0	0	0	0	0	1	0	0.99	0.01	1	0	62.635	16.47	3.39	5.676	99.51844873
C788	104.93	4/13/2017 12:00	8.15	0	0.06	0	0	0	0	0	0	1.12	0	0.79	0.21	1	0	16.621	16.81	0.518	6.242	20.33593984
C79	26.78	4/13/2017 12:00	1.4	0	0.01	0	0	0	0	0	0	1	0	1	0	1	0	57.047	5.59	0.245	4.791	176.7474429
C79_1	24628.98	4/13/2017 15:37	6.56	0.09	0.65	0	0	0	0	0	0	1	0	1	0	0.46	0	890.198	576.72	45.012	42.705	43.87699036
C79_3	16547.39	4/13/2017 16:10	4.88	0.11	0.66	0	0	0	0	0	0	1	0	1	0	0.42	0	894.29	587.49	46.682	28.166	145.36948
C79_4	15310.23	4/13/2017 16:21	4.96	0.22	0.67	0	0	0	0	0	0	1	0	1	0	0	0	901.285	629.35	49.581	24.327	70.61364472
C791	32.05	4/13/2017 12:00	1.34	0	0.11	0	0	0	0	0	0	1	0	0.58	0.42	0.51	0	128.175	8.81	0	3.638	66.11004678
C793	170.59	4/13/2017 12:00	1.15	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	149.569	29.26	0.902	5.83	76.69836625
C794	150.63	4/13/2017 11:55	4.29	0	0.07	0	0	0	0	0	0	1	0	0.07	0.93	0.09	0	71.663	22.9	3.016	6.578	177.5778743
C797	126.08	4/13/2017 12:00	1.39	0	0.2	0	0	0	0	0	0	1	0	1	0	0.96	0	191.605	23.81	1.649	5.295	44.90686875
C798	105.06	4/13/2017 12:00	4.91	0	0.07	0	0	0	0	0	0	1	0	0.09	0.91	0.09	0	138.005	20.88	1.241	5.032	47.08289379
C8	88.3	4/13/2017 12:02	20.26	1.29	0.63	0	0.01	0.07	0.01	0.46	0.01	1	0	0	1	0.02	0	0	34.93	4.14	2.528	17.095144
C8_1	6114.28	4/13/2017 13:54	7.68	0.51	0.84	0	0	0	0	0	0	1	0	1	0	0.12	0	344.013	813.9	36.192	7.512	36.85981129
C8_2	6110.96	4/13/2017 13:55	6.82	0.46	0.95	0	0.01	0.01	0.89	0.01	0.01	1	0	0.53	0.47	0.02	0	394.321	821.84	36.593	7.436	31.78134411
C80	23948.68	4/13/2017 15:39	8.23	0.06	0.58	0	0	0	0	0	0	1	0	1	0	0.64	0	491.258	567.79	43.503	42.179	44.22866082
C800	130.01	4/13/2017 11:56	4.77	0	0.05	0	0	0	0	0	0	1	0	0.97	0.03	0.98	0	60.544	19.27	1.861	6.747	64.96543471
C801	99.86	4/13/2017 12:00	1.96	0	0.07	0	0	0	0	0	0	1	0	1	0	0.87	0	118.399	16.16	0.491	6.179	86.18158652
C803_1	144.28	4/13/2017 12:01	1.76	0	0.09	0	0	0	0	0	0	1	0	1	0	0.96	0	194.615	29.05	0	4.967	52.63209588
C803_2	155.96	4/13/2017 12:02	2.04	0	0.08	0	0	0	0	0	0	1	0	1	0	0.03	0	186.374	31.58	0	4.939	64.14222556
C804	109.26	4/13/2017 12:01	9.23	0.87	0.8	0	0.01	1.48	0.01	2.17	0.01	1	0	0	1	0	0	0	248.91	22.713	0.439	10.70950108
C805	789	4/13/2017 12:01	3.77	0.01	0.11	0	0	0	0	0	0	1	0	1	0	0.23	0	130.014	248.91	22.713	3.17	37.40322989
C806MAS	29.39	4/13/2017 12:16	1.07	0.1	0.42	0	0	0	0	0	0	1	0	1	0	1	0	97.096	23.2	1.538	1.267	42.22694182
C81	820.87	4/13/2017 12:23	1.21	0.02	0.28	0	0	0	0	0	0	1	0	1	0	0	0	257.285	1634.32	37.221	0.502	62.99315794
C813_3	142.91	4/13/2017 12:00	3.89	0	0.08	0	0	0	0	0	0	1	0	0.97	0.03	0.43	0	173.219	56.03	1.558	2.551	173.5877293
C814	44.3	4/13/2017 12:01	3.54	0	0.09	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	31.448	9.74	0.628	4.548	51.55633377
C815	851.35	4/13/2017 12:01	5.25	0.01	0.13	0	0	0	0	0	0	1	0	1	0	1	0	132.181	261.54	23.729	3.255	84.83102572
C816	50.77	4/13/2017 12:01	1.19	0	0.07	0	0	0	0	0	0	1	0	1	0	0.98	0	206.3	10.86	0.504	4.675	105.6493208
C818	130.09	4/13/2017 12:00	1.92	0	0.32	0	0	0	0	0	0	1	0	1	0	1	0	125.425	24.03	1.928	5.414	322.0625077
C82	830.19	4/13/2017 12:22	3.54	0	0.2	0	0	0	0	0	0	1	0	1	0	0.64	0	151.715	1631.31	37.221	0.509	58.82253788
C820	163.25	4/13/2017 12:02	1.9	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	132.643	43.7	2.65	3.736	129.2259887
C822	24.73	4/13/2017 12:00	1.34	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	54.38	5.06	0.36	4.887	69.13404574
C823	307.95	4/13/2017 12:03	14.65	0.66	0.71	0	0.01	0.01	0.01	0.48	0.01	1	0	0	1	0.92	0	0	63.56	10.581	4.845	22.91098573
C825	65.44	4/13/2017 12:00	1.77	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	132.357	10.66	0.917	6.139	77.31206094
C828	367.17	4/13/2017 11:59	2.06	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	122.535	58.76	7.319	6.249	94.16703722
C83	18237.97	4/13/2017 15:55	6.37	0.18	0.65	0	0	0	0	0	0	1	0	1	0	0	0	510.2	564.77	43.358	32.293	71.11675712
C831	72.13	4/13/2017 12:00	2.22	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	93.63	13.65	1.045	5.284	148.5818374
C836	48.79	4/13/2017 12:00	3.53	0	0.04	0	0	0	0	0	0	1	0	0.96	0.04	1	0	49.502	8.6	0.676	5.673	33.87235099
C837	69.42	4/13/2017 11:55	3.37	0	0.06	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	52.714	10.39	1.458	6.681	23.34305173
C84	32079.25	4/13/2017 14:36	10.55	0.05	0.31	0	0	0	0	0	0	1	0	1	0	0.36	0	325.271	590.85	33.302	54.293	37.22022296
C842	96.98	4/13/2017 12:12	0.51	0	0.19	0	0	0	0	0	0	1	0	1	0	0.97	0	218.165	11.39	0.027	8.514	48.37805664
C843	32.98	4/13/2017 12:00	0.85	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	114.252	6.37	1.005	5.177	72.39562982
C845	101.11	4/13/2017 12:00	2.79	0	0.05	0	0	0	0	0	0	1	0	1	0	0.99	0	76.793	16.43	2.104	6.154	25.64069993
C848	40.02	4/13/2017 12:00	0.85	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	131.523	7.23	0.48	5.535	46.22778412
C849	80.58	4/13/2017 12:00	4.02	0	0.11	0	0	0	0	0	0	1	0	0.2	0.8	0.17	0	63.741	16.9	1.499	4.768	164.8424756
C850	71.56	4/13/2017 12:00	2.52	0.04	0.21	0	0	0	0	0	0	1	0	1	0	0.12	0	61.977	18.65	0.003	3.837	45.89264765
C851	137.89	4/13/2017 12:00	6.23	0	0.04	0	0	0	0	0	0	1	0	0.94	0.06	0.98	0	45.164	27.67	3.165	4.983	40.96286426
C852	44.05	4/13/2017 12:00	1.19	0.01	0.14	0	0	0	0	0	0	1	0	1	0	0.99	0	210.83	10.43	0.387	4.223	35.79280502
C853	20.84	4/13/2017 12:00	0.28	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	149.917	3.82	0.425	5.455	75.10544523
C854	135.8	4/13/2017 11:57	2.1	0	0.1	0	0	0	0	0	0	1	0	1	0	0.79	0	101.635	20.69	2.265	6.564	62.63662263

Conduits SWMM 25-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C857	162.19	4/13/2017 11:55	1.14	0	0.26	0	0	0	0	0	0	1	0	1	0	1	0	101.396	23.52	2.333	6.896	88.05448694
C85MAS	21.82	4/13/2017 12:01	3.99	0.59	0.31	0	0.01	0.01	0.01	1.77	0.01	1	0	1	0	0	0	0	23.2	1.538	0.941	15.53931756
C86	9.75	4/13/2017 12:00	0.74	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	55.229	1.69	0.259	5.769	311.3119168
C860	143.04	4/13/2017 11:57	2.34	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	110.395	21.52	3.217	6.647	191.5616998
C861	88.17	4/13/2017 12:00	2.24	0	0.24	0	0	0	0	0	0	1	0	0.62	0.38	0.12	0	136.255	17.87	2.405	4.934	151.2040607
C865	34.84	4/13/2017 12:03	1.35	0.01	0.13	0	0	0	0	0	0	1	0	1	0	0	0	98.582	13.84	1.938	2.517	125.7208663
C866	138.67	4/13/2017 11:55	5.01	0	0.05	0	0	0	0	0	0	1	0	0.95	0.05	1	0	50.802	20.27	2.205	6.841	64.06397322
C867	63.65	4/13/2017 12:00	1.98	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	86.613	13.54	1.54	4.701	146.0239253
C869	112.13	4/13/2017 11:57	2.33	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	145.103	18.08	2.938	6.202	103.5736093
C87	721.78	4/13/2017 12:19	3.71	0.01	0.23	0	0	0	0	0	0	1	0	1	0	0.88	0	174.654	1582.22	34.77	0.456	78.81835307
C873	46917.19	4/13/2017 15:23	6.86	0.78	1	0	1.56	1.56	2.1	0.01	0.01	1	0	1	0	0.39	0	940.4	3578.82	274.491	13.11	31.11969299
C88	92.68	4/13/2017 12:00	8.42	0.4	0.51	0	0.01	0.01	0.01	0.23	0.01	1	0	0	0	0	0	0	58.76	7.319	1.577	14.99381957
C883	142.37	4/13/2017 12:00	6.32	0	0.04	0	0	0	0	0	0	1	0	0.97	0.03	1	0	35.726	20.99	2.324	6.783	87.51800942
C886MAS	159.16	4/13/2017 11:55	2.85	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	87.939	21.63	3.631	7.358	172.8516819
C89	180.52	4/13/2017 12:02	1.41	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	158.065	33.88	4.505	5.328	81.51231812
C890	99.98	4/13/2017 11:55	1.7	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	110.272	14.1	3.189	7.091	22.07789997
C892	93.53	4/13/2017 11:55	7.65	0	0.04	0	0	0	0	0	0	1	0	0	1	0.39	0	40.196	12.58	2.988	7.435	102.6053442
C893	85.1	4/13/2017 12:00	1.13	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	142.848	36.08	4.249	2.359	89.7687153
C897	112.49	4/13/2017 12:00	3.92	0	0.03	0	0	0	0	0	0	1	0	0	1	0.06	0	74.529	23.89	2.712	4.709	31.32735056
C898	80.22	4/13/2017 11:55	2.3	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	73.479	13.12	1.643	6.114	238.9279428
C899	105.79	4/13/2017 12:00	6.85	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	36.119	20.88	1.241	5.067	65.41270546
C9	36.35	4/13/2017 12:00	0.61	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	173.208	5.5	0.105	6.609	199.5783394
C9_1	6115.68	4/13/2017 13:53	6.23	0.6	0.74	0	0	0	0	0	0	1	0	1	0	0	0	297.051	802.92	36.077	7.617	212.1507806
C9_2	6115.69	4/13/2017 13:54	13.08	0.27	0.58	0	0	0	0	0	0	1	0	0.83	0.17	0	0	228.175	807.92	36.177	7.57	134.4117552
C90	483.51	4/13/2017 12:04	3.94	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	54.961	451.09	19.458	1.072	163.9934259
C903	141.24	4/13/2017 11:57	2.63	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	67.62	22.85	2.809	6.181	126.6669325
C905	149.68	4/13/2017 11:57	6.49	0	0.06	0	0	0	0	0	0	1	0	0.98	0.02	0.98	0	24.461	22.69	0.197	6.597	177.5096817
C907	41.17	4/13/2017 12:00	2.67	0	0.07	0	0	0	0	0	0	1	0	1	0	0.99	0	48.795	9.74	0.769	4.227	50.62426903
C908_1	275.79	4/13/2017 11:57	6.02	0	0.1	0	0	0	0	0	0	1	0	0.26	0.74	0.7	0	105.963	50.38	8.883	5.474	104.0323935
C908_2	322.81	4/13/2017 12:00	6.53	0	0.11	0	0	0	0	0	0	1	0	0	1	0.03	0	115.382	59.17	10.144	5.456	180.8873337
C909	70.13	4/13/2017 11:56	2.27	0	0.06	0	0	0	0	0	0	1	0	1	0	0.42	0	82.819	11.13	1.755	6.301	48.1947054
C91_1	15717.28	4/13/2017 16:00	9.5	0.11	0.5	0	0	0	0	0	0	1	0	1	0	0	0	261.225	544.64	41.247	28.858	26.74074459
C91_2	15715.73	4/13/2017 15:59	11.24	0.15	0.49	0	0	0	0	0	0	1	0	1	0	0.79	0	260.704	547.74	41.433	28.692	192.6465915
C911	85.72	4/13/2017 11:55	2.22	0.01	0.18	0	0	0	0	0	0	1	0	0.11	0.89	0.1	0	97.967	13.07	1.708	6.559	77.65919408
C914	26.89	4/13/2017 12:00	0.93	0	0.52	0	0	0	0	0	0	1	0	0.76	0	0.49	0	761.47	7.28	0	3.694	31.56641208
C92	32083.3	4/13/2017 14:36	8.6	0.14	0.35	0	0	0	0	0	0	1	0	1	0	0	0	360.04	570.08	31.912	56.279	236.7620029
C920	51.46	4/13/2017 12:03	2.51	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	60.037	9.61	0.626	5.355	111.046085
C922	90.97	4/13/2017 11:55	7.19	0	0.04	0	0	0	0	0	0	1	0	0	1	1	0	36.019	12.68	1.462	7.174	34.72606489
C929	78.34	4/13/2017 12:00	1.62	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	151.904	15.58	0.518	5.028	135.979726
C93	100.55	4/13/2017 12:04	2.31	0	0.08	0	0	0	0	0	0	1	0	1	0	0.97	0	133.819	24.07	1.511	4.177	197.1822112
C93_1	218.68	4/13/2017 12:02	10.33	0.32	0.54	0	0	0	0	0	0	1.49	0	0	1	0	0	0	102.56	13.732	2.132	17.0452216
C93_2	634.14	4/13/2017 12:02	6.28	0.01	0.29	0	0	0	0	0	0	1	0	1	0	1	0	72.233	113.07	16.258	5.608	66.89995112
C93_3MAS_1	21.72	4/13/2017 12:02	2.7	0.07	0.3	0	0	0	0	0	0	1	0	1	0	0.04	0	18.146	23.2	1.538	0.936	99.62865926
C93_3MAS_2	27.37	4/13/2017 12:01	2.87	0.08	0.33	0	0	0	0	0	0	1	0	1	0	1	0	20.462	24.3	1.614	1.126	91.77985398
C93_5MAS	27.74	4/13/2017 12:02	2.8	0.08	0.34	0	0	0	0	0	0	1	0	1	0	0	0	21.884	24.3	1.614	1.142	143.3590012
C93_6MAS	28.14	4/13/2017 12:05	1.09	0.07	0.43	0	0	0	0	0	0	1	0	1	0	0.99	0	59.023	24.3	1.614	1.158	57.50517318
C933	31.39	4/13/2017 12:01	0.63	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	233.381	8.43	0.289	3.724	57.00117545
C934	78.85	4/13/2017 12:00	2.72	0	0.05	0	0	0	0	0	0	1	0	0.38	0.62	0.36	0	66.181	17.55	0	4.493	209.3777292
C939	111.38	4/13/2017 11:56	4.98	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	65.565	15.96	2.793	6.979	54.80490735
C94	15694.11	4/13/2017 15:59	7.91	2.35	0.69	0	0.01	0.01	0.01	4.13	0.01	1	0	1	0	0	0	428.31	541.36	40.84	28.99	61.56457011
C941	20.39	4/13/2017 12:00	0.99	0	0.06	0	0	0	0	0	0	1	0	1	0	0.84	0	93.149	3.68	0.028	5.541	46.8575812
C943	96.54	4/13/2017 11:56	3.36	0	0.03	0	0	0	0	0	0	1	0	0.98	0.02	0	0	93.458	15.22	1.99	6.343	53.73973226
C944	134.72	4/13/2017 12:00	4.88	0	0.08	0	0	0	0	0	0	1	0	0	1	0.03	0	80.296	23.4	0.423	5.757	114.9072664
C946	91.19	4/13/2017 11:55	7.41	0	0.04	0	0	0	0	0	0	1.34	0	0	1	0.02	0	42.823	12.68	1.462	7.192	18.44568334
C948	129.99	4/13/2017 12:02	3.69	0.01	0.16	0	0	0	0	0	0	1	0	0.5	0.5	0	0	206.669	36.4	2.65	3.571	93.89677141
C949	86.5	4/13/2017 11:55	2.47	0	0.07	0	0	0	0	0	0	1	0	0.12	0.88	0.17	0	59.139	13.47	0.139	6.422	31.01541094
C95	15677.15	4/13/2017 15:58	9.49	0.09	0.39	0	0	0	0	0	0	1	0	1	0	0	0	296.24	520.27	38.604	30.133	62.59536402
C950	39.85	4/13/2017 12:00	1.54	0	0.3	0	0	0	0	0	0	1	0	0.68	0.32	1	0	89.528	6.3	0.113	6.325	129.2103949
C955	27.72	4/13/2017 12:00	0.19	0	0.31	0	0	0	0	0	0	1	0	1	0	1	0	172.269	9.19	0	3.016	83.24175412
C957	157.14	4/13/2017 12:00	1.45	0.01	0.44	0	0	0	0	0	0	1	0	1	0	1	0	110.616	24.92	4.049	6.306	140.5751249
C96	482.41	4/13/2017 12:02	2.95	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	124.352	448.01	19.458	1.077	153.9352316
C961	41.29	4/13/2017 12:00	2.73	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	32.804	7.85	0.79	5.26	52.84022058
C962	54.98	4/13/2017 11:55	7.37	0	0.05	0	0	0	0	0	0	1	0	0.02	0.98	0.27	0	13.561	7.51	1.281	7.321	35.83843174
C963	82.99	4/13/2017 12:00	1.53	0	0.09	0	0	0	0	0	0	1	0	1	0	0.97	0	143.044	15.03	1.204	5.522	124.925283
C968	38.19	4/13/2017 12:00	1.45	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	60.862	7.6	1.175	5.025	16.89476764
C97	32087.27	4/13/2017 14:35	7.07	0.11	0.53	0	0	0	0	0	0	1	0	1	0	0.11	0	341.538	562.76	31.826	57.018	85.61981463
C972	37.07	4/13/2017 12:00	2.33	0	0.05	0	0	0	0	0	0	1	0	0.99	0.01	0.98	0	93.34	11.05	0.002	3.355	46.0081208
C973	45.95	4/13/2017 12:00	1.79	0	0.04	0	0	0	0	0	0	1	0	1	0	0.2	0	87.279	9.74	0.628	4.718	114.5584369
C975	82.71	4/13/2017 12:00	4.95	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	36.563	13.23	1.247	6.252	145.556902
C977	29.4	4/13/2017 12:00	3.83	0	0.06	0	0	0	0	0	0	1	0	0.99	0.01	1	0	38.688	5.49	0.545	5.355	21.44104946

Conduits SWMM 25-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C98	604.35	4/13/2017 12:16	8.83	0.01	0.14	0	0	0	0	0	0	1	0	0.98	0.02	0	0	29.606	1527.47	32.968	0.396	150.8968432
C980_2MAS	29.91	4/13/2017 12:14	2.12	0.05	0.25	0	0	0	0	0	0	1	0	0.06	0	0.99	0	80.174	17.81	0.868	1.679	30.24495884
C981_2	27.48	4/13/2017 12:13	5.23	0	0.03	0	0	0	0	0	0	1	0	0	1	0.01	0	24.087	10.81	1.784	2.542	47.98551127
C981_3	79.04	4/13/2017 11:55	1.62	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	105.818	10.81	1.784	7.312	129.3845525
C981_4	27.51	4/13/2017 12:12	9.06	0.6	0.6	0	0.01	0.62	0.01	0.01	0.01	1	0	0	1	0	0	0	10.81	1.784	2.545	19.7615568
C99	46.66	4/13/2017 12:00	1.13	0	0.09	0	0	0	0	0	0	1	0	1	0	0.2	0	141.088	9.24	0	5.05	92.12405932
C991_2MAS	26.02	4/13/2017 12:00	1.89	0	0.11	0	0	0	0	0	0	1	0	0.07	0.93	0.07	0	86.448	11.33	1.773	2.297	106.4960688
C991MAS	6.27	4/13/2017 11:57	0.99	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	48.027	8	1.566	0.784	138.1076954
C992	61.26	4/13/2017 12:00	1.74	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	74.841	10.48	0	5.845	213.0927174
grof_100_11	70.18	4/13/2017 11:56	8.73	0.01	0.19	0	0	0	0	0	0	1	0.98	0	0	0	0	50.398	19.6	1.215	3.581	31.79016866
grof_100_12	103.04	4/13/2017 12:00	2.67	0.1	0.34	0	0	0	0	0	0	1	0.94	0	0	0	0	154.198	22.67	1.802	4.545	30.99935503
grof_100_3	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	2.03	1	0	0	0	0	0	86.23	7.185	0	40.63487806
grof_100_5	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.62	1	0	0	0	0	0	11.76	2.888	0	44.06076848
grof_100_6	91.81	4/13/2017 12:00	7.89	0	0.02	0	0	0	0	0	0	3.27	0.96	0	0	0	0	111.764	29.04	4.497	3.162	22.46221329
grof_100_7	177.22	4/13/2017 11:56	12.15	0	0.09	0	0	0	0	0	0	1.66	0.89	0	0	0	0	80.529	32.49	4.147	5.455	49.31436527
grof_100_8	58.59	4/13/2017 11:55	6.04	0	0.05	0	0	0	0	0	0	1	0.99	0	0	0	0	103.193	14	1.461	4.185	33.32252993
grof_100_9	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.85	1	0	0	0	0	0	17.86	1.982	0	26.3112352
GROF100	572.01	4/13/2017 12:00	8.72	0	0.07	0	0	0	0	0	0	1.17	0.94	0	0	0	0	108.281	117.17	9.563	4.882	23.32095192
GROF101	20.66	4/13/2017 11:55	8.41	0	0.04	0	0	0	0	0	0	1.36	0.99	0	0	0	0	18.023	18.97	1.818	1.089	24.35774472
GROF103	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	34.93	4.14	0	27.84783669
GROF104	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	57.85	5.703	0	37.26826934
GROF105	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	60.86	5.884	0	39.91482077
GROF106	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	23.9	1.737	0	25.52975535
GROF107	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	29.58	2.195	0	23.0218893
GROF108	221.83	4/13/2017 12:06	8.56	0.12	0.47	0	0	0	0	0	0	1	0.98	0	0	0	0	49.059	212.48	20.186	1.044	63.79575108
GROF109	397.41	4/13/2017 12:08	13.24	0.01	0.14	0	0	0	0	0	0	1	0.94	0	0	0	0	55.303	263.68	23.114	1.507	53.33253292
GROF11	4573.12	4/13/2017 13:42	21.12	0.35	0.67	0	0	0	0	0	0	1	0.81	0	0	0	0	88.682	643.06	25.39	7.111	26.58112958
GROF110	164.18	4/13/2017 12:29	15.08	0.01	0.19	0	0	0	0	0	0	1	0.95	0	0	0	0	33.491	343.83	26.264	0.478	23.5722879
GROF112	73.28	4/13/2017 12:00	4.36	0	0.02	0	0	0	0	0	0	1.38	0.98	0	0	0	0	78.157	17.88	0.594	4.098	37.63622909
GROF113	195	4/13/2017 12:00	7.07	0.01	0.07	0	0	0	0	0	0	1	0.93	0	0	0	0	126.601	46.78	2.133	4.168	24.33568357
GROF114	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	26.52	5.878	0	24.33227358
GROF12	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.85	1	0	0	0	0	0	90.66	5.859	0	26.34268656
GROF13	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.27	1	0	0	0	0	0	51.58	3.371	0	27.98119459
GROF14	76.42	4/13/2017 12:03	2.57	0	0.13	0	0	0	0	0	0	1	0.95	0	0	0	0	69.562	25.95	1.273	2.945	26.56790245
GROF15	69.13	4/13/2017 13:53	1.46	0	0.05	0	0	0	0	0	0	1	0.93	0	0	0	0	57.541	802.92	36.077	0.086	49.77436053
GROF16	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	684.31	38.899	0	32.83322275
GROF17	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	61.67	3.56	0	19.10430842
GROF200	232.25	4/13/2017 12:00	8.69	0.04	0.17	0	0	0	0	0	0	1	0.93	0	0	0	0	68.11	97.57	10.384	2.38	38.72120345
GROF21	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	15.82	0.944	0	21.73831212
GROF22	345.98	4/13/2017 13:06	6.97	0.13	0.52	0	0	0	0	0	0	1	0.72	0	0	0	0	168.281	1333.52	27.051	0.259	38.19960761
GROF25	107.36	4/13/2017 12:01	10.98	0.01	0.12	0	0	0	0	0	0	1	0.97	0	0	0	0	31.72	50.9	4.137	2.109	21.66067044
GROF26	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	21.19	2.268	0	29.16477628
GROF27	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.83	1	0	0	0	0	0	111.87	12.188	0	26.37475642
GROF28	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.96	1	0	0	0	0	0	42.37	4.096	0	22.89502536
GROF29	7.59	4/13/2017 12:16	5.15	0	0.06	0	0	0	0	0	0	1	0.99	0	0	0	0	24.894	79.83	8.432	0.095	34.53238167
GROF3	5261	4/13/2017 13:31	11.43	0.1	0.38	0	0	0	0	0	0	1	0.71	0	0	0	0	156.651	38.45	1.048	136.827	29.73111315
GROF31	24.43	4/13/2017 12:05	11.48	0.02	0.19	0	0	0	0	0	0	1	0.98	0	0	0	0	36.566	15.54	1.258	1.572	25.0800392
GROF32	0	4/13/2017 0:00	0	0	0.05	0	0	0	0	0	0	2.95	0.98	0	0	0	0	141.746	120.91	18.56	0	32.50097966
GROF33	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	2.48	1	0	0	0	0	0	105.77	10.988	0	24.34145594
GROF34	370.33	4/13/2017 12:02	10.49	0.03	0.27	0	0	0	0	0	0	1	0.97	0	0	0	0	74.881	102.56	13.732	3.611	25.07889538
GROF37	274.41	4/13/2017 12:00	15.05	0.05	0.31	0	0	0	0	0	0	1	0.96	0	0	0	0	36.766	58.76	7.319	4.67	23.49688833
GROF38	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	5.35	1	0	0	0	0	0	39.87	3.574	0	44.79291628
GROF39	50739.46	4/13/2017 15:25	10.11	0.15	0.98	0	0	0	0	0	0	1	0	0.55	0.03	0	0	568.974	1458.2	102.249	34.796	40.98229972
GROF4	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	396.18	15.51	0	28.56362081
GROF40	943.04	4/13/2017 12:08	7.45	0.02	0.12	0	0	0	0	0	0	1	0.97	0	0	0	0	271.053	557.95	64.942	1.69	42.10541207
GROF42	212.95	4/13/2017 12:01	10.82	0	0.06	0	0	0	0	0	0	1.57	0.98	0	0	0	0	53.027	104.93	20.288	2.029	35.94882395
GROF43	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	90.95	17.282	0	46.55860358
GROF44	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	3.64	1	0	0	0	0	0	63.56	10.581	0	48.86384284
GROF45	41.13	4/13/2017 11:55	4.95	0	0.08	0	0	0	0	0	0	1	0.98	0	0	0	0	51.211	9.01	1.501	4.565	36.24614916
GROF46	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	2.1	1	0	0	0	0	0	6.1	1.352	0	76.33486615
GROF47	246.36	4/13/2017 12:05	7.05	0.01	0.08	0	0	0	0	0	0	1	0.98	0	0	0	0	80.758	273.04	25.157	0.902	30.46401274
GROF48	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.79	1	0	0	0	0	0	169.53	13.624	0	38.81768901
GROF49	125.68	4/13/2017 12:12	9.59	0.01	0.13	0	0	0	0	0	0	1	0	0	0	0	0	56.243	55.08	4.06	2.282	41.3077958
GROF5	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	381.42	14.371	0	30.0212102
GROF50	76.48	4/13/2017 12:11	6.68	0.02	0.17	0	0	0	0	0	0	1	0.94	0	0	0	0	54.145	32.1	1.839	2.383	22.91365506
GROF51	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.01	1	0	0	0	0	0	61.04	5.874	0	35.12527079
GROF52	42.92	4/13/2017 12:00	2.34	0	0.02	0	0	0	0	0	0	1	0.98	0	0	0	0	136.831	12.26	1.413	3.501	24.47602966
GROF53	7.5	4/13/2017 12:03	1.52	0	0.02	0	0	0	0	0	0	1	1	0	0	0	0	134.75	12.26	1.413	0.612	29.88875791
GROF54	21.24	4/13/2017 12:10	2.33	0.04	0.27	0	0	0	0	0	0	1	0.94	0	0	0	0	61.742	11.35	0.809	1.871	25.4148865
GROF55	18.53	4/13/2017 12:14	4.12	0.04	0.26	0	0	0	0	0	0	1	0.96	0	0	0	0	45.22	11.35	0.809	1.633	17.70310007

Conduits SWMM 25-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
GROF56	17.94	4/13/2017 12:18	3.66	0.02	0.23	0	0	0	0	0	0	1	0.84	0	0	0	0	33.857	11.35	0.809	1.581	32.72981806
GROF58	266.07	4/13/2017 12:01	14.97	0.01	0.19	0	0	0	0	0	0	1	0.95	0	0	0	0	32.516	219.11	18.599	1.214	28.23107325
GROF59	482.91	4/13/2017 12:00	4.36	0.01	0.28	0	0	0	0	0	0	1.78	0	0.06	0	0.51	0	138.128	243.55	22.026	1.983	37.21733813
GROF6	63.3	4/13/2017 12:00	3.85	0.01	0.15	0	0	0	0	0	0	1	0.98	0	0	0	0	93.88	21.13	1.299	2.996	24.45744047
GROF60	449.14	4/13/2017 12:00	10.13	0.16	0.54	0	0	0	0	0	0	1	0.95	0	0	0	0	103.824	248.91	22.713	1.804	36.94398192
GROF61	679.97	4/13/2017 12:01	11.42	0.01	0.11	0	0	0	0	0	0	1.57	0.9	0	0	0	0	102.137	248.91	22.713	2.732	22.82298504
GROF63	130.38	4/13/2017 12:04	11.97	0	0.02	0	0	0	0	0	0	2.57	0.99	0	0	0	0	57.804	101.24	8.943	1.288	32.53140549
GROF64	37.78	4/13/2017 12:00	3.62	0.03	0.26	0	0	0	0	0	0	1	0.98	0	0	0	0	34.394	13.01	1.687	2.904	35.33344707
GROF65	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	3.12	1	0	0	0	0	0	8.01	0.953	0	28.344948
GROF66	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	45.91	6.038	0	48.64403844
GROF67	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.35	1	0	0	0	0	0	25.46	3.457	0	42.11318395
GROF68	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.64	1.097	0	29.93544523
GROF69	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	10.81	1.784	0	31.54731873
GROF70	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.64	1.097	0	38.36083324
GROF75	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	133.47	8.332	0	37.05568049
GROF76	0	4/13/2017 0:00	0	0	0.04	0	0	0	0	0	0	1	0.97	0	0	0	0	97.933	77.13	4.449	0	34.8249025
GROF79	38.72	4/13/2017 12:03	4.25	0	0.03	0	0	0	0	0	0	1	0.99	0	0	0	0	89.207	29.26	0.902	1.323	33.29647985
GROF80	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	30.38	2.581	0	38.98485539
GROF81	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	6.37	1.005	0	31.50725701
GROF82	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.6	1.712	0	33.12023577
GROF83	59.12	4/13/2017 12:57	4.27	0.02	0.09	0	0	0	0	0	0	1	0.9	0	0	0	0	218.885	123.84	10.356	0.477	55.57563919
GROF84	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	67.92	5.397	0	49.88201729
GROF87	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	20.48	2.44	0	25.02295052
GROF88	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	17.87	2.405	0	26.05383436
GROF89	0	4/13/2017 0:00	0	0	0.09	0	0	0	0	0	0	1	0.83	0	0	0	0	62.346	41.53	2.987	0	40.54833597
GROF90	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	23.2	1.538	0	24.81557939
GROF95	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	30.78	1.792	0	25.78363117
GROF96	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	26.74	2.315	0	37.2975681
MASC13	33.15	4/13/2017 11:55	2.92	0	0.03	0	0	0	0	0	0	1	0	0.99	0.01	1	0	45.989	5.03	1.027	6.59	85.52389101
MASC14_1	49.24	4/13/2017 11:55	9.85	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	20.124	8	1.566	6.155	115.1505193
MASC14_3	90.23	4/13/2017 11:55	6.63	0	0.06	0	0	0	0	0	0	1	0	0	1	1	0	47.356	13.83	3.044	6.524	126.8077537
MASC14_4	87.96	4/13/2017 11:56	4.05	0	0.09	0	0	0	0	0	0	1	0	0.95	0.05	1	0	70.885	13.83	3.044	6.36	162.4481157
MASC231_1	12.99	4/13/2017 11:55	1.35	0.01	0.2	0	0	0	0	0	0	1	0	1	0	1	0	20.991	1.92	0.307	6.766	38.72611549
MASC231_2	28.22	4/13/2017 11:58	1.18	0.02	0.36	0	0	0	0	0	0	1	0	1	0	1	0	38.601	4.31	0.446	6.548	63.31490564
MASC231_3	15.79	4/13/2017 12:01	5.7	1.15	0.95	0	0.01	0.84	0.01	0.56	0.01	1	0	0.99	0.01	0.82	0	0	7.96	0.533	1.984	9.583708341
MASC231_4	52.43	4/13/2017 11:58	1.22	0.07	0.48	0	0	0	0	0	0	1	0	1	0	0.03	0	61.436	7.96	0.533	6.587	53.09833665
MASC231_5	30.95	4/13/2017 12:00	1.8	0.02	0.33	0	0	0	0	0	0	1	0	1	0	0.92	0	35.01	10.44	0.652	2.965	34.08031077
MASC231_7	41.94	4/13/2017 11:57	2.24	0.03	0.5	0	0	0	0	0	0	1	0	1	0	0.84	0	64.037	12.31	0.763	3.407	38.01694486
MASC311	26.11	4/13/2017 12:00	2.06	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	42.704	4.74	0.478	5.508	80.20600313
MASC440_2	19807.58	4/13/2017 15:30	12.56	0.15	0.33	0	0	0	0	0	0	1	0.89	0	0	0	0	1193.315	4013.66	315.389	4.935	21.42366419
MASC440_3	46843.58	4/13/2017 15:30	12.55	0.07	0.57	0	0	0	0	0	0	1	0	1	0	0.38	0	501.67	4043.09	317.678	11.586	91.46352853
MASC440_4	46850.26	4/13/2017 15:29	7.75	0.2	0.89	0	0.01	0.01	3.82	0.01	0.01	1	0	1	0	0.65	0	621.389	4030.57	317.402	11.624	118.4251605
MASC93_1	611.02	4/13/2017 12:02	9.82	0.04	0.29	0	0	0	0	0	0	1	0	0.96	0.04	0.93	0	47.854	115.15	18.17	5.306	133.3585878
MASC93_3	622.84	4/13/2017 13:58	3.56	0.01	0.71	0	0.01	0.01	1.59	0.01	0.01	1	0	1	0	0.84	0	673.61	118.64	19.182	5.25	127.3538214
MASC93_4	5616.98	4/13/2017 13:43	2.32	0.01	0.72	0	0	0	0	0	0	1	0	1	0	0.74	0	1072.954	129.67	21.599	43.317	79.90261786
MASC931	663.37	4/13/2017 12:00	8.1	0.06	0.24	0	0	0	0	0	0	1	0	1	0	0	0	42.369	116.75	17.391	5.682	59.11639708
MASC932	98.15	4/13/2017 12:00	5.64	0.06	0.32	0	0	0	0	0	0	1	0	0.98	0.02	1	0	0	120.91	18.56	0.812	19.2383905
MAS78_Rev_Weir	95.57	4/13/2017 11:56	2.17	0	0.12	0	0	0	0	0	0	1	0	1	0	0.01	0	74.767	14.67	0.767	6.515	7.707331408
GROF77	56.1	4/13/2017 12:16	13.51	0.03	0.2	0	0	0	0	0	0	1	0.97	0	0	0	0	67.088	63.54	3.179	0.883	42.40238755
C_MAS1	839.5	4/13/2017 12:04	5.92	0.13	0.44	0	0	0	0	0	0	1	0	1	0	0.5	0	127.896	511.45	32.309	1.641	106.0700545
C_MAS82	48.31	4/13/2017 12:00	3.04	0.05	0.36	0	0	0	0	0	0	1	0	0.02	0.98	0.02	0	100.758	9.59	0.047	5.038	165.1443625
C_MAS95_1	16.92	4/13/2017 12:00	2.07	0.01	0.19	0	0	0	0	0	0	1	0	0.95	0.05	0.41	0	67.437	3.62	0.022	4.674	22.89123932
C_MAS95_3	16.76	4/13/2017 12:00	1.56	0.01	0.22	0	0	0	0	0	0	1	0	0.99	0.01	1	0	80.175	3.62	0.022	4.63	45.58967537
C_MAS95_4	36.76	4/13/2017 12:00	2.37	0.03	0.25	0	0	0	0	0	0	1	0	0.23	0.77	0.19	0	85.406	7.14	0.022	5.148	34.58746622
C_7	134.81	4/13/2017 11:58	4.11	0	0.04	0	0	0	0	0	0	1	0.95	0	0	0	0	171.748	22.85	2.809	5.9	35.99907183
C_8	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	50.69	6.821	0	22.78399461
C661	89.36	4/13/2017 12:01	0.35	0	0.27	0	0	0	0	0	0	1	0	1	0	0.9	0	306.383	19.44	2.142	4.597	248.4625276
C_MAS55	163.85	4/13/2017 12:03	1.96	0.06	0.62	0	0	0	0	0	0	1	0	1	0	1	0	109.859	50.29	5.349	3.258	132.9962202
C11	6163.24	4/13/2017 13:45	6.3	0.36	0.83	0	0.01	0.01	1.28	0.01	0.01	1	0	1	0	1	0	233.675	766.97	33.04	8.036	338.9420986
C1116	47020.22	4/13/2017 15:20	6.16	0.31	0.84	0	0	0	0	0	0	1	0	1	0	0.4	0	965.667	3478.99	268.957	13.515	152.7138966
C_108	47000.04	4/13/2017 15:21	6.73	1.18	0.8	0	0.01	0.01	0.01	2.01	0.01	1	0	1	0	0	0	978.838	3503.62	270.129	13.415	108.19683
C_MAS131	127.69	4/13/2017 11:55	7.51	0	0.08	0	0	0	0	0	0	1	0	0	1	0	0	43.032	22.96	3.226	5.561	43.96629108
C1010	28.36	4/13/2017 12:00	0.29	0	0.4	0	0	0	0	0	0	1	0	1	0	1	0	579.586	6.91	1.224	4.104	212.2104808
C210	199.28	4/13/2017 12:02	1.16	0.01	0.18	0	0	0	0	0	0	1	0	1	0	1	0	231.451	144.21	3.966	1.382	100.7945193

Conduits SWMM 50-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft³)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
3	50620.2	4/13/2017 15:16	12.98	0.88	0.78	0	0	0	0	0	0	1	0	0.59	0	0	0	359.912	2091.83	177.907	24.199	272.4340973
4	3903.31	4/13/2017 14:57	8.38	0.07	0.15	0	0	0	0	0	0	1	0.87	0	0	0	0	170.107	676.02	38.467	5.774	279.4289225
5	5315.9	4/13/2017 15:20	8.36	0.3	0.5	0	0	0	0	0	0	1	0.85	0	0	0	0	273.786	2232.33	191.465	2.381	445.1989957
6	906.6	4/13/2017 15:02	7.56	0.69	0.76	0	0	0	0	0	0	1	0.83	0	0	0	0	61.679	693.14	41.121	1.308	604.4188819
C_1	7068.18	4/13/2017 13:30	5.93	0.37	0.84	0	0	0	0	0	0	1	0	1	0	0.49	0	191.057	5.68	0	1244.398	255.6570809
C_100	621.76	4/13/2017 12:09	3.41	0.03	0.27	0	0	0	0	0	0	1	0	1	0	0.96	0	76.383	141.25	11.396	4.402	107.0220487
C_101	425.77	4/13/2017 12:08	13.88	0.6	0.82	0	0.01	1.04	0.01	1.45	0.01	1.43	0	0	1	0	0	0	169.53	13.624	2.511	17.93943794
C_102	737.86	4/13/2017 12:08	8.66	0.03	0.24	0	0	0	0	0	0	1	0	0.72	0.28	1	0	82.513	169.53	13.624	4.352	38.28949218
C_110	55.22	4/13/2017 12:00	0.44	0	0.58	0	0	0	0	0	0	1	0	1	0	0.77	0	600.493	7.94	0.401	6.955	19.02556442
C_117	7414.37	4/13/2017 13:43	2.74	0.25	0.97	0	0.01	0.01	1.65	0.01	0.01	1	0	1	0	0.35	0	509.733	643.06	25.39	11.53	95.28338008
C_118	7415.34	4/13/2017 13:43	7.96	0.56	0.78	0	0	0	0	0	0	1	0	1	0	0.16	0	132.468	643.06	25.39	11.531	132.0769117
C_119	7460.78	4/13/2017 13:32	9.01	0.34	0.64	0	0	0	0	0	0	1	0	1	0	0.42	0	233.885	588.3	24.617	12.682	187.9682415
C_122	581.64	4/13/2017 11:43	11.61	2.79	1	0	3.98	16.19	3.98	17.4	3.98	1	0	0.71	0.29	0	0.15	0	38.45	1.048	15.127	16.12935326
C_123	48.44	4/13/2017 12:00	0.26	0	0.94	0	0.01	0.01	5.77	0.01	0.01	1	0	1	0	0.41	0	189.855	7.82	0.638	6.194	26.40379445
C_124	82.47	4/13/2017 12:00	0.1	0	0.51	0	0	0	0	0	0	1	0	0.86	0	0.39	0	277.407	12	0	6.872	33.96620205
C_148	35047.06	4/13/2017 14:26	8.87	1.58	1	0	3.37	3.46	3.46	3.2	2.87	1	0	1	0	0	0	500	676.02	38.467	51.843	75.9930443
C_156	101.64	4/13/2017 11:55	0.79	0	0.51	0	0.01	0.01	2.34	0.01	0.01	1	0	1	0	1	0	104.686	11.44	1.002	8.885	81.80195593
C_3	7070.07	4/13/2017 13:30	4.46	0.6	0.99	0	0.01	0.01	1.02	0.01	0.01	1	0	1	0	0	0	236.702	12.65	0.227	558.899	166.2500155
C_4	7075.43	4/13/2017 13:30	4.71	0.21	0.96	0	0.01	0.01	1.02	0.01	0.01	1	0	1	0	0	0	224.362	27.61	0.406	256.263	25.19095239
C_9_91	8.74	4/13/2017 11:48	1.39	0.18	1	0	12.2	12.2	15.91	0.01	0.01	1	0	1	0	0.36	0	0	42.31	2.148	0.207	17.83556208
C_GR_001	383.98	4/13/2017 12:08	8.69	0.42	1	0	0.58	0.71	0.58	0.01	0.58	1.25	0	1	0	0.88	0	0	219.11	18.599	1.752	7.344238212
C_MAS042517	514.72	4/13/2017 12:10	1.93	0.04	0.46	0	0	0	0	0	0	1	0	1	0	1	0	391.933	256.244	4.15	2.009	1776.997682
C_MAS100	1920.79	4/13/2017 12:02	12.43	0.04	0.23	0	0	0	0	0	0	1	0	0.3	0.7	0.02	0	88.743	262.58	28.264	7.315	53.67965593
C_MAS101_1	1187.01	4/13/2017 12:00	7.35	0.02	0.24	0	0	0	0	0	0	1	0	1	0	0.97	0	71.518	163.21	14.185	7.273	49.68648434
C_MAS101_2	211.4	4/13/2017 12:00	4.01	0.1	0.9	0	0	0	0	0	0	1.06	0	1	0	0	1	0	166.62	14.97	1.269	13.31735521
C_MAS102	1415.6	4/13/2017 12:01	6.61	0.27	0.56	0	0	0	0	0	0	1	0	1	0	0.16	0	93.322	174.98	19.682	8.09	59.05699312
C_MAS103	571.97	4/13/2017 11:58	6.09	0.05	0.3	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	93.276	75.29	6.225	7.597	53.39045712
C_MAS105	126.22	4/13/2017 12:00	1.2	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	113.766	17.43	1.279	7.242	161.3321514
C_MAS106	165.81	4/13/2017 11:55	5.95	0	0.05	0	0	0	0	0	0	1	0	0.02	0.98	0.02	0	55.968	17.91	3.02	9.258	75.701422
C_MAS107	47.65	4/13/2017 12:25	2.94	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	42.641	29.58	2.195	1.611	110.0893608
C_MAS108_3	58.82	4/13/2017 11:56	11.08	0.66	0.72	0	0	0	0	0	0	1	0	0	1	0	0	0	19.6	1.215	3.001	16.68048609
C_MAS108_4	168.28	4/13/2017 11:56	5.23	0.01	0.21	0	0	0	0	0	0	1	0	0.95	0.05	1	0	40.33	19.6	1.215	8.586	124.6027062
C_MAS109	54.74	4/13/2017 11:59	9.96	0.88	0.77	0	0.01	2.42	0.01	0.01	0.01	1	0	0.09	0.91	0	0.64	0	117.17	9.563	0.467	13.86412432
C_MAS11	252.62	4/13/2017 12:01	12.67	0.78	0.88	0	0.01	0.01	0.01	1.43	0.01	1	0	0	1	0	0	0	263.68	23.114	0.958	41.42377148
C_MAS110	901.68	4/13/2017 12:00	4.87	0.1	0.46	0	0	0	0	0	0	1	0	0.99	0.01	1	0	185.974	121.03	9.858	7.45	50.17012211
C_MAS111	901.36	4/13/2017 12:00	9.62	0	0.1	0	0	0	0	0	0	1	0	0.63	0.37	0	0	71.194	121.03	9.858	7.447	35.9743266
C_MAS112	98.55	4/13/2017 11:55	13.05	0.27	0.41	0	0	0	0	0	0	1	0	0	1	0	0	0	18.97	1.818	5.195	18.58268059
C_MAS113	47.86	4/13/2017 12:25	4.42	0.35	0.54	0	0.01	0.66	0.01	0.01	0.01	1	0	0.21	0.79	0	0	0	29.58	2.195	1.618	12.28236808
C_MAS114	185.66	4/13/2017 12:12	0.5	0.01	0.69	0	0	0	0	0	0	1	0	1	0	0.82	0	386.069	27.07	1.87	6.859	45.13567757
C_MAS115	103.86	4/13/2017 12:03	8.93	0.38	0.72	0	0	0	0	0	0	1	0	0.17	0.83	0.07	0	0	23.9	1.737	4.346	15.60017093
C_MAS116	82.88	4/13/2017 12:13	5.48	0	0.07	0	0	0	0	0	0	1	0	0.03	0.97	0	0	44.174	28.26	1.431	2.933	55.99872394
C_MAS118	220.22	4/13/2017 12:01	4.24	0.01	0.24	0	0	0	0	0	0	1	0	1	0	1	0	60.967	26.52	5.878	8.304	54.99112408
C_MAS12	2154.01	4/13/2017 12:03	5.48	0.01	0.1	0	0	0	0	0	0	1	0	1	0	1	0	193.977	299.27	34.269	7.198	73.19257764
C_MAS121	270.42	4/13/2017 11:58	2.43	0.01	0.59	0	0.01	0.01	0.87	0.01	0.01	1.03	0	1	0	1	0	118.963	61.59	4.767	4.391	147.5208785
C_MAS124	33.76	4/13/2017 12:00	9.11	0.38	0.43	0	0	0	0	0	0	1	0	0.94	0.06	0	0	0	46.78	2.133	0.722	12.85634979
C_MAS125	1119.97	4/13/2017 12:19	11.62	0.01	0.16	0	0	0	0	0	0	1	0	0.81	0.19	0.99	0	56.23	451.66	30.671	2.48	30.68142556
C_MAS13	2130.13	4/13/2017 12:02	6.44	0	0.05	0	0	0	0	0	0	1	0	1	0	0	0	201.683	294.59	33.778	7.231	33.75027361
C_MAS136	118.98	4/13/2017 11:58	8.64	0.04	0.26	0	0	0	0	0	0	1	0	0	1	0	0	34.725	15.36	1.209	7.746	59.96885584
C_MAS14	2088.34	4/13/2017 12:02	6.58	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	195.05	286.63	32.198	7.286	98.3647377
C_MAS140	83.07	4/13/2017 12:12	13.54	0.58	0.64	0	0.01	1.12	0.01	0.01	0.01	1	0	0	1	0	0	0	28.26	1.431	2.939	15.78693309
C_MAS142	421.59	4/13/2017 12:00	5.84	0.01	0.21	0	0	0	0	0	0	1	0	0.09	0.91	0.15	0	69.782	70.57	6.55	5.974	205.6754237
C_MAS143	49.57	4/13/2017 11:55	1.06	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	105.385	6.24	0.645	7.944	131.5182141
C_MAS144	88.74	4/13/2017 11:55	7.53	0.05	0.2	0	0	0	0	0	0	1	0	0.87	0.13	0.98	0	0	10.33	1.147	8.591	33.01068998
C_MAS145	120.37	4/13/2017 11:56	3.67	0.01	0.15	0	0	0	0	0	0	1	0	0.14	0.86	0.95	0	62.251	15.36	1.209	7.837	161.8987431
C_MAS146	165.6	4/13/2017 11:57	4.86	0	0.03	0	0	0	0	0	0	1	0	0.98	0.02	1	0	54.325	22.38	2.873	7.399	102.3105169
C_MAS147	216.02	4/13/2017 12:00	2.62	0.03	0.4	0	0	0	0	0	0	1	0	1	0	1	0	65.024	80.23	8.576	2.693	100.2446787
C_MAS148	207.41	4/13/2017 11:57	0.96	0	0.24	0	0	0	0	0	0	1	0	1	0	1	0	380.241	28.04	3.579	7.397	100.5431636
C_MAS15	1156.76	4/13/2017 12:02	3.36	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	154.878	246.1	21.98	4.7	214.2560985
C_MAS151	118.77	4/13/2017 11:59	2.18	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	130.146	15.36	1.209	7.732	75.28839487
C_MAS152	212.57	4/13/2017 11:55	6.77	0.24	0.57	0	0	0	0	0	0	1	0	0	1	0.01	0	97.069	28.04	3.579	7.581	60.6963627
C_MAS155	80.92	4/13/2017 12:00	5.68	0.01	0.15	0	0	0	0	0	0	1	0	0.94	0.06	0.99	0	37.904	10.67	0.866	7.584	50.51715539
C_MAS156	107.57	4/13/2017 12:00	3.21	0.04	0.29	0	0	0	0	0	0	1	0	0.54	0.46	0.56	0	90.903	13.86	1.142	7.761	96.24052282
C_MAS157	766.57	4/13/2017 12:00	1.17	0	0.4	0	0	0	0	0	0	1	0	1	0	0.27	0	271.707	35.09	4.454	21.846	72.93025148
C_MAS158	131.52	4/13/2017 11:55	0.86	0	0.22	0	0	0	0	0	0	1	0	1	0	1	0	95.308	14	1.461	9.394	56.34030674
C_MAS159	48.04	4/13/2017 11:55	10.84	0.57	0.6	0	0.01	0.78	0.01	0.01	0.01	1	0	0	1	0	0	0	14	1.461	3.431	18.59893778
C_MAS16	295.97	4/13/2017 12:01	12.85	0.87	0.86	0	0.01	1.16	0.01	1.48	0.01	1	0	0	0	0	0	0	212.48	20.186	1.393	61.80334538
C_MAS160	129.57	4/13/2017 11:55	4.33	0	0.06	0	0	0	0	0	0	1	0	0.99	0.01	1	0	66.362	14	1.461	9.255	171.3144127
C_MAS161	207.84	4/13/2017 12:01	4.17	0.01	0.16	0	0	0	0	0	0	1	0	1	0	1	0	75.57	29.04	4.497	7.157	141.4845356
C_MAS162_1	111.86	4/13/2017 12:00	5.28	0	0.07	0	0	0	0	0	0	1	0	0	1	1	0	55.772	13.51	3.348	8.28	45.49247719
C_MAS162_2	142.99	4/13/2017 12:01	0.65	0	0.26	0	0	0	0	0	0	1	0	1	0	1	0	118.362	19.07	3.526	7.498	119.7694308

Conduits SWMM 50-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C_MAS163	60.39	4/13/2017 12:01	13.03	0.52	0.62	0	0.01	1.62	0.01	0.01	0.01	1	0	0	1	0	0	0	29.04	4.497	2.08	15.23192228
C_MAS164	153.78	4/13/2017 11:55	6.32	0	0.02	0	0	0	0	0	0	1	0	0.94	0.06	1	0	42.048	15.74	3.714	9.77	127.5449913
C_MAS165	253.27	4/13/2017 11:55	3.64	0	0.2	0	0	0	0	0	0	1	0	0.04	0.96	0.15	0	109.725	26.52	5.878	9.55	200.8874347
C_MAS166	132.42	4/13/2017 11:55	5.92	0	0.02	0	0	0	0	0	0	1	0	0.04	0.96	1	0	47.893	14.24	1.731	9.299	99.02068936
C_MAS167	130.18	4/13/2017 11:55	5.12	0	0.06	0	0	0	0	0	0	1	0	0.04	0.96	0.05	0	62.909	14.24	1.731	9.142	91.52905127
C_MAS168	229.33	4/13/2017 12:00	1.48	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	138.405	33.8	0.667	6.785	62.98177373
C_MAS169	378.71	4/13/2017 12:00	1.46	0	0.42	0	0	0	0	0	0	1.84	0	1	0	1	0	125.15	97.57	10.384	3.881	256.5140136
C_MAS17	1825.69	4/13/2017 12:01	7.33	0.01	0.15	0	0	0	0	0	0	1	0	1	0	0.97	0	129.386	245.55	26.232	7.435	77.578507
C_MAS170	179.03	4/13/2017 12:00	6.87	0	0.06	0	0	0	0	0	0	1	0	0	1	0	0	35.924	49.76	4.039	3.598	114.2284415
C_MAS171	270.53	4/13/2017 11:57	7.73	0	0.03	0	0	0	0	0	0	1	0	0.83	0.17	0.97	0	51.288	61.59	4.767	4.392	140.4657336
C_MAS174	1294.7	4/13/2017 12:03	12.71	0.01	0.16	0	0	0	0	0	0	1	0	0.84	0.16	0.77	0	68.509	280.94	24.018	4.608	85.81932913
C_MAS175	1280.84	4/13/2017 12:04	2.95	0.01	0.24	0	0	0	0	0	0	1	0	1	0	1	0	217.313	287.83	24.269	4.45	266.2516222
C_MAS18	1163.77	4/13/2017 12:00	9.08	0	0.11	0	0	0	0	0	0	1	0	0	1	0.01	0	61.345	159.9	13.783	7.278	57.10633968
C_MAS19	1114.55	4/13/2017 12:01	8.08	0	0.1	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	89.145	151.8	11.61	7.342	46.29669037
C_MAS2	1162.4	4/13/2017 12:20	5.5	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	120.95	481.42	32.26	2.415	77.50610474
C_MAS20	1061.47	4/13/2017 12:01	7.93	0	0.09	0	0	0	0	0	0	1	0	0	1	0.06	0	147.76	143.58	11.415	7.393	64.65104058
C_MAS21	688.64	4/13/2017 12:01	6.16	0.02	0.17	0	0	0	0	0	0	1	0	1	0	0.18	0	78.154	137.84	16.696	4.996	154.0571608
C_MAS22	1383.74	4/13/2017 12:01	8.39	0.01	0.14	0	0	0	0	0	0	1	0	0.98	0.02	0.98	0	93.049	169.92	19.398	8.143	139.876999
C_MAS23	1032.04	4/13/2017 12:00	10.33	0.01	0.2	0	0	0	0	0	0	1	0	0	1	0.01	0	63.126	124.81	10.642	8.269	60.49465891
C_MAS24	937.39	4/13/2017 12:00	5.06	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	126.547	126.23	9.905	7.426	119.5828772
C_MAS25	41.06	4/13/2017 12:00	8.87	0.67	0.62	0	0.01	0.13	0.01	0.01	0.01	1	0	0	1	0	0	0	97.57	10.384	0.421	26.92170775
C_MAS26	536.75	4/13/2017 12:00	2.23	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	189.154	78.48	3.522	6.839	210.5014474
C_MAS27	507.83	4/13/2017 12:00	2.58	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	162.731	114.1	13.921	4.451	175.7077301
C_MAS28_1	195.18	4/13/2017 12:02	3.34	0	0.04	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	178.209	60.86	5.884	3.207	105.0558864
C_MAS28_2	73.6	4/13/2017 12:17	10.46	0.96	1	0	0.04	1.18	0.13	0.01	0.03	1	0	1	0	0.94	0	0	60.86	5.884	1.209	32.04684287
C_MAS29	719.36	4/13/2017 11:58	3.53	0	0.12	0	0	0	0	0	0	1	0	1	0	0.39	0	159.803	82.04	6.94	8.768	126.9878542
C_MAS3	1151.09	4/13/2017 12:20	6.87	0	0.08	0	0	0	0	0	0	1	0	1	0	0	0	96.554	471.43	32.105	2.442	101.8931368
C_MAS30	413.91	4/13/2017 12:01	5.35	0	0.06	0	0	0	0	0	0	1	0	0.99	0.01	1	0	96.706	101.08	11.965	4.095	24.90548457
C_MAS31	214.2	4/13/2017 12:00	4.46	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	70.648	72.04	7.467	2.973	49.88738827
C_MAS32	810.81	4/13/2017 11:59	2.51	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	158.446	108.44	8.975	7.477	111.1857436
C_MAS33	85.13	4/13/2017 12:00	4.83	0.01	0.13	0	0	0	0	0	0	1	0	0.78	0.22	0.68	0	34.898	11.12	0.034	7.656	88.29540461
C_MAS34	433.33	4/13/2017 12:00	5.9	0	0.07	0	0	0	0	0	0	1	0	0.93	0.07	0.79	0	98.545	62.6	3.475	6.922	147.3623826
C_MAS35	565.46	4/13/2017 11:57	8.4	0	0.09	0	0	0	0	0	0	1	0	0.91	0.09	0.95	0	66.716	64.43	4.211	8.776	133.4389115
C_MAS36	65.07	4/13/2017 11:55	11.77	1.28	1	0	0.26	2.21	0.26	2.39	0.26	1	0	0.02	0.98	0.64	0	0	59.69	5.597	1.09	12.74008424
C_MAS37	478.24	4/13/2017 11:57	4.3	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	112.908	63.16	5.486	7.572	98.06638244
C_MAS38	125.31	4/13/2017 12:00	3.42	0	0.09	0	0	0	0	0	0	1	0	0.06	0.94	0.03	0	118.984	61.33	6.808	2.043	171.4645461
C_MAS39	363.76	4/13/2017 12:00	10.35	0	0.11	0	0	0	0	0	0	1	0	0	1	0	0	50.748	53.4	3.245	6.812	106.3760079
C_MAS4	938.52	4/13/2017 12:17	5.61	0.01	0.19	0	0	0	0	0	0	1	0	1	0	0.05	0	150.617	363.16	27.125	2.584	102.654184
C_MAS40	289.02	4/13/2017 12:00	3.24	0.01	0.22	0	0	0	0	0	0	1	0	1	0	1	0	125.941	38.49	3.539	7.509	120.0630684
C_MAS41	309.89	4/13/2017 11:56	1.13	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	161.295	54.61	4.482	5.675	105.9201318
C_MAS42	389.76	4/13/2017 11:56	7.91	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	47.502	51.77	5.179	7.529	143.1797577
C_MAS43	318.11	4/13/2017 12:00	2.37	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	154.592	46.78	2.133	6.8	76.68330518
C_MAS44	255.73	4/13/2017 12:00	5.54	0	0.06	0	0	0	0	0	0	1	0	0.01	0.99	1	0	70.87	34.2	2.81	7.477	59.5039045
C_MAS45	228.07	4/13/2017 12:00	2.22	0.01	0.53	0	0	0	0	0	0	1	0	1	0	1	0	197.553	32.35	0.897	7.05	319.3080002
C_MAS46	166.07	4/13/2017 11:56	4.31	0.26	0.59	0	0	0	0	0	0	1	0	0.05	0.95	0.06	0	86.791	22.38	2.873	7.42	42.72056374
C_MAS47	278.6	4/13/2017 11:56	3.41	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	98.54	31.66	2.788	8.8	163.1655523
C_MAS48	160.12	4/13/2017 12:00	5.06	0.01	0.14	0	0	0	0	0	0	1	0	0.01	0.99	0.03	0	65.085	22.67	1.802	7.063	79.07059184
C_MAS49	339.42	4/13/2017 11:56	2.45	0	0.19	0	0	0	0	0	0	1	0	1	0	1	0	118.623	38.99	3.296	8.705	255.8423313
C_MAS5	2353.59	4/13/2017 12:06	3.86	0	0.07	0	0	0	0	0	0	1	0	1	0	0.02	0	304.114	351.02	38.361	6.705	136.7470435
C_MAS50	172.37	4/13/2017 12:00	5.1	0.03	0.34	0	0	0	0	0	0	1	0	1	0	0.9	0	36.389	22.36	3.45	7.709	71.26064963
C_MAS51	141.72	4/13/2017 11:55	4.2	0	0.01	0	0	0	0	0	0	1	0	0.96	0.04	0.99	0	87.941	18.71	2.698	7.575	103.1104444
C_MAS52	141.69	4/13/2017 11:55	3.13	0.01	0.18	0	0	0	0	0	0	1	0	1	0	1	0	87.612	17.88	0.594	7.924	81.18305732
C_MAS53	283.1	4/13/2017 11:55	4.73	0	0.04	0	0	0	0	0	0	1	0	0.01	0.99	0	0	97.201	31.66	2.788	8.942	76.39122859
C_MAS54	13.45	4/13/2017 12:00	9.73	0.62	0.88	0	0.01	2.87	0.01	0.01	0.01	1	0	0.14	0.86	0	1	0	22.67	1.802	0.593	20.35471619
C_MAS56	159.4	4/13/2017 12:00	1.75	0.03	0.48	0	0	0	0	0	0	1	0	1	0	1	0	103.043	22.33	0.049	7.138	93.20040738
C_MAS57	177.26	4/13/2017 11:55	6.7	0	0.07	0	0	0	0	0	0	1	0	0.96	0.04	1	0	50.846	22.96	3.226	7.72	91.69725169
C_MAS58	302.44	4/13/2017 12:00	6.17	0.01	0.1	0	0	0	0	0	0	1	0	0.84	0.16	0.02	0	78.186	42.11	1.464	7.182	149.5652965
C_MAS6	936.3	4/13/2017 12:15	5.93	0.04	0.32	0	0	0	0	0	0	1	0	1	0	1	0	144.056	349.84	26.88	2.676	195.0624283
C_MAS60	188.25	4/13/2017 11:55	9.23	0	0.03	0	0	0	0	0	0	1	0	0.93	0.07	0.95	0	28.152	23.46	2.514	8.024	105.5117433
C_MAS61_1	257.28	4/13/2017 11:54	0.81	0	0.17	0	0	0	0	0	0	1	0	1	0	0.97	0	170.33	26.51	3.59	9.705	67.78091019
C_MAS61_2	73.19	4/13/2017 11:52	10.71	0.95	1	0	1.11	1.24	7.89	0.01	0.12	1	0	0.64	0.36	0.76	0	0	32.49	4.147	2.253	32.36845735
C_MAS62	93.21	4/13/2017 11:55	1.56	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	84.314	9.78	1.979	9.531	145.9335497
C_MAS63	139.32	4/13/2017 11:56	2.83	0	0.08	0	0	0	0	0	0	1	0	0.94	0.06	0.99	0	140.641	17.35	1.509	8.03	114.4986979
C_MAS64	138.3	4/13/2017 12:00	1.14	0	0.19	0	0	0	0	0	0	1	0	1	0	1	0	106.906	19.96	1.713	6.929	82.33052068
C_MAS66	75.78	4/13/2017 11:55	1.07	0.01	0.31	0	0	0	0	0	0	1	0	1	0	1	0	91.145	8.33	1.033	9.097	176.9478634
C_MAS67	209.89	4/13/2017 11:55	0.81	0	0.22	0	0	0	0	0	0	1	0	1	0	1	0	143.92	24.59	0.4	8.536	77.2983493
C_MAS68_1	114.7	4/13/2017 11:55	4.43	0	0.03	0	0	0	0	0	0	1	0	1	0	0.94	0	32.544	12.98	1.777	8.837	25.37677913
C_MAS68_2	141.62	4/13/2017 11:55	4.7	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	32.544	16.18	2.052	8.753	102.1964261
C_MAS69_1	152.91	4/13/2017 11:56	2.93	0.04	0.48	0	0	0	0	0	0	1	0	1	0	1	0	80.486	17.65	2.83	8.663	100.2685568
C_MAS69_2	134.17	4/13/2017 12:00	12.16	0.66	0.74	0	0.01	0.01	0.01	0.23	0.01	1	0	0	1	0	0	0	17.65	2.83	7.602	18.27569272

Conduits SWMM 50-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C_MAS7	250.17	4/13/2017 12:15	14.09	0.85	0.92	0	0.01	2.66	0.01	3.08	0.01	1	0	0	1	0	0	0	343.83	26.264	0.728	22.05625486
C_MAS70	152.18	4/13/2017 11:55	1.59	0.01	0.31	0	0	0	0	0	0	1	0	1	0	1	0	79.939	18.97	1.818	8.022	26.18314109
C_MAS71	99.61	4/13/2017 11:55	4.04	0.01	0.16	0	0	0	0	0	0	1	0	0.38	0.62	0.91	0	47.058	11.51	1.042	8.654	166.49377
C_MAS73	194.5	4/13/2017 12:00	5.73	0.01	0.12	0	0	0	0	0	0	1	0	0	1	0	0	55.502	26.14	1.05	7.441	99.31026742
C_MAS74	192.2	4/13/2017 11:55	5.04	0	0.03	0	0	0	0	0	0	1	0	0.98	0.02	1	0	52.134	20.64	2.269	9.312	164.4272771
C_MAS75	184.31	4/13/2017 11:55	4.94	0	0.04	0	0	0	0	0	0	1	0	0.98	0.02	1	0	59.306	20.92	0.34	8.81	37.62653763
C_MAS76	218.06	4/13/2017 11:56	2.75	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	101.725	23.09	1.229	9.444	240.8500144
C_MAS77	390.63	4/13/2017 11:55	6.57	0.06	0.32	0	0	0	0	0	0	1	0	0	1	0.05	0	75.577	51.77	5.179	7.545	44.29598377
C_MAS78	44.69	4/13/2017 12:00	9.85	0.8	0.61	0	0.01	0.73	0.01	0.01	0.01	1	0	0	1	0	0	0	11.76	2.888	3.8	27.74191548
C_MAS79	81.12	4/13/2017 12:00	6.34	0	0.08	0	0	0	0	0	0	1	0	0.01	0.99	0.03	0	32.95	10.67	0.866	7.603	47.21711629
C_MAS8	2286.79	4/13/2017 12:03	8.86	0	0.09	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	146.794	328.2	37.485	6.968	76.40556648
C_MAS80	110.63	4/13/2017 11:55	4.58	0	0.08	0	0	0	0	0	0	1	0	0.99	0.01	1	0	45.921	13.51	1.295	8.189	97.28608491
C_MAS81	90.55	4/13/2017 11:55	6.17	0	0.03	0	0	0	0	0	0	1	0	0.02	0.98	0.89	0	30.786	10.2	0.131	8.877	50.99364714
C_MAS83	71.15	4/13/2017 12:00	0.86	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	190.859	9.26	1.126	7.684	136.1405258
C_MAS84	77.3	4/13/2017 11:55	4.2	0	0.02	0	0	0	0	0	0	1	0	0.64	0.36	1	0	32.874	8.11	1.078	9.531	69.55755202
C_MAS85	128.11	4/13/2017 11:55	3.12	0	0.03	0	0	0	0	0	0	1	0	0.96	0.04	1	0	83.054	14.62	2.281	8.763	93.67955491
C_MAS86	95.31	4/13/2017 11:55	0.52	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	167.194	10.27	2.434	9.28	58.66021066
C_MAS87	70.63	4/13/2017 12:00	3.42	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	53.284	10.31	1.137	6.851	135.2008989
C_MAS88	158.89	4/13/2017 11:55	3.71	0	0.04	0	0	0	0	0	0	1	0	0.98	0.02	0.99	0	63.792	15.81	1.102	10.05	101.3504289
C_MAS89	283.67	4/13/2017 12:00	4.95	0.03	0.24	0	0	0	0	0	0	1	0	1	0	1	0	76.638	38.47	4.111	7.374	53.1919305
C_MAS9	2233.9	4/13/2017 12:03	5.89	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	192.019	315.21	35.445	7.087	106.3752608
C_MAS90	126.5	4/13/2017 11:56	5.1	0	0.04	0	0	0	0	0	0	1	0	0.22	0.78	0.99	0	53.869	14.67	0.767	8.623	260.5380836
C_MAS92	66.94	4/13/2017 11:55	3.1	0	0.03	0	0	0	0	0	0	1	0	0.96	0.04	1	0	82.748	7.08	1.815	9.455	44.84152175
C_MAS93	108.79	4/13/2017 12:00	3.91	0	0.1	0	0	0	0	0	0	1	0	0.14	0.86	0.31	0	51.078	14.5	0.811	7.503	154.8969064
C_MAS94	118	4/13/2017 12:00	3.98	0.01	0.17	0	0	0	0	0	0	1	0	0.02	0.98	0.06	0	64.651	16.41	1.442	7.191	20.77832765
C_MAS96	66.26	4/13/2017 11:55	3.1	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	55.176	7.95	0.98	8.335	68.77161837
C_MAS97	117.73	4/13/2017 11:56	1.1	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	204.704	14.99	0.879	7.854	131.3779806
C_MAS98	2341.17	4/13/2017 12:04	5.27	0.02	0.16	0	0	0	0	0	0	1	0	1	0	0.04	0	245.148	336.64	37.906	6.955	251.0841673
C_MAS99	1228.62	4/13/2017 12:03	6.12	0.02	0.23	0	0	0	0	0	0	1	0	1	0	0.98	0	115.139	266.58	23.157	4.609	31.25805122
C1	56955.46	4/13/2017 15:19	8.33	1.11	1	0	2.58	2.58	2.63	1.81	1.81	1	0	1	0	0	0	917.45	3582.93	274.53	15.896	35.65413971
C100	1115.33	4/13/2017 12:03	15.43	0.71	0.92	0	0.01	1.08	2.01	1.73	0.01	1	0	0.18	0.82	0.08	0	0	557.95	64.942	1.999	25.96101939
C1002	112.41	4/13/2017 11:55	10.1	0	0.04	0	0	0	0	0	0	1	0	0.78	0.22	0.91	0	20.862	12.05	1.231	9.329	167.0154268
C1005	44.02	4/13/2017 12:00	0.77	0	0.04	0	0	0	0	0	0	1	0	0.8	0.2	0.98	0	138.866	6.01	0	7.324	83.20940672
C1006	91.18	4/13/2017 11:57	1.03	0	0.22	0	0	0	0	0	0	1	0	1	0	1	0	78.382	10.73	0.848	8.498	114.2036935
C1008	94.93	4/13/2017 12:00	1.04	0.01	0.17	0	0	0	0	0	0	1	0	1	0	1	0	223.849	13.81	0	6.874	101.1996715
C101	460.29	4/13/2017 12:40	3.17	0.01	0.15	0	0	0	0	0	0	1	0	1	0	1	0	165.932	400.64	16.31	1.149	84.12244562
C1013	41	4/13/2017 12:00	0.07	0	0.63	0	0.01	0.01	7.67	0.01	0.01	1	0	1	0	0.94	0	309.068	7.33	0.247	5.593	100.721408
C1018	53.36	4/13/2017 12:00	2.34	0.01	0.16	0	0	0	0	0	0	1	0	1	0	0.1	0	63.069	7.6	1.175	7.021	26.97037232
C1019	69.56	4/13/2017 12:00	1.56	0	0.04	0	0	0	0	0	0	1	0	0.37	0.63	0.45	0	111.335	9.48	0.87	7.338	270.6778555
C102	435.52	4/13/2017 12:20	5.65	0.22	0.6	0	0	0	0	0	0	1	0	0	0	0	0	87.46	177.14	7.223	2.459	14.50396621
C102_1	464.95	4/13/2017 12:20	4.1	0.07	0.4	0	0	0	0	0	0	1	0	1	0	1	0	66.083	177.14	7.223	2.625	158.9320858
C102_3	29.32	4/13/2017 12:20	5.29	0.91	0.73	0	0.01	0.01	0.62	0.01	0.01	1	0	1	0	0	0	0	177.14	7.223	0.166	10.07967313
C102_4	464.76	4/13/2017 12:21	5.92	0.04	0.31	0	0	0	0	0	0	1	0	1	0	1	0	54.371	177.14	7.223	2.624	92.41661199
C1022	91.8	4/13/2017 11:55	8.21	0	0.04	0	0	0	0	0	0	1	0	0.01	0.99	1	0	41.629	9.63	0.915	9.533	56.1684722
C1024	66.74	4/13/2017 12:00	0.75	0	0.26	0	0	0	0	0	0	1	0	1	0	1	0	413.131	8.91	0.468	7.49	109.9638358
C1025	34.05	4/13/2017 12:00	0.57	0	0.12	0	0	0	0	0	0	1	0	1	0	0.96	0	144.551	6.55	0.054	5.198	113.1207088
C1026	68.17	4/13/2017 12:00	0.94	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	119.967	8.77	0.128	7.773	187.8598095
C1029	147.07	4/13/2017 11:55	5.49	0	0.03	0	0	0	0	0	0	1	0	0.03	0.97	1	0	48.146	15.96	2.793	9.215	65.61683333
C103	882.76	4/13/2017 13:17	4.56	0.05	0.4	0	0	0	0	0	0	1	0	1	0	1	0	86.7	1470.98	32.095	0.6	178.5957232
C1030	58.52	4/13/2017 12:00	4.58	0	0.12	0	0	0	0	0	0	1	0	0.98	0.02	0.16	0	24.016	7.48	0.476	7.824	62.56276668
C1032	23.92	4/13/2017 11:55	1.26	0.01	0.21	0	0	0	0	0	0	1	0	1	0	1	0	68.012	3.13	0.756	7.642	22.78491269
C1037	156.33	4/13/2017 11:55	3.69	0	0.04	0	0	0	0	0	0	1	0	0.96	0.04	1	0	101.841	17.68	1.958	8.842	139.5464772
C1038	51.76	4/13/2017 12:00	1.43	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	136.992	6.3	0.098	8.216	156.9139468
C104	389.77	4/13/2017 12:03	2.16	0	0.04	0	0	0	0	0	0	1	0	1	0	0.99	0	478.646	81.12	2.737	4.805	261.6141289
C104_1	19137.82	4/13/2017 15:58	9.79	4.09	0.73	0	0.01	0.01	0.01	6.19	0.01	1	0	1	0	0	0	462.038	249.46	14.215	76.717	189.991246
C104_2	19151.21	4/13/2017 16:01	13.03	0.2	0.67	0	0	0	0	0	0	1	0	1	0	0.37	0	278.162	520.27	38.604	36.81	63.51776781
C1042	58.75	4/13/2017 12:00	2.53	0	0.03	0	0	0	0	0	0	1	0	1	0	0.99	0	80.214	7.23	0.606	8.126	136.3987378
C1044	116.46	4/13/2017 11:55	4.99	0	0.07	0	0	0	0	0	0	1	0	0	1	0.04	0	55.072	13.76	1.45	8.464	98.31669329
C1045	101.38	4/13/2017 12:00	5.65	0.05	0.28	0	0	0	0	0	0	1	0	0.03	0.97	0.02	0	38.46	14.65	0.844	6.92	126.5614761
C1047	448.01	4/13/2017 13:07	0.08	0	0.6	0	0	0	0	0	0	1	0	1	0	0.59	0	2075.567	6.26	0	71.567	105.6558867
C1048	53.07	4/13/2017 12:00	0.26	0	0.25	0	0	0	0	0	0	1	0	1	0	1	0	124.615	6.42	0.138	8.266	147.0528042
C104MAS	63.45	4/13/2017 12:03	5.62	0.21	0.45	0	0	0	0	0	0	1	0	0.91	0.09	0.9	0	0	30.78	1.792	2.061	16.20994649
C105	882.9	4/13/2017 13:15	2.73	0.04	0.35	0	0	0	0	0	0	1	0	1	0	0.88	0	196.403	1468.58	32.095	0.601	71.95812332
C1050_1	93.49	4/13/2017 11:55	1.51	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	88.603	11.64	1.097	8.032	127.5331789
C1050_2	50.62	4/13/2017 12:07	0.78	0	0.28	0	0	0	0	0	0	1	0	1	0	1	0	197.171	11.64	1.097	4.349	115.5785272
C1050_3	50.69	4/13/2017 12:06	8.19	0.3	0.52	0	0	0	0	0	0	1	0	0	1	0	0	0	11.64	1.097	4.355	21.13051429
C1050_4	19.27	4/13/2017 12:47	7.05	0.46	0.56	0	0.01	1.2	0.01	0.01	0.01	1	0	0	1	0	0	0	11.64	1.097	1.655	18.75848333
C1050_6	19.27	4/13/2017 12:48	1.51	0	0.07	0	0	0	0	0	0	1	0	0.22	0.78	0.13	0	73.935	11.64	1.097	1.655	140.5551877
C1052	38.45	4/13/2017 12:01	0.85	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	183.835	7.06	0.861	5.446	182.032511
C1053	94.66	4/13/2017 11:55	1.58	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	106.81	10.73	0.848	8.822	32.29938322

Conduits SWMM 50-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C1056	42.19	4/13/2017 12:00	1.52	0	0.26	0	0	0	0	0	0	1	0	1	0	0.96	0	308.595	7.33	0.247	5.756	34.03687906
C1058	67.22	4/13/2017 11:55	4.32	0	0.05	0	0	0	0	0	0	1	0	0.04	0.96	0.07	0	31.133	8.11	0.85	8.289	62.15875579
C1058MAS	112	4/13/2017 11:58	5.89	0	0.06	0	0	0	0	0	0	1	0	0	1	0.02	0	35.057	13.83	3.044	8.098	62.15875579
C1059	160.55	4/13/2017 12:00	2.84	0.05	0.64	0	0.01	0.01	7.37	0.01	0.01	1	0	1	0	0.96	0	37.026	24.1	1.565	6.662	35.53786437
C106	428.13	4/13/2017 12:18	2.65	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	192.114	160.06	5.898	2.675	36.28243121
C1060	94.77	4/13/2017 11:55	2.8	0	0.07	0	0	0	0	0	0	1	0	0.09	0.91	0	0	88.898	11.13	1.755	8.515	46.36631247
C1064	129.02	4/13/2017 12:00	1.02	0.01	0.19	0	0	0	0	0	0	1	0	1	0	1	0	238.463	18.28	1.363	7.058	89.14545344
C107	453.52	4/13/2017 12:35	1.22	0.01	0.37	0	0	0	0	0	0	1	0	1	0	0.87	0	420.808	388.08	14.38	1.169	140.2705732
C1071	94.29	4/13/2017 12:00	1.4	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	129.266	13.02	0.028	7.242	104.8904713
C1074	74.95	4/13/2017 11:55	1.76	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	96.922	8.01	0.953	9.357	17.89312618
C1077	56.47	4/13/2017 12:00	2.71	0	0.09	0	0	0	0	0	0	1	0	0.03	0.97	0.02	0	50.997	7.59	0.806	7.44	210.1136038
C1078	26.61	4/13/2017 12:00	1.27	0	0.03	0	0	0	0	0	0	1	0	1	0	0.39	0	113.379	4.91	0.289	5.42	89.59608087
C108	19.02	4/13/2017 12:02	7.98	0.86	0.78	0	0.01	0.48	0.01	0.01	0.01	1	0	0	1	0	0	0	44.12	4.437	0.431	22.49134274
C108_1	239.27	4/13/2017 12:01	9.3	0	0.09	0	0	0	0	0	0	1	0.86	0	0	0	0	84.764	44.12	4.437	5.423	23.63096731
C108_3	249.88	4/13/2017 12:03	0.89	0.02	0.61	0	0.01	0.01	0.73	0.01	0.01	1	0	1	0	1	0	444.11	44.12	4.437	5.664	209.8203606
C108_4	870.68	4/13/2017 12:29	6.79	0.4	0.89	0	0.01	0.01	3	3.68	0.01	1	0	1	0	0	0	0	1990.45	52.764	0.437	22.63773466
C1082	61.56	4/13/2017 12:00	3.83	0.01	0.19	0	0	0	0	0	0	1	0	0	1	0	0	61.074	9.3	0.517	6.619	164.7464878
C1083	101.61	4/13/2017 12:00	0.55	0	0.38	0	0	0	0	0	0	1	0	1	0	1	0	90.677	16.58	2.221	6.128	140.865769
C1084	7.3	4/13/2017 11:56	0.32	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	53.133	0	0	0	46.57938731
C1085	48.95	4/13/2017 12:00	2.28	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	75.35	7.22	0	6.78	105.841761
C1086	76.04	4/13/2017 12:00	1.42	0.01	0.1	0	0	0	0	0	0	1	0	1	0	0.96	0	224.58	9.61	0.626	7.913	50.32066099
C109_1	38977.23	4/13/2017 14:33	8.7	0.05	0.39	0	0	0	0	0	0	1	0	1	0	0.62	0	415.277	456.3	23.87	85.42	262.7382319
C109_2	38980.53	4/13/2017 14:34	9.43	0.03	0.38	0	0	0	0	0	0	1	0	1	0	0	0	405.111	552.76	30.156	70.52	43.22506291
C1090_2MAS	90.29	4/13/2017 11:55	2.13	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	89.537	9.01	1.501	10.021	38.78147154
C1090_3MAS	32	4/13/2017 11:55	10.1	0.74	0.62	0	0.01	0.61	0.01	0.01	0.01	1	0	0	1	0	0	0	9.01	1.501	3.552	15.59843263
C1090_4MAS	91.28	4/13/2017 11:55	4.13	0	0.04	0	0	0	0	0	0	1	0	0.99	0.01	1	0	54.288	9.01	1.501	10.131	70.95981692
C1094	148.63	4/13/2017 11:55	4.04	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	72.355	15.96	2.793	9.313	50.59601092
C1098	58.59	4/13/2017 11:55	3.71	0	0.04	0	0	0	0	0	0	1	0	0.99	0.01	1	0	38.761	7.59	0.806	7.719	16.48661161
C110	329.53	4/13/2017 12:39	10.93	1.19	0.73	0	0.01	2.4	0.01	3.56	0.01	1	0	0	1	0	0	0	396.18	15.51	0.832	22.55410422
C1103	65.9	4/13/2017 11:55	2.83	0	0.02	0	0	0	0	0	0	1	0	0.92	0.08	1	0	67.756	7.39	1.043	8.917	125.9376936
C1105	26.41	4/13/2017 12:00	2.53	0	0.04	0	0	0	0	0	0	1	0	0.11	0.89	0.44	0	22.844	3.79	0.497	6.968	28.9085687
C111	157.14	4/13/2017 12:00	1.08	0.02	0.36	0	0	0	0	0	0	1	0	1	0	1	0	168.914	23.14	1.461	6.791	171.2125289
C1111	19.15	4/13/2017 12:00	0.42	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	186.043	3.74	0.28	5.12	49.05455827
C1113	40.89	4/13/2017 12:00	1.41	0	0.11	0	0	0	0	0	0	1	0	1	0	0.89	0	112.1	7.99	0.939	5.118	152.4444202
C1115	54.57	4/13/2017 12:00	0.43	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	94.122	6.88	0.612	7.932	134.6973729
C1117	7485.19	4/13/2017 13:45	8.81	0.34	0.65	0	0	0	0	0	0	1	0	1	0	0.35	0	241.589	733.72	31.25	10.202	207.719163
C1118	7444.93	4/13/2017 13:37	6.8	0.48	0.78	0	0	0	0	0	0	1	0	1	0	0	0	381.605	618.01	24.663	12.047	128.7753256
C1119	7080.15	4/13/2017 13:32	6.03	0.28	0.64	0	0	0	0	0	0	1	0	1	0	0.53	0	243.697	50.3	1.709	140.758	248.9862777
C112	38982.77	4/13/2017 14:32	5.36	0.09	0.44	0	0	0	0	0	0	1	0	1	0	0	0	549.572	441.33	23.472	88.33	126.5717088
C1120	7066.96	4/13/2017 13:30	10.98	0.1	0.43	0	0	0	0	0	0	1	0	0.75	0.25	0.73	0	121.719	0	0	0	130.2074398
C1121	38949.56	4/13/2017 14:37	9.13	0.23	0.71	0	0	0	0	0	0	1	0	1	0	0.27	0	439.764	616.6	34.617	63.168	25.97577168
C1122	1161.36	4/13/2017 12:21	9.5	0.01	0.15	0	0	0	0	0	0	1	0	0.77	0.23	0	0	63.85	1637.95	37.221	0.709	126.6783642
C1123	38966.1	4/13/2017 14:36	11.27	0.14	0.4	0	0	0	0	0	0	1	0	1	0	0.03	0	358.455	594.66	33.302	65.527	203.2019753
C1124	916.11	4/13/2017 13:22	2.65	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	191.081	1532.58	32.968	0.598	75.83501991
C1125	916.19	4/13/2017 13:22	4.02	0.01	0.1	0	0	0	0	0	0	1	0	1	0	0.06	0	133.323	1532.58	32.968	0.598	66.21050872
C1127	881.04	4/13/2017 13:14	3.68	0.01	0.22	0	0	0	0	0	0	1	0	1	0	0.99	0	162.215	1460.15	32.095	0.603	61.49793485
C1129	38998.93	4/13/2017 14:31	10.8	0.14	0.37	0	0	0	0	0	0	1	0	1	0	0.01	0	382.708	401.95	21.079	97.024	116.7756267
C113	546.05	4/13/2017 12:16	3.02	0.01	0.22	0	0	0	0	0	0	1	0	1	0	0.91	0	217.147	381.42	14.371	1.432	86.70767833
C1130	19191.91	4/13/2017 15:54	8.56	0.27	0.67	0	0	0	0	0	0	1	0	1	0	0.47	0	295.277	210.63	13.23	91.117	206.0945883
C1131	38955.44	4/13/2017 14:30	11.88	0.16	0.4	0	0	0	0	0	0	1	0	1	0	0	0	328.86	263.32	9.948	147.94	43.97229413
C1133	3107.1	4/13/2017 12:04	4.91	0	0.2	0	0	0	0	0	0	1	0	0.99	0.01	0.81	0	501.042	572.4	68.021	5.428	212.6397409
C1134	818.97	4/13/2017 13:08	3.67	0.02	0.24	0	0	0	0	0	0	1	0	1	0	1	0	187.07	1363.61	28.637	0.601	197.0981842
C1140	821.77	4/13/2017 12:55	4.21	0.03	0.26	0	0	0	0	0	0	1	0	0.84	0.16	0	0	346.135	1333.52	27.051	0.616	22.8517174
C1142	321.2	4/13/2017 12:00	2.48	0.02	0.17	0	0	0	0	0	0	1	0	1	0	0.88	0	146.629	144.21	3.966	2.227	97.30277015
C1146	890.18	4/13/2017 12:03	3.89	0	0.2	0	0	0	0	0	0	1	0	1	0	1	0	93.024	120.91	18.56	7.362	599.4957905
C1148	181.26	4/13/2017 12:12	1.86	0.01	0.15	0	0	0	0	0	0	1	0	1	0	0.23	0	256.804	40.39	2.452	4.488	228.382814
C115	879.14	4/13/2017 13:13	3.89	0.01	0.18	0	0	0	0	0	0	1	0	1	0	0	0	182.82	1456.34	32.095	0.604	159.0478956
C1150	272.18	4/13/2017 12:15	2.16	0.03	0.34	0	0	0	0	0	0	1	0	1	0	1	0	363.691	96.94	3.681	2.808	73.54189162
C1153	97.75	4/13/2017 12:07	3.07	0.01	0.14	0	0	0	0	0	0	1	0	0.13	0.87	0.08	0	75.391	22.56	0.587	4.333	119.436237
C1155	918.51	4/13/2017 12:00	6.55	0.01	0.12	0	0	0	0	0	0	1	0	1	0	1	0	75.749	106.73	9.461	8.606	67.581434
C1156	64.55	4/13/2017 12:00	1.44	0	0.05	0	0	0	0	0	0	1	0	1	0	0.99	0	131.542	112.07	6.922	0.576	95.35977866
C116	460.12	4/13/2017 12:20	10.83	1.82	0.86	0	0.01	1.58	0.01	3.47	0.01	1	0	0.89	0.11	0	0.69	0	381.42	14.371	1.206	18.14781851
C1162	382.3	4/13/2017 11:58	6.71	0	0.07	0	0	0	0	0	0	1	0	0.64	0.36	0.65	0	82.855	44.8	0.383	8.533	175.1175295
C1163	271.51	4/13/2017 12:01	4.88	0	0.03	0	0	0	0	0	0	1	0	0	1	0.01	0	116.271	41.06	4.202	6.613	63.57916388
C1169	286.64	4/13/2017 12:00	1.69	0	0.14	0	0	0	0	0	0	1	0	0.37	0.63	0.39	0	197.24	64.57	6.26	4.439	196.8789639
C117	103.55	4/13/2017 12:00	1.29	0.01	0.14	0	0	0	0	0	0	1	0	1	0	0	0	173.48	15.03	1.063	6.89	97.76453973
C1170	222.53	4/13/2017 12:00	2.92	0.01	0.17	0	0	0	0	0	0	1	0	1	0	0.54	0	138.32	29.92	3.863	7.438	24.97698846
C1171	264.87	4/13/2017 12:00	0.98	0.01	0.19	0	0	0	0	0	0	1	0	1	0	0	0	645.954	45.05	2.152	5.879	30.59934703
C1172	81.47	4/13/2017 12:01	0.58	0	0.33	0	0	0	0	0	0	1	0	1	0	1	0	172.092	25.72	0.368	3.168	96.98223412
C1174	482.87	4/13/2017 11:56	7.49	0	0.13	0	0	0	0	0	0	1	0	0	1	0.01	0	79.342	53.17	5.187	9.082	74.7063057

Conduits SWMM 50-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C1175	266.92	4/13/2017 12:02	2.16	0	0.23	0	0	0	0	0	0	1	0	1	0	0.93	0	233.43	42.42	2.148	6.292	58.07919702
C1176	271.6	4/13/2017 12:08	7.43	0.02	0.2	0	0	0	0	0	0	1	0	0.79	0.21	0.78	0	35.02	55.08	4.06	4.931	102.9913105
C1178	68.25	4/13/2017 12:04	0.53	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	134.413	16.26	1.755	4.197	129.3607875
C118	19156.6	4/13/2017 15:56	4.87	0.26	0.83	0	0	0	0	0	0	1	0	1	0	0.34	0	910.997	238.05	14.105	80.473	269.929716
C1182_1	78.7	4/13/2017 12:08	3.61	0	0.04	0	0	0	0	0	0	1	0	0.85	0.15	0.98	0	100.164	18.24	1.619	4.315	158.0345313
C1182_2	138.42	4/13/2017 12:00	0.46	0	0.33	0	0	0	0	0	0	1	0	1	0	0.9	0	263.612	29.2	2.31	4.74	53.83679179
C1183	423.14	4/13/2017 11:57	8.66	0	0.09	0	0	0	0	0	0	1	0	0	1	0.04	0	47.346	50.69	6.821	8.348	32.20754755
C1185	393.35	4/13/2017 12:00	2.51	0	0.15	0	0	0	0	0	0	1	0	0.13	0.87	0.07	0	202.158	47.05	4.597	8.36	148.4513429
C1186	315.54	4/13/2017 11:57	1.93	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	180.315	36.07	2.751	8.748	148.7884592
C1188	121.94	4/13/2017 12:00	4.42	0	0.16	0	0	0	0	0	0	1	0	0.27	0.73	0.27	0	90.535	16.78	0.9	7.267	78.26627234
C1189_1	108.76	4/13/2017 12:00	10.17	1.07	0.71	0	0.01	0.68	0.01	0.9	0.01	1	0	0.71	0.29	0.69	0	0	29.26	0.902	3.717	23.28846921
C1189_2	253.42	4/13/2017 12:00	6.57	0	0.12	0	0	0	0	0	0	1	0	0	1	0.04	0	52.391	32.53	1.246	7.79	119.7294687
C119	535.05	4/13/2017 12:15	1.15	0.01	0.44	0	0	0	0	0	0	1	0	1	0	0.86	0	310.401	373.68	13.843	1.432	37.37632583
C1190	161.3	4/13/2017 12:01	1.83	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	266.594	26.79	4.098	6.021	94.58183851
C1194	130.47	4/13/2017 12:00	2.06	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	87.298	18.21	0	7.165	44.25698999
C1199	189.21	4/13/2017 12:00	3.66	0	0.05	0	0	0	0	0	0	1	0	0.98	0.02	0.97	0	113.727	23.74	1.348	7.97	57.96092798
C12	7476.4	4/13/2017 13:46	8.3	0.02	0.34	0	0	0	0	0	0	1	0	1	0	0	0	302.863	757.82	32.815	9.866	87.06811725
C120	880	4/13/2017 13:11	4.82	0.01	0.22	0	0	0	0	0	0	1	0	1	0	0.1	0	192.281	1456.34	32.095	0.604	64.99777017
C1200_1	35.94	4/13/2017 11:55	1.92	0	0.04	0	0	0	0	0	0	1	0	0.51	0.49	1	0	88.962	4.5	1.125	7.987	120.0100862
C1200_2	55.46	4/13/2017 11:59	0.91	0	0.08	0	0	0	0	0	0	1	0	0.51	0.49	0.54	0	136.318	7.22	1.543	7.681	88.32854362
C121	64.45	4/13/2017 12:00	0.71	0.07	0.69	0	0.01	0.01	3.32	0.01	0.01	1	0	1	0	1	0	166.974	12.83	2.164	5.023	73.76506246
C1214	65.98	4/13/2017 12:04	1.02	0	0.08	0	0	0	0	0	0	1	0	1	0	0.97	0	188.565	10.98	0.546	6.009	259.8767502
C1216	76.61	4/13/2017 12:00	0.15	0	0.6	0	0.01	0.01	5.49	0.01	0.01	1	0	1	0	0.85	0	261.099	11.94	0.124	6.416	96.75411289
C122	38990.52	4/13/2017 14:32	6.63	0.08	0.45	0	0	0	0	0	0	1	0	1	0	0.14	0	553.573	435	23.363	89.633	148.5642464
C1226	65.09	4/13/2017 12:00	2.04	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	84.101	9.44	0	6.895	47.72933515
C1229MAS	14.61	4/13/2017 11:58	1.21	0	0.11	0	0	0	0	0	0	1	0	1	0	0.02	0	55.569	5.78	0.532	2.528	21.60098485
C123	462	4/13/2017 12:15	1.79	0.01	0.35	0	0	0	0	0	0	1	0	1	0	0.91	0	235.046	349.87	12.194	1.32	78.48207815
C1231	171.91	4/13/2017 11:55	4.52	0	0.04	0	0	0	0	0	0	1	0	0.07	0.93	1	0	69.87	19.02	2.028	9.038	82.60441872
C1235	131.89	4/13/2017 11:55	5.33	0	0.03	0	0	0	0	0	0	1	0	0	1	0.02	0	51.282	14.1	3.189	9.354	75.02390329
C1236	99.71	4/13/2017 12:00	7.58	0.02	0.21	0	0	0	0	0	0	1	0	0.03	0.97	0.04	0	26.308	15.54	1.258	6.416	18.86385015
C1237	53.84	4/13/2017 11:56	11.55	0.73	0.63	0	0.01	0.84	0.01	0.01	0.01	1	0	0.01	0.99	0	0.61	0	13.01	1.687	4.138	14.32666433
C124	512.5	4/13/2017 12:00	3.88	0.01	0.3	0	0	0	0	0	0	1	0	1	0	0.02	0	133.214	349.87	12.194	1.465	18.00893231
C1247	53.03	4/13/2017 12:00	1.37	0	0.13	0	0	0	0	0	0	1	0	1	0	0.99	0	85.208	7.08	0.228	7.49	180.5562606
C125	19180.44	4/13/2017 15:54	3.99	0.38	0.91	0	0	0	0	0	0	1	0	1	0	0.36	0	684.386	218.67	13.815	87.714	127.2466166
C126	220.35	4/13/2017 12:00	11.75	0.11	0.36	0	0	0	0	0	0	1.19	0	0	1	0	0	0	26.52	5.878	8.309	11.95041262
C126MAS	50.6	4/13/2017 11:58	3	0.01	0.13	0	0	0	0	0	0	1	0.03	0.19	0	0.18	0	55.701	7.96	0.533	6.357	121.3607915
C127	38996.01	4/13/2017 14:32	9.15	0.06	0.39	0	0	0	0	0	0	1	0	1	0	0.83	0	422.535	417.98	22.75	93.296	132.8692098
C128	845.76	4/13/2017 13:10	4.09	0.03	0.27	0	0	0	0	0	0	1	0	1	0	1	0	141.511	1404.98	29.446	0.602	127.0068289
C129	215.79	4/13/2017 12:02	2.46	0.01	0.17	0	0	0	0	0	0	1	0	1	0	1	0	105.351	35.14	0.809	6.141	57.84401918
C13	921.72	4/13/2017 12:01	2.72	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	407.613	191.79	17.143	4.806	87.61870083
C130	612.93	4/13/2017 12:00	4.14	0	0.15	0	0	0	0	0	0	1	0	1	0	0.91	0	185.706	349.87	12.194	1.752	112.9958927
C131	69.05	4/13/2017 12:00	0.06	0	0.37	0	0	0	0	0	0	1	0	1	0	1	0	341.481	9.77	1.021	7.068	190.2701463
C131_2	203.58	4/13/2017 11:55	5.92	0	0.11	0	0	0	0	0	0	1	0	0	1	1	0	75.244	25.44	5.286	8.002	62.28937043
C131_3	304.95	4/13/2017 11:55	6.49	0.01	0.13	0	0	0	0	0	0	1	0	0	1	0.82	0	85.055	39	7.166	7.819	57.64370575
C131_4	347.15	4/13/2017 11:56	6.36	0.01	0.15	0	0	0	0	0	0	1	0	0.95	0.05	1	0	98.256	45.45	7.996	7.638	94.63654423
C131_5	257.17	4/13/2017 11:55	6.07	0.01	0.13	0	0	0	0	0	0	1	0	0	1	1	0	85.055	32.26	6.458	7.972	77.49932703
C131MAS	0.83	4/13/2017 12:01	0	0	0.51	0	0.01	0.01	24	0.01	0.01	1	0	1	0	1	0	150.075	7.96	0.533	0.104	108.8107004
C132	1048.74	4/13/2017 12:30	9.01	0.03	0.44	0	0	0	0	0	0	1	0.42	0	0	0	0	60.04	1990.45	52.764	0.527	29.8068504
C132_1	154.26	4/13/2017 12:00	2.67	0.18	0.73	0	0.01	0.01	3.19	0.01	0.01	1	0	1	0	0.98	0	111.527	22.33	2.527	6.908	43.90420206
C133	197.75	4/13/2017 12:02	3.26	0.01	0.15	0	0	0	0	0	0	1	0	1	0	0.94	0	63.958	32.17	0.809	6.147	90.95011962
C134	105.84	4/13/2017 12:00	0.36	0	0.51	0	0.01	0.01	6.22	0.01	0.01	1	0	1	0	1	0	238.547	15.09	1.539	7.014	130.2865694
C134MAS	14.42	4/13/2017 11:55	1.25	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	42.106	5.78	0.532	2.495	100.7501423
C135	94.95	4/13/2017 12:00	0.97	0.08	0.71	0	0.01	0.01	7.71	0.01	0.01	1	0	1	0	1	0	258.049	14.39	0.714	6.598	112.7035932
C136	38999.45	4/13/2017 14:31	11.28	0.2	0.38	0	0	0	0	0	0	1	0	1	0	0	0	350.081	396.01	21.079	98.481	54.31877488
C137MAS	0.18	4/13/2017 0:00	0.17	0	0.21	0	0	0	0	0	0	1	0	1	0	1	0	139.702	23.2	1.538	0.008	43.68939568
C138	79.66	4/13/2017 12:00	1.55	0	0.4	0	0	0	0	0	0	1	0	1	0	1	0	220	12.98	0.024	6.137	94.50369512
C139	38956.82	4/13/2017 14:31	8.4	0.23	0.51	0	0	0	0	0	0	1	0	1	0	0.01	0	427.039	295.37	12.261	131.892	40.092379
C13MAS	32.68	4/13/2017 12:06	1.16	0.68	1	0	17.53	17.53	24	0.01	0.01	1	0	1	0	0.07	0	70.77	55.92	4.959	0.584	138.7694072
C14	692.71	4/13/2017 12:00	2.68	0	0.19	0	0	0	0	0	0	1	0	1	0	1	0	261.609	120.91	18.56	5.729	19.2383905
C140	68.06	4/13/2017 12:00	0.91	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	290.611	10.81	0.103	6.296	50.873717
C141	50.59	4/13/2017 12:08	1.68	0.01	0.09	0	0	0	0	0	0	1	0	1	0	0.88	0	97.192	16.07	0.368	3.148	67.00291779
C142	87.66	4/13/2017 12:22	0.84	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	277.793	34.94	0.603	2.509	67.55128063
C142_1	173.01	4/13/2017 12:01	1.86	0.01	0.26	0	0	0	0	0	0	1	0	1	0	0.96	0	202.498	25.68	0.026	6.737	350.4029619
C142_3	27.23	4/13/2017 12:23	9.17	0.4	0.44	0	0	0	0	0	0	1	0	0	1	0	0	0	25.68	0.026	1.06	19.00183855
C143	19197.02	4/13/2017 15:53	9.85	0.19	0.41	0	0	0	0	0	0	1	0	1	0	0	0	312.525	203.97	13.184	94.117	117.533361
C144	38955.39	4/13/2017 14:30	13.19	0.45	0.46	0	0	0	0	0	0	1	0	1	0	0	0	311.546	266.17	9.951	146.355	81.98682553
C145	42179.56	4/13/2017 15:27	6.28	0.43	1	0	1.36	1.36	3.09	0.01	0.01	1	0	1	0	0.41	0	664.37	2544.34	227.774	16.578	149.0851065
C146	1678.2	4/13/2017 12:24	3.3	0.01	0.14	0	0	0	0	0	0	1	0	1	0	0.96	0	303.17	1856.22	45.633	0.904	99.4832732
C147	1991.68	4/13/2017 12:34	5.74	0.05	0.31	0	0	0	0	0	0	1	0	1	0	0.87	0	129.877	2058.64	57.444	0.967	106.0549089
C148	1207.06	4/13/2017 12:01	10.76	0.8	0.47	0	0	0	0	0	0	1	0	0.98	0.02	0	0	47.695	166.62	14.97	7.244	40.58006467

Conduits SWMM 50-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C148_1	57340.45	4/13/2017 15:31	8.97	0.86	0.98	0	0	0	0	0	0	1	0	1	0	0	0	537.855	6258.68	379.747	9.162	241.1631649
C148_2	57338.74	4/13/2017 15:32	8.28	0.8	0.92	0	0	0	0	0	0	1	0	1	0	0.11	0	693.053	6267.81	379.747	9.148	105.0540261
C149	157.67	4/13/2017 12:01	2.69	0	0.1	0	0	0	0	0	0	1	0	1	0	0.98	0	53.3	24.71	0.809	6.381	202.6466293
C14MAS	45.5	4/13/2017 11:55	14.9	0.7	0.64	0	0.01	0.17	0.01	0.01	0.01	1	0	0.01	0.99	0.02	0	0	6.1	1.352	7.459	46.95632222
C15	7416.1	4/13/2017 13:42	8.85	0.35	0.84	0	0.01	0.01	1.5	0.01	0.01	1	0	1	0	0.85	0	195.85	633.8	25.017	11.701	129.1669829
C150	56852.59	4/13/2017 15:29	7.24	0.21	0.79	0	0	0	0	0	0	1	0	1	0	0.28	0	945.17	4077.31	317.986	13.944	120.3931187
C151	2231.28	4/13/2017 12:51	1.21	0	0.74	0	0.01	0.01	3.14	0.01	0.01	1	0	1	0	0.72	0	1058.459	2170.36	61.761	1.028	146.3999689
C153	56863.22	4/13/2017 15:28	15.44	0.45	0.61	0	0	0	0	0	0	1	0	0.89	0.11	0	0	478.444	4058.5	317.96	14.011	244.4079239
C155	125.97	4/13/2017 12:00	4.38	0	0.14	0	0	0	0	0	0	1	0	1	0	0.09	0	38.693	19.06	0.809	6.609	67.39341929
C156	57.09	4/13/2017 12:00	10.27	0	0.04	0	0	0	0	0	0	1	0	0	1	0.15	0	24.047	8.29	0.146	6.887	113.0468177
C156_1	195.77	4/13/2017 12:04	20.86	0.1	0.16	0	0	0	0	0	0	1	0	0	1	0.05	0	0	40.12	1.4	4.88	19.2735308
C156_10	188.07	4/13/2017 12:08	2.56	0	0.01	0	0	0	0	0	0	1	0	0.99	0.01	0.49	0	201.469	40.12	1.4	4.688	196.7355759
C156_2	1494.05	4/13/2017 12:09	1.66	0	0.07	0	0	0	0	0	0	1	0	1	0	0	0	493.498	301.92	22.833	4.948	199.5665799
C156_3	1241.4	4/13/2017 12:01	7.91	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	226.009	173.2	15.616	7.167	142.8049504
C156_4	430.41	4/13/2017 12:01	19.23	0.14	0.38	0	0	0	0	0	0	1	0	0.71	0.29	1	0	0	191.79	17.143	2.244	78.65830788
C156_5	1564.37	4/13/2017 12:05	2.37	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	405.064	284.56	22.341	5.498	95.73781531
C156_6	196.05	4/13/2017 12:13	3.09	0	0.01	0	0	0	0	0	0	1	0	0.95	0.05	0.95	0	201.469	48.41	1.547	4.05	191.9187699
C156_7	32.78	4/13/2017 12:01	0.49	0	0.01	0	0	0	0	0	0	1	0	1	0	1	0	201.469	5.75	0.315	5.701	458.6829265
C156_9	1325.67	4/13/2017 12:02	4.63	0	0.04	0	0	0	0	0	0	1	0	0.47	0.53	0.99	0	281.146	191.79	17.143	6.912	207.0880666
C157	38956.74	4/13/2017 14:30	11.34	0.35	0.43	0	0	0	0	0	0	1	0	1	0	0	0	353.65	263.32	9.948	147.944	117.4982434
C158	41.29	4/13/2017 12:24	8.12	0.03	0.24	0	0	0	0	0	0	1	0.89	0	0	0	0	18.193	25.68	0.026	1.608	27.37804003
C158_1	133.88	4/13/2017 12:00	0.25	0	0.13	0	0	0	0	0	0	1	0	1	0	0.5	0	401.934	15.04	1.925	8.902	203.1621974
C158_2	74.77	4/13/2017 11:56	2.08	0.05	0.28	0	0	0	0	0	0	1	0	1	0	0	0	74.143	8.41	0.726	8.891	139.1339495
C158_3	86.95	4/13/2017 12:13	1.49	0	0.04	0	0	0	0	0	0	1	0	1	0	0	0	91.287	38.73	4.016	2.245	99.20225412
C158_4	164.39	4/13/2017 12:00	2.13	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	256.246	57.55	4.171	2.856	294.6163113
C158_5	106.64	4/13/2017 11:59	0.86	0.02	0.6	0	0.01	0.01	16.66	0.01	0.01	1	0	1	0	1	0	104.34	12.62	1.214	8.45	214.4748863
C159	35723.42	4/13/2017 13:46	9.9	0.59	1	0	3.16	4.28	3.16	13.78	3.16	1	0	1	0	0	0	0	4013.66	315.389	8.9	18.11999307
C16	7421.13	4/13/2017 13:40	6.58	1.25	1	0	1.4	1.4	1.41	1.39	1.38	1	0	1	0	0.31	0	376.45	628.7	25.017	11.804	91.31941558
C160	19200.4	4/13/2017 15:52	11.62	0.95	0.57	0	0	0	0	0	0	1	0	1	0	0	0	288.812	199.02	12.688	96.475	185.5539813
C161	70.4	4/13/2017 12:00	1.75	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	70.029	10.78	0.809	6.531	72.05695163
C162	5	4/13/2017 12:00	2.69	0.12	0.33	0	0	0	0	0	0	1	0	1	0	0.91	0	0	256.244	4.15	0.02	15.99459118
C162_1	746.72	4/13/2017 12:10	3.48	0	0.19	0	0	0	0	0	0	1	0	1	0	0.37	0	377.235	261.26	24.142	2.858	117.727412
C162_2	716.97	4/13/2017 12:14	1.04	0	0.36	0	0	0	0	0	0	1	0	1	0	0.48	0	465.245	264.93	24.362	2.706	74.01415268
C163	945.76	4/13/2017 12:00	5.23	0.05	0.25	0	0	0	0	0	0	1	0	0.99	0.01	0.91	0	212.355	256.244	4.15	3.691	19.29774653
C164	653	4/13/2017 12:10	4.41	0	0.11	0	0	0	0	0	0	1	0	1	0	0.78	0	516.45	221.24	22.866	2.952	58.61258172
C165	650.07	4/13/2017 12:06	3.38	0	0.28	0	0	0	0	0	0	1	0	0.99	0.01	1	0	203.768	247.57	9.943	2.626	118.8251099
C166	110.88	4/13/2017 11:57	0.08	0	0.51	0	0	0	0	0	0	2.34	0	1	0	0.81	0	462.529	12.26	1.413	9.044	4.084565723
C167	189.12	4/13/2017 12:05	3.08	0.03	0.3	0	0	0	0	0	0	1	0	1	0	1	0	102.763	32.1	1.839	5.892	18.611893
C168	103.98	4/13/2017 11:58	3.49	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	63.501	12.26	1.413	8.481	71.5852313
C169	33.15	4/13/2017 12:01	0.83	0	0.42	0	0	0	0	0	0	1	0	1	0	0.54	0	240.012	4.88	0.835	6.793	113.8881642
C171	19202.33	4/13/2017 15:51	6.77	0.66	0.96	0	0	0	0	0	0	1	0	1	0	0.31	0	441.887	90.61	1.033	211.923	92.81366617
C172	2869.63	4/13/2017 12:03	7.29	0.01	0.22	0	0	0	0	0	0	1	0	0.16	0.84	0.14	0	159.959	528.49	60.574	5.43	183.8750663
C173	225.2	4/13/2017 12:11	1.61	1.05	1	0	10.93	10.93	12.13	0.18	0.18	1	0	1	0	0.5	0	198.75	174.65	6.391	1.289	231.0692479
C175	995.48	4/13/2017 12:00	13.98	0.14	0.7	0	0	0	0	0	0	1	0.95	0	0.03	0.02	0	168.717	166.62	14.97	5.975	19.74204992
C178	625.71	4/13/2017 12:06	7.44	0	0.11	0	0	0	0	0	0	1	0	0	1	0.2	0	81.006	241.71	9.782	2.589	59.68547841
C179_2	39.34	4/13/2017 12:00	1.74	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	54.144	5.75	0.476	6.842	101.5518102
C18	7451.81	4/13/2017 13:35	6.54	0.11	0.56	0	0	0	0	0	0	1	0	1	0	0.77	0	314.503	618.01	24.663	12.058	52.79595011
C181	47.15	4/13/2017 12:12	8.97	0.36	0.4	0	0	0	0	0	0	1	0	0	1	0	0	0	11.6	1.712	4.065	21.63096744
C182	2815.12	4/13/2017 12:03	6.17	0.03	0.22	0	0	0	0	0	0	1	0	1	0	0.95	0	151.646	516.37	59.748	5.452	66.66765802
C187	813.54	4/13/2017 13:07	4.82	0.01	0.18	0	0	0	0	0	0	1	0	1	0	0	0	105.848	1355.07	28.491	0.6	85.14514533
C188	72.21	4/13/2017 12:07	9.26	0.56	0.54	0	0.01	0.01	0.01	0.32	0.01	1	0	0.45	0.55	0.64	0	0	17.87	2.405	4.041	18.7454763
C19	7457.24	4/13/2017 13:34	6.68	0.29	0.62	0	0	0	0	0	0	1	0	1	0	0	0	288.825	606.91	24.663	12.287	157.2802177
C190	111.81	4/13/2017 12:03	11.51	0.84	0.72	0	0.01	0.97	0.01	1.11	0.01	1	0	0	1	0	0	0	50.9	4.137	2.197	9.212501095
C191	533.9	4/13/2017 12:05	1.59	0.02	0.5	0	0	0	0	0	0	1	0	1	0	0.86	0	555.942	166.63	6.317	3.204	116.798726
C192	17744.87	4/13/2017 15:48	8.57	0.9	1	0	2.44	2.44	3.72	0.01	0.01	1	0	1	0	0.64	0	636.2	83.18	0.991	213.331	167.1352811
C193	1956.78	4/13/2017 12:03	6.28	0.05	0.19	0	0	0	0	0	0	1	0	1	0	0	0	195.777	402.44	50.036	4.862	109.8856289
C194	445.19	4/13/2017 12:11	3.02	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	255.275	160.74	13.189	2.77	207.61383
C195	72.2	4/13/2017 12:08	1.47	0.01	0.37	0	0	0	0	0	0	1	0	0.46	0.54	0.25	0	158.03	17.87	2.405	4.04	35.73286516
C195_1MAS	563.39	4/13/2017 12:05	6.53	0.2	0.5	0	0	0	0	0	0	1	0	1	0	1	0	57.491	210.93	7.99	2.671	78.32767236
C195_2MAS	625.85	4/13/2017 12:05	7.71	0.04	0.26	0	0	0	0	0	0	1	0	0.88	0.12	0	0	71.382	241.71	9.782	2.589	47.9469063
C196	519.43	4/13/2017 12:04	5.25	0.04	0.25	0	0	0	0	0	0	1	0	0.98	0.02	0	0	249.352	163.2	6.011	3.183	33.24311361
C198	423.41	4/13/2017 12:03	2.71	0.06	0.35	0	0	0	0	0	0	1	0	1	0	0.41	0	250.072	142.79	5.198	2.965	16.1155425
C2	2074.61	4/13/2017 12:39	6.89	0.03	0.79	0	0	0	0	0	0	1	0	1	0	0.8	0	738.673	2161.03	61.437	0.96	76.22893788
C20	7459.28	4/13/2017 13:33	8.04	1.17	0.68	0	0.01	0.01	0.01	1.12	0.01	1	0	1	0	0	0	260.535	597.72	24.663	12.48	85.4615271
C201	115.01	4/13/2017 12:00	5.83	0.09	0.4	0	0	0	0	0	0	1	0	0.98	0.02	1	0	0	120.91	18.56	0.951	19.2383905
C202	17760.99	4/13/2017 15:44	8.6	0.35	0.84	0	0	0	0	0	0	1	0	1	0	0.11	0	331.408	83.18	0.991	213.525	63.49094038
C203_1	406.11	4/13/2017 12:05	7.93	0.02	0.24	0	0	0	0	0	0	1	0	0.94	0.06	0.2	0	51.014	182.96	13.215	2.22	140.3676175
C203_2	444.12	4/13/2017 12:05	1.93	0.01	0.72	0	0.01	0.01	6.18	0.01	0.01	1	0	1	0	0.8	0	174.279	193.25	13.502	2.298	105.886735
C205	22.97	4/13/2017 12:05	9.53	1.1	0.72	0	0.01	5.29	0.01	0.26	0.01	1	0	0	1	0	0	0	32.1	1.839	0.716	14.49410229
C206_2	564.42	4/13/2017 12:04	3.61	0.35	0.62	0	0	0	0	0	0	1	0	1	0	0	0	140.89	210.93	7.99	2.676	58.54147829

Conduits SWMM 50-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C208	621.63	4/13/2017 12:01	12.98	1.14	0.76	0	0.01	1.21	0.01	1.77	0.01	1	0	0	1	0	0	0	273.04	25.157	2.277	20.07880393
C209	78.72	4/13/2017 12:10	9.59	0.52	0.57	0	0.01	0.01	0.01	0.25	0.01	1	0	0.02	0.98	0.45	0	0	20.48	2.44	3.844	16.48412585
C21	88.34	4/13/2017 11:59	0.15	0	0.25	0	0	0	0	0	0	1	0	1	0	0	0	733.232	55.76	3.131	1.584	87.07768366
C211	823.15	4/13/2017 12:57	2.85	0.01	0.2	0	0	0	0	0	0	1	0	1	0	1	0	454.253	1338.37	27.806	0.615	201.7060425
C212	364.42	4/13/2017 12:03	1.16	0	0.07	0	0	0	0	0	0	1	0	1	0	0.98	0	441.822	171.23	11.847	2.128	79.13146019
C213	436.19	4/13/2017 12:10	5.21	0.02	0.23	0	0	0	0	0	0	1	0	1	0	0.56	0	48.778	152.87	11.746	2.853	208.2309484
C214	1134.18	4/13/2017 12:00	7.09	0.01	0.17	0	0	0	0	0	0	1	0	0.06	0.94	0.05	0	146.15	264.48	23.894	4.288	77.338821
C218	821.64	4/13/2017 12:55	2.67	0.04	0.29	0	0	0	0	0	0	1	0	1	0	1	0	393.47	1333.52	27.051	0.616	55.12502273
C219	185.53	4/13/2017 11:56	2.28	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	116.387	23.46	2.514	7.908	101.7718422
C22	7459.32	4/13/2017 13:31	6.02	0.01	0.26	0	0	0	0	0	0	1	0	1	0	1	0	304.385	561.59	23.502	13.283	115.4256638
C220	356.57	4/13/2017 12:00	2.42	0.02	0.21	0	0	0	0	0	0	1	0	1	0	1	0	218.511	128.98	5.198	2.765	207.8111619
C221	18.67	4/13/2017 11:48	3.07	1.6	1	0	12.14	12.2	12.14	0.3	0.04	1	0	0.64	0	0	0	0	63.59	3.676	0.294	98.35635769
C223	379.57	4/13/2017 12:16	1.9	0.02	0.33	0	0	0	0	0	0	1	0	1	0	0.97	0	143.876	111.87	12.188	3.393	50.45438237
C229	460.28	4/13/2017 12:03	2.11	0	0.26	0	0	0	0	0	0	1	0	1	0	1	0	311.124	140.69	9.875	3.272	113.1197877
C23	169.48	4/13/2017 11:55	1.92	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	82.301	19.6	1.215	8.647	78.07983211
C23_1MAS	11.43	4/13/2017 13:16	3.81	1.53	1	0	2.67	3.27	2.7	2.62	2.29	1	0	1	0	0	0	0	17.81	0.868	0.642	10.23587045
C23_2MAS	18.4	4/13/2017 12:03	6.13	2.46	1	0	0.95	3.4	0.95	3.44	0.95	1	0	1	0	0	0	0	21.93	1.36	0.839	10.13493466
C23_3MAS	22.68	4/13/2017 12:00	0.6	0.02	0.7	0	0	0	0	0	0	1	0	1	0	0.71	0	103.831	21.93	1.36	1.034	27.19136395
C23_5MAS	27.57	4/13/2017 12:00	0.93	0.04	0.41	0	0	0	0	0	0	1	0	1	0	0.57	0	46.986	23.2	1.538	1.188	50.06486565
C230	11.62	4/13/2017 12:04	8.86	0.86	0.7	0	0.01	3.71	0.01	0.01	0.01	1	0	0	1	0	0	0	11.35	0.809	1.024	7.298047699
C232	52.77	4/13/2017 12:01	11.21	0.68	0.64	0	0	0	0	0	0	1	0	0	1	0	0	0	57.85	5.703	0.912	28.81347006
C233	29.7	4/13/2017 11:55	15.97	1.15	0.66	0	0.01	0.64	0.01	0.65	0.01	1	0	0.01	0.99	0.01	0	0	17.88	0.594	1.661	20.84027212
C234	386.5	4/13/2017 12:13	5.6	0.01	0.15	0	0	0	0	0	0	1	0	0.87	0.13	0.02	0	128.746	105.77	10.988	3.654	76.0908282
C237	356.72	4/13/2017 12:00	8.8	0.57	0.97	0	0.01	1.12	0.01	0.01	0.01	1	0	1	0	0.71	0	0	248.91	22.713	1.433	9.626075074
C238	202.54	4/13/2017 12:15	0.83	0.01	0.32	0	0	0	0	0	0	1	0	1	0	1	0	162.08	49.09	2.452	4.126	137.618451
C23MAS	0.5	4/13/2017 0:00	0.53	0	0.09	0	0	0	0	0	0	1	0	0.2	0	0.18	0	66.395	12.31	0.763	0.041	159.8937052
C24	42162.25	4/13/2017 15:25	9.14	0.34	0.75	0	0	0	0	0	0	1	0	1	0	0	0	429.677	2501.97	223.678	16.852	106.7140865
C240	9.26	4/13/2017 12:07	7.56	1.2	0.65	0	0.01	5.62	0.01	0.34	0.01	1	0	0.05	0.95	0	0	0	11.35	0.809	0.816	10.10465639
C241_1	19332.84	4/13/2017 15:40	8.58	0.05	0.45	0	0	0	0	0	0	1	0	1	0	0.75	0	546.774	0	0	0	208.2939813
C241_2	19262.94	4/13/2017 15:41	7.1	0.07	0.51	0	0	0	0	0	0	1	0	1	0	0.24	0	721.618	20.28	0.046	949.849	126.5232456
C244	386.6	4/13/2017 12:12	13.84	0.48	0.69	0	0.01	0.18	0.01	0.45	0.01	1	0	0	1	0	0	0	105.77	10.988	3.655	11.0917158
C245	84.18	4/13/2017 12:47	5.88	0.31	0.54	0	0.01	8.83	0.01	0.01	0.01	1	0	1	0	0	0	0	123.84	10.356	0.68	24.35286264
C245_1	434.63	4/13/2017 12:00	4.66	0.03	0.2	0	0	0	0	0	0	1	0	0.99	0.01	0	0	228.132	133.47	8.332	3.256	94.98348046
C245_2	418.85	4/13/2017 12:03	12.29	0.24	0.57	0	0	0	0	0	0	1	0	0.39	0.61	0.86	0	0	133.47	8.332	3.138	22.94661244
C246	65.5	4/13/2017 12:04	1.05	0	0.3	0	0	0	0	0	0	1	0	1	0	1	0	107.642	11.35	0.809	5.771	32.33020711
C249	835.81	4/13/2017 12:01	2.24	0.01	0.3	0	0	0	0	0	0	1	0	1	0	1	0	209.003	129.4	24.88	6.459	86.10242703
C252	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	17.65	2.83	0	27.92995307
C253	614.52	4/13/2017 12:47	1.59	0.02	0.36	0	0	0	0	0	0	1	0	1	0	0.73	0	536.069	1127.09	19.704	0.545	213.6673351
C254	472.78	4/13/2017 12:07	3.92	0.01	0.38	0	0	0	0	0	0	1	0	1	0	1	0	72.902	100.75	10.433	4.693	41.60787876
C256	465.16	4/13/2017 12:07	1.24	0	0.05	0	0	0	0	0	0	1	0	1	0	0	0	225.753	97.81	9.889	4.756	42.07480026
C259	394.35	4/13/2017 12:00	4.73	0.01	0.2	0	0	0	0	0	0	1	0	1	0	1	0	75.3	123.33	7.042	3.198	95.92554674
C26	7454.8	4/13/2017 13:30	8.74	0.01	0.19	0	0	0	0	0	0	1	0	1	0	0.14	0	183.399	537.16	23.499	13.878	275.1005474
C261	284.44	4/13/2017 11:57	11.71	0	0.04	0	0	0	0	0	0	1.65	0.95	0	0	0	0	68.783	59.69	5.597	4.765	19.1615387
C264	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	3.51	1	0	0	0	0	0	28.26	1.431	0	20.84770418
C266	809.84	4/13/2017 12:01	6.83	0.01	0.11	0	0	0	0	0	0	1	0	0.98	0.02	0.97	0	96.523	125.32	24.382	6.462	112.3286282
C267	876.96	4/13/2017 12:11	4.24	0.03	0.32	0	0	0	0	0	0	1	0	1	0	0.09	0	167.457	219.11	18.599	4.002	64.83544087
C27	7447.75	4/13/2017 13:29	6.5	0.34	0.61	0	0	0	0	0	0	1	0	1	0	0.29	0	190.49	508.79	21.167	14.638	61.07384787
C271	1470.32	4/13/2017 15:47	1.68	0.02	0.75	0	0.01	0.01	2.65	0.01	0.01	1	0	1	0	0.8	0	167.432	51.82	0.59	28.374	61.8527975
C272_1MAS	92.21	4/13/2017 12:11	0.49	0.01	0.59	0	0	0	0	0	0	1	0	1	0	0.55	0	273.208	41.53	2.987	2.22	86.06152527
C273	158.05	4/13/2017 12:05	2.71	0	0.03	0	0	0	0	0	0	1	0	0	0	0	0	160.063	132.63	8.743	1.192	390.3035927
C274	307.92	4/13/2017 12:01	6.79	0	0.14	0	0	0	0	0	0	1	0	0.88	0.12	1	0	54.555	109.68	5.121	2.807	57.96586681
C275	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	10.33	1.147	0	57.62233217
C276	66.81	4/13/2017 12:03	1.18	0.01	0.46	0	0	0	0	0	0	1	0	1	0	1	0	85.963	11.35	0.809	5.886	51.00076902
C277	158.81	4/13/2017 11:56	5.06	0	0.07	0	0	0	0	0	0	1	0	0	1	0.01	0	64.319	17.86	1.982	8.892	21.09852803
C278	158.76	4/13/2017 11:56	3.28	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	56.302	17.86	1.982	8.889	25.98207
C279	614.07	4/13/2017 12:42	1.68	0.06	0.24	0	0	0	0	0	0	1	0	1	0	0	0	376.424	1121.15	19.701	0.548	143.899356
C28	45302.16	4/13/2017 15:21	8.9	0.16	0.58	0	0	0	0	0	0	1	0	1	0	0.04	0	748.886	2385.35	211.463	18.992	183.3371347
C281_1	223.63	4/13/2017 12:28	0.27	0.01	0.38	0	0	0	0	0	0	1	0	1	0	0	0	544.856	77.13	4.449	2.899	36.7695558
C281_2	149.66	4/13/2017 12:30	9.32	1.12	0.73	0	0.01	0.01	2.25	2.51	0.01	1	0	0.94	0.06	0	0	0	77.13	4.449	1.94	23.90724869
C2812MAS_1	194.97	4/13/2017 12:01	3.87	0.02	0.18	0	0	0	0	0	0	1	0	1	0	0.98	0	78.979	47.46	3.25	4.108	134.5943364
C2812MAS_2	221.8	4/13/2017 12:02	2.05	0.02	0.28	0	0	0	0	0	0	1	0	1	0	1	0	144.855	53.37	3.657	4.156	229.9736641
C284	10.76	4/13/2017 12:03	8.09	2.02	0.7	0	0.01	4.94	0.01	3.83	0.01	1	0	0.04	0.96	0	0	0	11.35	0.809	0.948	8.675592876
C285	846.65	4/13/2017 12:09	4.24	0	0.08	0	0	0	0	0	0	1	0	1	0	0.89	0	149.174	204.41	17.113	4.142	83.73717941
C287	459.44	4/13/2017 12:02	1.84	0.03	0.98	0	0.01	0.01	5.95	0.01	0.01	1	0	1	0	0.55	0	214.663	147.44	11.763	3.116	100.1721832
C288	470.03	4/13/2017 12:05	3.64	0.01	0.13	0	0	0	0	0	0	1	0	1	0	1	0	110.462	92.88	9.508	5.061	161.3255713
C29	45303.73	4/13/2017 15:18	10.59	0.49	0.51	0	0	0	0	0	0	1	0	1	0	0	0	540.198	2232.33	191.465	20.294	240.5997201
C292	76.81	4/13/2017 13:24	0.25	0	0.12	0	0	0	0	0	0	1	0	1	0	0	0	318.438	88.12	5.594	0.872	96.83938055
C294	245.04	4/13/2017 12:15	0.62	0	0.36	0	0	0	0	0	0	1	0	1	0	0.75	0	501.689	77.13	4.449	3.177	32.864037
C295	1468.31	4/13/2017 15:51	5.18	1.4	1	0	1.02	1.02	3.04	1.56	0.01	1	0	1	0	0.04	0	256	51.21	0.59	28.672	97.26419007
C298	302.88	4/13/2017 12:17	2.09	0.07	0.24	0	0	0	0	0	0	1	0	1	0	0	0	253.308	109.77	3.918	2.759	62.03586216

Conduits SWMM 50-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C3	65.75	4/13/2017 12:00	0.5	0.01	0.51	0	0	0	0	0	0	1	0	1	0	1	0	166.255	10.23	0.704	6.427	69.71947872
C302	451.59	4/13/2017 12:05	13.66	0.01	0.14	0	0	0	0	0	0	1	0	0	1	0	0	37.802	87.56	9.323	5.157	28.59325397
C303	679.16	4/13/2017 12:00	3.62	0	0.11	0	0	0	0	0	0	1	0	0.49	0.51	0.31	0	196.56	108.66	20.725	6.25	140.764432
C304	76.22	4/13/2017 11:59	0.26	0.02	0.92	0	0.01	0.01	1.8	0.01	0.01	1	0	1	0	0.77	0	507.204	11.35	0.809	6.715	33.66062832
C307	55.89	4/13/2017 11:46	9.14	1.78	1	0	0.59	0.74	0.62	0.24	0.48	1	0	0.91	0.09	0	0	0	12.26	1.413	4.559	12.0125052
C308	828.07	4/13/2017 12:08	4.65	0	0.07	0	0	0	0	0	0	1	0	0.72	0.28	0.49	0	137.895	195.8	16.616	4.229	66.79097402
C309	147.44	4/13/2017 12:01	0.33	0	0.28	0	0	0	0	0	0	1	0	1	0	0.53	0	612.32	71.37	5.124	2.066	54.17473271
C31	7079.76	4/13/2017 13:31	6.9	0.2	0.48	0	0	0	0	0	0	1	0	1	0	0.87	0	221.886	42.5	1.316	166.583	97.72591715
C313	177.76	4/13/2017 12:03	2.48	0.12	0.82	0	0.01	0.01	3.11	0.01	0.01	1	0	1	0	0.88	0	258.985	46.86	0.59	3.793	53.61233737
C314	421.99	4/13/2017 12:05	7.96	0.01	0.21	0	0	0	0	0	0	1	0	0.99	0.01	0.95	0	34.328	79.83	8.432	5.286	55.53291743
C316	118.82	4/13/2017 12:00	2.73	0	0.09	0	0	0	0	0	0	1	0	1	0	0.98	0	117.78	120.28	7.093	0.988	163.1361297
C318	51.76	4/13/2017 11:58	11.48	0.51	0.61	0	0.01	0.68	0.01	0.01	0.01	1	0	0	1	0	0	0	12.26	1.413	4.222	12.41600482
C319	478.14	4/13/2017 12:00	0.36	0	0.42	0	0	0	0	0	0	1	0	1	0	0.34	0	348.505	89.65	5.747	5.333	53.73439616
C32	7079.83	4/13/2017 13:31	5.46	0.57	0.69	0	0	0	0	0	0	1	0	1	0	0	0	239.791	42.5	1.316	166.584	54.65166332
C322	2988.54	4/13/2017 15:02	1.32	0.04	0.64	0	0.01	0.01	2.51	0.01	0.01	1	0	1	0	1	0	524.139	693.14	41.121	4.312	733.8630283
C324	156.8	4/13/2017 14:28	0.52	0.01	0.45	0	0	0	0	0	0	1	0	1	0	0.86	0	402.553	40.02	1.275	3.918	137.4989318
C327	330.77	4/13/2017 12:05	10.52	1.18	0.7	0	0.01	0.82	0.01	1.51	0.01	1	0	0	1	0	0	0	86.23	7.185	3.836	22.21675142
C327_1	651.43	4/13/2017 12:00	1.46	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	156.607	104.93	20.288	6.208	83.29180752
C327_2	335.03	4/13/2017 12:00	12.54	0.82	0.67	0	0.01	0.8	0.01	1	0.01	1	0	0	1	0	0	0	104.93	20.288	3.193	18.13840738
C33	153.47	4/13/2017 12:05	12.25	0.9	0.89	0	0.01	1.27	0.01	1.54	0.01	1	0	0	1	0	0	0	79.83	8.432	1.922	19.43311302
C331	193.47	4/13/2017 12:03	1.28	0.03	0.21	0	0	0	0	0	0	1	0	1	0	0.92	0	196.547	44.15	0.59	4.382	74.79558667
C332	62.56	4/13/2017 12:01	1.16	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	160.585	112.07	6.922	0.558	68.82554415
C333	58.16	4/13/2017 12:07	3.83	0.01	0.11	0	0	0	0	0	0	1	0	1	0	1	0	59.589	11.35	0.809	5.124	65.70413028
C336MAS_1	86.63	4/13/2017 12:11	1.06	0.02	0.22	0	0	0	0	0	0	1	0	1	0	0.69	0	190.544	31.78	2.037	2.726	32.38993658
C336MAS_2	87.29	4/13/2017 12:16	0.85	0.02	0.34	0	0	0	0	0	0	1	0	1	0	0.26	0	308.697	33.39	2.295	2.614	196.1192634
C337	159.69	4/13/2017 12:12	0.34	0	0.54	0	0.01	0.01	0.97	0.01	0.01	1	0	1	0	0.94	0	775.56	64.28	3.59	2.484	130.8081344
C338	929.54	4/13/2017 12:01	4.49	0.01	0.16	0	0	0	0	0	0	1	0	1	0	0.96	0	147.225	109.92	9.675	8.457	111.5252425
C34	50617.67	4/13/2017 15:18	7.7	0.11	0.44	0	0	0	0	0	0	1	0	1	0	0	0	901.494	2181.01	185.82	23.208	281.4581849
C344	38.28	4/13/2017 12:22	9.21	0.52	0.57	0	0.01	2.23	0.01	0.01	0.01	1	0	0	1	0	0	0	25.46	3.457	1.504	23.12878875
C345	174.79	4/13/2017 12:47	0.49	0	0.2	0	0	0	0	0	0	1	0	1	0	1	0	271.287	123.84	10.356	1.411	210.9034659
C347	613.5	4/13/2017 12:00	13.09	0	0.06	0	0	0	0	0	0	1	0	0	1	0	0	47.815	100.39	19.68	6.111	65.7715178
C349	160.61	4/13/2017 12:10	3.09	0	0.12	0	0	0	0	0	0	1	0	1	0	0.99	0	116.593	62	3.587	2.59	32.01063858
C355	107.4	4/13/2017 12:10	9.59	0.47	0.45	0	0.01	0.01	0.01	0.98	0.01	1	0	0	1	0	0	0	30.38	2.581	3.535	25.99345033
C355_1	249.65	4/13/2017 12:11	1.34	0.02	0.48	0	0	0	0	0	0	1	0	1	0	1	0	128.991	57.98	2.554	4.306	91.338431
C355_3	128.63	4/13/2017 12:11	10.85	0.74	0.8	0	0.01	1.26	0.01	1.14	0.01	1	0	0.2	0.8	0	0.99	0	63.54	3.179	2.024	18.89011392
C355_4	294.77	4/13/2017 12:13	4.67	0.01	0.35	0	0	0	0	0	0	1	0	0.97	0.03	0.21	0	119.55	77.13	4.449	3.822	79.39256961
C358	55.81	4/13/2017 12:08	1.01	0.01	0.27	0	0	0	0	0	0	1	0	1	0	1	0	107.365	11.35	0.809	4.917	40.61900585
C359_2MAS	84.01	4/13/2017 12:11	2.63	0.02	0.19	0	0	0	0	0	0	1	0	1	0	0.04	0	141.772	30.31	1.951	2.772	47.4433487
C360	561.32	4/13/2017 12:00	8.82	0	0.1	0	0	0	0	0	0	1	0	0	1	0.43	0	51.818	94.13	18.052	5.963	35.98759358
C362	135.38	4/13/2017 12:23	0.41	0.01	0.63	0	0	0	0	0	0	1	0	1	0	0.5	0	786.857	23.96	0.004	5.65	46.82697041
C364	147.68	4/13/2017 12:03	3.21	0	0.06	0	0	0	0	0	0	1	0	0.49	0.51	0.48	0	346.517	68.95	5.012	2.142	159.4394495
C365	268.52	4/13/2017 12:06	11.79	0.42	0.59	0	0.01	0.42	0.01	0.57	0.01	1	0	0	1	0.54	0	0	61.04	5.874	4.399	20.10300074
C367	535.69	4/13/2017 12:00	15.5	0.42	0.54	0	0.01	0.01	0.01	0.65	0.01	1	0	0	1	0.9	0	0	90.95	17.282	5.89	26.24862426
C368	412.31	4/13/2017 12:00	2.67	0.01	0.4	0	0	0	0	0	0	1	0	1	0	0.13	0	245.537	62.03	6.97	6.647	108.8747442
C369	168.41	4/13/2017 12:05	1.82	0.01	0.11	0	0	0	0	0	0	1	0	1	0	0.98	0	298.245	29.96	2.065	5.621	280.1564956
C37	388.85	4/13/2017 12:04	0.92	0	0.22	0	0	0	0	0	0	1	0	1	0	0.9	0	340.019	72.19	7.265	5.386	41.92077788
C370	113.41	4/13/2017 12:06	1.43	0	0.14	0	0	0	0	0	0	1	0	1	0	0.35	0	246.357	36.79	1.257	3.083	163.7103961
C371	48.27	4/13/2017 12:01	0.29	0.01	0.38	0	0	0	0	0	0	1	0	1	0	1	0	359.503	7.36	0.133	6.558	157.7574982
C372	3188.15	4/13/2017 15:57	5.28	0.15	0.75	0	0.01	0.01	7.33	0.01	0.01	1	0	1	0	0.98	0	167.734	97.32	10.094	32.759	220.0562244
C375	98.16	4/13/2017 12:08	0.22	0	0.39	0	0	0	0	0	0	1	0	1	0	1	0	395.643	21.1	0.504	4.652	70.96284456
C376	34.92	4/13/2017 12:00	1.27	0	0.08	0	0	0	0	0	0	1	0	0.47	0.53	0	0	112.78	108.49	6.603	0.322	75.62876117
C379	279.37	4/13/2017 14:06	0.09	0	0.7	0	0.01	0.01	4.97	0.01	0.01	1	0	1	0	0.8	0	595.174	70.19	4.182	3.98	180.7254973
C38	49675.52	4/13/2017 15:15	9.08	0.9	0.84	0	0	0	0	0	0	1	0	1	0	0	0	465.544	1458.2	102.249	34.066	159.909851
C380	807.4	4/13/2017 12:00	3.51	0.01	0.24	0	0	0	0	0	0	1	0	1	0	1	0	152.77	104.32	17.075	7.74	200.8675595
C381	161.22	4/13/2017 12:09	1.42	0.03	0.19	0	0	0	0	0	0	1	0	1	0	1	0	238.211	55.65	3.587	2.897	92.24859241
C382	15.44	4/13/2017 12:00	1.06	0	0.03	0	0	0	0	0	0	1	0	0.12	0.88	0.03	0	115.002	2.24	0.032	6.893	34.67980907
C383	7.11	4/13/2017 13:53	8.8	1.3	1	0	3.02	24	3.02	11.02	1.43	1	0	0.13	0.87	0	0	0	61.67	3.56	0.115	7.735934405
C384_1	442.94	4/13/2017 12:00	2.28	0	0.36	0	0	0	0	0	0	1	0	1	0	0.95	0	97.831	75.2	4.602	5.89	93.36922559
C384_2	501.92	4/13/2017 12:00	1.27	0.1	0.68	0	0	0	0	0	0	1	0	1	0	0	0	195.805	86.64	5.604	5.793	115.4463832
C385	87.34	4/13/2017 12:02	1.55	0	0.2	0	0	0	0	0	0	1	0	1	0	0.67	0	408.26	16.68	0.004	5.236	67.17456695
C390_2	108.73	4/13/2017 12:21	0.32	0	0.39	0	0	0	0	0	0	1	0	1	0	1	0	200.508	42.37	4.096	2.566	156.1189413
C390_3	190.93	4/13/2017 12:04	2.32	0.01	0.34	0	0	0	0	0	0	1	0	1	0	1	0	86.175	42.37	4.096	4.506	231.9278726
C390_4	108.77	4/13/2017 12:19	13.09	0.44	0.63	0	0.01	0.44	0.01	0.01	0.01	1	0	0	1	0	0	0	42.37	4.096	2.567	12.77741866
C3932MAS	65.4	4/13/2017 12:11	1.39	0.03	0.25	0	0	0	0	0	0	1	0	0.17	0	0.16	0	180.583	25.95	1.79	2.52	127.726542
C394	45.39	4/13/2017 15:39	2.55	0	0.51	0	0	0	0	0	0	1	0	1	0	0.83	0	807.445	66.22	4.176	0.685	46.60398444
C395	484.81	4/13/2017 12:05	6.36	0.01	0.09	0	0	0	0	0	0	1	0	0.92	0.08	0.04	0	97.529	89.02	8.429	5.446	86.58401148
C399	653.27	4/13/2017 12:09	9.82	0.02	0.2	0	0	0	0	0	0	1	0	0.96	0.04	0.01	0	34.416	221.24	22.866	2.953	24.19472884
C3MAS	13.53	4/13/2017 12:34	4.31	0.98	1	0	10.24	10.24	12.59	0.01	0.01	1	0	1	0	0	0	0	41.53	2.987	0.326	20.08259341
C4	12200.85	4/13/2017 14:57	2.87	0.1	0.82	0	0	0	0	0	0	1	0	1	0	0.65	0	1006.635	3151.85	232.619	3.871	425.0601043
C40	491.52	4/13/2017 11:55	5.85	0.43	1	0	14.64	14.64	15.92	3.71	2.27	1	0	1	0	0	0	0	1458.2	102.249	0.337	22.11400826

Conduits SWMM 50-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C400	346.02	4/13/2017 12:00	5.37	0.01	0.11	0	0	0	0	0	0	1	0	0.98	0.02	1	0	86.404	52.61	5.548	6.577	87.02244877
C401	158.58	4/13/2017 12:00	2.18	0.01	0.32	0	0	0	0	0	0	1	0	1	0	1	0	144.653	21.19	2.268	7.484	133.9160644
C402_1	570.95	4/13/2017 12:00	6.62	0.02	0.21	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	68.768	68.68	9.227	8.313	175.4773683
C402_2	813.55	4/13/2017 12:01	4.92	0.03	0.31	0	0	0	0	0	0	1	0	1	0	1	0	94.479	102.56	13.732	7.932	67.11048694
C403	164.84	4/13/2017 12:03	3.85	0.06	0.61	0	0.01	0.01	5.34	0.01	0.01	1	0	0.98	0.02	0.47	0	56.646	58.73	6.107	2.807	334.1539086
C405	98.8	4/13/2017 12:06	9.38	0.77	0.72	0	0.01	0.12	0.01	0.49	0.01	1	0	0.5	0.5	0.88	0	0	21.19	2.268	4.663	21.79815318
C407	292.24	4/13/2017 12:02	0.94	0.01	0.3	0	0	0	0	0	0	1	0	1	0	1	0	380.438	44.22	0.646	6.609	175.8891168
C407_2	240.09	4/13/2017 12:11	7.47	0.01	0.21	0	0	0	0	0	0	1	0	0.96	0.04	0	0	23.744	54.79	2.29	4.382	74.25473559
C409	99.5	4/13/2017 12:05	1.81	0.01	0.1	0	0	0	0	0	0	1	0	0.43	0.57	0.08	0	148.469	21.1	0.504	4.716	79.98427081
C41	2064.44	4/13/2017 12:39	7.23	0.07	0.53	0	0	0	0	0	0	1	0	1	0	0	0	394.161	2151.6	61.133	0.959	81.05941309
C410MAS	60.94	4/13/2017 12:10	2.38	0.16	0.46	0	0	0	0	0	0	1	0	1	0	0	0	161.468	24.21	1.67	2.517	42.45597066
C415_1	173.04	4/13/2017 12:06	4.04	0.01	0.22	0	0	0	0	0	0	1	0	1	0	0.07	0	62.683	33.96	2.599	5.095	144.4289489
C415_2	3219.84	4/13/2017 15:56	3.35	0.04	0.66	0	0.01	0.01	4.3	0.01	0.01	1	0	1	0	0.85	0	253.261	36.46	2.87	88.312	103.5527424
C416	684.29	4/13/2017 11:58	3.61	0.02	0.37	0	0	0	0	0	0	1	0	1	0	1	0	145.595	77.66	6.559	8.811	161.160858
C42	49682.17	4/13/2017 15:14	12.13	0.7	0.76	0	0	0	0	0	0	1	0	1	0	0.01	0	395.81	1458.2	102.249	34.071	124.6727298
C420	98.66	4/13/2017 12:07	6.29	0.02	0.2	0	0	0	0	0	0	1	0	0.61	0.39	0	0	35.192	21.19	2.268	4.656	83.55844296
C422	352.02	4/13/2017 12:00	4.52	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	93.508	56.35	9.165	6.247	47.62008234
C425	92.47	4/13/2017 12:01	2.25	0.01	0.21	0	0	0	0	0	0	1	0	0.99	0.01	1	0	215.609	56.32	4.431	1.642	156.0531183
C429	449.1	4/13/2017 12:00	15.97	0.56	0.67	0	0.01	0.59	0.01	0.14	0.01	1	0	0	1	0	0	0	101.24	8.943	4.436	18.27215226
C43	49682.71	4/13/2017 15:14	11.32	0.22	0.32	0	0	0	0	0	0	1	0	1	0	0	0	378.196	1440.67	100.39	34.486	72.62491378
C430	348.06	4/13/2017 12:00	4.22	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	69.834	67.53	11.548	5.154	158.994985
C432	1193.99	4/13/2017 12:02	5.09	0.01	0.23	0	0	0	0	0	0	1	0	1	0	1	0	132.736	273.04	25.157	4.373	71.29426785
C434	59.76	4/13/2017 12:06	1.45	0	0.08	0	0	0	0	0	0	1	0	1	0	0	0	83.272	25.3	1.137	2.362	184.6886469
C435	353.62	4/13/2017 12:00	5.58	0	0.05	0	0	0	0	0	0	1	0	0	1	0.03	0	79.189	56.35	9.165	6.275	31.51830309
C436	72.65	4/13/2017 12:03	2.72	0.02	0.28	0	0	0	0	0	0	1	0	1	0	1	0	38.542	22.65	1.858	3.208	91.78040725
C438	342.32	4/13/2017 12:00	3.09	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	120.637	60.86	7.224	5.625	164.5280464
C439_2	56948.55	4/13/2017 15:20	7.97	0.5	0.6	0	0	0	0	0	0	1	0	1	0	0	0	789.018	3588.22	274.537	15.871	93.12037518
C439_3	56929.6	4/13/2017 15:21	8.7	0.53	0.57	0	0	0	0	0	0	1	0	1	0	0	0	747.185	3605.21	275.709	15.791	105.2336868
C439_4	56920.55	4/13/2017 15:22	9.95	0.29	0.54	0	0	0	0	0	0	1	0	1	0	0	0	701.788	3611.78	275.722	15.76	127.0072394
C439_5	56937.45	4/13/2017 15:21	8.27	0.48	0.59	0	0	0	0	0	0	1	0	1	0	0	0	774.546	3597.99	275.558	15.825	87.24249994
C44	2059.33	4/13/2017 12:38	4.1	0.7	0.82	0	0	0	0	0	0	1	0	1	0	0	0	408.17	2144.74	60.943	0.96	46.05864243
C440MAS	56902.26	4/13/2017 15:24	7.33	0.46	0.79	0	0	0	0	0	0	1	0	1	0	0.01	0	954.76	3874.93	293.395	14.685	160.1928221
C441	25.88	4/13/2017 12:00	10.24	1	0.75	0	0.01	1.48	0.01	0.02	0.01	1	0	0	1	0	0.9	0	15.54	1.258	1.665	11.68020967
C442	707.95	4/13/2017 12:00	8.89	0.01	0.14	0	0	0	0	0	0	1	0	0	1	0.02	0	127.423	91.07	15.037	7.774	128.6321898
C445	53.08	4/13/2017 12:22	3.36	0	0.06	0	0	0	0	0	0	1	0	0.02	0.98	0.01	0	73.672	25.46	3.457	2.085	160.6555192
C446	140	4/13/2017 12:00	7.06	0	0.07	0	0	0	0	0	0	1	0	0.77	0.23	0.93	0	24.704	36	2.727	3.889	160.3758464
C45	37.61	4/13/2017 12:03	8.36	0.27	0.36	0	0	0	0	0	0	1	0	0	1	0	0	0	6.37	1.005	5.904	20.13954333
C450	309.11	4/13/2017 12:08	6.02	0	0.13	0	0	0	0	0	0	1	0	0.07	0.93	0.13	0	35.051	66.59	4.628	4.642	88.63928021
C455_2	159.58	4/13/2017 12:04	1.4	0.03	0.25	0	0	0	0	0	0	1	0	0.99	0.01	0.13	0	319.176	25.09	1.179	6.36	52.03273954
C457	272.53	4/13/2017 12:00	5.84	0	0.07	0	0	0	0	0	0	1	0	0.98	0.02	1	0	76.979	41.06	4.202	6.637	50.27283279
C458_1	279.43	4/13/2017 12:00	3.1	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	60.944	50.9	4.137	5.49	162.6383483
C458_2	263.24	4/13/2017 12:04	0.44	0	0.51	0	0.01	0.01	4.41	0.01	0.01	1	0	1	0	1	0	538.098	50.9	4.137	5.172	297.8034184
C459	409.3	4/13/2017 12:07	1.04	0.01	0.37	0	0	0	0	0	0	1	0	1	0	0	0	157.67	102.76	10.589	3.983	62.56592821
C46	2049.56	4/13/2017 12:38	4.73	0.07	0.67	0	0	0	0	0	0	1	0	1	0	0.85	0	407.816	2133.03	60.405	0.961	76.56075662
C462	310.18	4/13/2017 12:00	3.8	0	0.43	0	0	0	0	0	0	1	0	1	0	0.91	0	275.575	41.92	5.06	7.399	96.98109204
C464	213.82	4/13/2017 11:55	2.97	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	79.271	23.72	3.128	9.014	70.19224678
C464_1	533.23	4/13/2017 11:57	1.96	0.01	0.33	0	0	0	0	0	0	1	0	1	0	0.97	0	218.307	74.84	7.158	7.125	115.7781789
C465	1205.27	4/13/2017 12:01	1.53	0.02	0.41	0	0	0	0	0	0	1	0	1	0	0.93	0	167.065	273.04	25.157	4.414	60.42854614
C467	239.74	4/13/2017 12:00	0.92	0.02	0.26	0	0	0	0	0	0	1	0	1	0	0	0	686.048	50.69	2.464	4.73	64.76241
C469	269.24	4/13/2017 12:00	2.8	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	132.002	43.69	7.472	6.163	53.3276691
C47	32.46	4/13/2017 12:07	0.41	0.01	0.46	0	0	0	0	0	0	1	0	1	0	0.97	0	280.459	6.37	1.005	5.096	60.52346661
C473	157.67	4/13/2017 12:04	0.54	0	0.3	0	0	0	0	0	0	1	0	1	0	0.85	0	342.486	47.1	2.716	3.348	76.73471091
C474	213.08	4/13/2017 12:01	6.65	0	0.06	0	0	0	0	0	0	1	0	0	1	0.95	0	50.261	31.22	3.218	6.825	35.13367867
C475	381.12	4/13/2017 12:00	0.82	0	0.45	0	0	0	0	0	0	1	0	1	0	1	0	131.787	46.02	4.611	8.282	231.3553719
C479	270.08	4/13/2017 12:00	3.66	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	98.825	50.35	6.582	5.364	74.32716241
C48	2048.22	4/13/2017 12:38	4.47	0.09	0.49	0	0	0	0	0	0	1	0	1	0	0	0	363.647	2130.18	60.328	0.962	61.0197838
C480	270.09	4/13/2017 12:00	6.86	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	70.139	43.69	7.472	6.182	23.47391906
C481	378.27	4/13/2017 12:18	16.07	0.43	0.6	0	0.01	0.01	0.01	0.47	0.01	1	0	0.11	0.89	0.11	0	0	111.87	12.188	3.381	15.73255349
C482	61.38	4/13/2017 12:03	0.81	0	0.51	0	0.01	0.01	4.26	0.01	0.01	1	0	1	0	1	0	106.161	16.41	2.581	3.74	380.1235138
C483	29.53	4/13/2017 12:00	1.13	0	0.04	0	0	0	0	0	0	1	0	1	0	0.98	0	139.449	4.29	0	6.883	223.208074
C484	222.69	4/13/2017 12:00	3.34	0.01	0.15	0	0	0	0	0	0	1	0	1	0	0.91	0	137.353	29.92	3.863	7.443	14.28507887
C486	618	4/13/2017 11:57	5.45	0.01	0.15	0	0	0	0	0	0	1	0	1	0	1	0	80.46	69.44	6.079	8.9	96.37797001
C488	203.9	4/13/2017 12:00	1.72	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	154.954	38.77	3.874	5.259	66.80557611
C489	222.35	4/13/2017 12:01	0.68	0.01	0.49	0	0	0	0	0	0	1	0	1	0	1	0	428.18	34.29	1.802	6.484	84.35191237
C49	2046.33	4/13/2017 12:37	4.05	0.18	0.61	0	0	0	0	0	0	1	0	1	0	0.18	0	326.509	2126.76	60.27	0.962	44.7390794
C493	391.45	4/13/2017 12:06	1.03	0	0.15	0	0	0	0	0	0	1	0	1	0	0	0	156.549	56.42	9.439	6.938	83.3960956
C494	234.6	4/13/2017 12:00	2.43	0	0.12	0	0	0	0	0	0	1	0	0.4	0.6	0.76	0	159.074	32.55	0.671	7.207	50.89834547
C497	378.19	4/13/2017 12:19	1.02	0	0.53	0	0	0	0	0	0	1	0	1	0	0.89	0	158.564	111.87	12.188	3.381	94.49768804
C498	279.99	4/13/2017 12:01	1.27	0.01	0.44	0	0	0	0	0	0	1	0	1	0	0.95	0	226.074	58.47	5.596	4.789	36.65949323
C499	567.82	4/13/2017 11:58	4.34	0	0.13	0	0	0	0	0	0	1	0	0.04	0.96	0.04	0	184.396	65.76	6.774	8.635	66.96488746

Conduits SWMM 50-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C5	7075.98	4/13/2017 13:57	6.07	0.08	0.78	0	0	0	0	0	0	1	0	1	0	0.72	0	984.572	890.28	40.185	7.948	151.7633282
C50	2044.44	4/13/2017 12:37	4.34	0.06	0.41	0	0	0	0	0	0	1	0	1	0	0.76	0	269.788	2120.77	59.803	0.964	58.34894834
C502	684.72	4/13/2017 11:59	6.24	0.01	0.1	0	0	0	0	0	0	1	0	0.97	0.03	1	0	165.076	88.08	14.287	7.774	108.3753899
C504_1	262.04	4/13/2017 12:00	2.27	0.01	0.21	0	0	0	0	0	0	1	0	1	0	1	0	279.804	33.66	1.659	7.785	71.33095669
C504_2	157.13	4/13/2017 12:02	0.65	0.01	0.4	0	0	0	0	0	0	1	0	1	0	0.9	0	486.056	33.66	1.659	4.668	91.47987223
C505	155.64	4/13/2017 11:57	2.25	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	130.204	19.23	2.117	8.094	59.57647947
C506	492.55	4/13/2017 11:59	6.51	0.05	0.25	0	0	0	0	0	0	1	0	0.99	0.01	0.91	0	58.167	58.76	7.319	8.382	71.34460099
C507	38881.95	4/13/2017 14:30	9.1	0.2	0.45	0	0	0	0	0	0	1	0	1	0	0.01	0	409.219	5.04	0	7714.673	125.6145275
C51	2041.36	4/13/2017 12:36	4.52	0.06	0.32	0	0	0	0	0	0	1	0	1	0	0.78	0	216.829	2113.44	59.649	0.966	69.13013338
C510	330.27	4/13/2017 12:00	21.25	0.48	0.55	0	0	0	0	0	0	1	0	0	1	0	0	0	39.87	3.574	8.284	28.20373075
C516	120.53	4/13/2017 11:55	1.22	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	55.611	13.01	1.687	9.264	76.93914614
C516_1	163.24	4/13/2017 12:37	9.44	0.75	0.79	0	0.01	0.16	0.01	1.8	0.01	1	0	0.56	0.44	0.8	0	0	67.92	5.397	2.403	21.55995503
C516_2	77.71	4/13/2017 12:15	0.63	0	0.3	0	0	0	0	0	0	1	0	1	0	1	0	254.951	20.48	2.44	3.794	138.7893971
C516_4	162.71	4/13/2017 12:39	0.71	0.01	0.55	0	0	0	0	0	0	1	0	1	0	1	0	769.99	67.92	5.397	2.396	200.5896403
C518	734.27	4/13/2017 12:08	2.68	0	0.16	0	0	0	0	0	0	1	0	1	0	0.98	0	121.732	42.83	7.169	17.144	36.76875809
C519	132.26	4/13/2017 12:00	1.15	0.01	0.23	0	0	0	0	0	0	1	0	1	0	1	0	261.486	20.78	2.51	6.365	239.9293318
C52	2040.95	4/13/2017 12:36	7.57	0.01	0.21	0	0	0	0	0	0	1	0	1	0	0.56	0	127.785	2110.74	59.649	0.967	80.46036507
C524	261.28	4/13/2017 12:00	4.98	0	0.08	0	0	0	0	0	0	1	0	1	0	0	0	68.009	33.88	4.505	7.712	40.57091779
C53	35066.98	4/13/2017 14:25	8.33	0.84	1	0	0.51	0.51	2.12	0.01	0.01	1	0	1	0	0.6	0	612.95	676.02	38.467	51.873	255.6324535
C530	249.78	4/13/2017 12:00	5.6	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	66.57	40.66	6.974	6.143	69.33206449
C532	67.05	4/13/2017 12:03	3.04	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	33.989	21.38	1.725	3.136	106.7262773
C537	152.85	4/13/2017 12:00	3.52	0	0.05	0	0	0	0	0	0	1	0	0	0	0	0	89.957	19.23	2.117	7.949	146.0741518
C538	318.51	4/13/2017 11:58	4.81	0	0.05	0	0	0	0	0	0	1	0	0.97	0.03	0.98	0	101.339	37.53	0.235	8.487	35.09518652
C540	533.23	4/13/2017 11:58	5.17	0	0.05	0	0	0	0	0	0	1	0	0.99	0.01	1	0	125.478	61.37	6.774	8.689	39.51517887
C543	281.66	4/13/2017 12:00	10.35	0	0.08	0	0	0	0	0	0	1	0	0.15	0.85	0.21	0	24.536	36.15	1.864	7.791	46.99171082
C546	67	4/13/2017 12:08	1.39	0	0.14	0	0	0	0	0	0	1	0	1	0	0.05	0	176.91	24.45	2.144	2.74	56.60486786
C548	65.3	4/13/2017 12:13	4.3	0	0.11	0	0	0	0	0	0	1	0	0.97	0.03	0.04	0	27.584	20.49	0.368	3.187	58.69268694
C55	2026.99	4/13/2017 12:35	3.95	0.01	0.2	0	0	0	0	0	0	1	0	1	0	1	0	281.014	2097.12	59.175	0.967	52.11268276
C551	3901	4/13/2017 14:59	3.34	0.13	0.74	0	0	0	0	0	0	1	0	1	0	0.88	0	964.923	684.31	38.899	5.701	97.86119837
C555	228.74	4/13/2017 12:01	1.55	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	167.344	38.17	1.47	5.993	42.44150584
C556	1652.03	4/13/2017 14:59	13.4	1.01	0.95	0	0.01	2.25	0.01	2.76	0.01	1	0	0.93	0.07	0.88	0	0	684.31	38.899	2.414	17.74305044
C557	870.32	4/13/2017 12:10	3.96	0.01	0.18	0	0	0	0	0	0	1	0	1	0	0.06	0	185.289	215.1	18.123	4.046	89.16588522
C558	87.85	4/13/2017 12:04	1.62	0	0.09	0	0	0	0	0	0	1	0	1	0	0.01	0	155.329	20.75	1.168	4.234	306.9515064
C56	49686.51	4/13/2017 15:13	9.72	0.04	0.26	0	0	0	0	0	0	1	0	1	0	0.19	0	517.313	1433.62	99.695	34.658	119.8122801
C561	198.44	4/13/2017 12:01	4.06	0.01	0.1	0	0	0	0	0	0	1	0	0	1	0	0	141.855	30.83	1.802	6.437	74.17230942
C562	7012.65	4/13/2017 13:55	8.77	0.35	1	0	1.9	1.9	3.49	3.68	0.01	1	0	1	0	0	0	0	802.92	36.077	8.734	26.12980272
C563	493.49	4/13/2017 11:57	9.25	0	0.04	0	0	0	0	0	0	1	0	0	1	0.02	0	55.286	58.76	7.319	8.398	58.64910166
C565	84.57	4/13/2017 12:00	1.35	0.01	0.24	0	0	0	0	0	0	1	0	1	0	1	0	112.391	15.44	0.684	5.477	208.316227
C568	216.32	4/13/2017 12:00	5.75	0	0.07	0	0	0	0	0	0	1	0	0.97	0.03	0.98	0	55.744	31.22	3.218	6.929	132.5070747
C57	2011.63	4/13/2017 12:34	4.95	0.04	0.23	0	0	0	0	0	0	1	0	1	0	0	0	252.381	2079.64	58.53	0.967	153.8606882
C571	240.11	4/13/2017 12:07	0.83	0	0.18	0	0	0	0	0	0	1	0	1	0	0	0	181.658	46.97	3.062	5.112	59.53609066
C573	192.08	4/13/2017 12:01	1.28	0.01	0.17	0	0	0	0	0	0	1	0	1	0	1	0	171.884	27.25	2.408	7.049	256.8617972
C575_1	290.56	4/13/2017 12:07	1.47	0	0.18	0	0	0	0	0	0	1	0	1	0	0.98	0	96.313	30.75	3.806	9.449	60.29695914
C575_3	239.46	4/13/2017 12:04	11.98	0.72	0.65	0	0.01	0.43	0.01	0.63	0.01	1	0	0	1	0	0	0	45.91	6.038	5.216	20.17222209
C575_4	241.37	4/13/2017 12:04	5.58	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	63.873	45.91	6.038	5.257	40.24326432
C577	224.04	4/13/2017 12:00	0.89	0	0.09	0	0	0	0	0	0	1	0	1	0	0.52	0	516.894	28.37	1.711	7.897	109.1849166
C58	1979.53	4/13/2017 12:32	7.28	0.03	0.28	0	0	0	0	0	0	1	0	1	0	0	0	99.965	2043.21	57.208	0.969	152.3775871
C580_1	235.16	4/13/2017 11:55	3.44	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	77.46	26.27	2.992	8.952	151.6202521
C580_2	828.76	4/13/2017 12:08	6.8	0.01	0.14	0	0	0	0	0	0	1	0	0.94	0.06	0.89	0	111.838	195.8	16.616	4.233	20.2965832
C581	611.11	4/13/2017 11:59	12.6	0.01	0.12	0	0	0	0	0	0	1	0	0	1	0	0	82.385	79.29	13.518	7.707	89.33854106
C582	78.7	4/13/2017 12:11	2.26	0.01	0.16	0	0	0	0	0	0	1	0	0.18	0.82	0.07	0	144.802	20.48	2.44	3.843	60.6027071
C587	283.67	4/13/2017 12:00	7.84	1.2	0.93	0	0.01	1.38	0.01	1.22	0.01	1	0	0.8	0.2	0	0	0	243.55	22.026	1.165	12.78600265
C588	27.77	4/13/2017 11:55	2.15	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	39.337	2.87	0.718	9.676	77.87945972
C588MAS	308.13	4/13/2017 11:57	8.38	0	0.1	0	0	0	0	0	0	1	0	0.86	0.14	0.01	0	53.384	33.5	4.922	9.198	77.87945972
C59	34.83	4/13/2017 12:00	0.39	0.01	0.37	0	0	0	0	0	0	1	0	1	0	1	0	197.375	4.72	0.099	7.379	174.5313613
C59_1	1919.21	4/13/2017 12:30	6.59	0.01	0.23	0	0	0	0	0	0	1	0	0.15	0.85	0.1	0	175.042	1990.45	52.764	0.964	76.87332412
C59_2	1958.8	4/13/2017 12:31	3.09	0.02	0.34	0	0	0	0	0	0	1	0	1	0	0.87	0	253.81	2022.3	56.056	0.969	73.66572095
C590	219.68	4/13/2017 12:00	5.89	0	0.1	0	0	0	0	0	0	1	0	0.03	0.97	0	0	61.333	36.12	5.958	6.082	74.80070063
C591	125.6	4/13/2017 12:03	2.01	0	0.06	0	0	0	0	0	0	1	0	1	0	0.99	0	166.921	18.35	0.87	6.845	185.2689708
C592	198.85	4/13/2017 12:00	2.91	0	0.03	0	0	0	0	0	0	1.27	0	1	0	1	0	205.66	24.9	1.641	7.986	169.889491
C593	1553.81	4/13/2017 12:52	12.12	2.55	1	0	3.79	5.93	3.79	16.26	3.79	1	0	1	0	0	0.02	0	643.06	25.39	2.416	17.0160706
C596	208.38	4/13/2017 11:54	0.38	0	0.23	0	0	0	0	0	0	1	0	1	0	0.84	0	287.804	24.44	3.427	8.526	15.54866378
C6	7266.7	4/13/2017 13:58	6.86	0.23	0.75	0	0	0	0	0	0	1	0	1	0	0.35	0	531.589	890.28	40.185	8.162	115.8627024
C60	49693.65	4/13/2017 15:13	11.32	11.34	0.86	0	0.01	0.01	0.01	13.12	0.01	1	0	1	0	0	0	435.259	1392.7	96.443	35.682	205.217882
C604	73.3	4/13/2017 13:45	12.54	0.32	0.56	0	0	0	0	0	0	1	0	0	1	0	0	0	90.66	5.859	0.809	14.81044054
C605	224.42	4/13/2017 11:58	2.57	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	115.6	27.47	3.808	8.17	107.7632645
C606	183.95	4/13/2017 12:01	4.26	0	0.08	0	0	0	0	0	0	1	0	0.98	0.02	0	0	91.704	28.25	1.341	6.512	69.69101076
C607MAS	72.11	4/13/2017 12:00	1.92	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	107.754	16.41	2.581	4.394	159.0629574
C61	1776.21	4/13/2017 12:25	2.78	0.03	0.33	0	0	0	0	0	0	1	0	1	0	1	0	291.01	1907.07	47.333	0.931	258.2008188
C611	111.09	4/13/2017 12:00	0.54	0	0.45	0	0	0	0	0	0	1	0	1	0	1	0	595.667	16.81	3.111	6.609	146.5479538

Conduits SWMM 50-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C613	423.21	4/13/2017 11:57	6.5	0	0.07	0	0	0	0	0	0	1.05	0	0.98	0.02	1	0	79.178	50.69	6.821	8.349	42.5319525
C614	1040.24	4/13/2017 12:00	2.63	0.01	0.17	0	0	0	0	0	0	1	0	0.35	0.65	0.36	0	176.154	248.91	22.713	4.179	15.71248359
C615	159.5	4/13/2017 12:00	3.43	0	0.05	0	0	0	0	0	0	1	0	0.99	0.01	0.55	0	109.125	24.07	1.511	6.627	224.7011569
C619	233.84	4/13/2017 12:04	1.79	0.01	0.25	0	0	0	0	0	0	1	0	1	0	1	0	127.161	43.7	2.65	5.351	127.091437
C62	155.36	4/13/2017 12:05	2.4	0	0.03	0	0	0	0	0	0	1	0	1	0	0.01	0	162.844	25.09	1.179	6.192	45.78873398
C62_1	38884.51	4/13/2017 14:39	7.65	0.46	0.78	0	0	0	0	0	0	1	0	1	0	0.38	0	573.56	647.82	37.727	60.024	314.4870404
C62_2	38730.99	4/13/2017 14:42	8.44	1.44	0.78	0	0.01	0.01	0.01	2.69	0.01	1	0	1	0	0	0	573.56	674.15	38.21	57.452	172.6441228
C621	287.58	4/13/2017 11:57	5.13	0	0.05	0	0	0	0	0	0	1	0	0.95	0.05	0.99	0	100.578	33.64	0.205	8.549	102.1045761
C622	154.28	4/13/2017 12:00	4	0	0.08	0	0	0	0	0	0	1	0	0.98	0.02	0.87	0	105.437	21.65	0	7.126	154.9477958
C623	132.45	4/13/2017 12:01	4.07	0	0.06	0	0	0	0	0	0	1	0	0.96	0.04	0.2	0	79.615	18.35	0.87	7.218	40.59839503
C627	300.13	4/13/2017 12:01	1.83	0.01	0.12	0	0	0	0	0	0	1	0	1	0	0.81	0	281.356	44.22	0.646	6.787	49.09114328
C63	238.59	4/13/2017 11:58	9.15	0.31	0.63	0	0.01	0.15	0.01	0.01	0.01	1	0	0	1	0	0.99	0	50.69	6.821	4.707	16.59619899
C630	261.86	4/13/2017 11:56	3.44	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	123.815	29.05	2.632	9.014	114.2815786
C631	168.34	4/13/2017 12:00	5.13	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	71.537	23	2.1	7.319	67.41168951
C632	184.44	4/13/2017 12:00	3.94	0.02	0.23	0	0	0	0	0	0	1	0	0.19	0.81	0.21	0	97.142	28.25	1.341	6.529	19.22618172
C638	191.99	4/13/2017 12:04	0.47	0.01	0.47	0	0	0	0	0	0	1	0	1	0	0.73	0	253.703	32.1	1.839	5.981	49.85429472
C639	108.59	4/13/2017 11:55	7.85	0	0.06	0	0	0	0	0	0	1	0	0.81	0.19	1	0	15.836	12.95	0.935	8.385	60.7477224
C64	465.79	4/13/2017 12:19	3.94	0.07	0.34	0	0	0	0	0	0	1	0	1	0	0	0	99.001	177.14	7.223	2.63	52.53462319
C640	167.98	4/13/2017 12:00	4.26	0	0.09	0	0	0	0	0	0	1	0	0.17	0.83	0.15	0	63.818	24.67	2.91	6.809	77.60977183
C642	193.6	4/13/2017 11:57	3.3	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	158.413	23.57	3.483	8.214	24.95127923
C648	155.93	4/13/2017 12:00	4.42	0.02	0.15	0	0	0	0	0	0	1	0	1	0	0.83	0	57.622	21.65	0	7.202	19.59420833
C65	38915.36	4/13/2017 14:38	7.03	0.27	0.68	0	0	0	0	0	0	1	0	1	0	0.16	0	575.662	647.82	37.727	60.071	83.50623791
C650	225.34	4/13/2017 12:00	3	0	0.09	0	0	0	0	0	0	1	0	1	0	0.98	0	193.52	28.92	1.421	7.792	139.5711629
C652	269.75	4/13/2017 11:55	2.13	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	57.22	31.11	1.867	8.671	139.1977048
C653	46.17	4/13/2017 12:27	2.61	0	0.06	0	0	0	0	0	0	1	0	0.17	0.83	0.04	0	72.683	26.74	2.315	1.727	149.4372706
C655	64.99	4/13/2017 12:17	0.44	0	0.37	0	0	0	0	0	0	1	0	1	0	0.5	0	485.698	7.82	0.952	8.311	64.6524249
C656	81.58	4/13/2017 12:01	0.14	0	0.57	0	0.01	0.01	4.51	0.01	0.01	1	0	1	0	1	0	476.519	17.06	0.002	4.782	153.6927115
C658	185.84	4/13/2017 11:55	2.45	0.01	0.23	0	0	0	0	0	0	1	0	0.15	0.85	0.13	0	98.872	21.56	3.01	8.62	48.18653196
C66	440.81	4/13/2017 12:19	4.06	0.01	0.2	0	0	0	0	0	0	1	0	1	0	1	0	98.592	166.78	6.222	2.643	70.75172113
C663	89.76	4/13/2017 12:00	2.42	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	92.826	14.89	1.42	6.028	37.06898031
C664	260.99	4/13/2017 11:56	5.68	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	75.328	30.33	0.2	8.605	25.34246888
C665	101.48	4/13/2017 13:14	0.61	0	0.71	0	0.01	0.01	5.67	0.01	0.01	1	0	1	0	0.9	0	263.019	90.66	5.859	1.119	47.69626971
C666MAS	300.02	4/13/2017 11:57	4.03	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	85.571	33.5	4.922	8.956	59.1894643
C667	108.86	4/13/2017 11:55	6.59	0	0.09	0	0	0	0	0	0	1	0	0	1	0.07	0	29.251	12.95	0.935	8.406	15.91696794
C67	38924.39	4/13/2017 14:37	7.89	0.08	0.46	0	0	0	0	0	0	1	0	1	0	0.31	0	475.582	643.05	37.727	60.531	50.37565958
C670	455.34	4/13/2017 11:56	6.36	0	0.09	0	0	0	0	0	0	1	0	0.09	0.91	0.12	0	70.713	50.13	4.88	9.083	120.6191417
C675	1021.04	4/13/2017 12:00	3.76	0.01	0.18	0	0	0	0	0	0	1	0	1	0	1	0	215.529	248.91	22.713	4.102	56.16276022
C677	60.06	4/13/2017 12:06	1.19	0.01	0.12	0	0	0	0	0	0	1	0	1	0	0.96	0	176.243	21.67	2.118	2.772	134.2030616
C679	51.45	4/13/2017 12:06	1.01	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	240.422	10.86	0.504	4.738	329.1234574
C68	38928.55	4/13/2017 14:37	8.12	0.22	0.69	0	0	0	0	0	0	1	0	1	0	0.04	0	472.235	634.58	37.727	61.345	17.04373128
C680	77.87	4/13/2017 12:25	9.01	0.66	0.59	0	0.01	2.03	0.01	2.29	0.01	1	0	0	1	0	0	0	51.58	3.371	1.51	18.14633933
C685	8.57	4/13/2017 12:49	6.3	1.29	0.85	0	0.01	7.59	0.01	2.8	0.01	1	0	0.11	0.89	0	0	0	15.82	0.944	0.542	14.5707176
C686	65.31	4/13/2017 12:00	1.49	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	108.711	10.55	1.001	6.191	310.3546065
C687	47.22	4/13/2017 12:34	6.77	1.9	1	0	0.81	12.08	0.81	18.49	0.81	1	0	0.09	0.91	0	0	0	1333.52	27.051	0.035	17.51307543
C688	106.68	4/13/2017 12:00	0.8	0	0.25	0	0	0	0	0	0	1	0	1	0	1	0	201.84	20.51	2.817	5.201	137.3731972
C69	1.87	4/13/2017 12:07	4.72	0.15	0.28	0	0	0	0	0	0	1	0	0	0	0	0	0	55.08	4.06	0.034	16.2613555
C69_1	323.68	4/13/2017 12:18	2.25	0.07	0.4	0	0	0	0	0	0	1	0	1	0	1	0	235.216	118.01	4.376	2.743	36.74297254
C69_2	429.04	4/13/2017 12:17	2.59	0.48	0.84	0	0	0	0	0	0	1	0	1	0	1	0	218.812	160.06	5.898	2.68	69.26440726
C693	115.32	4/13/2017 12:00	3.43	0	0.07	0	0	0	0	0	0	1	0	1	0	0.99	0	89.054	17.09	1.741	6.748	183.4072967
C696	352.92	4/13/2017 12:00	6.67	0	0.06	0	0	0	0	0	0	1	0	0.95	0.05	0.99	0	83.779	41.11	4.341	8.585	62.23656558
C697	200.72	4/13/2017 11:55	1.77	0.01	0.46	0	0	0	0	0	0	1	0	1	0	1	0	84.956	23.58	2.384	8.512	167.1623293
C7	7301.27	4/13/2017 13:58	8.25	0.13	0.69	0	0	0	0	0	0	1	0	1	0	0.35	0	408.294	890.28	40.185	8.201	29.0911221
C70	38944.72	4/13/2017 14:37	8.19	0.44	0.68	0	0	0	0	0	0	1	0	1	0	0	0	464.917	617.77	34.617	63.041	63.16339261
C701	40.52	4/13/2017 12:04	0.53	0	0.22	0	0	0	0	0	0	1	0	1	0	1	0	172.604	8.81	0	4.599	191.0507175
C705	132.77	4/13/2017 12:00	2.84	0	0.05	0	0	0	0	0	0	1	0	1	0	0.8	0	104.355	17.94	2.482	7.401	240.4514975
C709	71.33	4/13/2017 12:05	1.45	0.01	0.18	0	0	0	0	0	0	1	0	1	0	0.26	0	179.422	20.49	0.368	3.481	148.8004995
C71	24.61	4/13/2017 11:55	0.81	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	60.414	2.71	0.339	9.081	127.3681991
C71_1	16818.63	4/13/2017 16:40	10.2	1.54	1	0	3.64	3.67	3.66	3.47	3.08	1	0	1	0	0	0	291.25	638.61	50.638	26.336	33.81947739
C71_2	16819.39	4/13/2017 16:40	10.2	1.11	1	0	3.66	3.66	4.19	1.59	1.53	1	0	1	0	0.42	0	291.25	642.07	50.665	26.196	271.6305378
C71_5	19496.97	4/13/2017 16:22	11.82	1.43	1	0	4.15	4.19	4.31	2.81	2.74	1	0	1	0	0.05	0	291.25	716.68	57.976	27.205	119.7380623
C712	47.13	4/13/2017 12:12	1.9	0.01	0.18	0	0	0	0	0	0	1	0	1	0	0.03	0	113.635	11.6	1.712	4.063	79.57262322
C713	264	4/13/2017 11:55	6.2	0.01	0.11	0	0	0	0	0	0	1	0	0	1	0	0	88.363	29.05	2.632	9.088	64.38051066
C715	193.7	4/13/2017 11:57	6.92	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	74.928	23.57	3.483	8.218	51.44785567
C716	184.85	4/13/2017 12:00	4.28	0	0.06	0	0	0	0	0	0	1	0	0.96	0.04	1	0	96.383	28.25	1.341	6.543	63.7972595
C719	80.62	4/13/2017 11:55	0.77	0	0.22	0	0	0	0	0	0	1	0	1	0	1	0	105.389	10.6	1.475	7.606	107.8913053
C72	1206.35	4/13/2017 12:24	5.37	0.02	0.19	0	0	0	0	0	0	1	0	1	0	0	0	88.524	1666.89	37.553	0.724	196.3314291
C721	268.95	4/13/2017 11:59	7.69	0	0.06	0	0	0	0	0	0	1	0	0	1	0	0	57.601	31.55	3.457	8.525	18.24416074
C722	121.79	4/13/2017 12:01	2.7	0	0.08	0	0	0	0	0	0	1	0	1	0	0.98	0	112.681	21.65	0.587	5.625	454.4580438
C723	25.12	4/13/2017 12:00	1.24	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	77.096	4.06	0.822	6.187	84.29907628
C726	227.26	4/13/2017 11:55	2.43	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	109.593	23.42	5.734	9.704	79.99594216

Conduits SWMM 50-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C728	113.89	4/13/2017 12:01	0.39	0	0.19	0	0	0	0	0	0	1	0	1	0	0.88	0	342.268	20.88	1.241	5.455	43.28864271
C73	22861.98	4/13/2017 15:59	7.11	0.42	0.79	0	0	0	0	0	0	1	0	1	0	0	0	1131.978	635.39	50.168	35.981	38.58734161
C733	214.99	4/13/2017 14:21	0.26	0	0.38	0	0	0	0	0	0	1	0	1	0	0.89	0	204.364	21.53	2.292	9.986	135.2549052
C74	13.6	4/13/2017 12:03	0.58	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	171.39	2.5	0.116	5.44	542.9572043
C741	94.81	4/13/2017 12:00	3.04	0	0.07	0	0	0	0	0	0	1	0	0.06	0.94	0.01	0	78.793	13.41	0	7.07	23.03913121
C746	62.33	4/13/2017 12:00	12.57	0.63	0.98	0	0.01	0.89	0.01	0.01	0.01	1	0	0.07	0.93	0	0.99	0	21.13	1.299	2.95	13.64841276
C75	1191.98	4/13/2017 12:22	3.85	0.01	0.21	0	0	0	0	0	0	1	0	1	0	1	0	137.831	1656.15	37.249	0.72	96.80584104
C750	456.34	4/13/2017 12:40	3.74	0.03	0.23	0	0	0	0	0	0	1	0	1	0	0.42	0	165.183	396.18	15.51	1.152	121.076197
C754	233.67	4/13/2017 11:57	7.83	0	0.09	0	0	0	0	0	0	1	0	0	1	0	0	48.548	26.88	2.741	8.693	92.25955331
C758	194.27	4/13/2017 11:55	8.81	0	0.05	0	0	0	0	0	0	1	0	0.65	0.35	1	0	21.963	23.3	0.765	8.338	86.23885994
C76	38957.12	4/13/2017 14:36	10.54	0.96	0.43	0	0	0	0	0	0	1	0	1	0	0	0	328.011	610.86	34.495	63.774	167.1829351
C761	42.07	4/13/2017 12:02	8.75	2.17	0.64	0	0.01	0.01	2.59	1.39	0.01	1	0	0.98	0.02	0	0	0	25.95	1.273	1.621	13.85043583
C765	275.34	4/13/2017 11:56	4.76	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	69.002	30.41	3.152	9.054	80.37628672
C769	141.44	4/13/2017 12:02	2.71	0.01	0.15	0	0	0	0	0	0	1	0	1	0	0.96	0	98.361	22.11	1.432	6.397	184.7060744
C77	38961.63	4/13/2017 14:36	12.99	0.1	0.44	0	0	0	0	0	0	1	0	1	0	0	0	340.443	606.05	34.471	64.288	30.52697529
C771	40.42	4/13/2017 12:27	9.47	0.64	0.58	0	0.01	2.31	0.01	0.01	0.01	1	0	0.02	0.98	0	0.86	0	26.74	2.315	1.512	24.01087647
C775MAS	263.97	4/13/2017 11:56	11.79	0	0.1	0	0	0	0	0	0	1	0	0	1	0	0	31.874	29.1	4.329	9.071	41.18222053
C776	175.72	4/13/2017 12:02	3.17	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	115.973	25.95	1.273	6.771	267.4841651
C779	142.8	4/13/2017 12:00	1.69	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	207.673	23.66	3.343	6.036	74.14352223
C78	6.51	4/13/2017 11:55	4.63	0.77	0.9	0	0	0	0	0	0	1	0	0.01	0	0	0	0	22.85	2.809	0.285	30.06723036
C781	269.1	4/13/2017 11:59	4.84	0	0.08	0	0	0	0	0	0	1	0	0.22	0.78	1	0	89.873	31.55	3.457	8.529	53.89135686
C784	131.12	4/13/2017 11:55	4.29	0	0.1	0	0	0	0	0	0	1	0	0.99	0.01	1	0	69.194	16.47	3.39	7.961	99.51844873
C788	137.93	4/13/2017 11:55	8.6	0	0.07	0	0	0	0	0	0	1.12	0	0.68	0.32	1	0	19.884	16.81	0.518	8.205	20.33593984
C79	38.5	4/13/2017 12:00	1.57	0	0.01	0	0	0	0	0	0	1	0	1	0	1	0	57.047	5.59	0.245	6.887	176.7474429
C79_1	37766.58	4/13/2017 15:56	6.81	0.13	0.73	0	0	0	0	0	0	1	0	1	0	0.36	0	1038.027	576.72	45.012	65.485	43.87699036
C79_3	20710.21	4/13/2017 16:11	4.86	0.13	0.74	0	0	0	0	0	0	1	0	1	0	0.32	0	1047.096	587.49	46.682	35.252	145.36948
C79_4	17870.52	4/13/2017 16:12	4.96	0.25	0.75	0	0	0	0	0	0	1	0	1	0	0	0	1057.507	629.35	49.581	28.395	70.61364472
C791	45.94	4/13/2017 12:00	1.37	0.01	0.13	0	0	0	0	0	0	1	0	0.67	0.33	0.58	0	139.444	8.81	0	5.215	66.11004678
C793	226.56	4/13/2017 12:00	1.13	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	156.071	29.26	0.902	7.743	76.69836625
C794	202.68	4/13/2017 11:55	4.54	0	0.11	0	0	0	0	0	0	1	0	0.07	0.93	0.1	0	96.955	22.9	3.016	8.851	177.5778743
C797	172.68	4/13/2017 11:57	1.44	0	0.29	0	0	0	0	0	0	1	0	1	0	0.92	0	250.621	23.81	1.649	7.252	44.90686875
C798	142.69	4/13/2017 12:00	4.9	0	0.09	0	0	0	0	0	0	1	0	0.12	0.88	0.12	0	152.485	20.88	1.241	6.834	47.08289379
C8	94.1	4/13/2017 12:09	20.56	1.38	0.65	0	0.01	0.63	0.01	0.83	0.01	1	0	0	1	0.01	0	0	34.93	4.14	2.694	17.095144
C8_1	7396.36	4/13/2017 13:58	7.63	0.61	1	0	0.01	0.01	2.23	0.01	0.01	1	0	1	0	0.09	0	419.66	813.9	36.192	9.088	36.85981129
C8_2	7372.24	4/13/2017 13:58	6.98	0.55	1	0	2.23	2.23	3.23	0.01	0.01	1	0	0.78	0.22	0.06	0	419.66	821.84	36.593	8.97	31.78134411
C80	36477.34	4/13/2017 15:57	8.69	0.1	0.66	0	0	0	0	0	0	1	0	1	0	0.47	0	894.29	567.79	43.503	64.244	44.22866082
C800	171.84	4/13/2017 11:55	5.18	0	0.05	0	0	0	0	0	0	1	0	0.97	0.03	0.97	0	60.544	19.27	1.861	8.917	64.96543471
C801	133.39	4/13/2017 12:00	2.16	0	0.08	0	0	0	0	0	0	1	0	1	0	0.91	0	126.927	16.16	0.491	8.254	86.18158652
C803_1	197.1	4/13/2017 12:00	1.92	0.01	0.1	0	0	0	0	0	0	1	0	1	0	0.94	0	205.717	29.05	0	6.785	52.63209588
C803_2	213.86	4/13/2017 12:01	2.16	0	0.1	0	0	0	0	0	0	1	0	1	0	0.02	0	205.717	31.58	0	6.772	64.14222556
C804	109.77	4/13/2017 11:55	9.24	0.87	0.84	0	0.01	1.72	0.01	2.72	0.01	1	0	0.02	0.98	0	0	0	248.91	22.713	0.441	10.70950108
C805	1019.41	4/13/2017 12:00	4.18	0.01	0.13	0	0	0	0	0	0	1	0	1	0	0.28	0	142.95	248.91	22.713	4.095	37.40322989
C806MAS	60.49	4/13/2017 12:08	1.47	0.2	0.55	0	0	0	0	0	0	1	0	1	0	1	0	126.562	23.2	1.538	2.607	42.22694182
C81	1158.38	4/13/2017 12:20	1.32	0.02	0.33	0	0	0	0	0	0	1	0	1	0	0	0	305.424	1634.32	37.221	0.709	62.99315794
C813_3	212.18	4/13/2017 12:00	3.77	0.01	0.1	0	0	0	0	0	0	1	0	0.96	0.04	0.45	0	186.618	56.03	1.558	3.787	173.5877293
C814	62.74	4/13/2017 12:00	3.85	0	0.1	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	34.05	9.74	0.628	6.441	51.55633377
C815	1115.49	4/13/2017 12:00	5.68	0.01	0.14	0	0	0	0	0	0	1	0	1	0	1	0	138.46	261.54	23.729	4.265	84.83102572
C816	69.51	4/13/2017 12:00	1.3	0	0.08	0	0	0	0	0	0	1	0	1	0	0.98	0	225.805	10.86	0.504	6.401	105.6493208
C818	174.11	4/13/2017 12:00	1.69	0	0.35	0	0	0	0	0	0	1	0	1	0	1	0	132.262	24.03	1.928	7.246	322.0625077
C82	1168.28	4/13/2017 12:18	3.61	0.01	0.23	0	0	0	0	0	0	1	0	1	0	0.71	0	209.516	1631.31	37.221	0.716	58.82253788
C820	240.11	4/13/2017 12:02	2.23	0.01	0.13	0	0	0	0	0	0	1	0	1	0	1	0	143.523	43.7	2.65	5.495	129.2259887
C822	34.66	4/13/2017 12:00	1.5	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	60.044	5.06	0.36	6.85	69.13404574
C823	319.92	4/13/2017 12:04	14.67	0.68	0.75	0	0.01	0.33	0.01	0.68	0.01	1	0	0	1	0.89	0	0	63.56	10.581	5.033	22.91098573
C825	86.61	4/13/2017 12:00	1.53	0	0.19	0	0	0	0	0	0	1	0	1	0	1	0	135.993	10.66	0.917	8.125	77.31206094
C828	492.85	4/13/2017 11:58	2.48	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	122.535	58.76	7.319	8.388	94.16703722
C83	24462.19	4/13/2017 16:06	6.34	0.24	0.76	0	0	0	0	0	0	1	0	1	0	0	0	636.552	564.77	43.358	43.314	71.11675712
C831	98.84	4/13/2017 12:00	2.48	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	105.479	13.65	1.045	7.241	148.5818374
C836	65.07	4/13/2017 12:00	3.81	0	0.04	0	0	0	0	0	0	1	0	0.95	0.05	1	0	49.502	8.6	0.676	7.566	33.87235099
C837	93.13	4/13/2017 11:55	3.62	0	0.07	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	56.366	10.39	1.458	8.963	23.34305173
C84	38970.08	4/13/2017 14:35	10.97	0.06	0.34	0	0	0	0	0	0	1	0	1	0	0.02	0	364.634	590.85	33.302	65.956	37.22022296
C842	122.26	4/13/2017 12:05	0.45	0	0.23	0	0	0	0	0	0	1	0	1	0	0.96	0	248.047	11.39	0.027	10.734	48.37805664
C843	44.67	4/13/2017 12:00	0.85	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	167.306	6.37	1.005	7.013	72.39562982
C845	134.29	4/13/2017 11:56	3.12	0	0.06	0	0	0	0	0	0	1	0	1	0	0.99	0	80.189	16.43	2.104	8.173	25.64069993
C848	53.85	4/13/2017 12:00	0.75	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	144.831	7.23	0.48	7.448	46.22778412
C849	115.47	4/13/2017 12:00	4.4	0.01	0.13	0	0	0	0	0	0	1	0	0.25	0.75	0.2	0	73.341	16.9	1.499	6.833	164.8424756
C850	106.21	4/13/2017 12:00	2.64	0.05	0.24	0	0	0	0	0	0	1	0	1	0	0.05	0	68.536	18.65	0.003	5.695	45.89264765
C851	235.04	4/13/2017 11:59	7.18	0	0.05	0	0	0	0	0	0	1	0	0.93	0.07	0.97	0	55.759	27.67	3.165	8.494	40.96286426
C852	57.42	4/13/2017 12:01	1.23	0.01	0.17	0	0	0	0	0	0	1	0	1	0	0.99	0	261.198	10.43	0.387	5.505	35.79280502
C853	28.89	4/13/2017 12:00	0.3	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	168.312	3.82	0.425	7.563	75.10544523
C854	179.42	4/13/2017 11:56	2.31	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	108.219	20.69	2.265	8.672	62.63662263

Conduits SWMM 50-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft³)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C857	213.62	4/13/2017 11:55	1.23	0	0.28	0	0	0	0	0	0	1	0	1	0	1	0	108.902	23.52	2.333	9.082	88.05448694
C85MAS	26.66	4/13/2017 12:01	4.19	0.72	0.34	0	0.01	0.01	0.01	2.12	0.01	1	0	1	0	0	0	0	23.2	1.538	1.149	15.53931756
C86	13.12	4/13/2017 12:00	0.83	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	73.93	1.69	0.259	7.763	311.3119168
C860	189.16	4/13/2017 11:56	2.61	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	110.395	21.52	3.217	8.79	191.5616998
C861	120.18	4/13/2017 12:00	2.19	0.01	0.28	0	0	0	0	0	0	1	0	0.57	0.43	0.16	0	155.528	17.87	2.405	6.725	151.2040607
C865	59.82	4/13/2017 12:03	1.56	0.01	0.16	0	0	0	0	0	0	1	0	1	0	0	0	119.439	13.84	1.938	4.322	125.7208663
C866	186.54	4/13/2017 11:55	5.56	0	0.06	0	0	0	0	0	0	1	0	0.93	0.07	1	0	57.999	20.27	2.205	9.203	64.06397322
C867	90.3	4/13/2017 12:00	2.22	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	108.791	13.54	1.54	6.669	146.0239253
C869	155.11	4/13/2017 11:56	2.63	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	145.103	18.08	2.938	8.579	103.5736093
C87	1001.29	4/13/2017 12:15	3.87	0.02	0.26	0	0	0	0	0	0	1	0	1	0	0.89	0	193.331	1582.22	34.77	0.633	78.81835307
C873	56955.27	4/13/2017 15:19	8.32	0.95	1	0	2.95	2.95	3.31	0.01	0.01	1	0	1	0	0.05	0	940.4	3578.82	274.491	15.915	31.11969299
C88	104.06	4/13/2017 11:58	8.61	0.45	0.55	0	0.01	0.01	0.01	0.32	0.01	1	0	0	0	0	0	0	58.76	7.319	1.771	14.99381957
C883	195.36	4/13/2017 11:56	7.21	0	0.04	0	0	0	0	0	0	1	0	0.97	0.03	1	0	35.726	20.99	2.324	9.307	87.51800942
C886MAS	208.77	4/13/2017 11:55	3.13	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	87.939	21.63	3.631	9.652	172.8516819
C89	258.68	4/13/2017 12:01	1.56	0.01	0.18	0	0	0	0	0	0	1	0	1	0	1	0	171.06	33.88	4.505	7.635	81.51231812
C890	130.72	4/13/2017 11:55	1.73	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	119.409	14.1	3.189	9.271	22.07789997
C892	122.23	4/13/2017 11:55	8.28	0	0.04	0	0	0	0	0	0	1	0	0	1	0.45	0	40.196	12.58	2.988	9.716	102.6053442
C893	110.87	4/13/2017 12:00	1.19	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	198.316	36.08	4.249	3.073	89.7687153
C897	202.18	4/13/2017 11:59	4.54	0	0.04	0	0	0	0	0	0	1	0	0	1	0.08	0	98.567	23.89	2.712	8.463	31.32735056
C898	111.53	4/13/2017 11:55	2.54	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	79.922	13.12	1.643	8.501	238.9279428
C899	143.26	4/13/2017 12:00	7.52	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	36.119	20.88	1.241	6.861	65.41270546
C9	47.31	4/13/2017 11:58	0.5	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	180.007	5.5	0.105	8.602	199.5783394
C9_1	7424.55	4/13/2017 13:56	6.22	0.73	0.77	0	0	0	0	0	0	1	0	1	0	0	0	321.084	802.92	36.077	9.247	212.1507806
C9_2	7423.13	4/13/2017 13:56	13.07	0.33	0.64	0	0	0	0	0	0	1	0	0.81	0.19	0.07	0	267.44	807.92	36.177	9.188	134.4117552
C90	626.56	4/13/2017 12:03	4.27	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	74.893	451.09	19.458	1.389	163.9934259
C903	191.84	4/13/2017 11:56	3.19	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	106.338	22.85	2.809	8.396	126.6669325
C905	197.28	4/13/2017 11:56	7.12	0	0.07	0	0	0	0	0	0	1	0	0.98	0.02	0.97	0	29.138	22.69	0.197	8.695	177.5096817
C907	56.94	4/13/2017 12:00	2.93	0	0.09	0	0	0	0	0	0	1	0	1	0	0.99	0	65.189	9.74	0.769	5.846	50.62426903
C908_1	386.19	4/13/2017 11:57	6.53	0.01	0.12	0	0	0	0	0	0	1	0	0.06	0.94	0.59	0	119.364	50.38	8.883	7.666	104.0323935
C908_2	448.71	4/13/2017 11:58	6.99	0	0.12	0	0	0	0	0	0	1	0	0	1	0.04	0	119.364	59.17	10.144	7.583	180.8873337
C909	93.31	4/13/2017 11:56	2.42	0	0.07	0	0	0	0	0	0	1	0	1	0	0.47	0	88.962	11.13	1.755	8.384	48.1947054
C91_1	19291.54	4/13/2017 16:04	9.71	0.14	0.55	0	0	0	0	0	0	1	0	1	0	0	0	274.182	544.64	41.247	35.421	26.74074459
C91_2	19247.32	4/13/2017 16:04	11.15	0.18	0.56	0	0	0	0	0	0	1	0	1	0	0.71	0	279.029	547.74	41.433	35.14	192.6465915
C911	114.15	4/13/2017 11:55	2.43	0.02	0.2	0	0	0	0	0	0	1	0	0.15	0.85	0.13	0	104.538	13.07	1.708	8.734	77.65919408
C914	38.23	4/13/2017 11:59	0.97	0	0.56	0	0	0	0	0	0	1	0	0.76	0	0.49	0	804.652	7.28	0	5.251	31.56641208
C92	38974.61	4/13/2017 14:35	9.07	0.17	0.38	0	0	0	0	0	0	1	0	1	0	0	0	379.748	570.08	31.912	68.367	236.7620029
C920	71.11	4/13/2017 12:02	2.77	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	63.615	9.61	0.626	7.4	111.046085
C922	121.26	4/13/2017 11:55	7.8	0	0.04	0	0	0	0	0	0	1	0	0	1	1	0	36.019	12.68	1.462	9.563	34.72606489
C929	107.13	4/13/2017 12:00	1.8	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	157.546	15.58	0.518	6.876	135.979726
C93	148.78	4/13/2017 12:03	2.67	0.01	0.09	0	0	0	0	0	0	1	0	1	0	0.97	0	140.713	24.07	1.511	6.181	197.1822112
C93_1	238.15	4/13/2017 12:01	10.33	0.35	0.59	0	0	0	0	0	0	1.49	0	0	1	0	0	0	102.56	13.732	2.322	17.0452216
C93_2	878.94	4/13/2017 12:00	6.35	0.01	0.33	0	0	0	0	0	0	1	0	1	0	1	0	79.783	113.07	16.258	7.773	66.89995112
C93_3MAS_1	26.52	4/13/2017 12:01	2.77	0.08	0.34	0	0	0	0	0	0	1	0	1	0	0.06	0	20.568	23.2	1.538	1.143	99.62865926
C93_3MAS_2	34.6	4/13/2017 12:00	3.17	0.1	0.37	0	0	0	0	0	0	1	0	1	0	1	0	20.884	24.3	1.614	1.424	91.77985398
C93_5MAS	34.18	4/13/2017 12:01	2.84	0.1	0.41	0	0	0	0	0	0	1	0	1	0	0.01	0	24.782	24.3	1.614	1.407	143.3590012
C93_6MAS	34.64	4/13/2017 12:05	1.09	0.09	0.54	0	0	0	0	0	0	1	0	1	0	0.98	0	71.137	24.3	1.614	1.426	57.50517318
C933	44.37	4/13/2017 12:01	0.73	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	251.557	8.43	0.289	5.263	57.00117545
C934	110.43	4/13/2017 12:00	3.04	0	0.06	0	0	0	0	0	0	1	0	0.46	0.54	0.32	0	75.217	17.55	0	6.292	209.3777292
C939	146.66	4/13/2017 11:55	5.15	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	65.565	15.96	2.793	9.189	54.80490735
C94	19225.45	4/13/2017 16:04	7.89	2.88	0.75	0	0.01	0.01	0.01	5.12	0.01	1	0	1	0	0	0	440.432	541.36	40.84	35.513	61.56457011
C941	27.39	4/13/2017 12:00	1.06	0	0.07	0	0	0	0	0	0	1	0	1	0	0.7	0	101.614	3.68	0.028	7.443	46.8575812
C943	132.96	4/13/2017 11:55	3.77	0	0.04	0	0	0	0	0	0	1	0	0.97	0.03	0	0	106.887	15.22	1.99	8.736	53.73973226
C944	178.98	4/13/2017 12:00	5.02	0	0.1	0	0	0	0	0	0	1	0	0	1	0.03	0	91.2	23.4	0.423	7.649	114.9072664
C946	121.5	4/13/2017 11:55	7.96	0	0.04	0	0	0	0	0	0	1.34	0	0	1	0.03	0	42.823	12.68	1.462	9.582	18.44568334
C948	196.72	4/13/2017 12:01	3.72	0.01	0.19	0	0	0	0	0	0	1	0	0.5	0.5	0	0	242.252	36.4	2.65	5.404	93.89677141
C949	115.28	4/13/2017 11:55	2.57	0	0.08	0	0	0	0	0	0	1	0	0.15	0.85	0.23	0	68.047	13.47	0.139	8.558	31.01541094
C95	19159.55	4/13/2017 16:02	9.54	0.11	0.42	0	0	0	0	0	0	1	0	1	0	0	0	431.631	520.27	38.604	36.826	62.59536402
C950	53.27	4/13/2017 11:56	1.51	0	0.33	0	0	0	0	0	0	1	0	0.9	0.1	1	0	96.974	6.3	0.113	8.456	129.2103949
C955	44.65	4/13/2017 12:00	0.26	0	0.34	0	0	0	0	0	0	1	0	1	0	1	0	176.069	9.19	0	4.859	83.24175412
C957	204.12	4/13/2017 11:59	1.44	0.01	0.47	0	0	0	0	0	0	1	0	1	0	1	0	134.804	24.92	4.049	8.191	140.5751249
C96	621.23	4/13/2017 12:01	3.07	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	144.407	448.01	19.458	1.387	153.9352316
C961	57.34	4/13/2017 12:00	3.04	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	42.27	7.85	0.79	7.304	52.84022058
C962	71.65	4/13/2017 11:55	7.93	0	0.06	0	0	0	0	0	0	1	0	0.02	0.98	0.4	0	14.113	7.51	1.281	9.541	35.83843174
C963	111.81	4/13/2017 12:00	1.62	0	0.1	0	0	0	0	0	0	1	0	1	0	0.97	0	151.12	15.03	1.204	7.439	124.925283
C968	53.14	4/13/2017 12:00	1.53	0	0.17	0	0	0	0	0	0	1	0	1	0	0.96	0	65.95	7.6	1.175	6.992	16.89476764
C97	38979.36	4/13/2017 14:34	7.68	0.14	0.57	0	0	0	0	0	0	1	0	1	0	0	0	348.162	562.76	31.826	69.265	85.61981463
C972	58.18	4/13/2017 12:00	2.36	0	0.06	0	0	0	0	0	0	1	0	0.99	0.01	0.98	0	109.063	11.05	0.002	5.265	46.0081208
C973	64.74	4/13/2017 12:00	1.88	0	0.05	0	0	0	0	0	0	1	0	1	0	0.22	0	93.962	9.74	0.628	6.647	114.5584369
C975	108.53	4/13/2017 11:59	5.32	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	39.344	13.23	1.247	8.203	145.556902
C977	41.78	4/13/2017 11:55	3.69	0	0.06	0	0	0	0	0	0	1	0	0.99	0.01	1	0	38.688	5.49	0.545	7.61	21.44104946

Conduits SWMM 50-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C98	914.58	4/13/2017 13:21	10.35	0.02	0.17	0	0	0	0	0	0	1	0	0.89	0.11	0	0	34.972	1527.47	32.968	0.599	150.8968432
C980_2MAS	62.24	4/13/2017 12:06	2.66	0.1	0.35	0	0	0	0	0	0	1	0	0.07	0	1	0	89.921	17.81	0.868	3.495	30.24495884
C981_2	29.7	4/13/2017 12:15	5.32	0	0.04	0	0	0	0	0	0	1	0	0	1	0.01	0	28.017	10.81	1.784	2.747	47.98551127
C981_3	101.3	4/13/2017 11:55	1.57	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	125.257	10.81	1.784	9.371	129.3845525
C981_4	29.73	4/13/2017 12:14	9.59	0.65	0.61	0	0.01	1.03	0.01	0.01	0.01	1	0	0	1	0	0	0	10.81	1.784	2.75	19.7615568
C99	63.62	4/13/2017 12:00	1.25	0	0.1	0	0	0	0	0	0	1	0	1	0	0.22	0	151.447	9.24	0	6.885	92.12405932
C991_2MAS	35.28	4/13/2017 12:00	2.06	0.01	0.13	0	0	0	0	0	0	1	0	0.08	0.92	0.08	0	93.244	11.33	1.773	3.114	106.4960688
C991MAS	9.08	4/13/2017 11:56	1.18	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	48.027	8	1.566	1.135	138.1076954
C992	81.27	4/13/2017 12:00	2.03	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	79.313	10.48	0	7.755	213.0927174
grof_100_11	110.33	4/13/2017 11:55	10.07	0.01	0.21	0	0	0	0	0	0	1	0.97	0	0	0	0	54.361	19.6	1.215	5.629	31.79016866
grof_100_12	146.9	4/13/2017 12:00	2.93	0.14	0.4	0	0	0	0	0	0	1	0.93	0	0	0	0	174.329	22.67	1.802	6.48	30.99935503
grof_100_3	147.39	4/13/2017 12:05	9.87	0	0.04	0	0	0	0	0	0	2.03	0.98	0	0	0	0	35.882	86.23	7.185	1.709	40.63487806
grof_100_5	53.71	4/13/2017 12:00	5.28	0	0.03	0	0	0	0	0	0	1.62	0.99	0	0	0	0	133.722	11.76	2.888	4.567	44.06076848
grof_100_6	149.44	4/13/2017 12:00	9.59	0	0.02	0	0	0	0	0	0	3.27	0.95	0	0	0	0	111.764	29.04	4.497	5.146	22.46221329
grof_100_7	239.69	4/13/2017 11:54	13.6	0	0.21	0	0	0	0	0	0	1.66	0.79	0.01	0	0.5	0	111.777	32.49	4.147	7.377	49.31436527
grof_100_8	83.41	4/13/2017 11:55	6.95	0.01	0.06	0	0	0	0	0	0	1	0.98	0	0	0	0	103.501	14	1.461	5.958	33.32252993
grof_100_9	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.85	1	0	0	0	0	0	17.86	1.982	0	26.3112352
GROF100	818.35	4/13/2017 12:00	9.77	0.01	0.09	0	0	0	0	0	0	1.17	0.93	0	0	0	0	117.807	117.17	9.563	6.984	23.32095192
GROF101	53.32	4/13/2017 11:55	11.61	0	0.07	0	0	0	0	0	0	1.36	0.99	0	0	0	0	21.346	18.97	1.818	2.811	24.35774472
GROF103	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	34.93	4.14	0	27.84783669
GROF104	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	57.85	5.703	0	37.26826934
GROF105	54.9	4/13/2017 12:15	9.02	0.01	0.11	0	0	0	0	0	0	1	0.97	0	0	0	0	22.332	60.86	5.884	0.902	39.91482077
GROF106	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	23.9	1.737	0	25.52975535
GROF107	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	29.58	2.195	0	23.0218893
GROF108	691.04	4/13/2017 12:01	9.65	0.39	0.7	0	0	0	0	0	0	1	0.96	0	0	0	0	103.619	212.48	20.186	3.252	63.79575108
GROF109	965.06	4/13/2017 12:03	13.8	0.01	0.21	0	0	0	0	0	0	1	0.92	0	0	0	0	138.204	263.68	23.114	3.66	53.33253292
GROF11	5902.6	4/13/2017 13:44	21.14	0.45	0.75	0	0	0	0	0	0	1	0.78	0	0	0	0	115.402	643.06	25.39	9.179	26.58112958
GROF110	683.97	4/13/2017 12:15	19.37	0.04	0.38	0	0	0	0	0	0	1	0.93	0	0	0	0	119.495	343.83	26.264	1.989	23.5722879
GROF112	112.82	4/13/2017 11:55	5.04	0	0.03	0	0	0	0	0	0	1.38	0.97	0	0	0	0	87.5	17.88	0.594	6.31	37.63622909
GROF113	285.42	4/13/2017 12:00	8.13	0.01	0.09	0	0	0	0	0	0	1	0.92	0	0	0	0	127.773	46.78	2.133	6.101	24.33568357
GROF114	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	26.52	5.878	0	24.33227358
GROF12	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.85	1	0	0	0	0	0	90.66	5.859	0	26.34268656
GROF13	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.27	1	0	0	0	0	0	51.58	3.371	0	27.98119459
GROF14	140.28	4/13/2017 12:01	2.58	0.01	0.18	0	0	0	0	0	0	1	0.94	0	0	0	0	184.04	25.95	1.273	5.406	26.56790245
GROF15	412.25	4/13/2017 13:55	4.24	0	0.1	0	0	0	0	0	0	1	0.91	0	0	0	0	64.079	802.92	36.077	0.513	49.77436053
GROF16	2247.86	4/13/2017 15:00	15.51	0.03	0.33	0	0	0	0	0	0	1	0.91	0	0	0	0	103.922	684.31	38.899	3.285	32.83322275
GROF17	33.79	4/13/2017 15:22	3.01	0	0.08	0	0	0	0	0	0	1	0.62	0.05	0	0.04	0	147.096	61.67	3.56	0.548	19.10430842
GROF200	337.68	4/13/2017 12:00	9.88	0.06	0.21	0	0	0	0	0	0	1	0.92	0	0	0	0	71.983	97.57	10.384	3.461	38.72120345
GROF21	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	15.82	0.944	0	21.73831212
GROF22	776.09	4/13/2017 12:54	8.74	0.28	0.65	0	0	0	0	0	0	1	0.67	0	0	0	0	188.969	1333.52	27.051	0.582	38.19960761
GROF25	168.35	4/13/2017 12:01	12.57	0.01	0.14	0	0	0	0	0	0	1	0.97	0	0	0	0	34.757	50.9	4.137	3.307	21.66067044
GROF26	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	21.19	2.268	0	29.16477628
GROF27	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.83	1	0	0	0	0	0	111.87	12.188	0	26.37475642
GROF28	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.96	1	0	0	0	0	0	42.37	4.096	0	22.89502536
GROF29	268.72	4/13/2017 12:05	12.36	0.02	0.2	0	0	0	0	0	0	1	0.97	0	0	0	0	82.5	79.83	8.432	3.366	34.53238167
GROF3	6519.15	4/13/2017 13:31	12.1	0.12	0.41	0	0	0	0	0	0	1	0.46	0	0	0	0	166.096	38.45	1.048	169.549	29.73111315
GROF31	73.9	4/13/2017 12:00	8.46	0.06	0.31	0	0	0	0	0	0	1	0.97	0	0	0	0	51.607	15.54	1.258	4.755	25.0800392
GROF32	0	4/13/2017 0:00	0	0	0.07	0	0	0	0	0	0	2.95	0.97	0	0	0	0	184.316	120.91	18.56	0	32.50097966
GROF33	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	2.48	1	0	0	0	0	0	105.77	10.988	0	24.34145594
GROF34	575.56	4/13/2017 12:01	11.36	0.04	0.32	0	0	0	0	0	0	1	0.97	0	0	0	0	98.864	102.56	13.732	5.612	25.07889538
GROF37	388.56	4/13/2017 11:58	15.77	0.07	0.37	0	0	0	0	0	0	1	0.96	0	0	0	0	47.987	58.76	7.319	6.613	23.49688833
GROF38	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	5.35	1	0	0	0	0	0	39.87	3.574	0	44.79291628
GROF39	53674.25	4/13/2017 14:18	9.41	0.16	1	0	0.36	0.36	1.61	0.01	0.01	1	0	0.81	0.13	0	0	572	1458.2	102.249	36.809	40.98229972
GROF4	126.81	4/13/2017 12:39	6.16	0	0.06	0	0	0	0	0	0	1	0.94	0	0	0	0	56.619	396.18	15.51	0.32	28.56362081
GROF40	1941.08	4/13/2017 12:04	9.62	0.03	0.17	0	0	0	0	0	0	1	0.96	0	0	0	0	292.999	557.95	64.942	3.479	42.10541207
GROF42	315.88	4/13/2017 12:00	12.27	0	0.08	0	0	0	0	0	0	1.57	0.97	0	0	0	0	59.787	104.93	20.288	3.01	35.94882395
GROF43	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	90.95	17.282	0	46.55860358
GROF44	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	3.64	1	0	0	0	0	0	63.56	10.581	0	48.86384284
GROF45	59.81	4/13/2017 11:55	5.49	0	0.09	0	0	0	0	0	0	1	0.98	0	0	0	0	55.675	9.01	1.501	6.638	36.24614916
GROF46	10.09	4/13/2017 11:55	8.13	0	0.03	0	0	0	0	0	0	2.1	0.99	0	0	0	0	23.952	6.1	1.352	1.654	76.33486615
GROF47	575.32	4/13/2017 12:00	9.32	0.02	0.13	0	0	0	0	0	0	1	0.96	0	0	0	0	93.969	273.04	25.157	2.107	30.46401274
GROF48	312.13	4/13/2017 12:08	11.66	0	0.04	0	0	0	0	0	0	1.79	0.97	0	0	0	0	108.308	169.53	13.624	1.841	38.81768901
GROF49	270.03	4/13/2017 12:08	12.3	0.03	0.2	0	0	0	0	0	0	1	0	0	0	0	0	63.819	55.08	4.06	4.903	41.3077958
GROF5	87.46	4/13/2017 12:15	5.14	0.06	0.31	0	0	0	0	0	0	1	0.96	0	0	0	0	46.167	381.42	14.371	0.229	30.0212102
GROF50	166.17	4/13/2017 12:05	8.24	0.03	0.25	0	0	0	0	0	0	1	0.92	0	0	0	0	74.813	32.1	1.839	5.177	22.91365506
GROF51	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.01	1	0	0	0	0	0	61.04	5.874	0	35.12527079
GROF52	76.64	4/13/2017 11:56	2.89	0	0.03	0	0	0	0	0	0	1	0.98	0	0	0	0	144.667	12.26	1.413	6.251	24.47602966
GROF53	54.98	4/13/2017 11:57	3.31	0.01	0.06	0	0	0	0	0	0	1	0.99	0	0	0	0	140.529	12.26	1.413	4.485	29.88875791
GROF54	56.11	4/13/2017 12:03	3.05	0.09	0.4	0	0	0	0	0	0	1	0.93	0	0	0	0	84.712	11.35	0.809	4.944	25.4148865
GROF55	54.05	4/13/2017 12:04	5.76	0.12	0.39	0	0	0	0	0	0	1	0.94	0	0	0	0	57.492	11.35	0.809	4.762	17.70310007

Conduits SWMM 50-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
GROF56	49.73	4/13/2017 12:07	4.69	0.06	0.39	0	0	0	0	0	0	1	0.82	0	0	0	0	81.223	11.35	0.809	4.381	32.72981806
GROF58	505.88	4/13/2017 12:10	16.18	0.03	0.29	0	0	0	0	0	0	1	0.94	0	0	0	0	98.561	219.11	18.599	2.309	28.23107325
GROF59	691.18	4/13/2017 12:00	5.52	0.01	0.3	0	0	0	0	0	0	1.78	0	0.06	0.01	0.51	0	146.746	243.55	22.026	2.838	37.21733813
GROF6	108.45	4/13/2017 12:00	4.6	0.02	0.18	0	0	0	0	0	0	1	0.98	0	0	0	0	103.973	21.13	1.299	5.133	24.45744047
GROF60	674.05	4/13/2017 12:00	11.61	0.24	0.61	0	0	0	0	0	0	1	0.94	0	0	0	0	107.758	248.91	22.713	2.708	36.94398192
GROF61	910.99	4/13/2017 12:00	12.76	0.01	0.12	0	0	0	0	0	0	1.57	0.87	0	0	0	0	104.763	248.91	22.713	3.66	22.82298504
GROF63	424.6	4/13/2017 12:00	18.23	0	0.05	0	0	0	0	0	0	2.57	0.99	0	0	0	0	66.317	101.24	8.943	4.194	32.53140549
GROF64	64.9	4/13/2017 11:56	4.43	0.04	0.3	0	0	0	0	0	0	1	0.98	0	0	0	0	35.184	13.01	1.687	4.988	35.33344707
GROF65	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	3.12	1	0	0	0	0	0	8.01	0.953	0	28.344948
GROF66	2.16	4/13/2017 12:04	2.45	0	0.01	0	0	0	0	0	0	1	1	0	0	0	0	14.539	45.91	6.038	0.047	48.64403844
GROF67	15.16	4/13/2017 12:20	5.92	0	0.05	0	0	0	0	0	0	1.35	0.96	0	0	0	0	27.777	25.46	3.457	0.595	42.11318395
GROF68	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.64	1.097	0	29.93544523
GROF69	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	10.81	1.784	0	31.54731873
GROF70	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.64	1.097	0	38.36083324
GROF75	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	133.47	8.332	0	37.05568049
GROF76	67.24	4/13/2017 12:31	1.46	0.01	0.18	0	0	0	0	0	0	1	0.95	0	0	0	0	107.921	77.13	4.449	0.872	34.8249025
GROF79	117.53	4/13/2017 12:00	6.34	0	0.06	0	0	0	0	0	0	1	0.99	0	0	0	0	100.498	29.26	0.902	4.017	33.29647985
GROF80	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	30.38	2.581	0	38.98485539
GROF81	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	6.37	1.005	0	31.50725701
GROF82	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.6	1.712	0	33.12023577
GROF83	95.44	4/13/2017 12:43	5.12	0.03	0.12	0	0	0	0	0	0	1	0.84	0	0	0	0	226.399	123.84	10.356	0.771	55.57563919
GROF84	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	67.92	5.397	0	49.88201729
GROF87	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	20.48	2.44	0	25.02295052
GROF88	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	17.87	2.405	0	26.05383436
GROF89	12.79	4/13/2017 13:02	0.46	0	0.21	0	0	0	0	0	0	1	0.71	0	0	0	0	81.886	41.53	2.987	0.308	40.54833597
GROF90	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	23.2	1.538	0	24.81557939
GROF95	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	30.78	1.792	0	25.78363117
GROF96	6.45	4/13/2017 12:27	5.33	0.01	0.22	0	0	0	0	0	0	1	0.96	0	0	0	0	16.795	26.74	2.315	0.241	37.2975681
MASC13	43.99	4/13/2017 11:55	3.27	0	0.03	0	0	0	0	0	0	1	0	0.99	0.01	1	0	45.989	5.03	1.027	8.746	85.52389101
MASC14_1	63.87	4/13/2017 11:55	10.43	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	20.124	8	1.566	7.984	115.1505193
MASC14_3	117.44	4/13/2017 11:55	7.17	0	0.07	0	0	0	0	0	0	1	0	0	1	1	0	49.172	13.83	3.044	8.492	126.8077537
MASC14_4	115.87	4/13/2017 11:56	4.16	0	0.11	0	0	0	0	0	0	1	0	0.94	0.06	1	0	80.152	13.83	3.044	8.378	162.4481157
MASC231_1	17.33	4/13/2017 11:55	1.47	0.01	0.23	0	0	0	0	0	0	1	0	1	0	1	0	21.659	1.92	0.307	9.026	38.72611549
MASC231_2	37.49	4/13/2017 11:56	1.34	0.03	0.39	0	0	0	0	0	0	1	0	1	0	1	0	43.471	4.31	0.446	8.698	63.31490564
MASC231_3	15.83	4/13/2017 11:57	5.6	1.15	1	0	0.01	0.99	0.01	0.68	0.01	1	0	1	0	0.74	0	0	7.96	0.533	1.989	9.583708341
MASC231_4	66.84	4/13/2017 11:56	1.44	0.08	0.49	0	0	0	0	0	0	1	0	1	0	0.04	0	63.355	7.96	0.533	8.397	53.09833665
MASC231_5	36.12	4/13/2017 11:55	1.83	0.03	0.37	0	0	0	0	0	0	1	0	1	0	0.91	0	38.976	10.44	0.652	3.46	34.08031077
MASC231_7	52.43	4/13/2017 11:56	2.05	0.04	0.54	0	0	0	0	0	0	1	0	1	0	0.81	0	73.03	12.31	0.763	4.259	38.01694486
MASC311	36.01	4/13/2017 11:55	2.41	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	45.233	4.74	0.478	7.597	80.20600313
MASC440_2	43094.76	4/13/2017 15:28	15.83	0.33	0.6	0	0	0	0	0	0	1	0.84	0	0.07	0	0	1273.721	4013.66	315.389	10.737	21.42366419
MASC440_3	56869.67	4/13/2017 15:27	12.14	0.09	0.6	0	0	0	0	0	0	1	0	1	0	0.06	0	550.889	4043.09	317.678	14.066	91.46352853
MASC440_4	56873.79	4/13/2017 15:27	8.51	0.24	0.94	0	0.01	0.01	4.99	0.01	0.01	1	0	1	0	0.48	0	666.751	4030.57	317.402	14.111	118.4251605
MASC93_1	859.07	4/13/2017 12:01	10.89	0.06	0.36	0	0	0	0	0	0	1	0	0.95	0.05	0.93	0	58.579	115.15	18.17	7.46	133.3585878
MASC93_3	875.57	4/13/2017 12:02	4.13	0.01	0.77	0	0.01	0.01	2.98	0.01	0.01	1	0	1	0	0.8	0	728.71	118.64	19.182	7.38	127.3538214
MASC93_4	5558.67	4/13/2017 13:06	2.67	0.01	0.78	0	0	0	0	0	0	1	0	1	0	0.63	0	1192.575	129.67	21.599	42.868	79.90261786
MASC931	902.28	4/13/2017 12:01	9.17	0.08	0.27	0	0	0	0	0	0	1	0	0.99	0.01	0	0	46.08	116.75	17.391	7.728	59.11639708
MASC932	122.25	4/13/2017 12:00	5.82	0.08	0.37	0	0	0	0	0	0	1	0	0.98	0.02	1	0	0	120.91	18.56	1.011	19.2383905
MAS78_Rev_Weir	129.23	4/13/2017 11:55	2.43	0	0.13	0	0	0	0	0	0	1	0	1	0	0.01	0	76.639	14.67	0.767	8.809	7.707331408
GROF77	132.82	4/13/2017 12:11	14.06	0.08	0.31	0	0	0	0	0	0	1	0.96	0	0	0	0	80.454	63.54	3.179	2.09	42.40238755
C_MAS1	1218.63	4/13/2017 12:21	6.82	0.19	0.5	0	0	0	0	0	0	1	0	0.97	0.03	0.46	0	130.476	511.45	32.309	2.383	106.0700545
C_MAS82	67.29	4/13/2017 12:00	3.04	0.07	0.41	0	0	0	0	0	0	1	0	0.03	0.97	0.02	0	107.149	9.59	0.047	7.017	165.1443625
C_MAS95_1	23.94	4/13/2017 12:00	2.33	0.02	0.21	0	0	0	0	0	0	1	0	0.95	0.05	0.42	0	73.033	3.62	0.022	6.613	22.89123932
C_MAS95_3	23.77	4/13/2017 12:00	1.75	0.02	0.24	0	0	0	0	0	0	1	0	1	0	0.99	0	84.534	3.62	0.022	6.566	45.58967537
C_MAS95_4	50.87	4/13/2017 12:00	2.64	0.04	0.28	0	0	0	0	0	0	1	0	0.33	0.67	0.26	0	87.83	7.14	0.022	7.125	34.58746622
C_7	185	4/13/2017 11:57	4.64	0	0.05	0	0	0	0	0	0	1	0.93	0	0	0	0	173.794	22.85	2.809	8.096	35.99907183
C_8	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	50.69	6.821	0	22.78399461
C661	125.56	4/13/2017 12:00	0.36	0	0.31	0	0	0	0	0	0	1	0	1	0	0.87	0	306.928	19.44	2.142	6.459	248.4625276
C_MAS55	205.87	4/13/2017 12:01	1.99	0.07	0.68	0	0.01	0.01	0.14	0.01	0.01	1	0	1	0	1	0	112.608	50.29	5.349	4.094	132.9962202
C11	7459.2	4/13/2017 13:48	6.85	0.43	0.87	0	0.01	0.01	1.94	0.01	0.01	1	0	1	0	0.96	0	250.337	766.97	33.04	9.726	338.9420986
C1116	57093.78	4/13/2017 15:14	6.11	0.37	0.91	0	0	0	0	0	0	1	0	1	0	0.06	0	985.468	3478.99	268.957	16.411	152.7138966
C_108	57046.98	4/13/2017 15:16	6.61	1.44	0.86	0	0.01	0.01	0.01	3.27	0.01	1	0	1	0	0	0	1091.03	3503.62	270.129	16.282	108.19683
C_MAS131	179.04	4/13/2017 11:55	7.95	0	0.09	0	0	0	0	0	0	1	0	0	1	0	0	49.726	22.96	3.226	7.798	43.96629108
C1010	39.32	4/13/2017 12:00	0.12	0	0.46	0	0	0	0	0	0	1	0	1	0	1	0	627.6	6.91	1.224	5.69	212.2104808
C210	310.6	4/13/2017 12:02	1.37	0.01	0.22	0	0	0	0	0	0	1	0	1	0	1	0	256.419	144.21	3.966	2.154	100.7945193

Conduits SWMM 100-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
3	56425.47	4/13/2017 15:23	13.29	0.98	0.82	0	0	0	0	0	0	1	0	0.68	0	0	0	364.856	2091.83	177.907	26.974	272.4340973
4	7532.95	4/13/2017 14:58	10.53	0.13	0.22	0	0	0	0	0	0	1	0.8	0	0	0	0	179.937	676.02	38.467	11.143	279.4289225
5	8877.44	4/13/2017 15:27	9.85	0.5	0.66	0	0	0	0	0	0	1	0.77	0	0	0	0	288.719	2232.33	191.465	3.977	445.1989957
6	1506.55	4/13/2017 15:09	8.11	1.15	0.99	0	0.01	0.68	0.01	1.23	0.01	1	0.77	0	0	0	0	87.647	693.14	41.121	2.174	604.4188819
C_1	8256.4	4/13/2017 13:30	6.39	0.44	0.88	0	0.01	0.01	0.77	0.01	0.01	1	0	1	0	0.35	0	200.526	5.68	0	1453.592	255.6570809
C_100	853.33	4/13/2017 12:06	3.78	0.04	0.28	0	0	0	0	0	0	1	0	1	0	0.96	0	78.811	141.25	11.396	6.041	107.0220487
C_101	439.69	4/13/2017 12:07	13.89	0.62	0.86	0	0.01	1.14	0.01	1.56	0.01	1.43	0	0	1	0	0	0	169.53	13.624	2.594	17.93943794
C_102	995.69	4/13/2017 12:07	9.25	0.04	0.27	0	0	0	0	0	0	1	0	0.69	0.31	1	0	91.771	169.53	13.624	5.873	38.28949218
C_110	64.47	4/13/2017 12:00	0.38	0	0.72	0	0	0	0	0	0	1	0	1	0	0.71	0	1049.342	7.94	0.401	8.12	19.02556442
C_117	8624.88	4/13/2017 13:43	2.98	0.29	0.99	0	0.01	0.01	2.16	0.01	0.01	1	0	1	0	0.28	0	517.098	643.06	25.39	13.412	95.28338008
C_118	8625.37	4/13/2017 13:43	8.5	0.65	0.82	0	0	0	0	0	0	1	0	1	0	0.19	0	138.781	643.06	25.39	13.413	132.0769117
C_119	8698.81	4/13/2017 13:32	9.25	0.4	0.67	0	0	0	0	0	0	1	0	1	0	0.28	0	236.793	588.3	24.617	14.786	187.9682415
C_122	581.49	4/13/2017 11:44	11.6	2.79	1	0	4.65	17.92	4.65	19.04	4.65	1	0	0.72	0.28	0	0.19	0	38.45	1.048	15.123	16.12935326
C_123	56.63	4/13/2017 12:00	0.26	0	0.98	0	0.01	0.01	8.44	0.01	0.01	1	0	1	0	0.27	0	206.64	7.82	0.638	7.242	26.40379445
C_124	96.1	4/13/2017 12:00	0.1	0	0.54	0	0	0	0	0	0	1	0	0.93	0	0.27	0	288.159	12	0	8.008	33.96620205
C_148	37806.69	4/13/2017 14:33	9.57	1.7	1	0	5.07	5.13	5.08	5.08	4.82	1	0	1	0	0	0	500	676.02	38.467	55.925	75.9930443
C_156	115.37	4/13/2017 11:55	0.61	0	0.51	0	0.01	0.01	3.31	0.01	0.01	1	0	1	0	1	0	104.686	11.44	1.002	10.085	81.80195593
C_3	8258.97	4/13/2017 13:30	5.1	0.71	1	0	0.77	0.77	1.57	0.01	0.01	1	0	1	0	0	0	243.74	12.65	0.227	652.883	166.2500155
C_4	8265.1	4/13/2017 13:30	5.33	0.25	0.98	0	0.01	0.01	1.57	0.01	0.01	1	0	1	0	0	0	231.992	27.61	0.406	299.352	25.19095239
C_9_91	7.59	4/13/2017 11:46	1.21	0.15	1	0	12.25	12.25	16.46	0.01	0.01	1	0	1	0	0.34	0	0	42.31	2.148	0.179	17.83556208
C_GR_001	383.94	4/13/2017 12:23	8.69	0.42	1	0	0.65	0.79	0.65	0.01	0.65	1.25	0	1	0	0.86	0	0	219.11	18.599	1.752	7.344238212
C_MAS042517	672.86	4/13/2017 12:09	2.1	0.05	0.51	0	0	0	0	0	0	1	0	1	0	1	0	477.898	256.244	4.15	2.626	1776.997682
C_MAS100	2198.86	4/13/2017 12:02	13.01	0.04	0.25	0	0	0	0	0	0	1	0	0.19	0.81	0.03	0	94.026	262.58	28.264	8.374	53.67965593
C_MAS101_1	1394.93	4/13/2017 12:00	8	0.02	0.25	0	0	0	0	0	0	1	0	1	0	0.97	0	76.697	163.21	14.185	8.547	49.68648434
C_MAS101_2	221.87	4/13/2017 12:00	4.01	0.11	0.92	0	0.01	0.01	0.11	0.01	0.01	1.06	0	1	0	0	1	0	166.62	14.97	1.332	13.31735521
C_MAS102	1624.03	4/13/2017 12:00	6.8	0.31	0.61	0	0	0	0	0	0	1	0	1	0	0.2	0	124.299	174.98	19.682	9.281	59.05699312
C_MAS103	665.68	4/13/2017 11:57	6.39	0.05	0.32	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	95.641	75.29	6.225	8.842	53.39045712
C_MAS105	145.94	4/13/2017 12:00	1.19	0	0.19	0	0	0	0	0	0	1	0	1	0	1	0	123.338	17.43	1.279	8.373	161.3321514
C_MAS106	188.74	4/13/2017 11:55	6.24	0	0.05	0	0	0	0	0	0	1	0	0.02	0.98	0.03	0	55.968	17.91	3.02	10.538	75.701422
C_MAS107	59.44	4/13/2017 12:23	3.11	0.01	0.18	0	0	0	0	0	0	1	0	1	0	1	0	43.003	29.58	2.195	2.009	110.0893608
C_MAS108_3	59.69	4/13/2017 11:56	11.08	0.67	0.73	0	0	0	0	0	0	1	0	0	1	0	0	0	19.6	1.215	3.045	16.68048609
C_MAS108_4	191.86	4/13/2017 11:56	5.35	0.01	0.22	0	0	0	0	0	0	1	0	0.94	0.06	1	0	43.805	19.6	1.215	9.789	124.6027062
C_MAS109	55.65	4/13/2017 11:58	9.95	0.9	0.78	0	0.01	2.69	0.01	0.01	0.01	1	0	0.1	0.9	0	0.61	0	117.17	9.563	0.475	13.86412432
C_MAS11	253.86	4/13/2017 12:01	12.67	0.78	0.93	0	0.01	0.01	0.01	1.59	0.01	1	0	0.01	0.99	0	0	0	263.68	23.114	0.963	41.42377148
C_MAS110	1048.49	4/13/2017 11:59	4.85	0.12	0.48	0	0	0	0	0	0	1	0	0.99	0.01	1	0	189.084	121.03	9.858	8.663	50.17012211
C_MAS111	1048.37	4/13/2017 11:59	10.17	0.01	0.1	0	0	0	0	0	0	1	0	0.59	0.41	0	0	71.194	121.03	9.858	8.662	35.9743266
C_MAS112	103.38	4/13/2017 11:55	13.06	0.28	0.42	0	0	0	0	0	0	1	0	0	1	0	0	0	18.97	1.818	5.45	18.58268059
C_MAS113	59.7	4/13/2017 12:23	5.44	0.44	0.55	0	0.01	0.99	0.01	0.01	0.01	1	0	0.22	0.78	0	0	0	29.58	2.195	2.018	12.28236808
C_MAS114	201.15	4/13/2017 12:11	0.5	0.01	0.74	0	0	0	0	0	0	1	0	1	0	0.81	0	403.539	27.07	1.87	7.431	45.13567757
C_MAS115	117.05	4/13/2017 12:03	8.93	0.43	0.8	0	0	0	0	0	0	1	0	0.18	0.82	0.07	0	0	23.9	1.737	4.897	15.60017093
C_MAS116	86.75	4/13/2017 12:14	5.54	0	0.08	0	0	0	0	0	0	1	0	0.03	0.97	0.01	0	47.829	28.26	1.431	3.07	55.99872394
C_MAS118	247.82	4/13/2017 12:00	4.25	0.01	0.26	0	0	0	0	0	0	1	0	1	0	1	0	76.522	26.52	5.878	9.345	54.99112408
C_MAS12	2452.68	4/13/2017 12:02	5.79	0.01	0.11	0	0	0	0	0	0	1	0	1	0	1	0	197	299.27	34.269	8.196	73.19257764
C_MAS121	315.38	4/13/2017 11:57	2.42	0.02	0.6	0	0.01	0.01	1	0.01	0.01	1.03	0	1	0	1	0	121.487	61.59	4.767	5.121	147.5208785
C_MAS124	35.12	4/13/2017 12:00	9.22	0.4	0.44	0	0	0	0	0	0	1	0	0.94	0.06	0	0	0	46.78	2.133	0.751	12.85634979
C_MAS125	1677.56	4/13/2017 12:13	12.35	0.01	0.19	0	0	0	0	0	0	1	0	0.8	0.2	0.99	0	80.041	451.66	30.671	3.714	30.68142556
C_MAS13	2424.81	4/13/2017 12:02	6.74	0	0.06	0	0	0	0	0	0	1	0	1	0	0	0	209.321	294.59	33.778	8.231	33.75027361
C_MAS136	138.95	4/13/2017 11:57	8.93	0.05	0.28	0	0	0	0	0	0	1	0	0	1	0	0	41.094	15.36	1.209	9.046	59.96885584
C_MAS14	2376.63	4/13/2017 12:02	6.92	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	215.808	286.63	32.198	8.292	98.3647377
C_MAS140	86.93	4/13/2017 12:13	14.09	0.6	0.64	0	0.01	1.3	0.01	0.01	0.01	1	0	0	1	0	0	0	28.26	1.431	3.076	15.78693309
C_MAS142	479.91	4/13/2017 11:59	5.92	0.01	0.22	0	0	0	0	0	0	1	0	0.11	0.89	0.2	0	73.697	70.57	6.55	6.8	205.6754237
C_MAS143	57.26	4/13/2017 11:55	1.09	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	109.697	6.24	0.645	9.176	131.5182141
C_MAS144	101.46	4/13/2017 11:55	7.87	0.06	0.21	0	0	0	0	0	0	1	0	0.84	0.16	0.98	0	0	10.33	1.147	9.822	33.01068998
C_MAS145	141.4	4/13/2017 11:55	3.89	0.01	0.16	0	0	0	0	0	0	1	0	0.16	0.84	0.97	0	63.533	15.36	1.209	9.206	161.8987431
C_MAS146	194.05	4/13/2017 11:56	5.14	0	0.04	0	0	0	0	0	0	1	0	0.98	0.02	1	0	68.615	22.38	2.873	8.671	102.3105169
C_MAS147	245.92	4/13/2017 12:00	2.85	0.03	0.41	0	0	0	0	0	0	1	0	1	0	1	0	65.297	80.23	8.576	3.065	100.2446787
C_MAS148	242.35	4/13/2017 11:57	0.97	0	0.27	0	0	0	0	0	0	1	0	1	0	1	0	436.3	28.04	3.579	8.643	100.5431636
C_MAS15	1443.73	4/13/2017 12:01	3.87	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	154.878	246.1	21.98	5.866	214.2560985
C_MAS151	138.52	4/13/2017 11:58	2.26	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	140.497	15.36	1.209	9.018	75.28839487
C_MAS152	248.31	4/13/2017 11:55	6.83	0.28	0.61	0	0	0	0	0	0	1	0	0	1	0.01	0	107.22	28.04	3.579	8.856	60.6963627
C_MAS155	92.47	4/13/2017 12:00	5.96	0.01	0.15	0	0	0	0	0	0	1	0	0.94	0.06	0.99	0	37.904	10.67	0.866	8.666	50.51715539
C_MAS156	122.79	4/13/2017 11:55	3.36	0.04	0.31	0	0	0	0	0	0	1	0	0.55	0.45	0.56	0	93.523	13.86	1.142	8.859	96.24052282
C_MAS157	904.06	4/13/2017 12:04	1.18	0	0.42	0	0	0	0	0	0	1	0	1	0	0.26	0	284.324	35.09	4.454	25.764	72.93025148
C_MAS158	149.17	4/13/2017 11:55	0.95	0	0.22	0	0	0	0	0	0	1	0	1	0	1	0	95.308	14	1.461	10.655	56.34030674
C_MAS159	49.54	4/13/2017 11:55	11.04	0.59	0.61	0	0.01	0.84	0.01	0.01	0.01	1	0	0	1	0	0	0	14	1.461	3.539	18.59893778
C_MAS16	299.7	4/13/2017 12:00	12.97	0.88	0.87	0	0.01	1.3	0.01	1.65	0.01	1	0	0	0	0	0	0	212.48	20.186	1.41	61.80334538
C_MAS160	147.11	4/13/2017 11:55	4.53	0	0.06	0	0	0	0	0	0	1	0	0.99	0.01	1	0	66.362	14	1.461	10.508	171.3144127
C_MAS161	273.53	4/13/2017 12:00	4.67	0.02	0.18	0	0	0	0	0	0	1	0	1	0	1	0	79.655	29.04	4.497	9.419	141.4845356
C_MAS162_1	133.22	4/13/2017 11:58	5.54	0	0.08	0	0	0	0	0	0	1	0	0	1	1	0	64.311	13.51	3.348	9.861	45.49247719
C_MAS162_2	182.11	4/13/2017 12:00	0.8	0	0.26	0	0	0	0	0	0	1	0	1	0	1	0	118.362	19.07	3.526	9.55	119.7694308

Conduits SWMM 100-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C_MAS163	64.26	4/13/2017 12:00	13.45	0.55	0.64	0	0.01	1.72	0.01	0.01	0.01	1	0	0	1	0	0	0	29.04	4.497	2.213	15.23192228
C_MAS164	173.96	4/13/2017 11:55	6.64	0	0.02	0	0	0	0	0	0	1	0	0.93	0.07	1	0	42.048	15.74	3.714	11.052	127.5449913
C_MAS165	286.98	4/13/2017 11:55	3.54	0.01	0.22	0	0	0	0	0	0	1	0	0.05	0.95	0.18	0	121.168	26.52	5.878	10.821	200.8874347
C_MAS166	151.35	4/13/2017 11:55	6.08	0	0.03	0	0	0	0	0	0	1	0	0.03	0.97	1	0	68.947	14.24	1.731	10.629	99.02068936
C_MAS167	149.17	4/13/2017 11:55	5.35	0	0.06	0	0	0	0	0	0	1	0	0.05	0.95	0.05	0	62.909	14.24	1.731	10.475	91.52905127
C_MAS168	268.28	4/13/2017 12:00	1.67	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	140.538	33.8	0.667	7.937	62.98177373
C_MAS169	428.65	4/13/2017 12:00	1.48	0	0.43	0	0	0	0	0	0	1.84	0	1	0	1	0	127.59	97.57	10.384	4.393	256.5140136
C_MAS17	2089.17	4/13/2017 12:01	7.64	0.01	0.15	0	0	0	0	0	0	1	0	1	0	0.96	0	129.386	245.55	26.232	8.508	77.578507
C_MAS170	207.16	4/13/2017 11:57	7.13	0	0.07	0	0	0	0	0	0	1	0	0	1	0	0	39.205	49.76	4.039	4.163	114.2284415
C_MAS171	315.63	4/13/2017 11:57	8.07	0	0.04	0	0	0	0	0	0	1	0	0.81	0.19	0.96	0	63.753	61.59	4.767	5.125	140.4657336
C_MAS174	1651.41	4/13/2017 12:02	13.49	0.01	0.18	0	0	0	0	0	0	1	0	0.82	0.18	0.75	0	79.684	280.94	24.018	5.878	85.81932913
C_MAS175	1649.14	4/13/2017 12:03	3.36	0.01	0.26	0	0	0	0	0	0	1	0	1	0	1	0	234.722	287.83	24.269	5.73	266.2516222
C_MAS18	1367.02	4/13/2017 12:00	9.39	0	0.11	0	0	0	0	0	0	1	0	0	1	0.01	0	61.345	159.9	13.783	8.549	57.10633968
C_MAS19	1304.53	4/13/2017 12:00	8.17	0	0.1	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	89.145	151.8	11.61	8.594	46.29669037
C_MAS2	1731.77	4/13/2017 12:14	6.56	0.01	0.11	0	0	0	0	0	0	1	0	1	0	1	0	126.688	481.42	32.26	3.597	77.50610474
C_MAS20	1238.75	4/13/2017 12:00	7.92	0	0.09	0	0	0	0	0	0	1	0	0	1	0.07	0	147.76	143.58	11.415	8.628	64.65104058
C_MAS21	828.09	4/13/2017 12:01	6.56	0.02	0.18	0	0	0	0	0	0	1	0	1	0	0.21	0	84.059	137.84	16.696	6.008	154.0571608
C_MAS22	1587.35	4/13/2017 12:00	8.44	0.01	0.15	0	0	0	0	0	0	1	0	0.98	0.02	0.98	0	103.322	169.92	19.398	9.342	139.876999
C_MAS23	1178.9	4/13/2017 12:00	10.39	0.01	0.22	0	0	0	0	0	0	1	0	0	1	0.01	0	66.651	124.81	10.642	9.446	60.49465891
C_MAS24	1092.63	4/13/2017 12:00	5.28	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	179.426	126.23	9.905	8.656	119.5828772
C_MAS25	42.01	4/13/2017 12:00	8.97	0.68	0.63	0	0.01	0.25	0.01	0.01	0.01	1	0	0	1	0	0	0	97.57	10.384	0.431	26.92170775
C_MAS26	629.06	4/13/2017 12:00	2.31	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	209.297	78.48	3.522	8.016	210.5014474
C_MAS27	624.93	4/13/2017 12:00	2.8	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	168.179	114.1	13.921	5.477	175.7077301
C_MAS28_1	228.62	4/13/2017 12:01	3.34	0	0.04	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	178.209	60.86	5.884	3.756	105.0558864
C_MAS28_2	73.63	4/13/2017 12:19	10.46	0.96	1	0	0.15	1.37	0.25	0.01	0.15	1	0	1	0	0.93	0	0	60.86	5.884	1.21	32.04684287
C_MAS29	816.21	4/13/2017 11:58	3.65	0.01	0.12	0	0	0	0	0	0	1	0	1	0	0.45	0	159.803	82.04	6.94	9.949	126.9878542
C_MAS3	1715.62	4/13/2017 12:14	7.8	0.01	0.1	0	0	0	0	0	0	1	0	1	0	0	0	109.127	471.43	32.105	3.639	101.8931368
C_MAS30	515.17	4/13/2017 12:00	5.77	0	0.06	0	0	0	0	0	0	1	0	0.99	0.01	1	0	96.706	101.08	11.965	5.097	24.90548457
C_MAS31	245.48	4/13/2017 12:00	4.5	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	70.648	72.04	7.467	3.408	49.88738827
C_MAS32	942.41	4/13/2017 11:58	2.78	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	165.589	108.44	8.975	8.691	111.1857436
C_MAS33	97.5	4/13/2017 12:00	5.08	0.01	0.14	0	0	0	0	0	0	1	0	0.75	0.25	0.63	0	35.254	11.12	0.034	8.768	88.29540461
C_MAS34	505.04	4/13/2017 12:00	6.2	0	0.08	0	0	0	0	0	0	1	0	0.92	0.08	0.78	0	109.651	62.6	3.475	8.068	147.3623826
C_MAS35	642.53	4/13/2017 11:57	8.72	0	0.09	0	0	0	0	0	0	1	0	0.9	0.1	0.95	0	66.716	64.43	4.211	9.973	133.4389115
C_MAS36	65.1	4/13/2017 11:53	11.77	1.28	1	0	0.32	2.42	0.32	2.62	0.32	1	0	0.02	0.98	0.58	0	0	59.69	5.597	1.091	12.74008424
C_MAS37	556.75	4/13/2017 11:57	4.47	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	121.987	63.16	5.486	8.815	98.06638244
C_MAS38	143.84	4/13/2017 12:00	3.42	0	0.1	0	0	0	0	0	0	1	0	0.07	0.93	0.03	0	124.533	61.33	6.808	2.345	171.4645461
C_MAS39	425.09	4/13/2017 12:00	10.73	0	0.12	0	0	0	0	0	0	1	0	0	1	0	0	59.134	53.4	3.245	7.96	106.3760079
C_MAS4	1400.78	4/13/2017 12:11	5.62	0.01	0.22	0	0	0	0	0	0	1	0	1	0	0.05	0	185.226	363.16	27.125	3.857	102.654184
C_MAS40	331.28	4/13/2017 12:00	3.28	0.01	0.23	0	0	0	0	0	0	1	0	1	0	1	0	134.414	38.49	3.539	8.607	120.0630684
C_MAS41	346.69	4/13/2017 11:55	1.09	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	161.295	54.61	4.482	6.348	105.9201318
C_MAS42	454.47	4/13/2017 11:56	8.19	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	57.269	51.77	5.179	8.779	143.1797577
C_MAS43	371.85	4/13/2017 12:00	2.57	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	154.592	46.78	2.133	7.949	76.68330518
C_MAS44	292.7	4/13/2017 12:00	5.72	0	0.06	0	0	0	0	0	0	1	0	0	1	1	0	70.87	34.2	2.81	8.558	59.5039045
C_MAS45	265.94	4/13/2017 12:00	2.1	0.02	0.56	0	0	0	0	0	0	1	0	1	0	1	0	208.379	32.35	0.897	8.221	319.3080002
C_MAS46	194.56	4/13/2017 11:56	4.55	0.3	0.64	0	0	0	0	0	0	1	0	0.05	0.95	0.07	0	92.151	22.38	2.873	8.693	42.72056374
C_MAS47	317.25	4/13/2017 11:56	3.58	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	98.54	31.66	2.788	10.021	163.1655523
C_MAS48	184.67	4/13/2017 12:00	5.21	0.01	0.15	0	0	0	0	0	0	1	0	0.01	0.99	0.03	0	71.268	22.67	1.802	8.146	79.07059184
C_MAS49	390.25	4/13/2017 11:56	2.39	0	0.2	0	0	0	0	0	0	1	0	1	0	1	0	119.847	38.99	3.296	10.009	255.8423313
C_MAS5	2700.62	4/13/2017 12:05	4.03	0	0.07	0	0	0	0	0	0	1	0	1	0	0.02	0	304.114	351.02	38.361	7.694	136.7470435
C_MAS50	181.77	4/13/2017 12:00	5.17	0.03	0.36	0	0	0	0	0	0	1	0	1	0	0.91	0	39.024	22.36	3.45	8.129	71.26064963
C_MAS51	165.92	4/13/2017 11:55	4.43	0	0.01	0	0	0	0	0	0	1	0	0.95	0.05	0.99	0	87.941	18.71	2.698	8.868	103.1104444
C_MAS52	165	4/13/2017 11:55	3.28	0.01	0.19	0	0	0	0	0	0	1	0	1	0	1	0	91.486	17.88	0.594	9.228	81.18305732
C_MAS53	322.28	4/13/2017 11:55	4.89	0	0.04	0	0	0	0	0	0	1	0	0.01	0.99	0	0	97.201	31.66	2.788	10.179	76.39122859
C_MAS54	13.54	4/13/2017 12:00	9.73	0.62	0.9	0	0.01	3.15	0.01	0.01	0.01	1	0	0.11	0.89	0	1	0	22.67	1.802	0.597	20.35471619
C_MAS56	184.93	4/13/2017 12:00	1.84	0.04	0.51	0	0	0	0	0	0	1	0	1	0	1	0	109.328	22.33	0.049	8.282	93.20040738
C_MAS57	206.6	4/13/2017 11:55	7.08	0	0.07	0	0	0	0	0	0	1	0	0.95	0.05	1	0	50.846	22.96	3.226	8.998	91.69725169
C_MAS58	350.63	4/13/2017 12:00	6.51	0.01	0.11	0	0	0	0	0	0	1	0	0.81	0.19	0.02	0	79.785	42.11	1.464	8.327	149.5652965
C_MAS6	1421.58	4/13/2017 12:09	6.5	0.06	0.37	0	0	0	0	0	0	1	0	1	0	1	0	179.701	349.84	26.88	4.064	195.0624283
C_MAS60	218.46	4/13/2017 11:55	9.69	0	0.03	0	0	0	0	0	0	1	0	0.92	0.08	0.94	0	28.152	23.46	2.514	9.312	105.5117433
C_MAS61_1	285.57	4/13/2017 11:55	0.88	0	0.17	0	0	0	0	0	0	1	0	1	0	0.96	0	170.33	26.51	3.59	10.772	67.78091019
C_MAS61_2	73.12	4/13/2017 11:51	10.52	0.95	1	0	1.68	1.79	9.09	0.01	0.11	1	0	0.66	0.34	0.7	0	0	32.49	4.147	2.251	32.36845735
C_MAS62	105.51	4/13/2017 11:55	1.63	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	84.957	9.78	1.979	10.788	145.9335497
C_MAS63	162.12	4/13/2017 11:56	2.73	0	0.09	0	0	0	0	0	0	1	0	1	0	0.99	0	152.265	17.35	1.509	9.344	114.4986979
C_MAS64	159.91	4/13/2017 12:00	1.28	0	0.19	0	0	0	0	0	0	1	0	1	0	1	0	106.906	19.96	1.713	8.012	82.33052068
C_MAS66	86.25	4/13/2017 11:55	1.08	0.01	0.34	0	0	0	0	0	0	1	0	1	0	1	0	98.139	8.33	1.033	10.354	176.9478634
C_MAS67	242.47	4/13/2017 11:55	0.86	0	0.22	0	0	0	0	0	0	1	0	1	0	1	0	143.92	24.59	0.4	9.861	77.2983493
C_MAS68_1	130.95	4/13/2017 11:55	4.61	0	0.03	0	0	0	0	0	0	1	0	1	0	0.94	0	32.544	12.98	1.777	10.089	25.37677913
C_MAS68_2	161.62	4/13/2017 11:55	4.95	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	36.055	16.18	2.052	9.989	102.1964261
C_MAS69_1	175.34	4/13/2017 11:56	2.98	0.05	0.55	0	0	0	0	0	0	1	0	1	0	1	0	91.568	17.65	2.83	9.934	100.2685568
C_MAS69_2	138.62	4/13/2017 12:01	12.19	0.68	0.77	0	0.01	0.14	0.01	0.3	0.01	1	0	0	1	0	0	0	17.65	2.83	7.854	18.27569272

Conduits SWMM 100-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C_MAS7	254.35	4/13/2017 12:09	14.1	0.87	0.97	0	0.01	2.86	0.01	3.28	0.01	1	0	0.01	0.99	0	0	0	343.83	26.264	0.74	22.05625486
C_MAS70	176.81	4/13/2017 11:55	1.76	0.01	0.32	0	0	0	0	0	0	1	0	1	0	1	0	87.398	18.97	1.818	9.321	26.18314109
C_MAS71	115.51	4/13/2017 11:55	4.18	0.01	0.17	0	0	0	0	0	0	1	0	0.41	0.59	1	0	49.788	11.51	1.042	10.036	166.49377
C_MAS73	225.6	4/13/2017 11:56	5.98	0.01	0.13	0	0	0	0	0	0	1	0	0	1	0	0	60.406	26.14	1.05	8.63	99.31026742
C_MAS74	219.08	4/13/2017 11:55	5.25	0	0.03	0	0	0	0	0	0	1	0	0.98	0.02	1	0	52.134	20.64	2.269	10.614	164.4272771
C_MAS75	212.34	4/13/2017 11:55	5.12	0	0.04	0	0	0	0	0	0	1	0	0.98	0.02	1	0	59.306	20.92	0.34	10.15	37.62653763
C_MAS76	247.52	4/13/2017 11:56	2.62	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	107.635	23.09	1.229	10.72	240.8500144
C_MAS77	456.14	4/13/2017 11:55	6.74	0.07	0.34	0	0	0	0	0	0	1	0	0	1	0.05	0	80.87	51.77	5.179	8.811	44.29598377
C_MAS78	45.76	4/13/2017 11:58	9.94	0.82	0.62	0	0.01	0.79	0.01	0.01	0.01	1	0	0	1	0	0	0	11.76	2.888	3.891	27.74191548
C_MAS79	92.61	4/13/2017 12:00	6.56	0	0.08	0	0	0	0	0	0	1	0	0.01	0.99	0.03	0	32.95	10.67	0.866	8.679	47.21711629
C_MAS8	2610.92	4/13/2017 12:03	9.15	0	0.1	0	0	0	0	0	0	1	0	0.98	0.02	0.99	0	157.203	328.2	37.485	7.955	76.40556648
C_MAS80	128.84	4/13/2017 11:55	4.79	0	0.08	0	0	0	0	0	0	1	0	0.99	0.01	1	0	45.921	13.51	1.295	9.537	97.28608491
C_MAS81	104.26	4/13/2017 11:55	6.38	0	0.04	0	0	0	0	0	0	1	0	0.02	0.98	0.87	0	37.24	10.2	0.131	10.222	50.99364714
C_MAS83	81.41	4/13/2017 12:00	0.87	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	200.032	9.26	1.126	8.792	136.1405258
C_MAS84	87.88	4/13/2017 11:55	4.35	0	0.02	0	0	0	0	0	0	1	0	0.54	0.46	1	0	32.874	8.11	1.078	10.836	69.55755202
C_MAS85	147.44	4/13/2017 11:55	3.19	0	0.03	0	0	0	0	0	0	1	0	0.97	0.03	1	0	83.054	14.62	2.281	10.085	93.67955491
C_MAS86	108.14	4/13/2017 11:55	0.52	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	167.194	10.27	2.434	10.53	58.66021066
C_MAS87	81.84	4/13/2017 12:00	3.69	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	53.284	10.31	1.137	7.938	135.2008989
C_MAS88	179.69	4/13/2017 11:55	3.84	0	0.04	0	0	0	0	0	0	1	0	0.98	0.02	1	0	63.792	15.81	1.102	11.366	101.3504289
C_MAS89	327.78	4/13/2017 11:55	5.21	0.03	0.25	0	0	0	0	0	0	1	0	0.99	0.01	1	0	77.097	38.47	4.111	8.52	53.1919305
C_MAS9	2547.88	4/13/2017 12:02	6.13	0.01	0.1	0	0	0	0	0	0	1	0	1	0	1	0	192.019	315.21	35.445	8.083	106.3752608
C_MAS90	144.94	4/13/2017 11:56	5.13	0	0.04	0	0	0	0	0	0	1	0	0.21	0.79	0.98	0	53.869	14.67	0.767	9.88	260.5380836
C_MAS92	75.83	4/13/2017 11:55	3.24	0	0.03	0	0	0	0	0	0	1	0	0.96	0.04	1	0	82.748	7.08	1.815	10.71	44.84152175
C_MAS93	126.21	4/13/2017 11:55	4.13	0	0.1	0	0	0	0	0	0	1	0	0.16	0.84	0.37	0	51.078	14.5	0.811	8.704	154.8969064
C_MAS94	137.5	4/13/2017 11:55	4.14	0.02	0.18	0	0	0	0	0	0	1	0	0.01	0.99	0.06	0	69.47	16.41	1.442	8.379	20.77832765
C_MAS96	76.63	4/13/2017 11:55	3.23	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	58.552	7.95	0.98	9.639	68.77161837
C_MAS97	136.8	4/13/2017 11:55	1.06	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	214.99	14.99	0.879	9.126	131.3779806
C_MAS98	2679.1	4/13/2017 12:03	5.46	0.02	0.17	0	0	0	0	0	0	1	0	1	0	0.04	0	254.437	336.64	37.906	7.958	251.0841673
C_MAS99	1560.01	4/13/2017 12:02	6.6	0.02	0.25	0	0	0	0	0	0	1	0	1	0	0.98	0	126.96	266.58	23.157	5.852	31.25805122
C1	65972.52	4/13/2017 15:27	9.65	1.28	1	0	4.13	4.13	4.17	3.41	3.41	1	0	1	0	0	0	917.45	3582.93	274.53	18.413	35.65413971
C100	1118.09	4/13/2017 12:00	15.43	0.71	0.94	0	0.01	1.18	3.61	1.88	0.01	1	0	0.26	0.74	0.08	0	0	557.95	64.942	2.004	25.96101939
C1002	127.52	4/13/2017 11:55	10.63	0	0.06	0	0	0	0	0	0	1	0	0.79	0.21	0.9	0	24.015	12.05	1.231	10.583	167.0154268
C1005	50.52	4/13/2017 12:00	0.8	0	0.05	0	0	0	0	0	0	1	0	0.81	0.19	0.98	0	152.646	6.01	0	8.406	83.20940672
C1006	103.59	4/13/2017 11:56	1.02	0	0.22	0	0	0	0	0	0	1	0	1	0	1	0	78.382	10.73	0.848	9.654	114.2036935
C1008	109.97	4/13/2017 12:00	1	0.01	0.18	0	0	0	0	0	0	1	0	1	0	1	0	228.898	13.81	0	7.963	101.1996715
C101	638.56	4/13/2017 12:29	3.41	0.01	0.17	0	0	0	0	0	0	1	0	1	0	1	0	182.258	400.64	16.31	1.594	84.12244562
C1013	52.04	4/13/2017 13:06	0.08	0	0.69	0	0.01	0.01	11.55	0.01	0.01	1	0	1	0	0.91	0	410.545	7.33	0.247	7.1	100.721408
C1018	61.94	4/13/2017 12:00	2.46	0.01	0.2	0	0	0	0	0	0	1	0	1	0	0.15	0	72.601	7.6	1.175	8.15	26.97037232
C1019	80.21	4/13/2017 12:00	1.63	0	0.04	0	0	0	0	0	0	1	0	0.43	0.57	0.51	0	111.335	9.48	0.87	8.461	270.6778555
C102	554	4/13/2017 12:18	6.19	0.28	0.66	0	0	0	0	0	0	1	0	0	0	0	0	94.662	177.14	7.223	3.127	14.50396621
C102_1	585.75	4/13/2017 12:17	4.63	0.08	0.43	0	0	0	0	0	0	1	0	1	0	1	0	67.596	177.14	7.223	3.307	158.9320858
C102_3	31.79	4/13/2017 12:17	5.47	0.99	0.77	0	0.01	0.01	0.74	0.01	0.01	1	0	1	0	0	0	0	177.14	7.223	0.179	10.07967313
C102_4	585.73	4/13/2017 12:18	6.31	0.05	0.35	0	0	0	0	0	0	1	0	1	0	1	0	58.245	177.14	7.223	3.307	92.41661199
C1022	104.75	4/13/2017 11:55	8.59	0	0.04	0	0	0	0	0	0	1	0	0.01	0.99	1	0	41.629	9.63	0.915	10.877	56.1684722
C1024	76.54	4/13/2017 12:00	0.75	0	0.29	0	0	0	0	0	0	1	0	1	0	1	0	434.786	8.91	0.468	8.59	109.9638358
C1025	40.68	4/13/2017 11:59	0.59	0	0.13	0	0	0	0	0	0	1	0	1	0	0.96	0	149.926	6.55	0.054	6.211	113.1207088
C1026	78.14	4/13/2017 12:00	0.97	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	129.101	8.77	0.128	8.91	187.8598095
C1029	167.04	4/13/2017 11:55	5.76	0	0.04	0	0	0	0	0	0	1	0	0.03	0.97	1	0	55.163	15.96	2.793	10.466	65.61683333
C103	1201.74	4/13/2017 13:08	4.86	0.07	0.45	0	0	0	0	0	0	1	0	1	0	1	0	108.178	1470.98	32.095	0.817	178.5957232
C1030	67.98	4/13/2017 11:55	4.92	0	0.12	0	0	0	0	0	0	1	0	0.98	0.02	0.16	0	24.016	7.48	0.476	9.088	62.56276668
C1032	27.84	4/13/2017 11:55	1.31	0.01	0.22	0	0	0	0	0	0	1	0	1	0	1	0	71.732	3.13	0.756	8.895	22.78491269
C1037	177.99	4/13/2017 11:55	3.85	0	0.04	0	0	0	0	0	0	1	0	0.94	0.06	1	0	101.841	17.68	1.958	10.067	139.5464772
C1038	58.86	4/13/2017 11:58	1.49	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	136.992	6.3	0.098	9.343	156.9139468
C104	427.27	4/13/2017 12:01	2.23	0	0.04	0	0	0	0	0	0	1	0	1	0	0.99	0	478.646	81.12	2.737	5.267	261.6141289
C104_1	22791.59	4/13/2017 15:58	9.82	4.87	0.78	0	0.01	0.01	0.01	7.88	0.01	1	0	1	0	0	0	519.246	249.46	14.215	91.364	189.991246
C104_2	22782.23	4/13/2017 15:59	12.99	0.23	0.72	0	0	0	0	0	0	1	0	0.94	0.06	0.33	0	441.803	520.27	38.604	43.789	63.51776781
C1042	67.08	4/13/2017 11:55	2.63	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	80.214	7.23	0.606	9.278	136.3987378
C1044	134.49	4/13/2017 11:55	5.14	0	0.07	0	0	0	0	0	0	1	0	0	1	0.04	0	55.072	13.76	1.45	9.774	98.31669329
C1045	116.31	4/13/2017 12:00	5.92	0.06	0.3	0	0	0	0	0	0	1	0	0.02	0.98	0.02	0	38.815	14.65	0.844	7.939	126.5614761
C1047	407.42	4/13/2017 12:59	0.08	0	0.66	0	0	0	0	0	0	1	0	1	0	0.42	0	2260.292	6.26	0	65.083	105.6558867
C1048	60.2	4/13/2017 11:59	0.27	0	0.26	0	0	0	0	0	0	1	0	1	0	1	0	128.268	6.42	0.138	9.377	147.0528042
C104MAS	72.19	4/13/2017 12:03	5.67	0.24	0.49	0	0	0	0	0	0	1	0	0.93	0.07	0.9	0	0	30.78	1.792	2.345	16.20994649
C105	1201.67	4/13/2017 13:06	2.8	0.05	0.41	0	0	0	0	0	0	1	0	1	0	0.86	0	257.642	1468.58	32.095	0.818	71.95812332
C1050_1	107.6	4/13/2017 11:55	1.46	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	96.393	11.64	1.097	9.244	127.5331789
C1050_2	53.27	4/13/2017 12:09	0.74	0	0.3	0	0	0	0	0	0	1	0	1	0	1	0	206.794	11.64	1.097	4.576	115.5785272
C1050_3	53.32	4/13/2017 12:07	8.2	0.31	0.55	0	0.01	0.24	0.01	0.01	0.01	1	0	0.01	0.99	0	0	0	11.64	1.097	4.581	21.13051429
C1050_4	20.1	4/13/2017 12:51	7.14	0.48	0.56	0	0.01	1.63	0.01	0.01	0.01	1	0	0	1	0	0	0	11.64	1.097	1.727	18.75848333
C1050_6	20.1	4/13/2017 12:53	1.53	0	0.08	0	0	0	0	0	0	1	0	0.25	0.75	0.15	0	79.458	11.64	1.097	1.727	140.5551877
C1052	46.1	4/13/2017 12:00	0.89	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	202.56	7.06	0.861	6.53	182.032511
C1053	107.83	4/13/2017 11:55	1.67	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	113.474	10.73	0.848	10.049	32.29938322

Conduits SWMM 100-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C1056	50.81	4/13/2017 12:00	1.6	0	0.41	0	0	0	0	0	0	1	0	1	0	0.93	0	419.356	7.33	0.247	6.932	34.03687906
C1058	76.88	4/13/2017 11:55	4.46	0	0.06	0	0	0	0	0	0	1	0	0.04	0.96	0.07	0	35.057	8.11	0.85	9.48	62.15875579
C1058MAS	127.52	4/13/2017 11:57	6.03	0	0.06	0	0	0	0	0	0	1	0	0	1	0.02	0	35.057	13.83	3.044	9.221	62.15875579
C1059	190.99	4/13/2017 11:55	3.29	0.06	0.66	0	0.01	0.01	11.24	0.01	0.01	1	0	1	0	0.93	0	37.291	24.1	1.565	7.925	35.53786437
C106	540.42	4/13/2017 12:16	2.77	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	227.993	160.06	5.898	3.376	36.28243121
C1060	107.98	4/13/2017 11:55	2.9	0	0.08	0	0	0	0	0	0	1	0	0.11	0.89	0	0	99.748	11.13	1.755	9.702	46.36631247
C1064	148.23	4/13/2017 12:00	1.06	0.01	0.2	0	0	0	0	0	0	1	0	1	0	1	0	287.909	18.28	1.363	8.109	89.14545344
C107	625.41	4/13/2017 12:26	1.2	0.01	0.38	0	0	0	0	0	0	1	0	1	0	0.85	0	424.476	388.08	14.38	1.612	140.2705732
C1071	108.19	4/13/2017 12:00	1.35	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	130.615	13.02	0.028	8.31	104.8904713
C1074	84.97	4/13/2017 11:55	1.84	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	96.922	8.01	0.953	10.608	17.89312618
C1077	65.74	4/13/2017 11:56	2.75	0	0.1	0	0	0	0	0	0	1	0	0.03	0.97	0.03	0	54.21	7.59	0.806	8.661	210.1136038
C1078	31.17	4/13/2017 12:00	1.32	0	0.04	0	0	0	0	0	0	1	0	1	0	0.32	0	128.911	4.91	0.289	6.348	89.59608087
C108	19.2	4/13/2017 12:00	7.98	0.87	0.8	0	0.01	0.57	0.01	0.01	0.01	1	0	0.01	0.99	0	0	0	44.12	4.437	0.435	22.49134274
C108_1	283.03	4/13/2017 12:01	9.65	0	0.1	0	0	0	0	0	0	1	0.84	0	0	0	0	95.288	44.12	4.437	6.415	23.63096731
C108_3	291.87	4/13/2017 12:03	0.9	0.02	0.62	0	0.01	0.01	1.81	0.01	0.01	1	0	1	0	1	0	448.237	44.12	4.437	6.615	209.8203606
C108_4	971.42	4/13/2017 12:26	7.33	0.44	0.92	0	0.01	0.01	3.42	4.09	0.01	1	0	1	0	0	0	0	1990.45	52.764	0.488	22.63773466
C1082	72.29	4/13/2017 12:00	3.75	0.01	0.2	0	0	0	0	0	0	1	0	0	1	0	0	64.7	9.3	0.517	7.773	164.7464878
C1083	120.41	4/13/2017 12:00	0.49	0	0.41	0	0	0	0	0	0	1	0	1	0	1	0	93.873	16.58	2.221	7.262	140.865769
C1084	11.34	4/13/2017 11:55	0.32	0	0.05	0	0	0	0	0	0	1	0	1	0	0.99	0	53.133	0	0	0	46.57938731
C1085	57.02	4/13/2017 12:00	2.4	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	75.35	7.22	0	7.898	105.841761
C1086	87.4	4/13/2017 12:00	1.46	0.01	0.1	0	0	0	0	0	0	1	0	1	0	0.95	0	224.58	9.61	0.626	9.095	50.32066099
C109_1	45385.2	4/13/2017 14:33	9.04	0.06	0.41	0	0	0	0	0	0	1	0	1	0	0.43	0	431.866	456.3	23.87	99.464	262.7382319
C109_2	45384.77	4/13/2017 14:34	9.72	0.03	0.4	0	0	0	0	0	0	1	0	1	0	0	0	424.959	552.76	30.156	82.106	43.22506291
C1090_2MAS	101.93	4/13/2017 11:55	2.23	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	89.537	9.01	1.501	11.313	38.78147154
C1090_3MAS	32.97	4/13/2017 11:55	10.25	0.76	0.62	0	0.01	0.66	0.01	0.01	0.01	1	0	0	1	0	0	0	9.01	1.501	3.659	15.59843263
C1090_4MAS	102.96	4/13/2017 11:55	4.29	0	0.04	0	0	0	0	0	0	1	0	0.99	0.01	1	0	54.288	9.01	1.501	11.427	70.95981692
C1094	168.7	4/13/2017 11:55	4.21	0	0.03	0	0	0	0	0	0	1	0	0.99	0.01	1	0	72.355	15.96	2.793	10.57	50.59601092
C1098	68.63	4/13/2017 11:55	3.89	0	0.05	0	0	0	0	0	0	1	0	0.99	0.01	1	0	46.459	7.59	0.806	9.042	16.48661161
C110	345.38	4/13/2017 12:28	11.05	1.25	0.76	0	0.01	2.73	0.01	3.99	0.01	1	0	0	1	0	0	0	396.18	15.51	0.872	22.55410422
C1103	75.9	4/13/2017 11:55	2.95	0	0.03	0	0	0	0	0	0	1	0	0.89	0.11	1	0	88.133	7.39	1.043	10.271	125.9376936
C1105	30.35	4/13/2017 12:00	2.61	0	0.05	0	0	0	0	0	0	1	0	0.13	0.87	0.51	0	26.824	3.79	0.497	8.008	28.9085687
C111	181.57	4/13/2017 12:00	1.18	0.02	0.38	0	0	0	0	0	0	1	0	1	0	1	0	186.111	23.14	1.461	7.847	171.2125289
C1111	22.82	4/13/2017 12:00	0.45	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	186.043	3.74	0.28	6.102	49.05455827
C1113	49.1	4/13/2017 12:00	1.45	0	0.12	0	0	0	0	0	0	1	0	1	0	0.9	0	138.03	7.99	0.939	6.145	152.4444202
C1115	62.07	4/13/2017 11:55	0.44	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	100.987	6.88	0.612	9.022	134.6973729
C1117	8704.19	4/13/2017 13:45	8.81	0.4	0.69	0	0	0	0	0	0	1	0	1	0	0.27	0	258.466	733.72	31.25	11.863	207.719163
C1118	8656.79	4/13/2017 13:37	6.81	0.56	0.9	0	0	0	0	0	0	1	0	1	0	0	0	527.155	618.01	24.663	14.008	128.7753256
C1119	8270.79	4/13/2017 13:31	6.31	0.33	0.68	0	0	0	0	0	0	1	0	1	0	0.68	0	250.199	50.3	1.709	164.429	248.9862777
C112	45393.86	4/13/2017 14:32	5.7	0.1	0.47	0	0	0	0	0	0	1	0	1	0	0	0	556.433	441.33	23.472	102.857	126.5717088
C1120	8255.44	4/13/2017 13:30	11.5	0.12	0.46	0	0	0	0	0	0	1	0	0.82	0.18	0.8	0	127.749	0	0	0	130.2074398
C1121	45339.36	4/13/2017 14:38	9.46	0.27	0.77	0	0	0	0	0	0	1	0	1	0	0.18	0	472.461	616.6	34.617	73.531	25.97577168
C1122	1371.11	4/13/2017 12:20	9.77	0.01	0.16	0	0	0	0	0	0	1	0	0.75	0.25	0	0	74.801	1637.95	37.221	0.837	126.6783642
C1123	45363.42	4/13/2017 14:37	11.48	0.16	0.43	0	0	0	0	0	0	1	0	1	0	0.03	0	400.377	594.66	33.302	76.285	203.2019753
C1124	1243.13	4/13/2017 13:14	3.03	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	201.203	1532.58	32.968	0.811	75.83501991
C1125	1243.25	4/13/2017 13:13	4.57	0.01	0.12	0	0	0	0	0	0	1	0	1	0	0.06	0	158.284	1532.58	32.968	0.811	66.21050872
C1127	1198.83	4/13/2017 13:05	3.85	0.02	0.26	0	0	0	0	0	0	1	0	1	0	0.98	0	193.693	1460.15	32.095	0.821	61.49793485
C1129	45423.28	4/13/2017 14:31	11.19	0.16	0.4	0	0	0	0	0	0	1	0	1	0	0.01	0	409.023	401.95	21.079	113.007	116.7756267
C113	719.41	4/13/2017 12:10	3.03	0.01	0.24	0	0	0	0	0	0	1	0	1	0	0.9	0	231.966	381.42	14.371	1.886	86.70767833
C1130	22875.45	4/13/2017 15:53	8.97	0.32	0.71	0	0	0	0	0	0	1	0	1	0	0.4	0	317.401	210.63	13.23	108.605	206.0945883
C1131	45367.16	4/13/2017 14:30	12.38	0.19	0.43	0	0	0	0	0	0	1	0	1	0	0	0	342.464	263.32	9.948	172.289	43.97229413
C1133	3604.43	4/13/2017 12:03	4.26	0	0.22	0	0	0	0	0	0	1	0	0.99	0.01	0.73	0	548.506	572.4	68.021	6.297	212.6397409
C1134	1116.52	4/13/2017 13:00	3.89	0.02	0.27	0	0	0	0	0	0	1	0	1	0	1	0	212.512	1363.61	28.637	0.819	197.0981842
C1140	1117.6	4/13/2017 12:49	4.28	0.04	0.29	0	0	0	0	0	0	1	0	0.93	0.07	0.01	0	389.644	1333.52	27.051	0.838	22.8517174
C1142	395.79	4/13/2017 12:00	2.66	0.03	0.19	0	0	0	0	0	0	1	0	1	0	0.86	0	160.143	144.21	3.966	2.745	97.30277015
C1146	1029.22	4/13/2017 12:03	3.29	0	0.21	0	0	0	0	0	0	1	0	1	0	1	0	96.203	120.91	18.56	8.512	599.4957905
C1148	219.11	4/13/2017 12:11	1.95	0.01	0.16	0	0	0	0	0	0	1	0	1	0	0.27	0	265.96	40.39	2.452	5.425	228.382814
C115	1197.43	4/13/2017 13:04	4.04	0.01	0.2	0	0	0	0	0	0	1	0	1	0	0	0	229.785	1456.34	32.095	0.822	159.0478956
C1150	344.74	4/13/2017 12:12	2.13	0.04	0.36	0	0	0	0	0	0	1	0	1	0	1	0	379.734	96.94	3.681	3.556	73.54189162
C1153	119.65	4/13/2017 12:05	3.18	0.01	0.16	0	0	0	0	0	0	1	0	0.17	0.83	0.12	0	81.91	22.56	0.587	5.304	119.436237
C1155	1060.68	4/13/2017 11:58	7.03	0.01	0.12	0	0	0	0	0	0	1	0	1	0	1	0	75.749	106.73	9.461	9.938	67.581434
C1156	74.09	4/13/2017 12:00	1.51	0	0.05	0	0	0	0	0	0	1	0	1	0	0.99	0	131.542	112.07	6.922	0.661	95.35977866
C116	481.33	4/13/2017 12:12	11	1.9	0.89	0	0.01	1.87	0.01	3.95	0.01	1	0	0.87	0.13	0	0.63	0	381.42	14.371	1.262	18.14781851
C1162	434.54	4/13/2017 11:58	6.94	0	0.07	0	0	0	0	0	0	1	0	0.58	0.42	0.59	0	82.855	44.8	0.383	9.7	175.1175295
C1163	342.6	4/13/2017 12:00	5.15	0	0.03	0	0	0	0	0	0	1	0	0	1	0.01	0	116.271	41.06	4.202	8.344	63.57916388
C1169	400.55	4/13/2017 12:05	1.67	0	0.16	0	0	0	0	0	0	1	0	0.41	0.59	0.42	0	209.008	64.57	6.26	6.203	196.8789639
C117	119.3	4/13/2017 12:00	1.33	0.01	0.15	0	0	0	0	0	0	1	0	1	0	0	0	188.489	15.03	1.063	7.937	97.76453973
C1170	256.31	4/13/2017 12:00	2.95	0.01	0.26	0	0	0	0	0	0	1	0	1	0	0.56	0	195.423	29.92	3.863	8.567	24.97698846
C1171	591.12	4/13/2017 14:38	0.99	0.02	0.38	0	0	0	0	0	0	1	0	1	0	0	0	815.993	45.05	2.152	13.121	30.59934703
C1172	96.62	4/13/2017 12:01	0.55	0	0.36	0	0	0	0	0	0	1	0	1	0	1	0	186.639	25.72	0.368	3.757	96.98223412
C1174	556.32	4/13/2017 11:56	7.61	0	0.14	0	0	0	0	0	0	1	0	0	1	0.01	0	85.545	53.17	5.187	10.463	74.7063057

Conduits SWMM 100-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft³)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C1175	334.05	4/13/2017 12:01	2.07	0.01	0.25	0	0	0	0	0	0	1	0	1	0	0.92	0	242.658	42.42	2.148	7.875	58.07919702
C1176	375.28	4/13/2017 12:05	8.01	0.02	0.24	0	0	0	0	0	0	1	0	0.77	0.23	0.76	0	39.617	55.08	4.06	6.813	102.9913105
C1178	76.52	4/13/2017 12:04	0.53	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	140.467	16.26	1.755	4.706	129.3607875
C118	22815.19	4/13/2017 15:57	4.9	0.31	0.88	0	0	0	0	0	0	1	0	1	0	0.28	0	933.339	238.05	14.105	95.842	269.929716
C1182_1	93.85	4/13/2017 12:07	3.84	0	0.06	0	0	0	0	0	0	1	0	0.83	0.17	0.99	0	115.102	18.24	1.619	5.145	158.0345313
C1182_2	166.69	4/13/2017 12:00	0.46	0	0.37	0	0	0	0	0	0	1	0	1	0	0.86	0	274.745	29.2	2.31	5.709	53.83679179
C1183	484.18	4/13/2017 11:57	9	0	0.1	0	0	0	0	0	0	1	0	0	1	0.04	0	52.828	50.69	6.821	9.552	32.20754755
C1185	457.05	4/13/2017 11:58	2.46	0	0.17	0	0	0	0	0	0	1	0	0.15	0.85	0.08	0	215.564	47.05	4.597	9.714	148.4513429
C1186	358.62	4/13/2017 11:57	2.01	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	184.176	36.07	2.751	9.942	148.7884592
C1188	141.2	4/13/2017 12:00	4.19	0	0.16	0	0	0	0	0	0	1	0	0.29	0.71	0.29	0	90.535	16.78	0.9	8.415	78.26627234
C1189_1	110.71	4/13/2017 12:00	10.18	1.09	0.72	0	0.01	0.74	0.01	0.97	0.01	1	0	0.65	0.35	0.63	0	0	29.26	0.902	3.784	23.28846921
C1189_2	289.18	4/13/2017 12:00	6.77	0	0.13	0	0	0	0	0	0	1	0	0	1	0.04	0	53.538	32.53	1.246	8.89	119.7294687
C119	704.09	4/13/2017 12:10	1.15	0.01	0.47	0	0	0	0	0	0	1	0	1	0	0.85	0	338.39	373.68	13.843	1.884	37.37632583
C1190	191.08	4/13/2017 12:00	1.83	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	270.243	26.79	4.098	7.133	94.58183851
C1194	150.79	4/13/2017 12:00	2.21	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	95.744	18.21	0	8.281	44.25698999
C1199	217.18	4/13/2017 11:55	3.81	0	0.06	0	0	0	0	0	0	1	0	0.98	0.02	0.97	0	144.365	23.74	1.348	9.148	57.96092798
C12	8699	4/13/2017 13:46	8.32	0.03	0.37	0	0	0	0	0	0	1	0	1	0	0	0	370.136	757.82	32.815	11.479	87.06811725
C120	1197.67	4/13/2017 13:02	4.89	0.02	0.24	0	0	0	0	0	0	1	0	1	0	0.09	0	200.986	1456.34	32.095	0.822	64.99777017
C1200_1	41.87	4/13/2017 11:55	2.01	0	0.04	0	0	0	0	0	0	1	0	0.5	0.5	1	0	88.962	4.5	1.125	9.304	120.0100862
C1200_2	64.38	4/13/2017 11:58	0.88	0	0.09	0	0	0	0	0	0	1	0	0.57	0.43	0.6	0	140.612	7.22	1.543	8.917	88.32854362
C121	75.32	4/13/2017 12:00	0.81	0.09	0.7	0	0.01	0.01	3.69	0.01	0.01	1	0	1	0	1	0	169.548	12.83	2.164	5.871	73.76506246
C1214	77.15	4/13/2017 12:03	1.07	0	0.09	0	0	0	0	0	0	1	0	1	0	0.96	0	200.804	10.98	0.546	7.026	259.8767502
C1216	90.87	4/13/2017 12:00	0.13	0	0.65	0	0.01	0.01	6.9	0.01	0.01	1	0	1	0	0.82	0	274.61	11.94	0.124	7.611	96.75411289
C122	45406.78	4/13/2017 14:32	6.86	0.1	0.48	0	0	0	0	0	0	1	0	1	0	0.03	0	611.129	435	23.363	104.383	148.5642464
C1226	75.62	4/13/2017 12:00	2.15	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	95.802	9.44	0	8.011	47.72933515
C1229MAS	16.25	4/13/2017 11:57	1.22	0	0.12	0	0	0	0	0	0	1	0	1	0	0.02	0	59.815	5.78	0.532	2.811	21.60098485
C123	602.3	4/13/2017 12:09	1.78	0.01	0.37	0	0	0	0	0	0	1	0	1	0	0.89	0	242.082	349.87	12.194	1.721	78.48207815
C1231	195.96	4/13/2017 11:55	4.66	0	0.05	0	0	0	0	0	0	1	0	0.08	0.92	1	0	83.022	19.02	2.028	10.303	82.60441872
C1235	149.94	4/13/2017 11:55	5.51	0	0.04	0	0	0	0	0	0	1	0	0	1	0.02	0	104.049	14.1	3.189	10.634	75.02390329
C1236	122.06	4/13/2017 12:00	8.03	0.02	0.23	0	0	0	0	0	0	1	0	0.01	0.99	0.02	0	26.807	15.54	1.258	7.855	18.86385015
C1237	55.89	4/13/2017 11:55	11.78	0.76	0.64	0	0.01	0.9	0.01	0.01	0.01	1	0	0.01	0.99	0	0.72	0	13.01	1.687	4.296	14.32666433
C124	611.03	4/13/2017 12:06	3.96	0.01	0.33	0	0	0	0	0	0	1	0	1	0	0.02	0	146.025	349.87	12.194	1.746	18.00893231
C1247	60.88	4/13/2017 12:00	1.4	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	88.281	7.08	0.228	8.599	180.5562606
C125	22855.37	4/13/2017 15:53	4.17	0.45	0.97	0	0	0	0	0	0	1	0	1	0	0.3	0	697.523	218.67	13.815	104.52	127.2466166
C126	247.93	4/13/2017 12:00	11.93	0.12	0.38	0	0	0	0	0	0	1.19	0	0	1	0	0	0	26.52	5.878	9.349	11.95041262
C126MAS	56.54	4/13/2017 11:59	3.1	0.01	0.14	0	0	0	0	0	0	1	0.04	0.23	0	0.21	0	56.58	7.96	0.533	7.103	121.3607915
C127	45417.89	4/13/2017 14:32	9.49	0.07	0.42	0	0	0	0	0	0	1	0	1	0	0.71	0	441.533	417.98	22.75	108.66	132.8692098
C128	1151.89	4/13/2017 13:02	4.42	0.05	0.3	0	0	0	0	0	0	1	0	1	0	1	0	164.965	1404.98	29.446	0.82	127.0068289
C129	251.34	4/13/2017 12:01	2.54	0.01	0.19	0	0	0	0	0	0	1	0	1	0	1	0	110.012	35.14	0.809	7.153	57.84401918
C13	1105.24	4/13/2017 12:01	2.88	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	420.309	191.79	17.143	5.763	87.61870083
C130	748.43	4/13/2017 12:00	4.2	0	0.17	0	0	0	0	0	0	1	0	1	0	0.9	0	211.416	349.87	12.194	2.139	112.9958927
C131	80.6	4/13/2017 12:00	0.05	0	0.39	0	0	0	0	0	0	1	0	1	0	1	0	346.612	9.77	1.021	8.25	190.2701463
C131_2	236.16	4/13/2017 11:55	6.22	0	0.12	0	0	0	0	0	0	1	0	0	1	1	0	80.936	25.44	5.286	9.283	62.28937043
C131_3	354.98	4/13/2017 11:55	6.81	0.01	0.14	0	0	0	0	0	0	1	0	0	1	0.81	0	92.239	39	7.166	9.102	57.64370575
C131_4	404.87	4/13/2017 11:56	6.69	0.01	0.16	0	0	0	0	0	0	1	0	0.95	0.05	1	0	101.694	45.45	7.996	8.908	94.63654423
C131_5	298.73	4/13/2017 11:55	6.36	0.01	0.13	0	0	0	0	0	0	1	0	0	1	1	0	85.055	32.26	6.458	9.26	77.49932703
C131MAS	5.25	4/13/2017 12:00	0.03	0	0.52	0	0.01	0.01	24	0.01	0.01	1	0	1	0	1	0	152.976	7.96	0.533	0.66	108.8107004
C132	1351.53	4/13/2017 12:27	9.85	0.04	0.48	0	0	0	0	0	0	1	0.42	0	0	0	0	67.813	1990.45	52.764	0.679	29.8068504
C132_1	177.18	4/13/2017 12:00	2.57	0.21	0.79	0	0.01	0.01	3.61	0.01	0.01	1	0	1	0	0.97	0	121.08	22.33	2.527	7.935	43.90420206
C133	230.34	4/13/2017 12:02	3.45	0.02	0.17	0	0	0	0	0	0	1	0	1	0	0.93	0	65.847	32.17	0.809	7.16	90.95011962
C134	123.47	4/13/2017 12:00	0.28	0	0.53	0	0.01	0.01	8.87	0.01	0.01	1	0	1	0	0.99	0	239.629	15.09	1.539	8.182	130.2865694
C134MAS	16.3	4/13/2017 11:55	1.33	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	42.106	5.78	0.532	2.82	100.7501423
C135	110.63	4/13/2017 12:00	1.09	0.1	0.72	0	0.01	0.01	8.33	0.01	0.01	1	0	1	0	1	0	263.287	14.39	0.714	7.688	112.7035932
C136	45424.72	4/13/2017 14:31	11.75	0.23	0.41	0	0	0	0	0	0	1	0	1	0	0	0	373.7	396.01	21.079	114.706	54.31877488
C137MAS	0.18	4/13/2017 0:00	0.17	0	0.24	0	0	0	0	0	0	1	0	1	0	1	0	142.477	23.2	1.538	0.008	43.68939568
C138	94.15	4/13/2017 12:00	1.42	0	0.43	0	0	0	0	0	0	1	0	1	0	1	0	238.921	12.98	0.024	7.253	94.50369512
C139	45366.2	4/13/2017 14:31	8.85	0.27	0.55	0	0	0	0	0	0	1	0	1	0	0.01	0	448.692	295.37	12.261	153.591	40.092379
C13MAS	35.5	4/13/2017 12:06	1.26	0.74	1	0	17.67	17.67	24	0.01	0.01	1	0	1	0	0.02	0	70.77	55.92	4.959	0.635	138.7694072
C14	813.51	4/13/2017 12:00	2.79	0	0.2	0	0	0	0	0	0	1	0	1	0	1	0	268.871	120.91	18.56	6.728	19.2383905
C140	79.09	4/13/2017 12:00	0.92	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	290.611	10.81	0.103	7.316	50.873717
C141	61.08	4/13/2017 12:08	1.81	0.01	0.1	0	0	0	0	0	0	1	0	1	0	0.88	0	102.422	16.07	0.368	3.801	67.00291779
C142	115.49	4/13/2017 12:18	0.78	0	0.18	0	0	0	0	0	0	1	0	1	0	1	0	296.836	34.94	0.603	3.305	67.55128063
C142_1	190.22	4/13/2017 12:01	1.51	0.01	0.28	0	0	0	0	0	0	1	0	1	0	0.96	0	221.634	25.68	0.026	7.407	350.4029619
C142_3	30.06	4/13/2017 12:19	9.36	0.44	0.46	0	0	0	0	0	0	1	0	0	1	0	0	0	25.68	0.026	1.171	19.00183855
C143	22883.26	4/13/2017 15:52	10.06	0.23	0.44	0	0	0	0	0	0	1	0	1	0	0	0	329.148	203.97	13.184	112.189	117.533361
C144	45366.86	4/13/2017 14:31	13.66	0.53	0.5	0	0	0	0	0	0	1	0	1	0	0	0	332.114	266.17	9.951	170.443	81.98682553
C145	43344.02	4/13/2017 15:36	6.58	0.45	1	0	3.09	3.09	4.65	0.01	0.01	1	0	1	0	0.33	0	664.37	2544.34	227.774	17.035	149.0851065
C146	2035.8	4/13/2017 12:21	3.51	0.01	0.15	0	0	0	0	0	0	1	0	1	0	0.95	0	310.599	1856.22	45.633	1.097	99.4832732
C147	2414.96	4/13/2017 12:30	6.23	0.07	0.33	0	0	0	0	0	0	1	0	1	0	0.85	0	138.976	2058.64	57.444	1.173	106.0549089
C148	1418.31	4/13/2017 12:01	11.37	0.93	0.51	0	0	0	0	0	0	1	0	0.98	0.02	0	0	54.588	166.62	14.97	8.512	40.58006467

Conduits SWMM 100-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C148_1	66201.79	4/13/2017 15:42	9.81	1	1	0	1.97	1.97	2.25	0.01	0.01	1	0	1	0	0	0	559.13	6258.68	379.747	10.578	241.1631649
C148_2	66199.75	4/13/2017 15:43	8.28	0.92	0.97	0	0	0	0	0	0	1	0	1	0	0.12	0	813.768	6267.81	379.747	10.562	105.0540261
C149	183.03	4/13/2017 12:01	2.82	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	55.762	24.71	0.809	7.407	202.6466293
C14MAS	46.31	4/13/2017 11:55	14.87	0.71	0.65	0	0.01	0.2	0.01	0.01	0.01	1	0	0.01	0.99	0.02	0	0	6.1	1.352	7.592	46.95632222
C15	8625.66	4/13/2017 13:43	9.13	0.41	0.88	0	0.01	0.01	2.03	0.01	0.01	1	0	1	0	0.81	0	201.396	633.8	25.017	13.609	129.1669829
C150	65681.85	4/13/2017 15:37	7.39	0.25	0.85	0	0	0	0	0	0	1	0	1	0	0.18	0	1094.601	4077.31	317.986	16.109	120.3931187
C151	2667.91	4/13/2017 12:24	1.21	0	0.78	0	0.01	0.01	4.72	0.01	0.01	1	0	1	0	0.59	0	1086.808	2170.36	61.761	1.229	146.3999689
C153	65709.72	4/13/2017 15:36	15.95	0.52	0.65	0	0	0	0	0	0	1	0	0.85	0.15	0	0	553.168	4058.5	317.96	16.191	244.4079239
C155	145.98	4/13/2017 12:00	4.51	0.01	0.15	0	0	0	0	0	0	1	0	1	0	0.09	0	39.594	19.06	0.809	7.659	67.39341929
C156	66.6	4/13/2017 12:00	10.37	0	0.04	0	0	0	0	0	0	1	0	0	1	0.11	0	24.047	8.29	0.146	8.034	113.0468177
C156_1	237.56	4/13/2017 12:03	22.44	0.12	0.18	0	0	0	0	0	0	1	0	0	1	0.03	0	0	40.12	1.4	5.921	19.2735308
C156_10	230.05	4/13/2017 12:06	2.71	0	0.01	0	0	0	0	0	0	1	0	0.99	0.01	0.48	0	201.469	40.12	1.4	5.734	196.7355759
C156_2	1811.23	4/13/2017 12:08	1.75	0	0.07	0	0	0	0	0	0	1	0	1	0	0	0	493.498	301.92	22.833	5.999	199.5665799
C156_3	1460.75	4/13/2017 12:01	8.23	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	226.009	173.2	15.616	8.434	142.8049504
C156_4	487.06	4/13/2017 12:01	20.23	0.16	0.4	0	0	0	0	0	0	1	0	0.69	0.31	1	0	0	191.79	17.143	2.54	78.65830788
C156_5	1894.53	4/13/2017 12:04	2.57	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	405.064	284.56	22.341	6.658	95.73781531
C156_6	243.54	4/13/2017 12:11	3.34	0	0.01	0	0	0	0	0	0	1	0	0.94	0.06	0.94	0	201.469	48.41	1.547	5.031	191.9187699
C156_7	39.68	4/13/2017 12:01	0.51	0	0.01	0	0	0	0	0	0	1	0	1	0	1	0	201.469	5.75	0.315	6.901	458.6829265
C156_9	1564.64	4/13/2017 12:02	4.76	0	0.04	0	0	0	0	0	0	1	0	0.49	0.51	1	0	281.146	191.79	17.143	8.158	207.0880666
C157	45369.07	4/13/2017 14:30	11.79	0.41	0.45	0	0	0	0	0	0	1	0	1	0	0	0	362.446	263.32	9.948	172.296	117.4982434
C158	60.28	4/13/2017 12:20	8.98	0.04	0.28	0	0	0	0	0	0	1	0.88	0	0	0	0	20.895	25.68	0.026	2.347	27.37804003
C158_1	150.55	4/13/2017 11:58	0.27	0	0.13	0	0	0	0	0	0	1	0	1	0	0.5	0	401.934	15.04	1.925	10.01	203.1621974
C158_2	84.79	4/13/2017 11:56	2.2	0.06	0.29	0	0	0	0	0	0	1	0	1	0	0	0	74.749	8.41	0.726	10.082	139.1339495
C158_3	123.81	4/13/2017 12:11	1.56	0	0.05	0	0	0	0	0	0	1	0	1	0	0	0	219.745	38.73	4.016	3.197	99.20225412
C158_4	208.32	4/13/2017 12:01	2.14	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	289.51	57.55	4.171	3.62	294.6163113
C158_5	120.97	4/13/2017 11:58	0.96	0.02	0.61	0	0.01	0.01	18.47	0.01	0.01	1	0	1	0	1	0	105.555	12.62	1.214	9.586	214.4748863
C159	35439.84	4/13/2017 13:22	9.8	0.58	1	0	4.74	6.11	4.74	15.71	2.71	1	0	1	0	0	0	0	4013.66	315.389	8.83	18.11999307
C16	8627.8	4/13/2017 13:41	7.65	1.45	1	0	1.93	1.94	1.95	1.92	1.92	1	0	1	0	0.24	0	376.45	628.7	25.017	13.723	91.31941558
C160	22889.18	4/13/2017 15:51	11.63	1.13	0.61	0	0.01	0.01	0.01	1.58	0.01	1	0	1	0	0	0	310.212	199.02	12.688	115.009	185.5539813
C161	81.63	4/13/2017 12:00	1.8	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	88.598	10.78	0.809	7.572	72.05695163
C162	6.12	4/13/2017 12:00	2.81	0.15	0.37	0	0	0	0	0	0	1	0	1	0	0.91	0	0	256.244	4.15	0.024	15.99459118
C162_1	815.58	4/13/2017 12:15	2.61	0	0.22	0	0	0	0	0	0	1	0	1	0	0.42	0	389.495	261.26	24.142	3.122	117.727412
C162_2	792.26	4/13/2017 12:17	1.05	0	0.38	0	0	0	0	0	0	1	0	1	0	0.4	0	465.844	264.93	24.362	2.99	74.01415268
C163	1157.45	4/13/2017 12:00	5.71	0.06	0.28	0	0	0	0	0	0	1	0	0.99	0.01	0.9	0	218.624	256.244	4.15	4.517	19.29774653
C164	724.71	4/13/2017 12:12	4.53	0	0.14	0	0	0	0	0	0	1	0	1	0	0.74	0	558.692	221.24	22.866	3.276	58.61258172
C165	774.22	4/13/2017 12:06	3.38	0	0.3	0	0	0	0	0	0	1	0	0.99	0.01	1	0	209.381	247.57	9.943	3.127	118.8251099
C166	134.66	4/13/2017 11:55	0.09	0	0.52	0	0	0	0	0	0	2.34	0	1	0	0.77	0	464.975	12.26	1.413	10.984	4.084565723
C167	246.35	4/13/2017 12:02	3.55	0.04	0.32	0	0	0	0	0	0	1	0	1	0	1	0	107.102	32.1	1.839	7.674	18.611893
C168	122.93	4/13/2017 11:56	3.72	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	75.911	12.26	1.413	10.027	71.5852313
C169	38.02	4/13/2017 12:01	0.74	0	0.48	0	0	0	0	0	0	1	0	1	0	0.53	0	258.375	4.88	0.835	7.791	113.8881642
C171	22771.93	4/13/2017 15:48	7.12	0.79	1	0	0.83	0.83	1.47	0.01	0.01	1	0	1	0	0.25	0	498.55	90.61	1.033	251.318	92.81366617
C172	3305.83	4/13/2017 12:02	7.76	0.01	0.22	0	0	0	0	0	0	1	0	0.22	0.78	0.21	0	159.959	528.49	60.574	6.255	183.8750663
C173	237.29	4/13/2017 12:08	1.69	1.1	1	0	11.48	11.48	12.18	1.4	1.4	1	0	1	0	0.49	0	198.75	174.65	6.391	1.359	231.0692479
C175	1197.22	4/13/2017 12:00	13.96	0.17	0.77	0	0	0	0	0	0	1	0.94	0	0.03	0.02	0	181.521	166.62	14.97	7.185	19.74204992
C178	745.77	4/13/2017 12:05	7.94	0	0.12	0	0	0	0	0	0	1	0	0	1	0.23	0	86.937	241.71	9.782	3.085	59.68547841
C179_2	45.5	4/13/2017 12:00	1.82	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	57.269	5.75	0.476	7.913	101.5518102
C18	8677.83	4/13/2017 13:36	6.56	0.13	0.62	0	0	0	0	0	0	1	0	1	0	0.69	0	484.59	618.01	24.663	14.042	52.79595011
C181	52.21	4/13/2017 12:12	9.06	0.39	0.43	0	0	0	0	0	0	1	0	0	1	0	0	0	11.6	1.712	4.501	21.63096744
C182	3233.92	4/13/2017 12:02	6.59	0.04	0.23	0	0	0	0	0	0	1	0	1	0	0.94	0	157.197	516.37	59.748	6.263	66.66765802
C187	1109.47	4/13/2017 12:59	5.37	0.02	0.2	0	0	0	0	0	0	1	0	1	0	0	0	123.679	1355.07	28.491	0.819	85.14514533
C188	79.83	4/13/2017 12:08	9.33	0.62	0.59	0	0.01	0.01	0.01	0.48	0.01	1	0	0.38	0.62	0.59	0	0	17.87	2.405	4.467	18.7454763
C19	8691.38	4/13/2017 13:34	6.76	0.34	0.67	0	0	0	0	0	0	1	0	1	0	0	0	357.156	606.91	24.663	14.321	157.2802177
C190	112.57	4/13/2017 12:05	11.57	0.84	0.73	0	0.01	1.07	0.01	1.21	0.01	1	0	0	1	0	0	0	50.9	4.137	2.212	9.212501095
C191	642.95	4/13/2017 12:04	1.6	0.03	0.58	0	0	0	0	0	0	1	0	1	0	0.85	0	607.923	166.63	6.317	3.859	116.798726
C192	21008.4	4/13/2017 15:48	10.15	1.07	1	0	3.25	3.25	4.46	1.15	1.15	1	0	1	0	0.51	0	636.2	83.18	0.991	252.566	167.1352811
C193	2211.09	4/13/2017 12:02	6.26	0.06	0.2	0	0	0	0	0	0	1	0	1	0	0	0	196.587	402.44	50.036	5.494	109.8856289
C194	529.76	4/13/2017 12:11	2.97	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	294.13	160.74	13.189	3.296	207.61383
C195	85.79	4/13/2017 12:17	1.47	0.01	0.42	0	0	0	0	0	0	1	0	0.55	0.45	0.29	0	173.525	17.87	2.405	4.801	35.73286516
C195_1MAS	674.48	4/13/2017 12:05	6.91	0.24	0.55	0	0	0	0	0	0	1	0	1	0	1	0	64.998	210.93	7.99	3.198	78.32767236
C195_2MAS	745.92	4/13/2017 12:05	8.09	0.05	0.28	0	0	0	0	0	0	1	0	0.87	0.13	0	0	74.594	241.71	9.782	3.086	47.9469063
C196	626.35	4/13/2017 12:03	5.45	0.05	0.31	0	0	0	0	0	0	1	0	0.98	0.02	0	0	309.824	163.2	6.011	3.838	33.24311361
C198	513.24	4/13/2017 12:02	2.81	0.08	0.42	0	0	0	0	0	0	1	0	1	0	0.45	0	298.626	142.79	5.198	3.594	16.1155425
C2	2522.6	4/13/2017 12:36	6.95	0.03	0.9	0	0.01	0.01	2.11	0.01	0.01	1	0	1	0	0.71	0	896.696	2161.03	61.437	1.167	76.22893788
C20	8696.34	4/13/2017 13:33	8.14	1.36	0.73	0	0.01	0.01	0.01	1.69	0.01	1	0	1	0	0	0	285.079	597.72	24.663	14.549	85.4615271
C201	128.38	4/13/2017 12:00	5.86	0.1	0.43	0	0	0	0	0	0	1	0	0.99	0.01	1	0	0	120.91	18.56	1.062	19.2383905
C202	21030.51	4/13/2017 15:44	8.59	0.42	0.96	0	0	0	0	0	0	1	0	1	0	0.1	0	391.99	83.18	0.991	252.831	63.49094038
C203_1	482.09	4/13/2017 12:05	8.4	0.02	0.36	0	0	0	0	0	0	1	0	0.95	0.05	0.2	0	71.44	182.96	13.215	2.635	140.3676175
C203_2	528.51	4/13/2017 12:04	1.42	0.01	0.79	0	0.01	0.01	8.85	0.01	0.01	1	0	1	0	0.71	0	207.136	193.25	13.502	2.735	105.886735
C205	23.78	4/13/2017 12:02	9.54	1.13	0.74	0	0.01	5.69	0.01	0.33	0.01	1	0	0	1	0	0	0	32.1	1.839	0.741	14.49410229
C206_2	675.64	4/13/2017 12:04	3.74	0.42	0.68	0	0	0	0	0	0	1	0	1	0	0	0	180.882	210.93	7.99	3.203	58.54147829

Conduits SWMM 100-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C208	631.87	4/13/2017 12:11	13	1.16	0.77	0	0.01	1.31	0.01	1.89	0.01	1	0	0	1	0	0	0	273.04	25.157	2.314	20.07880393
C209	83.96	4/13/2017 12:16	9.6	0.55	0.61	0	0.01	0.33	0.01	0.51	0.01	1	0	0.02	0.98	0.38	0	0	20.48	2.44	4.1	16.48412585
C21	1001.55	4/13/2017 14:39	0.57	0.02	0.44	0	0	0	0	0	0	1	0	1	0	0	0	852.799	55.76	3.131	17.962	87.07768366
C211	1117.15	4/13/2017 12:52	3	0.01	0.22	0	0	0	0	0	0	1	0	1	0	1	0	488.543	1338.37	27.806	0.835	201.7060425
C212	431.27	4/13/2017 12:02	1.16	0	0.07	0	0	0	0	0	0	1	0	1	0	0.92	0	441.822	171.23	11.847	2.519	79.13146019
C213	522.15	4/13/2017 12:08	5.63	0.02	0.24	0	0	0	0	0	0	1	0	1	0	0.5	0	52.916	152.87	11.746	3.416	208.2309484
C214	1308.33	4/13/2017 12:10	7.08	0.01	0.18	0	0	0	0	0	0	1	0	0.07	0.93	0.06	0	152.093	264.48	23.894	4.947	77.338821
C218	1116.61	4/13/2017 12:49	2.8	0.05	0.32	0	0	0	0	0	0	1	0	1	0	1	0	423.618	1333.52	27.051	0.837	55.12502273
C219	215.5	4/13/2017 11:56	2.37	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	122.759	23.46	2.514	9.186	101.7718422
C22	8696.48	4/13/2017 13:31	6.36	0.02	0.27	0	0	0	0	0	0	1	0	1	0	0.98	0	305.132	561.59	23.502	15.485	115.4256638
C220	434.22	4/13/2017 12:00	2.55	0.03	0.23	0	0	0	0	0	0	1	0	1	0	1	0	234.012	128.98	5.198	3.367	207.8111619
C221	17.52	4/13/2017 11:46	2.85	1.5	1	0	12.19	12.24	12.19	0.34	0.04	1	0	0.66	0	0	0	0	63.59	3.676	0.276	98.35635769
C223	471.03	4/13/2017 12:09	1.91	0.03	0.44	0	0	0	0	0	0	1	0	1	0	0.97	0	190.34	111.87	12.188	4.211	50.45438237
C229	523.37	4/13/2017 12:03	2.08	0.01	0.28	0	0	0	0	0	0	1	0	1	0	1	0	370.65	140.69	9.875	3.72	113.1197877
C23	193.36	4/13/2017 11:55	2.1	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	82.301	19.6	1.215	9.865	78.07983211
C23_1MAS	11.39	4/13/2017 13:23	3.8	1.53	1	0	2.91	3.54	2.93	2.93	2.44	1	0	1	0	0	0	0	17.81	0.868	0.64	10.23587045
C23_2MAS	19.74	4/13/2017 12:02	6.58	2.64	1	0	1.04	3.69	1.04	3.73	1.04	1	0	1	0	0	0	0	21.93	1.36	0.9	10.13493466
C23_3MAS	24.8	4/13/2017 12:00	0.58	0.02	0.77	0	0	0	0	0	0	1	0	1	0	0.68	0	123.018	21.93	1.36	1.131	27.19136395
C23_5MAS	30.88	4/13/2017 12:00	0.92	0.05	0.43	0	0	0	0	0	0	1	0	1	0	0.53	0	49.889	23.2	1.538	1.331	50.06486565
C230	12.17	4/13/2017 12:02	8.92	0.9	0.72	0	0.01	3.94	0.01	0.01	0.01	1	0	0	1	0	0	0	11.35	0.809	1.072	7.298047699
C232	55.96	4/13/2017 12:01	11.2	0.72	0.68	0	0	0	0	0	0	1	0	0	1	0	0	0	57.85	5.703	0.967	28.81347006
C233	29.93	4/13/2017 11:55	15.91	1.16	0.67	0	0.01	0.71	0.01	0.71	0.01	1	0	0.01	0.99	0.01	0	0	17.88	0.594	1.674	20.84027212
C234	580.95	4/13/2017 12:09	5.57	0.01	0.18	0	0	0	0	0	0	1	0	0.85	0.15	0.03	0	136.388	105.77	10.988	5.493	76.0908282
C237	357.47	4/13/2017 11:56	8.81	0.57	1	0	0.05	1.23	0.05	0.01	0.05	1	0	1	0	0.68	0	0	248.91	22.713	1.436	9.626075074
C238	243.06	4/13/2017 12:13	0.87	0.01	0.34	0	0	0	0	0	0	1	0	1	0	1	0	168.257	49.09	2.452	4.951	137.618451
C23MAS	0.5	4/13/2017 0:00	0.53	0	0.1	0	0	0	0	0	0	1	0	0.23	0	0.21	0	69.679	12.31	0.763	0.041	159.8937052
C24	43330.09	4/13/2017 15:30	9.08	0.35	0.81	0	0	0	0	0	0	1	0	1	0	0	0	433.205	2501.97	223.678	17.318	106.7140865
C240	9.99	4/13/2017 12:03	7.69	1.29	0.69	0	0.01	6.03	0.01	0.43	0.01	1	0	0.05	0.95	0	0	0	11.35	0.809	0.88	10.10465639
C241_1	23095.8	4/13/2017 15:40	8.67	0.06	0.52	0	0	0	0	0	0	1	0	1	0	0.71	0	727.969	0	0	0	208.2939813
C241_2	22983.83	4/13/2017 15:41	7.1	0.09	0.58	0	0	0	0	0	0	1	0	1	0	0.2	0	776.236	20.28	0.046	1133.325	126.5232456
C244	442.38	4/13/2017 12:09	15.21	0.55	0.72	0	0.01	0.36	0.01	0.56	0.01	1	0	0	1	0	0	0	105.77	10.988	4.182	11.0917158
C245	90.35	4/13/2017 12:42	6.28	0.34	0.54	0	0.01	9.7	0.01	0.06	0.01	1	0	1	0	0	0	0	123.84	10.356	0.73	24.35286264
C245_1	497.32	4/13/2017 12:01	4.61	0.04	0.22	0	0	0	0	0	0	1	0	0.99	0.01	0	0	254.169	133.47	8.332	3.726	94.98348046
C245_2	476.03	4/13/2017 12:04	12.77	0.28	0.62	0	0	0	0	0	0	1	0	0.32	0.68	0.85	0	0	133.47	8.332	3.567	22.94661244
C246	89.73	4/13/2017 12:02	1.22	0	0.31	0	0	0	0	0	0	1	0	1	0	1	0	110.079	11.35	0.809	7.906	32.33020711
C249	925.31	4/13/2017 12:00	2.3	0.02	0.31	0	0	0	0	0	0	1	0	1	0	1	0	214.646	129.4	24.88	7.151	86.10242703
C252	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	17.65	2.83	0	27.92995307
C253	874.37	4/13/2017 12:44	1.63	0.02	0.38	0	0	0	0	0	0	1	0	1	0	0.72	0	568.042	1127.09	19.704	0.776	213.6673351
C254	661.56	4/13/2017 12:05	4.22	0.02	0.47	0	0	0	0	0	0	1	0	1	0	1	0	87.374	100.75	10.433	6.566	41.60787876
C256	650.65	4/13/2017 12:04	1.47	0	0.05	0	0	0	0	0	0	1	0	1	0	0	0	225.753	97.81	9.889	6.652	42.07480026
C259	462.6	4/13/2017 12:00	4.89	0.01	0.21	0	0	0	0	0	0	1	0	1	0	1	0	81.226	123.33	7.042	3.751	95.92554674
C26	8692.68	4/13/2017 13:29	9.23	0.01	0.2	0	0	0	0	0	0	1	0	1	0	0.18	0	188.677	537.16	23.499	16.183	275.1005474
C261	328.76	4/13/2017 11:56	12.26	0	0.04	0	0	0	0	0	0	1.65	0.94	0	0	0	0	68.783	59.69	5.597	5.508	19.1615387
C264	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	3.51	1	0	0	0	0	0	28.26	1.431	0	20.84770418
C266	892.47	4/13/2017 12:00	7.05	0.01	0.11	0	0	0	0	0	0	1	0	0.98	0.02	0.97	0	96.523	125.32	24.382	7.122	112.3286282
C267	1165.13	4/13/2017 12:09	4.81	0.04	0.33	0	0	0	0	0	0	1	0	1	0	0.09	0	175.805	219.11	18.599	5.318	64.83544087
C27	8684.2	4/13/2017 13:28	6.88	0.4	0.65	0	0	0	0	0	0	1	0	1	0	0.22	0	197.691	508.79	21.167	17.068	61.07384787
C271	1902.84	4/13/2017 15:41	1.82	0.03	0.83	0	0.01	0.01	3.42	0.01	0.01	1	0	1	0	0.77	0	225.435	51.82	0.59	36.72	61.8527975
C272_1MAS	98.22	4/13/2017 12:06	0.52	0.01	0.61	0	0	0	0	0	0	1	0	1	0	0.52	0	337.051	41.53	2.987	2.365	86.06152527
C273	188.72	4/13/2017 12:04	2.87	0	0.04	0	0	0	0	0	0	1	0	0	0	0	0	186.366	132.63	8.743	1.423	390.3035927
C274	358.25	4/13/2017 12:01	6.99	0	0.15	0	0	0	0	0	0	1	0	0.87	0.13	1	0	60.982	109.68	5.121	3.266	57.96586681
C275	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	10.33	1.147	0	57.62233217
C276	90.22	4/13/2017 12:01	1.26	0.01	0.48	0	0	0	0	0	0	1	0	1	0	1	0	92.936	11.35	0.809	7.949	51.00076902
C277	180.84	4/13/2017 11:56	5.26	0	0.07	0	0	0	0	0	0	1	0	0	1	0.01	0	64.319	17.86	1.982	10.125	21.09852803
C278	180.77	4/13/2017 11:56	3.36	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	59.624	17.86	1.982	10.122	25.98207
C279	873.81	4/13/2017 12:40	1.83	0.09	0.27	0	0	0	0	0	0	1	0	1	0	0	0	394.792	1121.15	19.701	0.779	143.899356
C28	47528.01	4/13/2017 15:25	8.9	0.17	0.62	0	0	0	0	0	0	1	0	1	0	0.04	0	1025.802	2385.35	211.463	19.925	183.3371347
C281_1	283.74	4/13/2017 12:24	0.26	0.01	0.39	0	0	0	0	0	0	1	0	1	0	0	0	554.561	77.13	4.449	3.679	36.7695558
C281_2	163.21	4/13/2017 12:25	9.7	1.22	0.74	0	0.01	0.01	2.39	2.65	0.01	1	0	0.94	0.06	0	0	0	77.13	4.449	2.116	23.90724869
C2812MAS_1	221.2	4/13/2017 12:00	4	0.02	0.19	0	0	0	0	0	0	1	0	1	0	0.97	0	83.448	47.46	3.25	4.661	134.5943364
C2812MAS_2	253.8	4/13/2017 12:01	2.07	0.03	0.3	0	0	0	0	0	0	1	0	1	0	1	0	152.354	53.37	3.657	4.755	229.9736641
C284	11.22	4/13/2017 12:01	8.13	2.1	0.73	0	0.01	5.3	0.01	4.12	0.01	1	0	0.05	0.95	0	0	0	11.35	0.809	0.989	8.675592876
C285	1125.87	4/13/2017 12:08	4.74	0	0.09	0	0	0	0	0	0	1	0	1	0	0.87	0	155.468	204.41	17.113	5.508	83.73717941
C287	484.76	4/13/2017 12:01	1.45	0.03	1	0	1.52	1.52	7.55	0.01	0.01	1	0	1	0	0.4	0	293.87	147.44	11.763	3.288	100.1721832
C288	662.49	4/13/2017 12:03	4.3	0.01	0.16	0	0	0	0	0	0	1	0	1	0	1	0	111.953	92.88	9.508	7.133	161.3255713
C29	47544.19	4/13/2017 15:22	10.6	0.51	0.54	0	0	0	0	0	0	1	0	1	0	0	0	570.015	2232.33	191.465	21.298	240.5997201
C292	86.16	4/13/2017 13:05	0.27	0	0.12	0	0	0	0	0	0	1	0	1	0	0	0	318.438	88.12	5.594	0.978	96.83938055
C294	299.1	4/13/2017 12:18	0.6	0	0.38	0	0	0	0	0	0	1	0	1	0	0.71	0	524.273	77.13	4.449	3.878	32.864037
C295	1893.78	4/13/2017 15:49	5.87	1.81	1	0	2.23	2.23	3.78	2.56	0.01	1	0	1	0	0.04	0	256	51.21	0.59	36.981	97.26419007
C298	384.59	4/13/2017 12:15	2.25	0.08	0.26	0	0	0	0	0	0	1	0	1	0	0	0	265.226	109.77	3.918	3.504	62.03586216

Conduits SWMM 100-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C3	77.12	4/13/2017 12:00	0.49	0.01	0.52	0	0	0	0	0	0	1	0	1	0	1	0	167.192	10.23	0.704	7.539	69.71947872
C302	635.7	4/13/2017 12:02	14.66	0.01	0.16	0	0	0	0	0	0	1	0	0	1	0	0	42.009	87.56	9.323	7.26	28.59325397
C303	739.65	4/13/2017 12:00	3.64	0.01	0.11	0	0	0	0	0	0	1	0	0.58	0.42	0.36	0	196.56	108.66	20.725	6.807	140.764432
C304	96.13	4/13/2017 11:59	0.2	0.02	0.93	0	0.01	0.01	1.97	0.01	0.01	1	0	1	0	0.75	0	508.793	11.35	0.809	8.47	33.66062832
C307	54.94	4/13/2017 11:45	8.81	1.75	1	0	0.66	0.8	0.67	0.23	0.55	1	0	0.88	0.12	0	0	0	12.26	1.413	4.481	12.0125052
C308	1103.64	4/13/2017 12:07	5.26	0	0.08	0	0	0	0	0	0	1	0	0.81	0.19	0.54	0	150.478	195.8	16.616	5.637	66.79097402
C309	174.82	4/13/2017 12:20	0.35	0	0.3	0	0	0	0	0	0	1	0	1	0	0.5	0	628.807	71.37	5.124	2.449	54.17473271
C31	8270.08	4/13/2017 13:31	7.27	0.24	0.51	0	0	0	0	0	0	1	0	1	0	0.85	0	225.316	42.5	1.316	194.59	97.72591715
C313	343.64	4/13/2017 15:50	2.48	0.24	1	0	0.69	0.69	3.85	0.01	0.01	1	0	1	0	0.85	0	301	46.86	0.59	7.333	53.61233737
C314	593.28	4/13/2017 12:02	8.82	0.02	0.25	0	0	0	0	0	0	1	0	0.98	0.02	0.95	0	39.813	79.83	8.432	7.432	55.53291743
C316	135.53	4/13/2017 12:01	2.78	0	0.09	0	0	0	0	0	0	1	0	1	0	0.98	0	117.78	120.28	7.093	1.127	163.1361297
C318	54.22	4/13/2017 11:56	11.8	0.53	0.62	0	0.01	0.74	0.01	0.01	0.01	1	0	0	1	0	0	0	12.26	1.413	4.423	12.41600482
C319	547.6	4/13/2017 11:59	0.32	0	0.45	0	0	0	0	0	0	1	0	1	0	0.26	0	394.815	89.65	5.747	6.108	53.73439616
C32	8270.17	4/13/2017 13:31	5.81	0.67	0.74	0	0	0	0	0	0	1	0	1	0	0	0	246.552	42.5	1.316	194.592	54.65166332
C322	5979.96	4/13/2017 15:09	2.38	0.07	0.68	0	0.01	0.01	4.04	0.01	0.01	1	0	1	0	1	0	552.114	693.14	41.121	8.627	733.8630283
C324	190.79	4/13/2017 12:05	0.53	0.01	0.59	0	0	0	0	0	0	1	0	1	0	0.82	0	530.404	40.02	1.275	4.767	137.4989318
C327	349.64	4/13/2017 12:04	10.68	1.24	0.72	0	0.01	0.88	0.01	1.68	0.01	1	0	0	1	0	0	0	86.23	7.185	4.055	22.21675142
C327_1	706.8	4/13/2017 12:00	1.56	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	161.731	104.93	20.288	6.736	83.29180752
C327_2	341.24	4/13/2017 12:00	12.64	0.83	0.67	0	0.01	0.91	0.01	1.11	0.01	1	0	0	1	0	0	0	104.93	20.288	3.252	18.13840738
C33	155.9	4/13/2017 12:02	12.26	0.91	0.96	0	0.01	1.36	0.01	1.64	0.01	1	0	0	1	0	0	0	79.83	8.432	1.953	19.43311302
C331	238.29	4/13/2017 12:02	1.45	0.03	0.41	0	0	0	0	0	0	1	0	1	0	0.88	0	244.692	44.15	0.59	5.397	74.79558667
C332	72.38	4/13/2017 12:01	1.21	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	160.585	112.07	6.922	0.646	68.82554415
C333	88.65	4/13/2017 12:03	4.36	0.01	0.13	0	0	0	0	0	0	1	0	0.99	0.01	1	0	63.541	11.35	0.809	7.811	65.70413028
C336MAS_1	111.67	4/13/2017 12:11	1.16	0.03	0.25	0	0	0	0	0	0	1	0	1	0	0.65	0	200.158	31.78	2.037	3.514	32.38993658
C336MAS_2	110.89	4/13/2017 12:12	0.87	0.03	0.36	0	0	0	0	0	0	1	0	1	0	0.23	0	321.799	33.39	2.295	3.321	196.1192634
C337	201.03	4/13/2017 12:11	0.34	0	0.62	0	0.01	0.01	3	0.01	0.01	1	0	1	0	0.87	0	971.005	64.28	3.59	3.127	130.8081344
C338	1084.69	4/13/2017 11:59	4.67	0.01	0.17	0	0	0	0	0	0	1	0	1	0	0.95	0	148.21	109.92	9.675	9.868	111.5252425
C34	56422.82	4/13/2017 15:23	7.74	0.13	0.46	0	0	0	0	0	0	1	0	1	0	0	0	963.425	2181.01	185.82	25.87	281.4581849
C344	42.33	4/13/2017 12:12	9.91	0.58	0.58	0	0.01	2.42	0.01	0.01	0.01	1	0	0	1	0	0	0	25.46	3.457	1.663	23.12878875
C345	190.55	4/13/2017 12:42	0.49	0	0.21	0	0	0	0	0	0	1	0	1	0	1	0	273.213	123.84	10.356	1.539	210.9034659
C347	663.81	4/13/2017 12:00	13.32	0	0.06	0	0	0	0	0	0	1	0	0	1	0	0	47.815	100.39	19.68	6.612	65.7715178
C349	201.39	4/13/2017 12:10	3.37	0.01	0.28	0	0	0	0	0	0	1	0	1	0	0.92	0	342.772	62	3.587	3.248	32.01063858
C355	122.22	4/13/2017 12:09	9.86	0.53	0.49	0	0.01	0.01	0.01	1.11	0.01	1	0	0	1	0	0	0	30.38	2.581	4.023	25.99345033
C355_1	290.99	4/13/2017 12:10	1.45	0.02	0.5	0	0	0	0	0	0	1	0	1	0	1	0	135.289	57.98	2.554	5.019	91.338431
C355_3	130.41	4/13/2017 12:11	10.85	0.75	0.82	0	0.01	1.36	0.01	1.24	0.01	1	0	0.25	0.75	0	0.99	0	63.54	3.179	2.052	18.89011392
C355_4	347.89	4/13/2017 12:11	4.42	0.01	0.37	0	0	0	0	0	0	1	0	0.96	0.04	0.23	0	126.342	77.13	4.449	4.51	79.39256961
C358	80.88	4/13/2017 12:05	1.25	0.02	0.3	0	0	0	0	0	0	1	0	1	0	1	0	113.105	11.35	0.809	7.126	40.61900585
C359_2MAS	108.92	4/13/2017 12:10	2.64	0.02	0.21	0	0	0	0	0	0	1	0	1	0	0.04	0	156.087	30.31	1.951	3.594	47.4433487
C360	604.92	4/13/2017 12:00	9.06	0	0.1	0	0	0	0	0	0	1	0	0	1	0.51	0	51.818	94.13	18.052	6.426	35.98759358
C362	164.08	4/13/2017 12:20	0.38	0.01	0.65	0	0	0	0	0	0	1	0	1	0	0.5	0	810.952	23.96	0.004	6.848	46.82697041
C364	170.93	4/13/2017 12:01	3.27	0	0.07	0	0	0	0	0	0	1	0	0.52	0.48	0.5	0	425.178	68.95	5.012	2.479	159.4394495
C365	298.13	4/13/2017 12:05	12.68	0.47	0.6	0	0.01	0.53	0.01	0.67	0.01	1	0	0	1	0.48	0	0	61.04	5.874	4.884	20.10300074
C367	575.27	4/13/2017 12:00	15.7	0.45	0.57	0	0.01	0.01	0.01	0.75	0.01	1	0	0	1	0.89	0	0	90.95	17.282	6.325	26.24862426
C368	510.51	4/13/2017 12:00	2.59	0.02	0.42	0	0	0	0	0	0	1	0	1	0	0.16	0	257.888	62.03	6.97	8.23	108.8747442
C369	198.42	4/13/2017 12:05	1.83	0.01	0.11	0	0	0	0	0	0	1	0	1	0	0.99	0	298.245	29.96	2.065	6.623	280.1564956
C37	547.75	4/13/2017 12:02	0.92	0	0.22	0	0	0	0	0	0	1	0	1	0	0.89	0	340.019	72.19	7.265	7.588	41.92077788
C370	151.79	4/13/2017 12:04	1.57	0.01	0.26	0	0	0	0	0	0	1	0	1	0	0.33	0	326.288	36.79	1.257	4.126	163.7103961
C371	55.79	4/13/2017 12:01	0.28	0.01	0.42	0	0	0	0	0	0	1	0	1	0	1	0	374.844	7.36	0.133	7.58	157.7574982
C372	5091.75	4/13/2017 16:18	6.85	0.25	0.83	0	0.01	0.01	10.29	0.01	0.01	1	0	1	0	0.91	0	189.303	97.32	10.094	52.32	220.0562244
C375	114.09	4/13/2017 12:08	0.22	0	0.43	0	0	0	0	0	0	1	0	1	0	1	0	439.499	21.1	0.504	5.407	70.96284456
C376	40.57	4/13/2017 12:00	1.32	0	0.08	0	0	0	0	0	0	1	0	0.54	0.46	0	0	112.78	108.49	6.603	0.374	75.62876117
C379	1389.08	4/13/2017 14:38	0.36	0.01	0.76	0	0.01	0.01	7.14	0.01	0.01	1	0	1	0	0.72	0	706.246	70.19	4.182	19.79	180.7254973
C38	54890.84	4/13/2017 15:21	9.15	1	0.89	0	0	0	0	0	0	1	0	1	0	0	0	477.98	1458.2	102.249	37.643	159.909851
C380	934.56	4/13/2017 12:00	3.64	0.01	0.25	0	0	0	0	0	0	1	0	1	0	1	0	153.464	104.32	17.075	8.959	200.8675595
C381	202.39	4/13/2017 12:08	1.54	0.03	0.22	0	0	0	0	0	0	1	0	1	0	1	0	247.12	55.65	3.587	3.637	92.24859241
C382	17.81	4/13/2017 12:00	1.07	0	0.03	0	0	0	0	0	0	1	0	0.14	0.86	0.03	0	115.002	2.24	0.032	7.951	34.67980907
C383	7.17	4/13/2017 13:29	8.83	1.31	1	0	4.59	24	4.59	9.58	1.4	1	0	0.2	0.8	0	0	0	61.67	3.56	0.116	7.735934405
C384_1	512.69	4/13/2017 12:00	1.99	0	0.42	0	0	0	0	0	0	1	0	1	0	0.9	0	109.898	75.2	4.602	6.818	93.36922559
C384_2	569.23	4/13/2017 11:59	1.05	0.11	0.74	0	0	0	0	0	0	1	0	1	0	0	0	264.617	86.64	5.604	6.57	115.4463832
C385	107	4/13/2017 12:01	1.58	0	0.2	0	0	0	0	0	0	1	0	1	0	0.67	0	408.26	16.68	0.004	6.415	67.17456695
C390_2	124.1	4/13/2017 12:21	0.24	0	0.42	0	0	0	0	0	0	1	0	1	0	1	0	217.491	42.37	4.096	2.929	156.1189413
C390_3	236.59	4/13/2017 12:03	2.37	0.02	0.4	0	0	0	0	0	0	1	0	1	0	1	0	96.519	42.37	4.096	5.584	231.9278726
C390_4	117.87	4/13/2017 12:20	13.95	0.48	0.64	0	0.01	0.7	0.01	0.01	0.01	1	0	0	1	0	0	0	42.37	4.096	2.782	12.77741866
C3932MAS	86.11	4/13/2017 12:09	1.4	0.03	0.28	0	0	0	0	0	0	1	0	0.21	0	0.19	0	188.548	25.95	1.79	3.318	127.726542
C394	1190.86	4/13/2017 14:38	3.33	0.01	0.7	0	0	0	0	0	0	1	0	1	0	0.76	0	937.494	66.22	4.176	17.983	46.60398444
C395	640.15	4/13/2017 12:04	7.01	0.01	0.1	0	0	0	0	0	0	1	0	0.91	0.09	0.04	0	101.467	89.02	8.429	7.191	86.58401148
C399	776.24	4/13/2017 12:13	10.51	0.02	0.25	0	0	0	0	0	0	1	0	0.96	0.04	0.02	0	47.461	221.24	22.866	3.509	24.19472884
C3MAS	13.24	4/13/2017 12:26	4.22	0.96	1	0	11.12	11.12	12.63	0.01	0.01	1	0	1	0	0	0	0	41.53	2.987	0.319	20.08259341
C4	19142.91	4/13/2017 15:06	2.88	0.16	0.88	0	0.01	0.01	1.84	0.01	0.01	1	0	1	0	0.5	0	1056.998	3151.85	232.619	6.074	425.0601043
C40	492.6	4/13/2017 10:46	5.86	0.43	1	0	16.59	16.59	17.71	3.16	2.04	1	0	1	0	0	0	0	1458.2	102.249	0.338	22.11400826

Conduits SWMM 100-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C400	438.51	4/13/2017 12:00	5.83	0.01	0.12	0	0	0	0	0	0	1	0	0.98	0.02	1	0	92.932	52.61	5.548	8.335	87.02244877
C401	181.88	4/13/2017 12:00	2.2	0.01	0.35	0	0	0	0	0	0	1	0	1	0	1	0	158.27	21.19	2.268	8.583	133.9160644
C402_1	652.58	4/13/2017 12:00	6.75	0.02	0.23	0	0	0	0	0	0	1	0	0.98	0.02	0.99	0	73.589	68.68	9.227	9.502	175.4773683
C402_2	939.48	4/13/2017 12:01	5.28	0.03	0.32	0	0	0	0	0	0	1	0	1	0	1	0	100.277	102.56	13.732	9.16	67.11048694
C403	190.29	4/13/2017 12:03	2.95	0.07	0.65	0	0.01	0.01	6.47	0.01	0.01	1	0	0.98	0.02	0.6	0	57.789	58.73	6.107	3.24	334.1539086
C405	103.95	4/13/2017 12:07	9.54	0.81	0.72	0	0.01	0.31	0.01	0.6	0.01	1	0	0.63	0.37	0.86	0	0	21.19	2.268	4.906	21.79815318
C407	340.13	4/13/2017 12:02	0.96	0.01	0.32	0	0	0	0	0	0	1	0	1	0	1	0	399.175	44.22	0.646	7.692	175.8891168
C407_2	280.05	4/13/2017 12:10	7.83	0.01	0.22	0	0	0	0	0	0	1	0	0.96	0.04	0	0	24.009	54.79	2.29	5.111	74.25473559
C409	115.63	4/13/2017 12:05	1.88	0.01	0.11	0	0	0	0	0	0	1	0	0.49	0.51	0.08	0	151.614	21.1	0.504	5.48	79.98427081
C41	2509.39	4/13/2017 12:36	7.73	0.08	0.66	0	0	0	0	0	0	1	0	1	0	0	0	634.352	2151.6	61.133	1.166	81.05941309
C410MAS	80.93	4/13/2017 12:08	2.33	0.21	0.52	0	0	0	0	0	0	1	0	1	0	0	0	167.953	24.21	1.67	3.343	42.45597066
C415_1	213.87	4/13/2017 12:05	4.39	0.01	0.37	0	0	0	0	0	0	1	0	1	0	0.06	0	90.278	33.96	2.599	6.298	144.4289489
C415_2	5102.4	4/13/2017 16:14	4.14	0.07	0.73	0	0.01	0.01	5.3	0.01	0.01	1	0	1	0	0.8	0	260.942	36.46	2.87	139.945	103.5527424
C416	786.34	4/13/2017 11:57	3.56	0.02	0.38	0	0	0	0	0	0	1	0	1	0	1	0	146.192	77.66	6.559	10.125	161.160858
C42	54897.55	4/13/2017 15:21	12.31	0.77	0.81	0	0	0	0	0	0	1	0	1	0	0.01	0	422.098	1458.2	102.249	37.647	124.6727298
C420	103.8	4/13/2017 12:08	6.36	0.02	0.2	0	0	0	0	0	0	1	0	0.67	0.33	0	0	35.192	21.19	2.268	4.899	83.55844296
C422	420.77	4/13/2017 12:00	4.59	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	111.796	56.35	9.165	7.467	47.62008234
C425	160.09	4/13/2017 12:19	2.26	0.02	0.23	0	0	0	0	0	0	1	0	0.99	0.01	1	0	224.093	56.32	4.431	2.843	156.0531183
C429	465.34	4/13/2017 11:58	16.16	0.58	0.69	0	0.01	0.64	0.01	0.18	0.01	1	0	0	1	0	0	0	101.24	8.943	4.596	18.27215226
C43	54882.84	4/13/2017 15:20	11.49	0.24	0.33	0	0	0	0	0	0	1	0	1	0	0	0	384.976	1440.67	100.39	38.095	72.62491378
C430	361.14	4/13/2017 12:00	4.26	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	69.834	67.53	11.548	5.348	158.994985
C432	1328.09	4/13/2017 12:11	5.37	0.01	0.25	0	0	0	0	0	0	1	0	1	0	1	0	150.626	273.04	25.157	4.864	71.29426785
C434	75.98	4/13/2017 12:05	1.56	0	0.09	0	0	0	0	0	0	1	0	1	0	0.08	0	91.852	25.3	1.137	3.003	184.6886469
C435	422.34	4/13/2017 12:00	5.81	0	0.06	0	0	0	0	0	0	1	0	0	1	0.03	0	94.646	56.35	9.165	7.495	31.51830309
C436	85.48	4/13/2017 12:03	2.87	0.02	0.29	0	0	0	0	0	0	1	0	1	0	1	0	38.827	22.65	1.858	3.774	91.78040725
C438	408.83	4/13/2017 12:03	3.15	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	127.903	60.86	7.224	6.718	164.5280464
C439_2	65962.16	4/13/2017 15:28	8.12	0.58	0.64	0	0	0	0	0	0	1	0	1	0	0	0	831.023	3588.22	274.537	18.383	93.12037518
C439_3	65923.19	4/13/2017 15:28	8.82	0.61	0.61	0	0	0	0	0	0	1	0	1	0	0	0	800.778	3605.21	275.709	18.286	105.2336868
C439_4	65900.23	4/13/2017 15:29	10.08	0.34	0.59	0	0	0	0	0	0	1	0	1	0	0	0	774.546	3611.78	275.722	18.246	127.0072394
C439_5	65939.52	4/13/2017 15:28	8.41	0.56	0.63	0	0	0	0	0	0	1	0	1	0	0	0	822.078	3597.99	275.558	18.327	87.24249994
C44	2502.31	4/13/2017 12:35	4.48	0.85	1	0	0.78	0.78	0.83	0.01	0.01	1	0	1	0	0	0	617.51	2144.74	60.943	1.167	46.05864243
C440MAS	65828.03	4/13/2017 15:30	7.46	0.53	0.86	0	0	0	0	0	0	1	0	1	0	0.01	0	1034.655	3874.93	293.395	16.988	160.1928221
C441	26.49	4/13/2017 12:00	10.24	1.03	0.77	0	0.01	1.59	0.01	0.1	0.01	1	0	0	1	0	0.94	0	15.54	1.258	1.705	11.68020967
C442	818.1	4/13/2017 11:59	9.17	0.01	0.15	0	0	0	0	0	0	1	0	0	1	0.02	0	131.934	91.07	15.037	8.983	128.6321898
C445	82.83	4/13/2017 12:12	3.7	0	0.07	0	0	0	0	0	0	1	0	0.02	0.98	0.01	0	81.24	25.46	3.457	3.253	160.6555192
C446	161.2	4/13/2017 12:00	7.4	0	0.07	0	0	0	0	0	0	1	0	0.79	0.21	0.93	0	24.704	36	2.727	4.478	160.3758464
C45	43.24	4/13/2017 12:03	8.42	0.32	0.4	0	0	0	0	0	0	1	0	0	1	0	0	0	6.37	1.005	6.788	20.13954333
C450	427.35	4/13/2017 12:05	6.99	0.01	0.15	0	0	0	0	0	0	1	0	0.08	0.92	0.16	0	38.089	66.59	4.628	6.418	88.63928021
C455_2	188.09	4/13/2017 12:03	1.47	0.03	0.26	0	0	0	0	0	0	1	0	0.99	0.01	0.16	0	324.847	25.09	1.179	7.497	52.03273954
C457	343.92	4/13/2017 12:00	6.41	0	0.07	0	0	0	0	0	0	1	0	0.98	0.02	1	0	76.979	41.06	4.202	8.376	50.27283279
C458_1	318.13	4/13/2017 12:00	3.3	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	60.944	50.9	4.137	6.25	162.6383483
C458_2	268.18	4/13/2017 12:05	0.23	0	0.51	0	0.01	0.01	6.31	0.01	0.01	1	0	1	0	1	0	538.098	50.9	4.137	5.269	297.8034184
C459	581.63	4/13/2017 12:08	1.06	0.02	0.46	0	0	0	0	0	0	1	0	1	0	0	0	189.036	102.76	10.589	5.66	62.56592821
C46	2489.39	4/13/2017 12:35	5.06	0.09	0.86	0	0	0	0	0	0	1	0	1	0	0.75	0	590.27	2133.03	60.405	1.167	76.56075662
C462	357.71	4/13/2017 12:00	2.27	0	0.51	0	0	0	0	0	0	1	0	1	0	0.87	0	313.999	41.92	5.06	8.533	96.98109204
C464	245.37	4/13/2017 11:55	2.97	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	87.5	23.72	3.128	10.344	70.19224678
C464_1	627.9	4/13/2017 12:02	1.97	0.02	0.35	0	0	0	0	0	0	1	0	1	0	0.96	0	229.739	74.84	7.158	8.39	115.7781789
C465	1335.22	4/13/2017 12:00	1.62	0.02	0.42	0	0	0	0	0	0	1	0	1	0	0.93	0	169.393	273.04	25.157	4.89	60.42854614
C467	768.78	4/13/2017 14:38	0.89	0.06	0.49	0	0	0	0	0	0	1	0	1	0	0	0	794.519	50.69	2.464	15.166	64.76241
C469	322.38	4/13/2017 12:00	3.02	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	132.002	43.69	7.472	7.379	53.3276691
C47	37.6	4/13/2017 12:07	0.41	0.01	0.51	0	0	0	0	0	0	1	0	1	0	0.97	0	293.909	6.37	1.005	5.903	60.52346661
C473	184.21	4/13/2017 12:01	0.51	0	0.31	0	0	0	0	0	0	1	0	1	0	0.84	0	347.523	47.1	2.716	3.911	76.73471091
C474	265.88	4/13/2017 12:00	7.1	0	0.06	0	0	0	0	0	0	1	0	0	1	0.95	0	50.261	31.22	3.218	8.516	35.13367867
C475	414.45	4/13/2017 11:59	0.73	0	0.47	0	0	0	0	0	0	1	0	1	0	1	0	135.042	46.02	4.611	9.006	231.3553719
C479	358.55	4/13/2017 12:03	4.21	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	98.825	50.35	6.582	7.121	74.32716241
C48	2487.62	4/13/2017 12:34	4.65	0.12	0.65	0	0	0	0	0	0	1	0	1	0	0	0	513.271	2130.18	60.328	1.168	61.0197838
C480	323.37	4/13/2017 12:00	7.24	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	70.139	43.69	7.472	7.401	23.47391906
C481	433.88	4/13/2017 12:15	16.09	0.5	0.7	0	0.01	0.2	0.01	0.62	0.01	1	0	0.17	0.83	0.17	0	0	111.87	12.188	3.878	15.73255349
C482	71.67	4/13/2017 12:03	0.81	0	0.52	0	0.01	0.01	6.13	0.01	0.01	1	0	1	0	1	0	108.701	16.41	2.581	4.367	380.1235138
C483	34.66	4/13/2017 12:00	1.18	0	0.04	0	0	0	0	0	0	1	0	0.99	0.01	0.97	0	139.449	4.29	0	8.079	223.208074
C484	256.45	4/13/2017 12:00	3.49	0.02	0.16	0	0	0	0	0	0	1	0	1	0	0.9	0	145.643	29.92	3.863	8.571	14.28507887
C486	710.46	4/13/2017 11:56	5.76	0.01	0.16	0	0	0	0	0	0	1	0	1	0	1	0	88.914	69.44	6.079	10.231	96.37797001
C488	226.68	4/13/2017 12:00	1.76	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	158.097	38.77	3.874	5.847	66.80557611
C489	258.54	4/13/2017 12:01	0.65	0.01	0.52	0	0	0	0	0	0	1	0	1	0	1	0	446.733	34.29	1.802	7.54	84.35191237
C49	2485.29	4/13/2017 12:34	4.18	0.22	0.81	0	0	0	0	0	0	1	0	1	0	0.13	0	477.179	2126.76	60.27	1.169	44.7390794
C493	444.38	4/13/2017 12:04	1.04	0	0.17	0	0	0	0	0	0	1	0	1	0	0	0	168.061	56.42	9.439	7.876	83.3960956
C494	270.47	4/13/2017 12:00	2.47	0	0.13	0	0	0	0	0	0	1	0	0.45	0.55	0.85	0	164.326	32.55	0.671	8.309	50.89834547
C497	433.81	4/13/2017 12:15	0.86	0	0.6	0	0.01	0.01	1.32	0.01	0.01	1	0	1	0	0.82	0	172.817	111.87	12.188	3.878	94.49768804
C498	380.66	4/13/2017 12:04	1.26	0.01	0.49	0	0	0	0	0	0	1	0	1	0	0.95	0	251.322	58.47	5.596	6.51	36.65949323
C499	645.7	4/13/2017 11:58	4.37	0	0.14	0	0	0	0	0	0	1	0	0.05	0.95	0.04	0	190.19	65.76	6.774	9.819	66.96488746

Conduits SWMM 100-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C5	8054.14	4/13/2017 13:45	5.64	0.09	0.88	0	0	0	0	0	0	1	0	1	0	0.58	0	1557.34	890.28	40.185	9.047	151.7633282
C50	2482.44	4/13/2017 12:33	4.52	0.07	0.57	0	0	0	0	0	0	1	0	1	0	0.71	0	382.842	2120.77	59.803	1.171	58.34894834
C502	791.83	4/13/2017 11:58	6.59	0.01	0.11	0	0	0	0	0	0	1	0	0.97	0.03	1	0	170.853	88.08	14.287	8.99	108.3753899
C504_1	299.79	4/13/2017 12:00	2.25	0.01	0.23	0	0	0	0	0	0	1	0	1	0	1	0	295.242	33.66	1.659	8.906	71.33095669
C504_2	169.93	4/13/2017 12:01	0.63	0.01	0.45	0	0	0	0	0	0	1	0	1	0	0.9	0	520.18	33.66	1.659	5.048	91.47987223
C505	177.96	4/13/2017 11:56	2.37	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	130.204	19.23	2.117	9.254	59.57647947
C506	563.29	4/13/2017 11:59	6.81	0.05	0.27	0	0	0	0	0	0	1	0	0.99	0.01	0.9	0	61.054	58.76	7.319	9.586	71.34460099
C507	45283.37	4/13/2017 14:30	9.51	0.23	0.48	0	0	0	0	0	0	1	0	1	0	0.01	0	420.672	5.04	0	8984.796	125.6145275
C51	2477.84	4/13/2017 12:33	4.72	0.07	0.47	0	0	0	0	0	0	1	0	1	0	0.73	0	272.907	2113.44	59.649	1.172	69.13013338
C510	356.12	4/13/2017 11:58	21.27	0.51	0.62	0	0.01	0.02	0.01	0.01	0.01	1	0	0	1	0	0	0	39.87	3.574	8.932	28.20373075
C516	136.74	4/13/2017 11:55	1.2	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	55.611	13.01	1.687	10.51	76.93914614
C516_1	168.66	4/13/2017 12:27	9.5	0.77	0.79	0	0.01	0.8	0.01	2.05	0.01	1	0	0.43	0.57	0.76	0	0	67.92	5.397	2.483	21.55995503
C516_2	83.5	4/13/2017 12:20	0.6	0	0.33	0	0	0	0	0	0	1	0	1	0	1	0	311.974	20.48	2.44	4.077	138.7893971
C516_4	168.5	4/13/2017 12:31	0.62	0.01	0.55	0	0	0	0	0	0	1	0	1	0	1	0	769.99	67.92	5.397	2.481	200.5896403
C518	935.67	4/13/2017 12:06	2.69	0.01	0.18	0	0	0	0	0	0	1	0	1	0	0.98	0	130.694	42.83	7.169	21.846	36.76875809
C519	157.23	4/13/2017 12:00	1.15	0.01	0.25	0	0	0	0	0	0	1	0	1	0	1	0	264.762	20.78	2.51	7.566	239.9293318
C52	2477.14	4/13/2017 12:32	7.8	0.01	0.23	0	0	0	0	0	0	1	0	1	0	0.55	0	147.815	2110.74	59.649	1.174	80.46036507
C524	304.08	4/13/2017 12:00	5.15	0	0.09	0	0	0	0	0	0	1	0	0.99	0.01	0	0	74.072	33.88	4.505	8.975	40.57091779
C53	37814.23	4/13/2017 14:33	8.24	0.9	1	0	2.29	2.29	3.65	0.01	0.01	1	0	1	0	0.42	0	612.95	676.02	38.467	55.937	255.6324535
C530	298.98	4/13/2017 12:00	5.92	0	0.06	0	0	0	0	0	0	1	0	0	1	0	0	79.26	40.66	6.974	7.353	69.33206449
C532	78.82	4/13/2017 12:03	3.26	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	34.563	21.38	1.725	3.687	106.7262773
C537	174.08	4/13/2017 12:00	3.62	0	0.05	0	0	0	0	0	0	1	0	0	0	0	0	89.957	19.23	2.117	9.053	146.0741518
C538	362.48	4/13/2017 11:57	5.01	0	0.05	0	0	0	0	0	0	1	0	0.97	0.03	0.98	0	101.339	37.53	0.235	9.658	35.09518652
C540	606.26	4/13/2017 11:57	5.45	0	0.06	0	0	0	0	0	0	1	0	0.99	0.01	1	0	135.449	61.37	6.774	9.879	39.51517887
C543	324.08	4/13/2017 12:00	10.68	0	0.09	0	0	0	0	0	0	1	0	0.19	0.81	0.24	0	27.096	36.15	1.864	8.965	46.99171082
C546	89.72	4/13/2017 12:06	1.46	0.01	0.16	0	0	0	0	0	0	1	0	1	0	0.06	0	198.326	24.45	2.144	3.67	56.60486786
C548	78.07	4/13/2017 12:12	4.55	0.01	0.12	0	0	0	0	0	0	1	0	0.96	0.04	0.05	0	30.133	20.49	0.368	3.81	58.69268694
C55	2459.43	4/13/2017 12:32	4.1	0.01	0.21	0	0	0	0	0	0	1	0	1	0	0.99	0	292.779	2097.12	59.175	1.173	52.11268276
C551	7515.17	4/13/2017 14:58	3.37	0.25	0.91	0	0	0	0	0	0	1	0	1	0	0.82	0	1310.566	684.31	38.899	10.982	97.86119837
C555	267.46	4/13/2017 12:01	1.56	0	0.19	0	0	0	0	0	0	1	0	1	0	1	0	179.504	38.17	1.47	7.007	42.44150584
C556	1782.57	4/13/2017 15:05	14.19	1.09	1	0	1.68	3.59	1.68	4.25	1.68	1	0	0.95	0.05	0.81	0	0	684.31	38.899	2.605	17.74305044
C557	1155.35	4/13/2017 12:08	3.96	0.01	0.19	0	0	0	0	0	0	1	0	1	0	0.06	0	191.558	215.1	18.123	5.371	89.16588522
C558	108.78	4/13/2017 12:03	1.75	0	0.1	0	0	0	0	0	0	1	0	1	0	0.02	0	275.245	20.75	1.168	5.242	306.9515064
C56	54884.16	4/13/2017 15:20	9.84	0.05	0.28	0	0	0	0	0	0	1	0	1	0	0.22	0	530.526	1433.62	99.695	38.284	119.8122801
C561	231.33	4/13/2017 12:01	4.23	0.01	0.1	0	0	0	0	0	0	1	0	0	1	0	0	141.855	30.83	1.802	7.503	74.17230942
C562	7382.83	4/13/2017 13:34	9.23	0.36	1	0	2.43	2.43	3.96	4.16	0.01	1	0	1	0	0	0	0	802.92	36.077	9.195	26.12980272
C563	564.09	4/13/2017 11:57	9.41	0	0.04	0	0	0	0	0	0	1	0	0	1	0.02	0	55.286	58.76	7.319	9.6	58.64910166
C565	100.81	4/13/2017 12:00	1.4	0.01	0.27	0	0	0	0	0	0	1	0	1	0	1	0	118.174	15.44	0.684	6.529	208.316227
C568	267.42	4/13/2017 12:00	6.13	0	0.07	0	0	0	0	0	0	1	0	0.97	0.03	0.98	0	55.744	31.22	3.218	8.566	132.5070747
C57	2440.64	4/13/2017 12:31	5.17	0.05	0.25	0	0	0	0	0	0	1	0	1	0	0	0	282.02	2079.64	58.53	1.174	153.8606882
C571	333.77	4/13/2017 12:04	1.1	0	0.19	0	0	0	0	0	0	1	0	1	0	0	0	185.476	46.97	3.062	7.106	59.53609066
C573	223.95	4/13/2017 12:00	1.31	0.01	0.27	0	0	0	0	0	0	1	0	1	0	1	0	185.554	27.25	2.408	8.218	256.8617972
C575_1	305.4	4/13/2017 11:59	1.48	0	0.19	0	0	0	0	0	0	1	0	1	0	0.98	0	101.084	30.75	3.806	9.932	60.29695914
C575_3	260.15	4/13/2017 12:02	12.45	0.78	0.68	0	0.01	0.51	0.01	0.7	0.01	1	0	0	1	0	0	0	45.91	6.038	5.667	20.17222209
C575_4	340.94	4/13/2017 12:02	6.29	0	0.06	0	0	0	0	0	0	1	0	0	1	0	0	67.171	45.91	6.038	7.426	40.24326432
C577	283.78	4/13/2017 14:39	0.92	0	0.23	0	0	0	0	0	0	1	0	1	0	0.51	0	953.444	28.37	1.711	10.003	109.1849166
C58	2396.58	4/13/2017 12:29	7.7	0.04	0.3	0	0	0	0	0	0	1	0	1	0	0	0	125.195	2043.21	57.208	1.173	152.3775871
C580_1	267.02	4/13/2017 11:55	3.58	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	87.744	26.27	2.992	10.164	151.6202521
C580_2	1104.66	4/13/2017 12:07	7.3	0.01	0.15	0	0	0	0	0	0	1	0	0.94	0.06	0.87	0	116.953	195.8	16.616	5.642	20.2965832
C581	708.09	4/13/2017 11:58	13.1	0.01	0.13	0	0	0	0	0	0	1	0	0	1	0	0	87.581	79.29	13.518	8.93	89.33854106
C582	83.93	4/13/2017 12:16	2.29	0.01	0.17	0	0	0	0	0	0	1	0	0.21	0.79	0.08	0	167.74	20.48	2.44	4.098	60.6027071
C587	291.78	4/13/2017 12:09	7.87	1.23	0.95	0	0.01	1.48	0.01	1.32	0.01	1	0	0.77	0.23	0	0	0	243.55	22.026	1.198	12.78600265
C588	31.45	4/13/2017 11:55	2.2	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	42.672	2.87	0.718	10.958	77.87945972
C588MAS	353.42	4/13/2017 11:57	8.46	0	0.11	0	0	0	0	0	0	1	0	0.84	0.16	0.02	0	56.55	33.5	4.922	10.55	77.87945972
C59	39.97	4/13/2017 12:00	0.4	0.01	0.39	0	0	0	0	0	0	1	0	1	0	1	0	204.959	4.72	0.099	8.468	174.5313613
C59_1	2322.78	4/13/2017 12:27	6.64	0.02	0.25	0	0	0	0	0	0	1	0	0.18	0.82	0.12	0	190.223	1990.45	52.764	1.167	76.87332412
C59_2	2372.46	4/13/2017 12:27	3.25	0.02	0.36	0	0	0	0	0	0	1	0	1	0	0.85	0	268.838	2022.3	56.056	1.173	73.66572095
C590	262.62	4/13/2017 12:00	6.09	0	0.11	0	0	0	0	0	0	1	0	0.04	0.96	0	0	65.992	36.12	5.958	7.271	74.80070063
C591	147.09	4/13/2017 12:02	2.09	0	0.07	0	0	0	0	0	0	1	0	1	0	0.98	0	187.795	18.35	0.87	8.016	185.2689708
C592	226.51	4/13/2017 12:00	3.03	0	0.06	0	0	0	0	0	0	1.27	0	1	0	1	0	331.064	24.9	1.641	9.097	169.889491
C593	1558.17	4/13/2017 12:39	12.15	2.56	1	0	4.27	8.57	4.27	17.96	4.27	1	0	1	0	0	0.02	0	643.06	25.39	2.423	17.0160706
C596	239.38	4/13/2017 11:56	0.42	0	0.23	0	0	0	0	0	0	1	0	1	0	0.81	0	287.804	24.44	3.427	9.795	15.54866378
C6	8304.15	4/13/2017 13:45	6.67	0.27	0.86	0	0	0	0	0	0	1	0	1	0	0.28	0	700.41	890.28	40.185	9.328	115.8627024
C60	54888.52	4/13/2017 15:19	11.53	12.52	0.9	0	0.01	0.01	0.01	15.16	0.01	1	0	1	0	0	0	464.99	1392.7	96.443	39.412	205.217882
C604	80.6	4/13/2017 13:20	12.77	0.36	0.65	0	0	0	0	0	0	1	0	0	1	0	0	0	90.66	5.859	0.889	14.81044054
C605	260.33	4/13/2017 11:57	2.69	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	115.6	27.47	3.808	9.477	107.7632645
C606	213.43	4/13/2017 12:01	4.37	0	0.08	0	0	0	0	0	0	1	0	0.97	0.03	0	0	91.704	28.25	1.341	7.555	69.69101076
C607MAS	82.83	4/13/2017 12:00	2.02	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	111.923	16.41	2.581	5.048	159.0629574
C61	2150.88	4/13/2017 12:22	2.92	0.04	0.35	0	0	0	0	0	0	1	0	1	0	1	0	304.925	1907.07	47.333	1.128	258.2008188
C611	129.92	4/13/2017 12:00	0.54	0	0.48	0	0	0	0	0	0	1	0	1	0	1	0	625.461	16.81	3.111	7.729	146.5479538

Conduits SWMM 100-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C613	484.27	4/13/2017 11:57	6.77	0	0.07	0	0	0	0	0	0	1.05	0	0.97	0.03	1	0	79.178	50.69	6.821	9.554	42.5319525
C614	1278.73	4/13/2017 12:09	3.08	0.01	0.17	0	0	0	0	0	0	1	0	0.39	0.61	0.41	0	176.154	248.91	22.713	5.137	15.71248359
C615	186.54	4/13/2017 12:00	3.51	0	0.05	0	0	0	0	0	0	1	0	0.99	0.01	0.51	0	109.125	24.07	1.511	7.75	224.7011569
C619	277.06	4/13/2017 12:03	1.88	0.01	0.27	0	0	0	0	0	0	1	0	1	0	1	0	136.01	43.7	2.65	6.34	127.091437
C62	184.64	4/13/2017 12:04	2.5	0	0.03	0	0	0	0	0	0	1	0	1	0	0.01	0	162.844	25.09	1.179	7.359	45.78873398
C62_1	45258.78	4/13/2017 14:42	7.62	0.54	0.84	0	0	0	0	0	0	1	0	1	0	0.3	0	584.967	647.82	37.727	69.863	314.4870404
C62_2	45112.73	4/13/2017 14:46	8.34	1.67	0.84	0	0.01	0.01	0.01	3.86	0.01	1	0	1	0	0	0	584.967	674.15	38.21	66.918	172.6441228
C621	327.36	4/13/2017 11:57	5.34	0	0.05	0	0	0	0	0	0	1	0	0.94	0.06	0.99	0	100.578	33.64	0.205	9.731	102.1045761
C622	178.46	4/13/2017 12:00	4.19	0	0.08	0	0	0	0	0	0	1	0	0.98	0.02	0.85	0	105.437	21.65	0	8.243	154.9477958
C623	153.48	4/13/2017 12:00	4.24	0	0.06	0	0	0	0	0	0	1	0	0.95	0.05	0.19	0	79.615	18.35	0.87	8.364	40.59839503
C627	348.49	4/13/2017 12:00	1.93	0.02	0.13	0	0	0	0	0	0	1	0	1	0	0.8	0	290.85	44.22	0.646	7.881	49.09114328
C63	269.3	4/13/2017 11:57	10.05	0.35	0.64	0	0.01	0.2	0.01	0.1	0.01	1	0	0	1	0	0.99	0	50.69	6.821	5.313	16.59619899
C630	297.55	4/13/2017 11:56	3.57	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	131.647	29.05	2.632	10.243	114.2815786
C631	194.43	4/13/2017 12:00	5.28	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	71.537	23	2.1	8.453	67.41168951
C632	213.89	4/13/2017 12:00	4.12	0.02	0.24	0	0	0	0	0	0	1	0	0.22	0.78	0.24	0	100.023	28.25	1.341	7.571	19.22618172
C638	250.21	4/13/2017 12:02	0.46	0.01	0.48	0	0	0	0	0	0	1	0	1	0	0.71	0	260.468	32.1	1.839	7.795	49.85429472
C639	123.93	4/13/2017 11:55	8.27	0	0.06	0	0	0	0	0	0	1	0	0.77	0.23	1	0	15.836	12.95	0.935	9.57	60.7477224
C64	586.81	4/13/2017 12:16	4.14	0.09	0.38	0	0	0	0	0	0	1	0	1	0	0	0	105.744	177.14	7.223	3.313	52.53462319
C640	206.17	4/13/2017 12:00	4.5	0.01	0.1	0	0	0	0	0	0	1	0	0.21	0.79	0.18	0	67.107	24.67	2.91	8.357	77.60977183
C642	225.11	4/13/2017 11:57	3.47	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	158.413	23.57	3.483	9.551	24.95127923
C648	179.88	4/13/2017 12:00	4.69	0.03	0.15	0	0	0	0	0	0	1	0	1	0	0.8	0	57.622	21.65	0	8.309	19.59420833
C65	45295.53	4/13/2017 14:40	7.25	0.32	0.72	0	0	0	0	0	0	1	0	1	0	0.04	0	671.51	647.82	37.727	69.92	83.50623791
C650	257.28	4/13/2017 12:00	3.1	0	0.1	0	0	0	0	0	0	1	0	1	0	0.98	0	204.139	28.92	1.421	8.896	139.5711629
C652	307.44	4/13/2017 11:55	2.14	0	0.14	0	0	0	0	0	0	1	0	1	0	1	0	60.144	31.11	1.867	9.882	139.1977048
C653	73.74	4/13/2017 12:19	2.6	0	0.07	0	0	0	0	0	0	1	0	0.2	0.8	0.05	0	86.286	26.74	2.315	2.758	149.4372706
C655	77.33	4/13/2017 12:15	0.41	0	0.38	0	0	0	0	0	0	1	0	1	0	0.5	0	497.091	7.82	0.952	9.889	64.6524249
C656	101.78	4/13/2017 12:01	0.17	0.01	0.58	0	0.01	0.01	5.38	0.01	0.01	1	0	1	0	1	0	485.245	17.06	0.002	5.966	153.6927115
C658	212.05	4/13/2017 11:55	2.42	0.01	0.24	0	0	0	0	0	0	1	0	0.18	0.82	0.15	0	100.789	21.56	3.01	9.835	48.18653196
C66	556.12	4/13/2017 12:16	4.34	0.01	0.22	0	0	0	0	0	0	1	0	1	0	1	0	104.573	166.78	6.222	3.334	70.75172113
C663	104.81	4/13/2017 12:00	2.58	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	92.826	14.89	1.42	7.039	37.06898031
C664	297.06	4/13/2017 11:56	5.88	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	84.514	30.33	0.2	9.794	25.34246888
C665	278.8	4/13/2017 12:45	0.68	0.01	0.76	0	0.01	0.01	7.81	0.01	0.01	1	0	1	0	0.87	0	265.583	90.66	5.859	3.075	47.69626971
C666MAS	342.44	4/13/2017 11:56	4.27	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	85.571	33.5	4.922	10.222	59.1894643
C667	124.23	4/13/2017 11:55	6.82	0	0.1	0	0	0	0	0	0	1	0	0	1	0.08	0	31.943	12.95	0.935	9.593	15.91696794
C67	45308.48	4/13/2017 14:39	8.19	0.1	0.49	0	0	0	0	0	0	1	0	1	0	0.23	0	619.642	643.05	37.727	70.459	50.37565958
C670	525.78	4/13/2017 11:55	6.73	0	0.09	0	0	0	0	0	0	1	0	0.11	0.89	0.15	0	70.713	50.13	4.88	10.488	120.6191417
C675	1266.23	4/13/2017 12:10	4.17	0.01	0.19	0	0	0	0	0	0	1	0	1	0	1	0	221.878	248.91	22.713	5.087	56.16276022
C677	81.12	4/13/2017 12:05	1.32	0.01	0.14	0	0	0	0	0	0	1	0	1	0	0.95	0	193.676	21.67	2.118	3.743	134.2030616
C679	61.13	4/13/2017 12:05	1.05	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	250.029	10.86	0.504	5.629	329.1234574
C68	45313.89	4/13/2017 14:39	8.45	0.26	0.74	0	0	0	0	0	0	1	0	1	0	0.04	0	508.121	634.58	37.727	71.408	17.04373128
C680	88.03	4/13/2017 12:19	9.79	0.75	0.61	0	0.01	2.29	0.01	2.55	0.01	1	0	0	1	0	0	0	51.58	3.371	1.707	18.14633933
C685	9.09	4/13/2017 12:46	6.6	1.36	0.88	0	0.01	9.63	0.01	3.56	0.01	1	0	0.14	0.86	0	0	0	15.82	0.944	0.575	14.5707176
C686	78.44	4/13/2017 12:00	1.52	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	108.711	10.55	1.001	7.435	310.3546065
C687	47.24	4/13/2017 12:25	6.77	1.9	1	0	1.41	12.12	1.41	19.7	1.41	1	0	0.11	0.89	0	0	0	1333.52	27.051	0.035	17.51307543
C688	118.45	4/13/2017 12:00	0.77	0	0.26	0	0	0	0	0	0	1	0	1	0	1	0	222.345	20.51	2.817	5.775	137.3731972
C69	2.53	4/13/2017 12:05	5.09	0.21	0.32	0	0	0	0	0	0	1	0	0	0	0	0	0	55.08	4.06	0.046	16.2613555
C69_1	410.68	4/13/2017 12:15	2.42	0.09	0.45	0	0	0	0	0	0	1	0	1	0	1	0	257.712	118.01	4.376	3.48	36.74297254
C69_2	541.93	4/13/2017 12:15	2.92	0.6	0.9	0	0.01	0.01	0.24	0.01	0.01	1	0	1	0	1	0	229.662	160.06	5.898	3.386	69.26440726
C693	135.27	4/13/2017 12:00	3.65	0	0.07	0	0	0	0	0	0	1	0	1	0	0.99	0	89.054	17.09	1.741	7.915	183.4072967
C696	410.12	4/13/2017 11:57	7	0	0.06	0	0	0	0	0	0	1	0	0.95	0.05	0.99	0	83.779	41.11	4.341	9.976	62.23656558
C697	228.59	4/13/2017 11:55	1.74	0.01	0.47	0	0	0	0	0	0	1	0	1	0	1	0	88.096	23.58	2.384	9.694	167.1623293
C7	8366.19	4/13/2017 13:47	8.15	0.15	0.8	0	0	0	0	0	0	1	0	1	0	0.28	0	518.457	890.28	40.185	9.397	29.0911221
C70	45333.28	4/13/2017 14:38	8.54	0.51	0.73	0	0	0	0	0	0	1	0	1	0	0	0	488.615	617.77	34.617	73.382	63.16339261
C701	48.16	4/13/2017 12:03	0.55	0	0.25	0	0	0	0	0	0	1	0	1	0	1	0	196.341	8.81	0	5.467	191.0507175
C705	152.61	4/13/2017 12:00	2.97	0	0.05	0	0	0	0	0	0	1	0	1	0	0.77	0	104.355	17.94	2.482	8.507	240.4514975
C709	85.4	4/13/2017 12:04	1.46	0.01	0.19	0	0	0	0	0	0	1	0	1	0	0.29	0	190.49	20.49	0.368	4.168	148.8004995
C71	28.02	4/13/2017 11:55	0.74	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	62.392	2.71	0.339	10.339	127.3681991
C71_1	17445.44	4/13/2017 16:27	10.58	1.6	1	0	4.81	4.81	4.82	4.19	4.12	1	0	1	0	0	0	291.25	638.61	50.638	27.318	33.81947739
C71_2	17442.88	4/13/2017 16:27	10.57	1.15	1	0	4.82	4.82	5.66	2.13	1.93	1	0	1	0	0.33	0	291.25	642.07	50.665	27.167	271.6305378
C71_5	22426.31	4/13/2017 16:24	13.6	1.64	1	0	5.66	5.66	6.15	3.6	3.58	1	0	0.99	0.01	0.05	0	291.25	716.68	57.976	31.292	119.7380623
C712	52.16	4/13/2017 12:12	1.93	0.01	0.19	0	0	0	0	0	0	1	0	1	0	0.03	0	127.144	11.6	1.712	4.497	79.57262322
C713	300.11	4/13/2017 11:55	6.42	0.01	0.12	0	0	0	0	0	0	1	0	0	1	0	0	93.876	29.05	2.632	10.331	64.38051066
C715	225.27	4/13/2017 11:57	7.22	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	74.928	23.57	3.483	9.557	51.44785567
C716	214.6	4/13/2017 12:00	4.46	0	0.07	0	0	0	0	0	0	1	0	0.96	0.04	1	0	104.038	28.25	1.341	7.596	63.7972595
C719	93.16	4/13/2017 11:55	0.75	0	0.24	0	0	0	0	0	0	1	0	1	0	1	0	108.746	10.6	1.475	8.789	107.8913053
C72	1449.93	4/13/2017 12:21	5.9	0.03	0.2	0	0	0	0	0	0	1	0	1	0	0	0	89.758	1666.89	37.553	0.87	196.3314291
C721	312.46	4/13/2017 11:57	7.94	0	0.06	0	0	0	0	0	0	1	0	0	1	0	0	57.601	31.55	3.457	9.904	18.24416074
C722	142.91	4/13/2017 12:00	2.81	0	0.09	0	0	0	0	0	0	1	0	1	0	0.98	0	121.07	21.65	0.587	6.601	454.4580438
C723	29.71	4/13/2017 12:00	1.33	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	77.096	4.06	0.822	7.318	84.29907628
C726	257.21	4/13/2017 11:55	2.42	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	114.726	23.42	5.734	10.982	79.99594216

Conduits SWMM 100-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C728	121.85	4/13/2017 12:00	0.37	0	0.2	0	0	0	0	0	0	1	0	1	0	0.87	0	353.31	20.88	1.241	5.836	43.28864271
C73	36127.26	4/13/2017 16:18	6.6	0.66	0.89	0	0	0	0	0	0	1	0	1	0	0.01	0	1177.055	635.39	50.168	56.858	38.58734161
C733	224.96	4/13/2017 11:55	0.23	0	0.41	0	0	0	0	0	0	1	0	1	0	0.82	0	209.505	21.53	2.292	10.449	135.2549052
C74	16.1	4/13/2017 12:02	0.59	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	171.39	2.5	0.116	6.44	542.9572043
C741	109.84	4/13/2017 12:00	3.15	0	0.07	0	0	0	0	0	0	1	0	0.07	0.93	0.01	0	78.793	13.41	0	8.191	23.03913121
C746	78.58	4/13/2017 12:03	12.57	0.8	1	0	0.46	0.76	0.48	0.01	0.46	1	0	0.08	0.92	0	0.96	0	21.13	1.299	3.719	13.64841276
C75	1408.13	4/13/2017 12:21	4.09	0.01	0.22	0	0	0	0	0	0	1	0	1	0	1	0	144.695	1656.15	37.249	0.85	96.80584104
C750	632.58	4/13/2017 12:29	4.1	0.04	0.26	0	0	0	0	0	0	1	0	1	0	0.35	0	189.221	396.18	15.51	1.597	121.076197
C754	265.97	4/13/2017 11:57	8.1	0	0.09	0	0	0	0	0	0	1	0	0	1	0	0	48.548	26.88	2.741	9.895	92.25955331
C758	222.28	4/13/2017 11:55	9.17	0	0.06	0	0	0	0	0	0	1	0	0.59	0.41	1	0	24.862	23.3	0.765	9.54	86.23885994
C76	45349.18	4/13/2017 14:38	11	1.11	0.47	0	0.01	0.01	0.01	1.75	0.01	1	0	1	0	0	0	379.229	610.86	34.495	74.238	167.1829351
C761	44.7	4/13/2017 12:01	9.07	2.3	0.66	0	0.01	0.01	2.8	1.53	0.01	1	0	0.97	0.03	0	0	0	25.95	1.273	1.723	13.85043583
C765	316.65	4/13/2017 11:55	5.01	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	72.568	30.41	3.152	10.413	80.37628672
C769	165	4/13/2017 12:02	2.85	0.02	0.16	0	0	0	0	0	0	1	0	1	0	0.95	0	103.398	22.11	1.432	7.463	184.7060744
C77	45356.16	4/13/2017 14:37	13.14	0.11	0.47	0	0	0	0	0	0	1	0	1	0	0	0	400.595	606.05	34.471	74.839	30.52697529
C771	45.17	4/13/2017 12:19	10.21	0.72	0.6	0	0.01	2.47	0.01	0.01	0.01	1	0	0.01	0.99	0	0.84	0	26.74	2.315	1.689	24.01087647
C775MAS	301.16	4/13/2017 11:56	12.18	0	0.1	0	0	0	0	0	0	1	0	0	1	0	0	31.874	29.1	4.329	10.349	41.18222053
C776	217.89	4/13/2017 12:01	3.34	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	130.092	25.95	1.273	8.397	267.4841651
C779	168.86	4/13/2017 12:00	1.83	0.01	0.14	0	0	0	0	0	0	1	0	1	0	1	0	228.441	23.66	3.343	7.137	74.14352223
C78	6.52	4/13/2017 11:53	4.63	0.77	0.92	0	0.01	0.01	0.13	0.01	0.01	1	0	0.01	0	0	0	0	22.85	2.809	0.285	30.06723036
C781	312.74	4/13/2017 11:57	5.08	0	0.09	0	0	0	0	0	0	1	0	0.26	0.74	1	0	96.168	31.55	3.457	9.913	53.89135686
C784	152.48	4/13/2017 11:55	4.58	0	0.11	0	0	0	0	0	0	1	0	0.99	0.01	1	0	72.748	16.47	3.39	9.258	99.51844873
C788	158.13	4/13/2017 11:55	8.94	0	0.08	0	0	0	0	0	0	1.12	0	0.62	0.38	1	0	21.12	16.81	0.518	9.407	20.33593984
C79	45.15	4/13/2017 12:00	1.65	0	0.01	0	0	0	0	0	0	1	0	1	0	1	0	57.047	5.59	0.245	8.077	176.7474429
C79_1	59472.26	4/13/2017 16:14	7.51	0.21	0.82	0	0	0	0	0	0	1	0	1	0	0.3	0	1221.969	576.72	45.012	103.122	43.87699036
C79_3	25354.67	4/13/2017 16:20	4.35	0.16	0.83	0	0	0	0	0	0	1	0	1	0	0.27	0	1222.853	587.49	46.682	43.158	145.36948
C79_4	21785.35	4/13/2017 16:20	4.47	0.31	0.84	0	0	0	0	0	0	1	0	1	0	0	0	1229.332	629.35	49.581	34.616	70.61364472
C791	54.29	4/13/2017 12:00	1.43	0.01	0.15	0	0	0	0	0	0	1	0	0.7	0.3	0.51	0	149.839	8.81	0	6.162	66.11004678
C793	258.21	4/13/2017 12:00	1.11	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	156.071	29.26	0.902	8.825	76.69836625
C794	231.77	4/13/2017 11:55	4.65	0	0.12	0	0	0	0	0	0	1	0	0.07	0.93	0.1	0	100.598	22.9	3.016	10.121	177.5778743
C797	190.85	4/13/2017 11:57	1.51	0	0.31	0	0	0	0	0	0	1	0	1	0	0.91	0	263.891	23.81	1.649	8.016	44.90686875
C798	164.09	4/13/2017 12:00	4.89	0	0.1	0	0	0	0	0	0	1	0	0.13	0.87	0.13	0	158.964	20.88	1.241	7.859	47.08289379
C8	98.95	4/13/2017 12:10	21.11	1.45	0.66	0	0.01	0.84	0.01	1.03	0.01	1	0	0	1	0.01	0	0	34.93	4.14	2.833	17.095144
C8_1	8581.21	4/13/2017 13:54	7.64	0.71	1	0	3.02	3.02	3.75	0.01	0.01	1	0	1	0	0.1	0	419.66	813.9	36.192	10.543	36.85981129
C8_2	8540.28	4/13/2017 13:51	6.94	0.64	1	0	3.75	3.75	4.62	0.01	0.01	1	0	0.86	0.14	0.07	0	419.66	821.84	36.593	10.392	31.78134411
C80	56874.23	4/13/2017 16:17	9.26	0.15	0.75	0	0	0	0	0	0	1	0	1	0	0.4	0	1057.507	567.79	43.503	100.168	44.22866082
C800	195.55	4/13/2017 11:55	5.39	0	0.06	0	0	0	0	0	0	1	0	0.96	0.04	0.97	0	67.273	19.27	1.861	10.148	64.96543471
C801	151.81	4/13/2017 12:00	2.27	0	0.09	0	0	0	0	0	0	1	0	1	0	0.93	0	133.24	16.16	0.491	9.394	86.18158652
C803_1	229.01	4/13/2017 12:00	1.99	0.01	0.11	0	0	0	0	0	0	1	0	1	0	0.94	0	216.983	29.05	0	7.883	52.63209588
C803_2	248.4	4/13/2017 12:01	2.22	0.01	0.1	0	0	0	0	0	0	1	0	1	0	0.02	0	205.717	31.58	0	7.866	64.14222556
C804	109.83	4/13/2017 11:53	9.23	0.87	0.88	0	0.01	1.84	0.01	3.16	0.01	1	0	0.02	0.98	0	0	0	248.91	22.713	0.441	10.70950108
C805	1264.08	4/13/2017 12:10	4.66	0.01	0.14	0	0	0	0	0	0	1	0	1	0	0.31	0	149.963	248.91	22.713	5.078	37.40322989
C806MAS	79.46	4/13/2017 12:06	1.58	0.26	0.62	0	0	0	0	0	0	1	0	1	0	1	0	139.496	23.2	1.538	3.425	42.22694182
C81	1368.32	4/13/2017 12:18	1.39	0.03	0.35	0	0	0	0	0	0	1	0	1	0	0	0	330.093	1634.32	37.221	0.837	62.99315794
C813_3	258.46	4/13/2017 12:00	3.66	0.01	0.11	0	0	0	0	0	0	1	0	0.96	0.04	0.47	0	198.326	56.03	1.558	4.613	173.5877293
C814	73.52	4/13/2017 12:00	4	0	0.11	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	34.731	9.74	0.628	7.548	51.55633377
C815	1303.18	4/13/2017 12:10	5.96	0.01	0.15	0	0	0	0	0	0	1	0	1	0	1	0	144.097	261.54	23.729	4.983	84.83102572
C816	80.65	4/13/2017 12:00	1.36	0.01	0.08	0	0	0	0	0	0	1	0	1	0	0.98	0	225.805	10.86	0.504	7.426	105.6493208
C818	199.14	4/13/2017 12:00	1.62	0	0.36	0	0	0	0	0	0	1	0	1	0	1	0	137.255	24.03	1.928	8.287	322.0625077
C82	1380.11	4/13/2017 12:17	3.68	0.01	0.25	0	0	0	0	0	0	1	0	1	0	0.81	0	240.889	1631.31	37.221	0.846	58.82253788
C820	284.68	4/13/2017 12:01	2.38	0.01	0.14	0	0	0	0	0	0	1	0	1	0	1	0	163.34	43.7	2.65	6.514	129.2259887
C822	40.44	4/13/2017 12:00	1.59	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	65.088	5.06	0.36	7.992	69.13404574
C823	330.43	4/13/2017 12:04	14.7	0.71	0.76	0	0.01	0.45	0.01	0.79	0.01	1	0	0	1	0.87	0	0	63.56	10.581	5.199	22.91098573
C825	98.43	4/13/2017 12:00	1.27	0	0.2	0	0	0	0	0	0	1	0	1	0	1	0	140.394	10.66	0.917	9.234	77.31206094
C828	563.3	4/13/2017 11:58	2.7	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	133.366	58.76	7.319	9.586	94.16703722
C83	31632.24	4/13/2017 16:17	5.88	0.31	0.87	0	0	0	0	0	0	1	0	1	0	0	0	884.729	564.77	43.358	56.009	71.11675712
C831	114.22	4/13/2017 12:00	2.59	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	105.479	13.65	1.045	8.368	148.5818374
C836	74.25	4/13/2017 12:00	3.91	0	0.04	0	0	0	0	0	0	1	0	0.95	0.05	1	0	49.502	8.6	0.676	8.634	33.87235099
C837	106.55	4/13/2017 11:55	3.76	0	0.07	0	0	0	0	0	0	1	0	0.99	0.01	0.99	0	56.366	10.39	1.458	10.255	23.34305173
C84	45370.8	4/13/2017 14:36	11.19	0.07	0.37	0	0	0	0	0	0	1	0	1	0	0.02	0	414.315	590.85	33.302	76.789	37.22022296
C842	129.14	4/13/2017 12:03	0.44	0	0.24	0	0	0	0	0	0	1	0	1	0	0.96	0	255.109	11.39	0.027	11.338	48.37805664
C843	51.33	4/13/2017 12:00	0.86	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	173.238	6.37	1.005	8.058	72.39562982
C845	153.43	4/13/2017 11:56	3.29	0	0.07	0	0	0	0	0	0	1	0	1	0	0.99	0	83.416	16.43	2.104	9.338	25.64069993
C848	61.61	4/13/2017 12:00	0.72	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	156.139	7.23	0.48	8.521	46.22778412
C849	134.99	4/13/2017 12:00	4.55	0.01	0.13	0	0	0	0	0	0	1	0	0.3	0.7	0.23	0	73.341	16.9	1.499	7.988	164.8424756
C850	126.33	4/13/2017 12:00	2.81	0.06	0.33	0	0	0	0	0	0	1	0	1	0	0.02	0	95.43	18.65	0.003	6.774	45.89264765
C851	272.71	4/13/2017 11:57	7.44	0	0.05	0	0	0	0	0	0	1	0	0.92	0.08	0.97	0	55.759	27.67	3.165	9.856	40.96286426
C852	66.98	4/13/2017 12:01	1.19	0.01	0.18	0	0	0	0	0	0	1	0	1	0	1	0	277.161	10.43	0.387	6.422	35.79280502
C853	33.72	4/13/2017 11:56	0.31	0	0.09	0	0	0	0	0	0	1	0	1	0	1	0	168.312	3.82	0.425	8.827	75.10544523
C854	204.66	4/13/2017 11:56	2.43	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	109.64	20.69	2.265	9.892	62.63662263

Conduits SWMM 100-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C857	243.24	4/13/2017 11:55	1.21	0	0.3	0	0	0	0	0	0	1	0	1	0	1	0	117.27	23.52	2.333	10.342	88.05448694
C85MAS	30.07	4/13/2017 12:00	4.36	0.81	0.36	0	0.01	0.01	0.01	2.32	0.01	1	0	1	0	0	0	0	23.2	1.538	1.296	15.53931756
C86	14.98	4/13/2017 12:00	0.87	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	90.067	1.69	0.259	8.864	311.3119168
C860	215.59	4/13/2017 11:56	2.75	0	0.06	0	0	0	0	0	0	1	0	1	0	1	0	118.906	21.52	3.217	10.018	191.5616998
C861	139.01	4/13/2017 12:00	2.1	0.01	0.31	0	0	0	0	0	0	1	0	0.48	0.52	0.19	0	172.74	17.87	2.405	7.779	151.2040607
C865	76.08	4/13/2017 12:02	1.67	0.01	0.17	0	0	0	0	0	0	1	0	1	0	0	0	123.377	13.84	1.938	5.497	125.7208663
C866	213.57	4/13/2017 11:55	5.78	0	0.06	0	0	0	0	0	0	1	0	0.91	0.09	1	0	57.999	20.27	2.205	10.536	64.06397322
C867	105.62	4/13/2017 12:00	2.32	0	0.1	0	0	0	0	0	0	1	0	1	0	1	0	120.882	13.54	1.54	7.801	146.0239253
C869	179.57	4/13/2017 11:56	2.77	0	0.03	0	0	0	0	0	0	1	0	1	0	1	0	145.103	18.08	2.938	9.932	103.5736093
C87	1264.54	4/13/2017 13:16	3.9	0.02	0.28	0	0	0	0	0	0	1	0	1	0	0.84	0	194.248	1582.22	34.77	0.799	78.81835307
C873	65972.48	4/13/2017 15:27	9.64	1.1	1	0	4.49	4.49	4.91	2.12	2.12	1	0	1	0	0.04	0	940.4	3578.82	274.491	18.434	31.11969299
C88	110.43	4/13/2017 11:58	8.71	0.47	0.58	0	0.01	0.01	0.01	0.36	0.01	1	0	0	0	0	0	0	58.76	7.319	1.879	14.99381957
C883	223.45	4/13/2017 11:55	7.6	0	0.05	0	0	0	0	0	0	1	0	0.96	0.04	1	0	38.813	20.99	2.324	10.646	87.51800942
C886MAS	236.73	4/13/2017 11:55	3.27	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	95.149	21.63	3.631	10.945	172.8516819
C89	302.39	4/13/2017 12:00	1.63	0.01	0.19	0	0	0	0	0	0	1	0	1	0	1	0	174.173	33.88	4.505	8.925	81.51231812
C890	148.42	4/13/2017 11:55	1.77	0	0.17	0	0	0	0	0	0	1	0	1	0	1	0	122.672	14.1	3.189	10.526	22.07789997
C892	138.4	4/13/2017 11:55	8.54	0	0.04	0	0	0	0	0	0	1	0	0	1	0.5	0	40.196	12.58	2.988	11.002	102.6053442
C893	124.61	4/13/2017 12:00	1.24	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	198.316	36.08	4.249	3.454	89.7687153
C897	235.08	4/13/2017 11:56	4.62	0	0.04	0	0	0	0	0	0	1	0	0	1	0.09	0	98.567	23.89	2.712	9.84	31.32735056
C898	129.17	4/13/2017 11:55	2.66	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	79.922	13.12	1.643	9.845	238.9279428
C899	164.67	4/13/2017 12:00	7.84	0	0.03	0	0	0	0	0	0	1	0	0	1	0	0	36.119	20.88	1.241	7.886	65.41270546
C9	53.71	4/13/2017 11:58	0.48	0	0.15	0	0	0	0	0	0	1	0	1	0	1	0	190.552	5.5	0.105	9.765	199.5783394
C9_1	8653.08	4/13/2017 13:54	6.46	0.85	0.81	0	0	0	0	0	0	1	0	1	0	0	0	327.205	802.92	36.077	10.777	212.1507806
C9_2	8626.95	4/13/2017 13:54	13.04	0.39	0.72	0	0	0	0	0	0	1	0	0.74	0.26	0.15	0	294.312	807.92	36.177	10.678	134.4117552
C90	703.03	4/13/2017 12:02	4.21	0	0.13	0	0	0	0	0	0	1	0	1	0	1	0	74.893	451.09	19.458	1.559	163.9934259
C903	220.88	4/13/2017 11:56	3.47	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	106.338	22.85	2.809	9.667	126.6669325
C905	224.46	4/13/2017 11:56	7.45	0	0.08	0	0	0	0	0	0	1	0	0.97	0.03	0.97	0	29.895	22.69	0.197	9.892	177.5096817
C907	66.32	4/13/2017 12:00	3.01	0	0.1	0	0	0	0	0	0	1	0	1	0	0.99	0	71.875	9.74	0.769	6.809	50.62426903
C908_1	450.53	4/13/2017 11:56	6.81	0.01	0.12	0	0	0	0	0	0	1	0	0.04	0.96	0.52	0	119.364	50.38	8.883	8.943	104.0323935
C908_2	522.08	4/13/2017 11:57	7.18	0.01	0.13	0	0	0	0	0	0	1	0	0	1	0.04	0	128.921	59.17	10.144	8.823	180.8873337
C909	106.5	4/13/2017 11:55	2.51	0	0.07	0	0	0	0	0	0	1	0	1	0	0.52	0	88.962	11.13	1.755	9.569	48.1947054
C91_1	22955.43	4/13/2017 16:01	9.62	0.16	0.61	0	0	0	0	0	0	1	0	1	0	0	0	320.605	544.64	41.247	42.148	26.74074459
C91_2	22911.95	4/13/2017 16:05	10.02	0.21	0.63	0	0	0	0	0	0	1	0	1	0	0.61	0	329.878	547.74	41.433	41.83	192.6465915
C911	130.25	4/13/2017 11:55	2.53	0.02	0.21	0	0	0	0	0	0	1	0	0.19	0.81	0.16	0	107.916	13.07	1.708	9.966	77.65919408
C914	42.52	4/13/2017 11:57	0.98	0	0.59	0	0	0	0	0	0	1	0	0.77	0	0.48	0	843.493	7.28	0	5.841	31.56641208
C92	45377.08	4/13/2017 14:36	9.43	0.19	0.41	0	0	0	0	0	0	1	0	1	0	0	0	401.121	570.08	31.912	79.598	236.7620029
C920	82.16	4/13/2017 12:01	2.88	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	68.543	9.61	0.626	8.549	111.046085
C922	138.29	4/13/2017 11:55	8.04	0	0.04	0	0	0	0	0	0	1	0	0	1	1	0	36.019	12.68	1.462	10.906	34.72606489
C929	123.69	4/13/2017 12:00	1.9	0	0.08	0	0	0	0	0	0	1	0	1	0	1	0	166.46	15.58	0.518	7.939	135.979726
C93	176.47	4/13/2017 12:03	2.84	0.01	0.1	0	0	0	0	0	0	1	0	1	0	0.96	0	148.797	24.07	1.511	7.332	197.1822112
C93_1	247.29	4/13/2017 12:01	10.33	0.37	0.61	0	0	0	0	0	0	1.49	0	0	1	0	0	0	102.56	13.732	2.411	17.0452216
C93_2	1020.1	4/13/2017 12:00	6.42	0.01	0.35	0	0	0	0	0	0	1	0	1	0	1	0	85.441	113.07	16.258	9.022	66.89995112
C93_3MAS_1	29.91	4/13/2017 12:01	2.85	0.09	0.36	0	0	0	0	0	0	1	0	1	0	0.08	0	20.779	23.2	1.538	1.289	99.62865926
C93_3MAS_2	39.28	4/13/2017 12:00	3.33	0.11	0.39	0	0	0	0	0	0	1	0	1	0	1	0	21.095	24.3	1.614	1.616	91.77985398
C93_5MAS	38.58	4/13/2017 12:01	2.84	0.12	0.46	0	0	0	0	0	0	1	0	1	0	0.02	0	25.504	24.3	1.614	1.588	143.3590012
C93_6MAS	38.59	4/13/2017 12:05	1.09	0.1	0.61	0	0	0	0	0	0	1	0	1	0	0.98	0	80.028	24.3	1.614	1.588	57.50517318
C933	52.18	4/13/2017 12:01	0.78	0	0.05	0	0	0	0	0	0	1	0	1	0	1	0	251.557	8.43	0.289	6.19	57.00117545
C934	129.33	4/13/2017 12:00	3.16	0	0.06	0	0	0	0	0	0	1	0	0.52	0.48	0.29	0	75.217	17.55	0	7.369	209.3777292
C939	166.49	4/13/2017 11:55	5.19	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	84.226	15.96	2.793	10.432	54.80490735
C94	22868.42	4/13/2017 16:01	7.89	3.43	0.82	0	0.01	0.01	0.01	6.35	0.01	1	0	1	0	0	0	491.495	541.36	40.84	42.243	61.56457011
C941	31.37	4/13/2017 12:00	1.08	0	0.07	0	0	0	0	0	0	1	0	1	0	0.64	0	101.614	3.68	0.028	8.524	46.8575812
C943	153.74	4/13/2017 11:55	3.98	0	0.04	0	0	0	0	0	0	1	0	0.97	0.03	0	0	106.887	15.22	1.99	10.101	53.73973226
C944	203.97	4/13/2017 12:00	5.12	0	0.1	0	0	0	0	0	0	1	0	0	1	0.03	0	91.2	23.4	0.423	8.717	114.9072664
C946	138.52	4/13/2017 11:55	8.26	0	0.04	0	0	0	0	0	0	1.34	0	0	1	0.03	0	42.823	12.68	1.462	10.924	18.44568334
C948	234.12	4/13/2017 12:00	3.73	0.01	0.2	0	0	0	0	0	0	1	0	0.49	0.51	0	0	257.181	36.4	2.65	6.432	93.89677141
C949	131.65	4/13/2017 11:55	2.6	0	0.09	0	0	0	0	0	0	1	0	0.17	0.83	0.26	0	73.954	13.47	0.139	9.774	31.01541094
C95	22784.8	4/13/2017 15:59	9.46	0.13	0.46	0	0	0	0	0	0	1	0	1	0	0	0	456.116	520.27	38.604	43.794	62.59536402
C950	61.08	4/13/2017 11:56	1.34	0	0.34	0	0	0	0	0	0	1	0	1	0	1	0	99.402	6.3	0.113	9.695	129.2103949
C955	54.7	4/13/2017 12:00	0.29	0	0.36	0	0	0	0	0	0	1	0	1	0	1	0	179.526	9.19	0	5.952	83.24175412
C957	231.61	4/13/2017 11:58	1.4	0.01	0.48	0	0	0	0	0	0	1	0	1	0	1	0	138.278	24.92	4.049	9.294	140.5751249
C96	700.55	4/13/2017 12:31	3.14	0.01	0.13	0	0	0	0	0	0	1	0	1	0	1	0	144.407	448.01	19.458	1.564	153.9352316
C961	66.44	4/13/2017 12:00	3.11	0	0.11	0	0	0	0	0	0	1	0	1	0	1	0	44.995	7.85	0.79	8.464	52.84022058
C962	81.1	4/13/2017 11:55	8.06	0	0.06	0	0	0	0	0	0	1	0	0.02	0.98	0.45	0	14.113	7.51	1.281	10.799	35.83843174
C963	128.2	4/13/2017 12:00	1.68	0	0.11	0	0	0	0	0	0	1	0	1	0	0.98	0	162.27	15.03	1.204	8.53	124.925283
C968	61.76	4/13/2017 12:00	1.58	0	0.37	0	0	0	0	0	0	1	0	1	0	0.91	0	280.062	7.6	1.175	8.126	16.89476764
C97	45383.55	4/13/2017 14:36	8.19	0.16	0.61	0	0	0	0	0	0	1	0	1	0	0	0	354.903	562.76	31.826	80.645	85.61981463
C972	70.67	4/13/2017 12:00	2.37	0	0.06	0	0	0	0	0	0	1	0	0.99	0.01	0.97	0	109.063	11.05	0.002	6.395	46.0081208
C973	75.68	4/13/2017 12:00	1.97	0	0.05	0	0	0	0	0	0	1	0	1	0	0.24	0	93.962	9.74	0.628	7.77	114.5584369
C975	123.49	4/13/2017 11:57	5.52	0	0.05	0	0	0	0	0	0	1	0	0	1	0	0	39.344	13.23	1.247	9.334	145.556902
C977	49.06	4/13/2017 11:55	3.76	0	0.07	0	0	0	0	0	0	1	0	0.99	0.01	1	0	45.076	5.49	0.545	8.936	21.44104946

Conduits SWMM 100-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
C98	1241.09	4/13/2017 13:13	11.59	0.03	0.19	0	0	0	0	0	0	1	0	0.87	0.13	0	0	37.962	1527.47	32.968	0.813	150.8968432
C980_2MAS	81.31	4/13/2017 12:04	2.77	0.13	0.39	0	0	0	0	0	0	1	0	0.07	0	1	0	91.195	17.81	0.868	4.565	30.24495884
C981_2	38.88	4/13/2017 12:09	5.33	0	0.04	0	0	0	0	0	0	1	0	0	1	0.02	0	28.017	10.81	1.784	3.597	47.98551127
C981_3	118.73	4/13/2017 11:55	1.51	0	0.16	0	0	0	0	0	0	1	0	1	0	1	0	136.828	10.81	1.784	10.983	129.3845525
C981_4	32.04	4/13/2017 12:09	10.11	0.7	0.62	0	0.01	1.21	0.01	0.01	0.01	1	0	0	1	0	0	0	10.81	1.784	2.964	19.7615568
C99	73.3	4/13/2017 12:00	1.3	0.01	0.11	0	0	0	0	0	0	1	0	1	0	0.23	0	162.728	9.24	0	7.933	92.12405932
C991_2MAS	40.39	4/13/2017 12:00	2.13	0.01	0.13	0	0	0	0	0	0	1	0	0.09	0.91	0.09	0	93.244	11.33	1.773	3.565	106.4960688
C991MAS	10.64	4/13/2017 11:56	1.26	0	0.04	0	0	0	0	0	0	1	0	1	0	1	0	56.717	8	1.566	1.33	138.1076954
C992	92.63	4/13/2017 12:00	2.24	0	0.12	0	0	0	0	0	0	1	0	1	0	1	0	85.994	10.48	0	8.839	213.0927174
grof_100_11	133.11	4/13/2017 11:55	10.62	0.02	0.23	0	0	0	0	0	0	1	0.97	0	0	0	0	58.422	19.6	1.215	6.791	31.79016866
grof_100_12	171.34	4/13/2017 12:00	3.08	0.16	0.43	0	0	0	0	0	0	1	0.93	0	0	0	0	175.687	22.67	1.802	7.558	30.99935503
grof_100_3	281.31	4/13/2017 12:04	11.76	0	0.05	0	0	0	0	0	0	2.03	0.98	0	0	0	0	44.033	86.23	7.185	3.262	40.63487806
grof_100_5	70.08	4/13/2017 11:58	5.74	0	0.03	0	0	0	0	0	0	1.62	0.99	0	0	0	0	133.722	11.76	2.888	5.959	44.06076848
grof_100_6	210.59	4/13/2017 12:00	10.97	0	0.03	0	0	0	0	0	0	3.27	0.95	0	0	0	0	117.443	29.04	4.497	7.252	22.46221329
grof_100_7	280.35	4/13/2017 11:55	14.42	0	0.27	0	0	0	0	0	0	1.66	0.74	0.02	0	0.5	0	141.151	32.49	4.147	8.629	49.31436527
grof_100_8	99.54	4/13/2017 11:55	7.45	0.01	0.07	0	0	0	0	0	0	1	0.98	0	0	0	0	103.784	14	1.461	7.11	33.32252993
grof_100_9	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.85	1	0	0	0	0	0	17.86	1.982	0	26.3112352
GROF100	959.61	4/13/2017 11:59	10.28	0.01	0.1	0	0	0	0	0	0	1.17	0.92	0	0	0	0	123.286	117.17	9.563	8.19	23.32095192
GROF101	72.91	4/13/2017 11:55	12.52	0	0.09	0	0	0	0	0	0	1.36	0.98	0	0	0	0	31.071	18.97	1.818	3.843	24.35774472
GROF103	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	34.93	4.14	0	27.84783669
GROF104	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	57.85	5.703	0	37.26826934
GROF105	97.98	4/13/2017 12:10	10.66	0.01	0.15	0	0	0	0	0	0	1	0.96	0	0	0	0	27.307	60.86	5.884	1.61	39.91482077
GROF106	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	23.9	1.737	0	25.52975535
GROF107	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	29.58	2.195	0	23.0218893
GROF108	904.74	4/13/2017 12:00	10.55	0.5	0.77	0	0	0	0	0	0	1	0.96	0	0	0	0	108.905	212.48	20.186	4.258	63.79575108
GROF109	1289.65	4/13/2017 12:02	14.24	0.02	0.23	0	0	0	0	0	0	1	0.92	0	0	0	0	143.943	263.68	23.114	4.891	53.33253292
GROF11	7117.29	4/13/2017 13:44	21.24	0.54	0.82	0	0	0	0	0	0	1	0.73	0	0	0	0	154.084	643.06	25.39	11.068	26.58112958
GROF110	1160.78	4/13/2017 12:09	19.38	0.08	0.43	0	0	0	0	0	0	1	0.92	0	0	0	0	127.311	343.83	26.264	3.376	23.5722879
GROF112	135.95	4/13/2017 11:55	5.38	0	0.03	0	0	0	0	0	0	1.38	0.97	0	0	0	0	87.5	17.88	0.594	7.603	37.63622909
GROF113	337.52	4/13/2017 12:00	8.64	0.01	0.1	0	0	0	0	0	0	1	0.9	0	0	0	0	132.361	46.78	2.133	7.215	24.33568357
GROF114	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	26.52	5.878	0	24.33227358
GROF12	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.85	1	0	0	0	0	0	90.66	5.859	0	26.34268656
GROF13	80.53	4/13/2017 12:16	4.4	0	0.02	0	0	0	0	0	0	1.27	0.98	0	0	0	0	179.755	51.58	3.371	1.561	27.98119459
GROF14	183.18	4/13/2017 12:00	2.58	0.01	0.19	0	0	0	0	0	0	1	0.94	0	0	0	0	187.088	25.95	1.273	7.059	26.56790245
GROF15	1359.74	4/13/2017 13:54	9.16	0.02	0.14	0	0	0	0	0	0	1	0.87	0	0	0	0	69.659	802.92	36.077	1.693	49.77436053
GROF16	5706.46	4/13/2017 15:00	17.71	0.08	0.56	0	0	0	0	0	0	1	0.85	0	0	0	0	382.477	684.31	38.899	8.339	32.83322275
GROF17	1123.31	4/13/2017 14:39	4.96	0.01	0.36	0	0	0	0	0	0	1	0.55	0.11	0.01	0.03	0	850.512	61.67	3.56	18.215	19.10430842
GROF200	386.65	4/13/2017 12:00	10.35	0.07	0.23	0	0	0	0	0	0	1	0.91	0	0	0	0	72.902	97.57	10.384	3.963	38.72120345
GROF21	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	15.82	0.944	0	21.73831212
GROF22	1072.32	4/13/2017 12:48	9.68	0.39	0.71	0	0	0	0	0	0	1	0.65	0	0	0	0	200.836	1333.52	27.051	0.804	38.19960761
GROF25	208.71	4/13/2017 12:00	13.64	0.01	0.15	0	0	0	0	0	0	1	0.96	0	0	0	0	35.082	50.9	4.137	4.1	21.66067044
GROF26	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	21.19	2.268	0	29.16477628
GROF27	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1.83	1	0	0	0	0	0	111.87	12.188	0	26.37475642
GROF28	7.09	4/13/2017 12:19	5.55	0	0.01	0	0	0	0	0	0	1.96	0.99	0	0	0	0	19.436	42.37	4.096	0.167	22.89502536
GROF29	437.65	4/13/2017 12:02	14.5	0.03	0.24	0	0	0	0	0	0	1	0.97	0	0	0	0	90.807	79.83	8.432	5.482	34.53238167
GROF3	7714.99	4/13/2017 13:31	12.51	0.14	0.44	0	0	0	0	0	0	1	0.31	0	0	0	0	181.292	38.45	1.048	200.65	29.73111315
GROF31	95.62	4/13/2017 12:00	5.55	0.07	0.34	0	0	0	0	0	0	1	0.96	0	0	0	0	56.963	15.54	1.258	6.153	25.0800392
GROF32	0	4/13/2017 0:00	0	0	0.08	0	0	0	0	0	0	2.95	0.97	0	0	0	0	199.807	120.91	18.56	0	32.50097966
GROF33	147.08	4/13/2017 12:08	12.05	0	0.03	0	0	0	0	0	0	2.48	0.99	0	0	0	0	59.228	105.77	10.988	1.391	24.34145594
GROF34	692.42	4/13/2017 12:01	11.46	0.05	0.35	0	0	0	0	0	0	1	0.96	0	0	0	0	115.218	102.56	13.732	6.751	25.07889538
GROF37	452.8	4/13/2017 11:58	15.94	0.08	0.41	0	0	0	0	0	0	1	0.95	0	0	0	0	55.993	58.76	7.319	7.706	23.49688833
GROF38	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	5.35	1	0	0	0	0	0	39.87	3.574	0	44.79291628
GROF39	58072.16	4/13/2017 16:29	9.51	0.17	1	0	2.44	2.44	3.27	0.01	0.01	1	0	0.93	0.02	0	0	572	1458.2	102.249	39.825	40.98229972
GROF4	287.35	4/13/2017 12:28	7.55	0	0.09	0	0	0	0	0	0	1	0.92	0	0	0	0	79.307	396.18	15.51	0.725	28.56362081
GROF40	2415.44	4/13/2017 12:03	10.35	0.04	0.19	0	0	0	0	0	0	1	0.96	0	0	0	0	301.377	557.95	64.942	4.329	42.10541207
GROF42	365.15	4/13/2017 12:00	12.82	0	0.08	0	0	0	0	0	0	1.57	0.97	0	0	0	0	59.787	104.93	20.288	3.48	35.94882395
GROF43	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	90.95	17.282	0	46.55860358
GROF44	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	3.64	1	0	0	0	0	0	63.56	10.581	0	48.86384284
GROF45	70.55	4/13/2017 11:55	5.74	0	0.09	0	0	0	0	0	0	1	0.97	0	0	0	0	55.675	9.01	1.501	7.83	36.24614916
GROF46	17.47	4/13/2017 11:55	8.5	0	0.04	0	0	0	0	0	0	2.1	0.99	0	0	0	0	37.246	6.1	1.352	2.864	76.33486615
GROF47	696.48	4/13/2017 12:11	9.69	0.02	0.15	0	0	0	0	0	0	1	0.96	0	0	0	0	100.329	273.04	25.157	2.551	30.46401274
GROF48	556.09	4/13/2017 12:07	14.45	0	0.06	0	0	0	0	0	0	1.79	0.97	0	0	0	0	113.614	169.53	13.624	3.28	38.81768901
GROF49	374.14	4/13/2017 12:05	13.78	0.04	0.24	0	0	0	0	0	0	1	0	0	0	0	0	67.082	55.08	4.06	6.793	41.3077958
GROF5	240.49	4/13/2017 12:11	6.97	0.17	0.48	0	0	0	0	0	0	1	0.95	0	0	0	0	59.682	381.42	14.371	0.631	30.0212102
GROF50	222.62	4/13/2017 12:02	8.81	0.05	0.29	0	0	0	0	0	0	1	0.91	0	0	0	0	79.9	32.1	1.839	6.935	22.91365506
GROF51	98.98	4/13/2017 12:04	8.69	0.01	0.06	0	0	0	0	0	0	1.01	0.99	0	0	0	0	94.462	61.04	5.874	1.622	35.12527079
GROF52	98.64	4/13/2017 11:55	3.17	0	0.03	0	0	0	0	0	0	1	0.98	0	0	0	0	144.667	12.26	1.413	8.046	24.47602966
GROF53	74.95	4/13/2017 11:55	3.73	0.01	0.07	0	0	0	0	0	0	1	0.99	0	0	0	0	141.069	12.26	1.413	6.113	29.88875791
GROF54	79.32	4/13/2017 12:01	3.37	0.13	0.45	0	0	0	0	0	0	1	0.92	0	0	0	0	91.005	11.35	0.809	6.989	25.4148865
GROF55	77.74	4/13/2017 12:01	6.42	0.17	0.46	0	0	0	0	0	0	1	0.94	0	0	0	0	63.077	11.35	0.809	6.849	17.70310007

Conduits SWMM 100-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max. |Velocity| (ft/s)	Max/Full Flow	Max/Full Depth	Max. Volume (ft^3)	Full Both Ends (h)	Full Upstream (h)	Full Downstream (h)	Above Full Normal (h)	Capacity Limited (h)	Length Factor (fraction)	Dry (fraction)	Subcritical (fraction)	Supercritical (fraction)	Normal Limited (fraction)	Inlet Control (fraction)	Max. Spread (ft)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)	STMNAME
GROF56	77.98	4/13/2017 12:03	4.69	0.1	0.44	0	0	0	0	0	0	1	0.8	0	0	0	0	82.786	11.35	0.809	6.87	32.72981806
GROF58	809.5	4/13/2017 12:09	16.17	0.04	0.33	0	0	0	0	0	0	1	0.94	0	0	0	0	108.118	219.11	18.599	3.694	28.23107325
GROF59	958.3	4/13/2017 12:09	6.85	0.01	0.31	0	0	0	0	0	0	1.78	0	0.06	0.02	0.51	0	149.621	243.55	22.026	3.935	37.21733813
GROF6	131.3	4/13/2017 11:58	4.93	0.02	0.19	0	0	0	0	0	0	1	0.98	0	0	0	0	106.448	21.13	1.299	6.214	24.45744047
GROF60	917.69	4/13/2017 12:09	12.87	0.32	0.67	0	0	0	0	0	0	1	0.93	0	0	0	0	114.351	248.91	22.713	3.687	36.94398192
GROF61	1155.34	4/13/2017 12:10	13.96	0.01	0.14	0	0	0	0	0	0	1.57	0.85	0	0	0	0	107.268	248.91	22.713	4.642	22.82298504
GROF63	540.99	4/13/2017 11:58	19.81	0	0.06	0	0	0	0	0	0	2.57	0.98	0	0	0	0	70.788	101.24	8.943	5.344	32.53140549
GROF64	79.4	4/13/2017 11:56	4.78	0.05	0.32	0	0	0	0	0	0	1	0.97	0	0	0	0	35.579	13.01	1.687	6.103	35.33344707
GROF65	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	3.12	1	0	0	0	0	0	8.01	0.953	0	28.344948
GROF66	80.89	4/13/2017 12:02	6.11	0	0.05	0	0	0	0	0	0	1	0.99	0	0	0	0	57.759	45.91	6.038	1.762	48.64403844
GROF67	41.6	4/13/2017 12:11	7.36	0	0.07	0	0	0	0	0	0	1.35	0.95	0	0	0	0	54.405	25.46	3.457	1.634	42.11318395
GROF68	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.64	1.097	0	29.93544523
GROF69	6.93	4/13/2017 12:08	4.8	0	0.04	0	0	0	0	0	0	1	0.99	0	0	0	0	20.848	10.81	1.784	0.641	31.54731873
GROF70	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.64	1.097	0	38.36083324
GROF75	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	133.47	8.332	0	37.05568049
GROF76	114.57	4/13/2017 12:27	1.89	0.02	0.23	0	0	0	0	0	0	1	0.94	0	0	0	0	117.654	77.13	4.449	1.485	34.8249025
GROF79	147.31	4/13/2017 12:00	6.93	0.01	0.07	0	0	0	0	0	0	1	0.98	0	0	0	0	101.081	29.26	0.902	5.035	33.29647985
GROF80	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	30.38	2.581	0	38.98485539
GROF81	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	6.37	1.005	0	31.50725701
GROF82	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	11.6	1.712	0	33.12023577
GROF83	105.92	4/13/2017 12:39	5.34	0.03	0.13	0	0	0	0	0	0	1	0.81	0	0	0	0	226.619	123.84	10.356	0.855	55.57563919
GROF84	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	67.92	5.397	0	49.88201729
GROF87	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	20.48	2.44	0	25.02295052
GROF88	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	17.87	2.405	0	26.05383436
GROF89	29.13	4/13/2017 12:50	0.82	0.01	0.26	0	0	0	0	0	0	1	0.67	0	0	0	0	88.952	41.53	2.987	0.701	40.54833597
GROF90	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	23.2	1.538	0	24.81557939
GROF95	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	30.78	1.792	0	25.78363117
GROF96	29.76	4/13/2017 12:17	5.5	0.06	0.35	0	0	0	0	0	0	1	0.95	0	0	0	0	18.668	26.74	2.315	1.113	37.2975681
MASC13	50.12	4/13/2017 11:55	3.43	0	0.03	0	0	0	0	0	0	1	0	0.99	0.01	1	0	45.989	5.03	1.027	9.964	85.52389101
MASC14_1	72.21	4/13/2017 11:55	10.76	0	0.04	0	0	0	0	0	0	1	0	0	1	0	0	23.166	8	1.566	9.026	115.1505193
MASC14_3	133.08	4/13/2017 11:55	7.57	0	0.07	0	0	0	0	0	0	1	0	0	1	1	0	49.172	13.83	3.044	9.623	126.8077537
MASC14_4	131.39	4/13/2017 11:56	4.25	0	0.11	0	0	0	0	0	0	1	0	0.93	0.07	1	0	80.152	13.83	3.044	9.5	162.4481157
MASC231_1	19.78	4/13/2017 11:55	1.53	0.01	0.25	0	0	0	0	0	0	1	0	1	0	1	0	26.205	1.92	0.307	10.302	38.72611549
MASC231_2	42.75	4/13/2017 11:56	1.42	0.03	0.4	0	0	0	0	0	0	1	0	1	0	1	0	46.21	4.31	0.446	9.919	63.31490564
MASC231_3	15.76	4/13/2017 11:52	5.58	1.14	1	0	0.26	1.06	0.26	0.75	0.26	1	0	1	0	0.68	0	0	7.96	0.533	1.98	9.583708341
MASC231_4	72.28	4/13/2017 11:56	1.52	0.09	0.5	0	0	0	0	0	0	1	0	1	0	0.05	0	64.037	7.96	0.533	9.08	53.09833665
MASC231_5	39.13	4/13/2017 11:55	1.83	0.03	0.39	0	0	0	0	0	0	1	0	1	0	0.9	0	43.471	10.44	0.652	3.748	34.08031077
MASC231_7	55.98	4/13/2017 11:55	1.89	0.04	0.56	0	0	0	0	0	0	1	0	1	0	0.82	0	76.656	12.31	0.763	4.548	38.01694486
MASC311	42.2	4/13/2017 11:55	2.58	0	0.07	0	0	0	0	0	0	1	0	1	0	1	0	45.233	4.74	0.478	8.903	80.20600313
MASC440_2	57792.33	4/13/2017 15:35	15.86	0.44	0.98	0	0.01	0.01	0.93	0.01	0.01	1	0.77	0	0.14	0	0	1439.108	4013.66	315.389	14.399	21.42366419
MASC440_3	65724.11	4/13/2017 15:36	13.25	0.1	0.64	0	0	0	0	0	0	1	0	1	0	0.07	0	623.123	4043.09	317.678	16.256	91.46352853
MASC440_4	65731.84	4/13/2017 15:35	8.99	0.28	0.98	0	0.01	0.01	7.14	0.01	0.01	1	0	1	0	0.4	0	706.069	4030.57	317.402	16.308	118.4251605
MASC93_1	1002.6	4/13/2017 12:01	11.51	0.07	0.53	0	0	0	0	0	0	1	0	0.96	0.04	0.87	0	166.742	115.15	18.17	8.707	133.3585878
MASC93_3	1022.76	4/13/2017 12:01	3.24	0.01	0.85	0	0.01	0.01	4.54	0.01	0.01	1	0	1	0	0.71	0	780.901	118.64	19.182	8.621	127.3538214
MASC93_4	6728.03	4/13/2017 12:11	3.4	0.01	0.85	0	0.01	0.01	1.57	0.01	0.01	1	0	1	0	0.48	0	1385.497	129.67	21.599	51.886	79.90261786
MASC931	1046.25	4/13/2017 12:00	9.61	0.09	0.29	0	0	0	0	0	0	1	0	0.99	0.01	0	0	53.564	116.75	17.391	8.961	59.11639708
MASC932	136.53	4/13/2017 12:00	5.85	0.09	0.39	0	0	0	0	0	0	1	0	0.99	0.01	1	0	0	120.91	18.56	1.129	19.2383905
MAS78_Rev_Weir	148.18	4/13/2017 11:55	2.55	0.01	0.13	0	0	0	0	0	0	1	0	1	0	0.01	0	76.639	14.67	0.767	10.101	7.707331408
GROF77	174.14	4/13/2017 12:11	14.25	0.11	0.35	0	0	0	0	0	0	1	0.96	0	0	0	0	83.998	63.54	3.179	2.741	42.40238755
C_MAS1	1815.95	4/13/2017 12:15	7.87	0.28	0.59	0	0	0	0	0	0	1	0	0.97	0.03	0.47	0	138.387	511.45	32.309	3.551	106.0700545
C_MAS82	78.28	4/13/2017 12:00	3.04	0.09	0.44	0	0	0	0	0	0	1	0	0.03	0.97	0.03	0	107.987	9.59	0.047	8.163	165.1443625
C_MAS95_1	28.01	4/13/2017 12:00	2.44	0.02	0.22	0	0	0	0	0	0	1	0	0.95	0.05	0.42	0	80.175	3.62	0.022	7.738	22.89123932
C_MAS95_3	27.88	4/13/2017 12:00	1.84	0.02	0.25	0	0	0	0	0	0	1	0	1	0	0.98	0	85.406	3.62	0.022	7.702	45.58967537
C_MAS95_4	58.96	4/13/2017 12:00	2.79	0.04	0.3	0	0	0	0	0	0	1	0	0.38	0.62	0.31	0	92.871	7.14	0.022	8.258	34.58746622
C_7	215.55	4/13/2017 11:57	4.92	0	0.05	0	0	0	0	0	0	1	0.92	0	0	0	0	173.794	22.85	2.809	9.433	35.99907183
C_8	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	50.69	6.821	0	22.78399461
C661	147.07	4/13/2017 12:00	0.33	0	0.33	0	0	0	0	0	0	1	0	1	0	0.85	0	309.2	19.44	2.142	7.565	248.4625276
C_MAS55	228.99	4/13/2017 12:01	2.13	0.08	0.69	0	0.01	0.01	0.22	0.01	0.01	1	0	1	0	1	0	112.745	50.29	5.349	4.553	132.9962202
C11	8681.77	4/13/2017 13:47	7.04	0.51	0.92	0	0.01	0.01	2.47	0.01	0.01	1	0	1	0	0.93	0	269.667	766.97	33.04	11.32	338.9420986
C1116	66296.89	4/13/2017 15:15	6.15	0.43	0.97	0	0	0	0	0	0	1	0	1	0	0.05	0	1002.881	3478.99	268.957	19.056	152.7138966
C_108	66198.55	4/13/2017 15:16	6.65	1.67	0.93	0	0.01	0.01	0.01	4.82	0.01	1	0	1	0	0	0	1249.521	3503.62	270.129	18.894	108.19683
C_MAS131	208.61	4/13/2017 11:55	8.22	0	0.09	0	0	0	0	0	0	1	0	0	1	0	0	49.726	22.96	3.226	9.086	43.96629108
C1010	43.31	4/13/2017 12:00	0.08	0	0.5	0	0.01	0.01	1.17	0.01	0.01	1	0	1	0	1	0	681.017	6.91	1.224	6.268	212.2104808
C210	383.81	4/13/2017 12:01	1.48	0.02	0.23	0	0	0	0	0	0	1	0	1	0	1	0	265.917	144.21	3.966	2.661	100.7945193

Outfall Outputs

Outfalls SWMM 2-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Flow Frequency	Avg. Flow (cfs)	Max. Flow (cfs)	Total Flow (MG)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2027	0	0	1351.98	4/13/2017 0:00	0	15.35	15.35	0.188	0.188	0	0	0	0	0	0	0	0	99.77	0.29	15.35	0.188	5.5	0.15	2.791
J2069	0	0	1366.03	4/13/2017 0:00	0	20.67	20.67	0.334	0.334	0	0	0	0	0	0	0	0	99.85	0.52	20.67	0.334	8.88	0.876	2.328
J2107	0.04	0.6	1358.69	4/13/2017 12:01	0.6	49.59	169.53	0.643	2.16	0	0	0	0	0	0	0	0	100	3.35	169.53	2.161	63.66	1.01	2.663
J2877	0	0	1347.64	4/13/2017 0:00	0	13.76	13.76	0.189	0.189	0	0	0	0	0	0	0	0	99.79	0.29	13.76	0.189	5.29	0.295	2.601
J2944	0.06	0.73	1350.73	4/13/2017 12:06	0.73	32.89	196.87	0.378	3.83	0	0	0	0	0	0	0	0	100	5.93	196.87	3.825	99.83	8.714	1.972
J51	0	0	1307.5	4/13/2017 0:00	0	25.89	25.89	0.305	0.305	0	0	0	0	0	0	0	0	99.86	0.47	25.89	0.305	14.93	0.487	1.734
J52	0	0	1314.55	4/13/2017 0:00	0	40.17	40.17	0.509	0.509	0	0	0	0	0	0	0	0	99.88	0.79	40.17	0.509	14.85	0.688	2.705
J53	0	0	1322	4/13/2017 0:00	0	13.08	13.08	0.193	0.193	0	0	0	0	0	0	0	0	99.6	0.3	13.08	0.193	7.55	0.109	1.732
J54	0	0	1317.44	4/13/2017 0:00	0	24.69	24.69	0.308	0.308	0	0	0	0	0	0	0	0	99.88	0.48	24.69	0.308	8.14	0.541	3.033
J56	0	0	1333.47	4/13/2017 0:00	0	17.59	17.59	0.305	0.305	0	0	0	0	0	0	0	0	99.81	0.47	17.59	0.305	8.23	0.816	2.137
J86	0.24	1.25	1280.25	4/13/2017 12:25	1.25	25.97	131.87	0.232	5.71	0	0	0	0	0	0	0	0	100	8.85	131.87	5.714	319.33	23.267	0.413
J86_1	0.09	0.15	1279.15	4/13/2017 12:37	0.15	0	20.44	0	1.04	0	0	0	0	0	0	0	0	100	1.61	20.44	1.039	48.41	1.547	0.422
M33042417	3.48	7.17	1226.17	4/13/2017 15:38	7.17	0	2276.59	0	508	0	0	0	0	0	0	0	0	100	786.13	2276.59	508.07	6270.51	379.747	0.363
MAS117	0.02	0.38	1274.41	4/13/2017 12:00	0.38	13.99	72.27	0.25	0.881	0	0	0	0	0	0	0	0	100	1.36	72.27	0.881	62.32	3.418	1.16
MAS127	0.42	1.22	1269.22	4/13/2017 12:13	1.22	13.6	199.9	0.116	10.8	0	0	0	0	0	0	0	0	100	16.69	199.9	10.774	517.75	32.309	0.386
MAS127_1	0.03	0.46	1268.46	4/13/2017 12:00	0.46	0	21.76	0	0.242	0	0	0	0	0	0	0	0	100	0.37	21.76	0.242	11.12	0.034	1.957
MAS130	0.23	1.82	1279.82	4/13/2017 12:11	1.82	0	581.09	0	13.1	0	0	0	0	0	0	0	0	100	20.29	581.09	13.088	351.02	38.361	1.655
MAS80	0.21	1.27	1328.83	4/13/2017 12:03	1.27	62.1	206.54	0.783	5.75	0	0	0	0	0	0	0	0	100	8.9	206.54	5.748	155.31	20.476	1.33
2	0	0	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Outfalls SWMM 5-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Flow Frequency	Avg. Flow (cfs)	Max. Flow (cfs)	Total Flow (MG)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2027	0	0	1351.98	4/13/2017 0:00	0	23.95	23.95	0.315	0.315	0	0	0	0	0	0	0	0	99.85	0.49	23.95	0.315	5.5	0.15	4.355
J2069	0	0	1366.03	4/13/2017 0:00	0	32.55	32.55	0.548	0.548	0	0	0	0	0	0	0	0	99.89	0.85	32.55	0.548	8.88	0.876	3.666
J2107	0.05	0.75	1358.84	4/13/2017 12:00	0.74	76.64	268.19	1.05	3.53	0	0	0	0	0	0	0	0	100	5.47	268.19	3.531	63.66	1.01	4.213
J2877	0	0	1347.64	4/13/2017 0:00	0	21.71	21.71	0.31	0.31	0	0	0	0	0	0	0	0	99.85	0.48	21.71	0.31	5.29	0.295	4.104
J2944	0.07	0.85	1350.85	4/13/2017 12:06	0.85	49.83	276.28	0.593	6.06	0	0	0	0	0	0	0	0	100	9.39	276.28	6.056	99.83	8.714	2.768
J51	0	0	1307.5	4/13/2017 0:00	0	45.72	45.72	0.598	0.598	0	0	0	0	0	0	0	0	99.9	0.93	45.72	0.598	14.93	0.487	3.062
J52	0	0	1314.55	4/13/2017 0:00	0	62.76	62.76	0.848	0.848	0	0	0	0	0	0	0	0	99.92	1.31	62.76	0.848	14.85	0.688	4.226
J53	0	0	1322	4/13/2017 0:00	0	22.7	22.7	0.355	0.355	0	0	0	0	0	0	0	0	99.78	0.55	22.7	0.355	7.55	0.109	3.007
J54	0	0	1317.44	4/13/2017 0:00	0	37.54	37.54	0.498	0.498	0	0	0	0	0	0	0	0	99.92	0.77	37.54	0.498	8.14	0.541	4.612
J56	0	0	1333.47	4/13/2017 0:00	0	28.44	28.44	0.504	0.504	0	0	0	0	0	0	0	0	99.86	0.78	28.44	0.504	8.23	0.816	3.456
J86	0.28	2.03	1281.03	4/13/2017 12:15	2.03	49.12	468.67	0.504	11.4	0	0	0	0	0	0	0	0	100	17.81	468.67	11.424	319.33	23.267	1.468
J86_1	0.09	0.2	1279.2	4/13/2017 12:26	0.2	0	56.94	0	1.95	0	0	0	0	0	0	0	0	100	3.08	56.94	1.953	48.41	1.547	1.176
M33042417	5.92	16.47	1235.47	4/13/2017 16:12	16.46	0	14942.61	0	1950	0	0	0	0	0	0	0	0	100	3050.08	14942.61	1952.41	6270.51	379.747	2.383
MAS117	0.03	0.55	1274.58	4/13/2017 12:00	0.55	33.39	159.76	0.545	1.99	0	0	0	0	0	0	0	0	100	3.07	159.76	1.99	62.32	3.418	2.564
MAS127	0.48	1.69	1269.69	4/13/2017 12:08	1.69	23.22	456.93	0.222	20.3	0	0	0	0	0	0	0	0	100	32.24	456.93	20.251	517.75	32.309	0.883
MAS127_1	0.04	0.6	1268.6	4/13/2017 12:00	0.6	0	39.26	0	0.484	0	0	0	0	0	0	0	0	100	0.75	39.26	0.484	11.12	0.034	3.531
MAS130	0.27	2.27	1280.27	4/13/2017 12:09	2.27	0	979.17	0	20.7	0	0	0	0	0	0	0	0	100	32.33	979.17	20.738	351.02	38.361	2.789
MAS80	0.26	1.53	1329.09	4/13/2017 12:02	1.53	93.8	319.89	1.2	9.16	0	0	0	0	0	0	0	0	100	14.33	319.89	9.163	155.31	20.476	2.06
2	0	0	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Outfalls SWMM 10-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Flow Frequency	Avg. Flow (cfs)	Max. Flow (cfs)	Total Flow (MG)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2027	0	0	1351.98	4/13/2017 0:00	0	27.97	27.97	0.379	0.379	0	0	0	0	0	0	0	0	99.87	0.59	27.97	0.379	5.5	0.15	5.085
J2069	0	0	1366.03	4/13/2017 0:00	0	38.33	38.33	0.656	0.656	0	0	0	0	0	0	0	0	99.9	1.03	38.33	0.656	8.88	0.876	4.316
J2107	0.05	0.8	1358.89	4/13/2017 12:00	0.8	89.91	315.41	1.27	4.26	0	0	0	0	0	0	0	0	100	6.68	315.41	4.258	63.66	1.01	4.955
J2877	0	0	1347.64	4/13/2017 0:00	0	25.52	25.52	0.373	0.373	0	0	0	0	0	0	0	0	99.87	0.58	25.52	0.373	5.29	0.295	4.824
J2944	0.08	0.88	1350.88	4/13/2017 12:06	0.88	58.68	304.52	0.714	7.21	0	0	0	0	0	0	0	0	100	11.31	304.52	7.205	99.83	8.714	3.05
J51	0	0	1307.5	4/13/2017 0:00	0	55.16	55.16	0.746	0.746	0	0	0	0	0	0	0	0	99.91	1.17	55.16	0.746	14.93	0.487	3.695
J52	0	0	1314.55	4/13/2017 0:00	0	73.43	73.43	1.02	1.02	0	0	0	0	0	0	0	0	99.93	1.6	73.43	1.02	14.85	0.688	4.945
J53	0	0	1322	4/13/2017 0:00	0	27.59	27.59	0.438	0.438	0	0	0	0	0	0	0	0	99.81	0.69	27.59	0.438	7.55	0.109	3.654
J54	0	0	1317.44	4/13/2017 0:00	0	44.22	44.22	0.595	0.595	0	0	0	0	0	0	0	0	99.92	0.93	44.22	0.595	8.14	0.541	5.432
J56	0	0	1333.47	4/13/2017 0:00	0	33.8	33.8	0.605	0.605	0	0	0	0	0	0	0	0	99.88	0.95	33.8	0.605	8.23	0.816	4.107
J86	0.3	2.32	1281.32	4/13/2017 12:14	2.32	61.06	636.85	0.658	14.4	0	0	0	0	0	0	0	0	100	22.56	636.85	14.374	319.33	23.267	1.994
J86_1	0.09	0.23	1279.23	4/13/2017 12:23	0.23	0	77.26	0	2.4	0	0	0	0	0	0	0	0	100	3.79	77.26	2.403	48.41	1.547	1.596
M33042417	7.05	21.01	1240.01	4/13/2017 15:51	21	0	28669.75	0	3360	0	0	0	0	0	0	0	0	100	5258.61	28669.75	3359.659	6270.51	379.747	4.572
MAS117	0.04	0.61	1274.64	4/13/2017 12:00	0.61	42.86	199.58	0.705	2.53	0	0	0	0	0	0	0	0	100	3.97	199.58	2.533	62.32	3.418	3.203
MAS127	0.51	1.83	1269.83	4/13/2017 12:06	1.83	28.03	593.78	0.28	25	0	0	0	0	0	0	0	0	100	39.33	593.78	25.008	517.75	32.309	1.147
MAS127_1	0.04	0.65	1268.65	4/13/2017 12:00	0.65	0	47.3	0	0.597	0	0	0	0	0	0	0	0	100	0.94	47.3	0.597	11.12	0.034	4.254
MAS130	0.29	2.46	1280.46	4/13/2017 12:09	2.46	0	1188.11	0	24.6	0	0	0	0	0	0	0	0	100	38.63	1188.11	24.618	351.02	38.361	3.385
MAS80	0.29	1.68	1329.24	4/13/2017 12:02	1.68	108.52	377.11	1.41	10.9	0	0	0	0	0	0	0	0	100	17.15	377.11	10.937	155.31	20.476	2.428
2	0	0	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Outfalls SWMM 25-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Flow Frequency	Avg. Flow (cfs)	Max. Flow (cfs)	Total Flow (MG)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2027	0	0	1351.98	4/13/2017 0:00	0	35.7	35.7	0.513	0.513	0	0	0	0	0	0	0	0	99.9	0.84	35.7	0.513	5.5	0.15	6.491
J2069	0	0	1366.03	4/13/2017 0:00	0	49.77	49.77	0.88	0.88	0	0	0	0	0	0	0	0	99.92	1.44	49.77	0.88	8.88	0.876	5.605
J2107	0.07	0.91	1359	4/13/2017 12:00	0.91	115.75	406.8	1.72	5.79	0	0	0	0	0	0	0	0	100	9.55	406.8	5.785	63.66	1.01	6.39
J2877	0	0	1347.64	4/13/2017 0:00	0	32.92	32.92	0.503	0.503	0	0	0	0	0	0	0	0	99.89	0.83	32.92	0.503	5.29	0.295	6.223
J2944	0.1	0.92	1350.92	4/13/2017 12:08	0.92	75.99	352.86	0.967	9.6	0	0	0	0	0	0	0	0	100	15.8	352.86	9.597	99.83	8.714	3.535
J51	0	0	1307.5	4/13/2017 0:00	0	73.94	73.94	1.05	1.05	0	0	0	0	0	0	0	0	99.93	1.74	73.94	1.053	14.93	0.487	4.952
J52	0	0	1314.55	4/13/2017 0:00	0	94.79	94.79	1.38	1.38	0	0	0	0	0	0	0	0	99.94	2.27	94.79	1.379	14.85	0.688	6.383
J53	0	0	1322	4/13/2017 0:00	0	37.52	37.52	0.61	0.61	0	0	0	0	0	0	0	0	99.86	1.01	37.52	0.61	7.55	0.109	4.97
J54	0	0	1317.44	4/13/2017 0:00	0	57.25	57.25	0.797	0.797	0	0	0	0	0	0	0	0	99.94	1.31	57.25	0.797	8.14	0.541	7.033
J56	0	0	1333.47	4/13/2017 0:00	0	44.5	44.5	0.813	0.813	0	0	0	0	0	0	0	0	99.9	1.33	44.5	0.813	8.23	0.816	5.407
J86	0.34	2.73	1281.73	4/13/2017 12:11	2.73	84.44	997.78	0.981	20.4	0	0	0	0	0	0	0	0	100	33.87	997.78	20.438	319.33	23.267	3.125
J86_1	0.1	0.29	1279.29	4/13/2017 12:17	0.29	0	122.02	0	3.32	0	0	0	0	0	0	0	0	100	5.41	122.02	3.322	48.41	1.547	2.521
M33042417	8.96	24.93	1243.93	4/13/2017 15:34	24.93	1.1	47071.15	0.003	6050	0	0	0	0	0	0	0	0	100	9499.31	47071.15	6046.789	6270.51	379.747	7.507
MAS117	0.04	0.72	1274.75	4/13/2017 12:00	0.72	63	279.88	1.06	3.67	0	0	0	0	0	0	0	0	100	6.1	279.88	3.672	62.32	3.418	4.491
MAS127	0.55	2.06	1270.06	4/13/2017 12:04	2.06	37.36	861.13	0.401	34.8	0	0	0	0	0	0	0	0	100	55.82	861.13	34.775	517.75	32.309	1.663
MAS127_1	0.05	0.73	1268.73	4/13/2017 12:00	0.73	0	63.05	0	0.833	0	0	0	0	0	0	0	0	100	1.38	63.05	0.833	11.12	0.034	5.67
MAS130	0.33	2.88	1280.88	4/13/2017 12:08	2.88	0	1678.02	0	32.7	0	0	0	0	0	0	0	0	100	54.15	1678.02	32.665	351.02	38.361	4.78
MAS80	0.33	2.02	1329.58	4/13/2017 12:03	2.02	137.41	522.93	1.84	14.6	0	0	0	0	0	0	0	0	100	23.65	522.93	14.617	155.31	20.476	3.367
2	0	0	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Outfalls SWMM 50-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Flow Frequency	Avg. Flow (cfs)	Max. Flow (cfs)	Total Flow (MG)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2027	0	0	1351.98	4/13/2017 0:00	0	47.59	47.59	0.719	0.719	0	0	0	0	0	0	0	0	99.92	1.19	47.59	0.719	5.5	0.15	8.653
J2069	0	0	1366.03	4/13/2017 0:00	0	66.47	66.47	1.22	1.22	0	0	0	0	0	0	0	0	99.94	2	66.47	1.22	8.88	0.876	7.485
J2107	0.08	1.04	1359.13	4/13/2017 11:58	1.04	155.16	533.79	2.42	8.13	0	0	0	0	0	0	0	0	100	13.46	533.79	8.129	63.66	1.01	8.385
J2877	0	0	1347.64	4/13/2017 0:00	0	43.41	43.41	0.702	0.702	0	0	0	0	0	0	0	0	99.92	1.16	43.41	0.702	5.29	0.295	8.206
J2944	0.12	1.17	1351.17	4/13/2017 12:05	1.17	99.99	527.35	1.36	13.2	0	0	0	0	0	0	0	0	100	21.76	527.35	13.246	99.83	8.714	5.282
J51	0	0	1307.5	4/13/2017 0:00	0	100.85	100.85	1.52	1.52	0	0	0	0	0	0	0	0	99.95	2.52	100.85	1.524	14.93	0.487	6.755
J52	0	0	1314.55	4/13/2017 0:00	0	126.77	126.77	1.93	1.93	0	0	0	0	0	0	0	0	99.96	3.18	126.77	1.928	14.85	0.688	8.537
J53	0	0	1322	4/13/2017 0:00	0	51.78	51.78	0.874	0.874	0	0	0	0	0	0	0	0	99.89	1.45	51.78	0.874	7.55	0.109	6.858
J54	0	0	1317.44	4/13/2017 0:00	0	75.24	75.24	1.11	1.11	0	0	0	0	0	0	0	0	99.96	1.82	75.24	1.105	8.14	0.541	9.243
J56	0	0	1333.47	4/13/2017 0:00	0	59.59	59.59	1.13	1.13	0	0	0	0	0	0	0	0	99.92	1.85	59.59	1.128	8.23	0.816	7.241
J86	0.38	3.22	1282.22	4/13/2017 12:09	3.22	117	1543.29	1.46	29.5	0	0	0	0	0	0	0	0	100	48.77	1543.29	29.481	319.33	23.267	4.833
J86_1	0.1	0.37	1279.37	4/13/2017 12:13	0.37	0	196.05	0	4.72	0	0	0	0	0	0	0	0	100	7.71	196.05	4.72	48.41	1.547	4.05
M33042417	12.07	26.65	1245.65	4/13/2017 15:32	26.65	5.64	57338.74	0.025	9050	0	0	0	0	0	0	0	0	100	14205.64	57338.74	9053.643	6270.51	379.747	9.144
MAS117	0.05	0.85	1274.88	4/13/2017 12:00	0.85	93.88	396.15	1.6	5.41	0	0	0	0	0	0	0	0	100	9.02	396.15	5.41	62.32	3.418	6.357
MAS127	0.61	2.34	1270.34	4/13/2017 12:21	2.34	51.97	1243.9	0.582	49.4	0	0	0	0	0	0	0	0	100	80.05	1243.9	49.447	517.75	32.309	2.403
MAS127_1	0.06	0.82	1268.82	4/13/2017 12:00	0.82	0	85.13	0	1.2	0	0	0	0	0	0	0	0	100	1.99	85.13	1.196	11.12	0.034	7.656
MAS130	0.39	3.3	1281.3	4/13/2017 12:06	3.3	0	2353.59	0	44.9	0	0	0	0	0	0	0	0	100	74.21	2353.59	44.883	351.02	38.361	6.705
MAS80	0.39	2.41	1329.97	4/13/2017 12:01	2.4	177.51	820.5	2.48	20.2	0	0	0	0	0	0	0	0	100	32.79	820.5	20.174	155.31	20.476	5.283
2	0	0	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Outfalls SWMM 100-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Flow Frequency	Avg. Flow (cfs)	Max. Flow (cfs)	Total Flow (MG)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2027	0	0	1351.98	4/13/2017 0:00	0	54.35	54.35	0.845	0.845	0	0	0	0	0	0	0	0	99.93	1.42	54.35	0.845	5.5	0.15	9.882
J2069	0	0	1366.03	4/13/2017 0:00	0	76.39	76.39	1.43	1.43	0	0	0	0	0	0	0	0	99.95	2.37	76.39	1.425	8.88	0.876	8.602
J2107	0.09	1.11	1359.2	4/13/2017 11:58	1.11	177.74	606.74	2.84	9.56	0	0	0	0	0	0	0	0	100	16.04	606.74	9.558	63.66	1.01	9.531
J2877	0	0	1347.64	4/13/2017 0:00	0	49.76	49.76	0.822	0.822	0	0	0	0	0	0	0	0	99.92	1.38	49.76	0.822	5.29	0.295	9.406
J2944	0.13	1.33	1351.33	4/13/2017 12:04	1.33	113.59	695.75	1.6	15.5	0	0	0	0	0	0	0	0	100	25.74	695.75	15.465	99.83	8.714	6.969
J51	0	0	1307.5	4/13/2017 0:00	0	116.2	116.2	1.81	1.81	0	0	0	0	0	0	0	0	99.96	3.05	116.2	1.812	14.93	0.487	7.783
J52	0	0	1314.55	4/13/2017 0:00	0	144.93	144.93	2.26	2.26	0	0	0	0	0	0	0	0	99.96	3.79	144.93	2.262	14.85	0.688	9.76
J53	0	0	1322	4/13/2017 0:00	0	59.9	59.9	1.03	1.03	0	0	0	0	0	0	0	0	99.91	1.74	59.9	1.035	7.55	0.109	7.934
J54	0	0	1317.44	4/13/2017 0:00	0	85.45	85.45	1.29	1.29	0	0	0	0	0	0	0	0	99.96	2.16	85.45	1.292	8.14	0.541	10.498
J56	0	0	1333.47	4/13/2017 0:00	0	68.16	68.16	1.32	1.32	0	0	0	0	0	0	0	0	99.93	2.19	68.16	1.318	8.23	0.816	8.282
J86	0.4	3.48	1282.48	4/13/2017 12:08	3.48	136.58	1871.99	1.75	34.9	0	0	0	0	0	0	0	0	100	58.41	1871.99	34.926	319.33	23.267	5.862
J86_1	0.1	0.42	1279.42	4/13/2017 12:11	0.42	0	243.54	0	5.58	0	0	0	0	0	0	0	0	100	9.23	243.54	5.576	48.41	1.547	5.031
M33042417	14.31	28.19	1247.19	4/13/2017 15:43	28.19	8.91	66199.75	0.043	12600	0	0	0	0	0	0	0	0	100	19841.56	66199.75	12643.472	6270.51	379.747	10.557
MAS117	0.06	0.92	1274.95	4/13/2017 12:00	0.91	112.29	462.87	1.93	6.46	0	0	0	0	0	0	0	0	100	10.94	462.87	6.463	62.32	3.418	7.427
MAS127	0.64	2.73	1270.73	4/13/2017 12:15	2.73	60.3	1829.67	0.693	58.3	0	0	0	0	0	0	0	0	100	95.51	1829.67	58.297	517.75	32.309	3.534
MAS127_1	0.07	0.86	1268.86	4/13/2017 12:00	0.86	0	97.5	0	1.42	0	0	0	0	0	0	0	0	100	2.39	97.5	1.418	11.12	0.034	8.768
MAS130	0.42	3.5	1281.5	4/13/2017 12:05	3.5	0	2700.62	0	52.3	0	0	0	0	0	0	0	0	100	87.23	2700.62	52.312	351.02	38.361	7.694
MAS80	0.43	2.59	1330.15	4/13/2017 12:01	2.59	200.19	975.23	2.87	23.5	0	0	0	0	0	0	0	0	100	38.49	975.23	23.517	155.31	20.476	6.279
2	0	0	0	4/13/2017 0:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Storages Outputs

Storages SWMM 2-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Avg. Volume (1000 ft³)	Avg. Percent Full (%)	Evaporation Loss (%)	Infiltration Loss (%)	Total Percent Loss (%)	Max. Volume (1000 ft³)	Max. Percent Full (%)	Max. Outflow (cfs)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2832	5.05	6.09	1250.09	4/13/2017 16:37	6.09	45.06	1826.33	0.62	418	0.041	0	0	59.91	0	0	0	0	191.372	0	0	0	0	381.441	1	1826.01	2091.83	177.907	0.873
J82	1.32	2.61	1282.61	4/13/2017 23:59	2.61	26.04	43.85	0.367	0.885	-5.807	0	0	6.39	0	0	0	0	59.628	3	0	0	0	125.24	7	6.47	103.23	6.598	0.425
MAS149_Rev	5.04	5.84	1341.84	4/13/2017 12:05	5.84	11.32	61.04	0.088	0.819	-1.138	0	0	20.16	0	0	0	0	41.614	9	0	0	0	55.081	11	34.35	28.41	0.429	2.149
MAS78_Rev	3.06	3.71	1352.71	4/13/2017 12:00	3.71	36.13	36.13	0.355	0.486	-0.076	0	0	44.29	0	0	0	0	17.218	2	0	0	0	23.212	3	33.51	14.67	0.767	2.463
MASJ1365	7.23	7.44	1319.44	4/13/2017 12:26	7.44	13.15	20.25	0.155	1.06	-4.341	0	0	69.56	0	0	0	0	94.239	0	0	0	0	104.991	0	4.14	30.31	1.951	0.668
S_MAS1_Rev	0.34	2.17	1328.17	4/13/2017 12:06	2.17	24.44	165.31	0.282	4.3	-0.635	0	0	18.128	0	0	0	0	0.926	0	0	0	0	12.453	1	106.96	212.48	20.186	0.778
S_MAS2_Rev	0.51	2.59	1345.59	4/13/2017 12:15	2.59	20.89	61.91	0.245	1.89	-1.485	0	0	8.41	0	0	0	0	4.249	1	0	0	0	31.569	10	40.72	97.57	10.384	0.635
S_MAS5_Rev	7.1	8.94	1373.78	4/13/2017 12:46	8.93	35.97	97.62	0.471	4.11	4.051	0	0	20.06	0	0	0	0	177.989	10	0	0	0	260.975	15	59.82	47.47	5.666	2.056
S_MAS6_Rev	0.08	0.57	1321.57	4/13/2017 12:05	0.57	25.08	143.32	0.218	4.91	-1.03	0	0	40.684	0	0	0	0	0.122	0	0	0	0	1.215	0	139.26	246.1	21.98	0.582
S_MAS7_Rev	0.41	2.02	1318.02	4/13/2017 12:22	2.02	27.3	151.84	0.292	5.31	-2.272	0	0	37.98	0	0	0	0	4.371	0	0	0	0	40.677	1	101.54	263.68	23.114	0.576
S_MAS8_Rev	0.42	1.92	1299.44	4/13/2017 12:38	1.92	46.12	142.09	0.543	6.93	-0.959	0	0	20.08	0	0	0	0	4.823	0	0	0	0	31.301	1	99.14	343.83	26.264	0.413
SMS1_Rev	0.14	1.25	1321.41	4/13/2017 12:03	1.25	0	208.28	0	4.03	-0.555	0	0	33.75	0	0	0	0	0.425	0	0	0	0	4.932	0	194.89	90.95	17.282	2.29
J127	1.33	2.61	1282.61	4/13/2017 23:59	2.61	67.21	71.2	1.31	1.33	0.666	0	0	4.39	0	0	0	0	61.033	3	0	0	0	126.4	7	23.76	42.31	2.148	1.683
J124	2.69	4.61	1282.61	4/13/2017 23:59	4.61	52.09	52.09	0.774	1.16	4.782	0	0	4.39	0	0	0	0	38.985	9	0	0	0	75.456	17	36.34	63.59	3.676	0.819
J80	1.9	3.56	1282.56	4/14/2017 0:00	3.56	64.99	64.99	1.06	1.06	0	0	0	4.44	0	0	0	0	69.324	6	0	0	0	141.22	11	0	28.92	2.475	2.247

Storages SWMM 5-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Avg. Volume (1000 ft³)	Avg. Percent Full (%)	Evaporation Loss (%)	Infiltration Loss (%)	Total Percent Loss (%)	Max. Volume (1000 ft³)	Max. Percent Full (%)	Max. Outflow (cfs)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2832	6.26	12.07	1256.07	4/13/2017 15:52	12.06	71.19	16327.3	0.938	1720	0.136	0	0	53.93	0	0	0	0	527.364	1	0	0	0	2323.395	5	14923.97	2091.83	177.907	7.805
J82	1.67	3.25	1283.25	4/13/2017 23:59	3.25	41.85	123.45	0.613	1.61	-14.063	0	0	5.75	0	0	0	0	118.899	6	0	0	0	248.731	13	23.12	103.23	6.598	1.196
MAS149_Rev	5.06	6.43	1342.43	4/13/2017 12:03	6.43	19.09	111.03	0.164	1.36	-0.512	0	0	19.57	0	0	0	0	41.912	9	0	0	0	65.702	13	76.13	28.41	0.429	3.908
MAS78_Rev	3.08	3.91	1352.91	4/13/2017 12:00	3.91	62.19	62.19	0.678	0.81	-0.053	0	0	44.09	0	0	0	0	17.336	2	0	0	0	25.23	4	61.47	14.67	0.767	4.239
MASJ1365	7.24	7.6	1319.6	4/13/2017 12:11	7.6	19.1	47.35	0.229	1.31	-4.166	0	0	69.4	0	0	0	0	95.066	0	0	0	0	113.408	0	12.88	30.31	1.951	1.562
S_MAS1_Rev	0.45	4.1	1330.1	4/13/2017 12:11	4.1	49.97	433.07	0.527	8.11	0.029	0	0	16.198	0	0	0	0	2.06	0	0	0	0	51.447	6	226.88	212.48	20.186	2.038
S_MAS2_Rev	0.59	2.78	1345.78	4/13/2017 12:01	2.78	46.36	142.64	0.493	3.63	-0.741	0	0	8.22	0	0	0	0	5.193	2	0	0	0	35.207	11	136.01	97.57	10.384	1.462
S_MAS5_Rev	7.38	10.02	1374.86	4/13/2017 12:47	10.02	54.71	215.41	0.725	6.68	2.716	0	0	18.98	0	0	0	0	192.229	11	0	0	0	322.964	18	156.9	47.47	5.666	4.538
S_MAS6_Rev	0.1	0.89	1321.89	4/13/2017 12:04	0.89	61.61	302.86	0.562	9.36	-0.605	0	0	40.364	0	0	0	0	0.181	0	0	0	0	2.295	0	297.25	246.1	21.98	1.231
S_MAS7_Rev	0.51	2.89	1318.89	4/13/2017 12:12	2.89	54.12	330.42	0.625	10.1	-1.055	0	0	37.11	0	0	0	0	6.967	0	0	0	0	78.988	1	282.54	263.68	23.114	1.253
S_MAS8_Rev	0.61	3.72	1301.24	4/13/2017 12:44	3.72	77.83	368.84	0.988	13.2	0.191	0	0	18.28	0	0	0	0	9.568	0	0	0	0	97.293	4	188.06	343.83	26.264	1.073
SMS1_Rev	0.17	1.69	1321.85	4/13/2017 12:02	1.69	0	330.98	0	6.12	-0.328	0	0	33.31	0	0	0	0	0.527	0	0	0	0	7.409	0	309.39	90.95	17.282	3.639
J127	1.67	3.25	1283.25	4/13/2017 23:59	3.25	113.66	129.87	2.3	2.35	1.997	0	0	3.75	0	0	0	0	104.683	6	0	0	0	215.899	12	52.32	42.31	2.148	3.069
J124	3.13	5.25	1283.25	4/13/2017 23:59	5.25	83.1	102.24	1.28	1.97	11.631	0	0	3.75	0	0	0	0	53.56	12	0	0	0	103.005	24	94.72	63.59	3.676	1.608
J80	2.31	4.25	1283.25	4/13/2017 23:59	4.25	102.86	102.86	1.69	1.7	1.177	0	0	3.75	0	0	0	0	109.027	9	0	0	0	218.964	18	6.17	28.92	2.475	3.557

Storages SWMM 10-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Avg. Volume (1000 ft³)	Avg. Percent Full (%)	Evaporation Loss (%)	Infiltration Loss (%)	Total Percent Loss (%)	Max. Volume (1000 ft³)	Max. Percent Full (%)	Max. Outflow (cfs)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2832	6.98	15.67	1259.67	4/13/2017 15:27	15.66	83.9	29258.22	1.1	2990	0.067	0	0	50.33	0	0	0	0	800.381	2	0	0	0	3962.783	8	28240.94	2091.83	177.907	13.987
J82	1.8	3.51	1283.51	4/13/2017 23:59	3.51	49.5	168.39	0.74	2.02	-15.678	0	0	5.49	0	0	0	0	150.323	8	0	0	0	315.485	17	42.33	103.23	6.598	1.631
MAS149_Rev	5.06	6.67	1342.67	4/13/2017 12:03	6.67	22.52	134.05	0.199	1.62	-0.366	0	0	19.33	0	0	0	0	42.049	9	0	0	0	70.136	14	95.87	28.41	0.429	4.718
MAS78_Rev	3.08	3.97	1352.97	4/13/2017 11:58	3.97	74.44	74.44	0.822	0.954	-0.046	0	0	44.03	0	0	0	0	17.384	3	0	0	0	25.816	4	72.47	14.67	0.767	5.074
MASJ1365	7.25	7.67	1319.67	4/13/2017 12:10	7.67	22.42	61.16	0.276	1.54	-3.747	0	0	69.33	0	0	0	0	95.515	0	0	0	0	117.84	0	19.23	30.31	1.951	2.018
S_MAS1_Rev	0.52	5.04	1331.04	4/13/2017 12:12	5.04	62.32	554.29	0.657	10.1	0.178	0	0	15.258	0	0	0	0	3.22	0	0	0	0	83.803	10	256.99	212.48	20.186	2.609
S_MAS2_Rev	0.62	2.84	1345.84	4/13/2017 12:00	2.84	59.09	184.16	0.622	4.51	-0.591	0	0	8.16	0	0	0	0	5.502	2	0	0	0	36.455	12	180.36	97.57	10.384	1.887
S_MAS5_Rev	7.51	10.5	1375.34	4/13/2017 12:52	10.49	64.62	358.02	0.865	8.61	2.175	0	0	18.5	0	0	0	0	198.832	11	0	0	0	352.513	20	233.56	47.47	5.666	7.542
S_MAS6_Rev	0.11	0.98	1321.98	4/13/2017 12:01	0.98	76.95	369.41	0.727	11.6	-0.488	0	0	40.274	0	0	0	0	0.21	0	0	0	0	2.657	0	351.71	246.1	21.98	1.501
S_MAS7_Rev	0.54	2.99	1318.99	4/13/2017 12:09	2.99	66.21	405.26	0.788	12.5	-0.82	0	0	37.01	0	0	0	0	7.893	0	0	0	0	84.185	2	345.07	263.68	23.114	1.537
S_MAS8_Rev	0.73	4.61	1302.13	4/13/2017 12:54	4.61	93.73	485.56	1.22	16.4	0.53	0	0	17.39	0	0	0	0	14.102	1	0	0	0	148.206	6	202.24	343.83	26.264	1.412
SMS1_Rev	0.18	1.88	1322.04	4/13/2017 12:02	1.88	0	386.34	0	7.19	-0.265	0	0	33.12	0	0	0	0	0.579	0	0	0	0	8.617	0	361.85	90.95	17.282	4.248
J127	1.8	3.51	1283.51	4/13/2017 23:59	3.51	137.43	146.14	2.81	2.86	2.355	0	0	3.49	0	0	0	0	127.361	7	0	0	0	264.259	14	64.06	42.31	2.148	3.454
J124	3.3	5.51	1283.51	4/13/2017 23:59	5.51	98.03	136.9	1.53	2.35	13.552	0	0	3.49	0	0	0	0	60.025	14	0	0	0	115.974	27	125.02	63.59	3.676	2.153
J80	2.46	4.51	1283.51	4/13/2017 23:59	4.51	122.1	122.1	2.04	2.06	1.75	0	0	3.49	0	0	0	0	126.57	10	0	0	0	255.576	21	16.74	28.92	2.475	4.222

Storages SWMM 25-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Avg. Volume (1000 ft³)	Avg. Percent Full (%)	Evaporation Loss (%)	Infiltration Loss (%)	Total Percent Loss (%)	Max. Volume (1000 ft³)	Max. Percent Full (%)	Max. Outflow (cfs)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2832	8.22	18.79	1262.79	4/13/2017 15:20	18.79	111.77	45713.77	1.43	5390	0.07	0	0	47.21	0	0	0	0	1293.222	3	0	0	0	5724.665	12	44697.12	2091.83	177.907	21.853
J82	2.03	3.95	1283.95	4/13/2017 23:59	3.95	64.41	220.22	1	2.8	-17.731	0	0	5.05	0	0	0	0	213.311	11	0	0	0	446.747	24	125.01	103.23	6.598	2.133
MAS149_Rev	5.08	7.09	1343.09	4/13/2017 12:02	7.09	29.15	180.7	0.273	2.14	-0.187	0	0	18.91	0	0	0	0	42.36	9	0	0	0	78.332	16	135.11	28.41	0.429	6.36
MAS78_Rev	3.09	4.07	1353.07	4/13/2017 11:57	4.07	98.76	98.76	1.12	1.25	-0.035	0	0	43.93	0	0	0	0	17.491	3	0	0	0	26.899	4	95.57	14.67	0.767	6.732
MASJ1365	7.24	7.81	1319.81	4/13/2017 12:21	7.81	29.48	88.55	0.375	2.06	-3.231	0	0	69.19	0	0	0	0	95.163	0	0	0	0	126.122	0	38.05	30.31	1.951	2.921
S_MAS1_Rev	0.62	5.9	1331.9	4/13/2017 12:06	5.9	86.68	782.63	0.924	14.1	0.243	0	0	14.398	0	0	0	0	5.031	1	0	0	0	123.222	14	503.17	212.48	20.186	3.683
S_MAS2_Rev	0.68	2.95	1345.95	4/13/2017 12:00	2.95	84.11	275.09	0.887	6.32	-0.417	0	0	8.05	0	0	0	0	6.198	2	0	0	0	38.667	12	271.24	97.57	10.384	2.819
S_MAS5_Rev	7.8	11.35	1376.19	4/13/2017 12:58	11.35	84.21	589.36	1.16	11.1	1.84	0	0	17.65	0	0	0	0	214.939	12	0	0	0	407.275	23	412.41	47.47	5.666	12.415
S_MAS6_Rev	0.14	1.33	1322.33	4/13/2017 12:06	1.33	109.99	619.18	1.06	16.2	-0.331	0	0	39.924	0	0	0	0	0.272	0	0	0	0	4.215	0	598.84	246.1	21.98	2.516
S_MAS7_Rev	0.61	3.32	1319.32	4/13/2017 12:08	3.32	90.04	643.69	1.12	17.5	-0.55	0	0	36.68	0	0	0	0	9.531	0	0	0	0	101.829	2	626.44	263.68	23.114	2.441
S_MAS8_Rev	0.9	5.56	1303.08	4/13/2017 12:29	5.56	125.36	824.85	1.7	23	0.92	0	0	16.44	0	0	0	0	21.743	1	0	0	0	219.844	8	395.92	343.83	26.264	2.399
SMS1_Rev	0.21	2.22	1322.38	4/13/2017 12:01	2.21	0	482.17	0	9.39	-0.183	0	0	32.78	0	0	0	0	0.699	0	0	0	0	10.922	1	454.48	90.95	17.282	5.301
J127	2.04	3.95	1283.95	4/13/2017 23:59	3.95	186.2	186.2	3.87	3.91	2.251	0	0	3.05	0	0	0	0	181.538	10	0	0	0	380.296	20	76.15	42.31	2.148	4.401
J124	3.59	5.95	1283.95	4/13/2017 23:59	5.95	127.23	202.69	2.07	3.05	16.529	0	0	3.05	0	0	0	0	72.674	17	0	0	0	140.629	33	157.2	63.59	3.676	3.187
J80	2.71	4.95	1283.95	4/13/2017 23:59	4.95	160.27	160.27	2.75	2.8	3.35	0	0	3.05	0	0	0	0	161.417	13	0	0	0	326.413	26	40.7	28.92	2.475	5.542

Storages SWMM 50-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Avg. Volume (1000 ft³)	Avg. Percent Full (%)	Evaporation Loss (%)	Infiltration Loss (%)	Total Percent Loss (%)	Max. Volume (1000 ft³)	Max. Percent Full (%)	Max. Outflow (cfs)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2832	9.94	19.83	1263.83	4/13/2017 15:19	19.83	162.06	50644.07	1.99	8060	0.084	0	0	46.17	0	0	0	0	1878.588	4	0	0	0	6470.148	13	50620.2	2091.83	177.907	24.21
J82	2.31	4.47	1284.47	4/13/2017 23:59	4.47	84.98	309.14	1.41	3.93	-19.846	0	0	4.53	0	0	0	0	302.721	16	0	0	0	635.83	34	67.3	103.23	6.598	2.995
MAS149_Rev	5.1	7.64	1343.64	4/13/2017 12:01	7.64	38.22	246.49	0.388	2.94	-0.046	0	0	18.36	0	0	0	0	42.747	9	0	0	0	89.084	18	191.67	28.41	0.429	8.676
MAS78_Rev	3.11	4.2	1353.2	4/13/2017 11:55	4.2	132.83	132.83	1.58	1.71	-0.024	0	0	43.8	0	0	0	0	17.63	3	0	0	0	28.364	4	129.23	14.67	0.767	9.055
MASJ1365	7.29	7.99	1319.99	4/13/2017 12:13	7.99	39.3	113.96	0.527	2.86	-2.534	0	0	69.01	0	0	0	0	97.455	0	0	0	0	137.45	0	84.01	30.31	1.951	3.76
S_MAS1_Rev	0.73	6.41	1332.41	4/13/2017 12:01	6.4	120.72	1077.12	1.32	20	0.225	0	0	13.888	0	0	0	0	6.842	1	0	0	0	152.281	17	987	212.48	20.186	5.069
S_MAS2_Rev	0.76	3.05	1346.05	4/13/2017 12:00	3.05	119.12	381.03	1.28	9.02	-0.286	0	0	7.95	0	0	0	0	7.072	2	0	0	0	40.933	13	378.74	97.57	10.384	3.905
S_MAS5_Rev	8.27	12.46	1377.3	4/13/2017 13:05	12.45	111.59	859.46	1.6	14.9	1.614	0	0	16.54	0	0	0	0	242.337	14	0	0	0	480.76	27	614.26	47.47	5.666	18.105
S_MAS6_Rev	0.16	1.89	1322.89	4/13/2017 12:02	1.88	155.94	1208.86	1.56	23.1	-0.21	0	0	39.364	0	0	0	0	0.354	0	0	0	0	7.353	0	1156.76	246.1	21.98	4.912
S_MAS7_Rev	0.68	3.76	1319.76	4/13/2017 12:03	3.75	126.71	1242.58	1.62	24.8	-0.368	0	0	36.24	0	0	0	0	11.507	0	0	0	0	128.052	2	1217.64	263.68	23.114	4.712
S_MAS8_Rev	1.03	6.13	1303.65	4/13/2017 12:14	6.13	170.47	1560.3	2.44	32.7	0.984	0	0	15.87	0	0	0	0	26.964	1	0	0	0	273.702	10	934.12	343.83	26.264	4.538
SMS1_Rev	0.25	2.52	1322.68	4/13/2017 12:00	2.51	0	563.4	0	12.7	-0.121	0	0	32.48	0	0	0	0	0.858	0	0	0	0	13.174	1	537.9	90.95	17.282	6.195
J127	2.32	4.47	1284.47	4/13/2017 23:59	4.47	257.13	257.13	5.47	5.51	1.349	0	0	2.53	0	0	0	0	271.12	15	0	0	0	572.257	31	77.1	42.31	2.148	6.077
J124	3.93	6.47	1284.47	4/13/2017 23:59	6.47	167.63	244.1	2.87	4.05	22.312	0	0	2.53	0	0	0	0	90.386	21	0	0	0	176.169	41	179.67	63.59	3.676	3.839
J80	3.02	5.47	1284.47	4/13/2017 23:59	5.47	213.9	213.9	3.83	3.96	4.449	0	0	2.53	0	0	0	0	211.06	17	0	0	0	429.959	35	85.13	28.92	2.475	7.396

Storages SWMM 100-year Outputs

Name	Avg. Depth (ft)	Max. Depth (ft)	Max. HGL (ft)	Time Max. HGL	Rep. Max. Depth (ft)	Max. Lat. Inflow (cfs)	Max. Total Inflow (cfs)	Total Lat. Inflow (MG)	Total inflow (MG)	Flow Error (%)	Hours Surcharged (h)	Max. Surcharge (ft)	Min. Freeboard (ft)	Hours Flooded (h)	Max. Flood Rate (cfs)	Total Flood Vol. (MG)	Max. Ponded Depth (ft)	Avg. Volume (1000 ft³)	Avg. Percent Full (%)	Evaporation Loss (%)	Infiltration Loss (%)	Total Percent Loss (%)	Max. Volume (1000 ft³)	Max. Percent Full (%)	Max. Outflow (cfs)	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
J2832	11.4	20.69	1264.69	4/13/2017 15:25	20.69	197.78	56475.15	2.35	11200	0.07	0	0	45.31	0	0	0	0	2503.498	5	0	0	0	7150.228	15	56425.47	2091.83	177.907	26.998
J82	2.47	4.75	1284.75	4/13/2017 23:59	4.75	96.53	364.9	1.65	4.65	-20.714	0	0	4.25	0	0	0	0	355.554	19	0	0	0	748.828	40	57.51	103.23	6.598	3.535
MAS149_Rev	5.12	7.92	1343.92	4/13/2017 12:01	7.92	43.31	284.09	0.459	3.43	0.001	0	0	18.08	0	0	0	0	43.001	9	0	0	0	94.86	19	224.21	28.41	0.429	10
MAS78_Rev	3.12	4.27	1353.27	4/13/2017 11:55	4.27	152	152	1.86	1.99	-0.018	0	0	43.73	0	0	0	0	17.721	3	0	0	0	29.136	4	148.18	14.67	0.767	10.361
MASJ1365	7.31	8.09	1320.09	4/13/2017 12:12	8.09	44.85	135.47	0.62	3.34	-2.149	0	0	68.91	0	0	0	0	98.668	0	0	0	0	143.97	0	108.92	30.31	1.951	4.469
S_MAS1_Rev	0.79	6.54	1332.54	4/13/2017 12:00	6.54	140.01	1242.87	1.55	23.5	0.202	0	0	13.758	0	0	0	0	7.813	1	0	0	0	160.614	18	1204.42	212.48	20.186	5.849
S_MAS2_Rev	0.81	3.1	1346.1	4/13/2017 12:00	3.1	138.85	429.27	1.51	10.6	-0.239	0	0	7.9	0	0	0	0	7.591	2	0	0	0	41.888	13	428.66	97.57	10.384	4.4
S_MAS5_Rev	8.57	13.07	1377.91	4/13/2017 13:06	13.07	127.11	1008.89	1.87	17.2	1.573	0	0	15.93	0	0	0	0	260.549	15	0	0	0	521.849	29	730.65	47.47	5.666	21.253
S_MAS6_Rev	0.18	2.13	1323.13	4/13/2017 12:01	2.12	181.8	1494.93	1.85	27.2	-0.166	0	0	39.124	0	0	0	0	0.402	0	0	0	0	8.956	0	1443.73	246.1	21.98	6.074
S_MAS7_Rev	0.73	3.87	1319.87	4/13/2017 12:01	3.87	148.29	1558.07	1.92	29.2	-0.301	0	0	36.13	0	0	0	0	12.597	0	0	0	0	135.096	3	1543.49	263.68	23.114	5.909
S_MAS8_Rev	1.1	6.28	1303.8	4/13/2017 12:09	6.28	197.63	2019.9	2.89	38.6	0.952	0	0	15.72	0	0	0	0	29.592	1	0	0	0	288.858	11	1415.12	343.83	26.264	5.875
SMS1_Rev	0.27	2.67	1322.83	4/13/2017 12:00	2.66	0	608.18	0	14.7	-0.098	0	0	32.33	0	0	0	0	0.96	0	0	0	0	14.36	1	578.89	90.95	17.282	6.687
J127	2.48	4.75	1284.75	4/13/2017 23:59	4.75	298.15	298.15	6.43	6.48	1.113	0	0	2.25	0	0	0	0	324.516	17	0	0	0	687.178	37	75.28	42.31	2.148	7.047
J124	4.12	6.75	1284.75	4/13/2017 23:59	6.75	191.87	263.46	3.36	4.66	25.129	0	0	2.25	0	0	0	0	101.057	23	0	0	0	197.934	46	219.14	63.59	3.676	4.143
J80	3.19	5.75	1284.75	4/13/2017 23:59	5.75	244.27	244.27	4.49	4.71	4.766	0	0	2.25	0	0	0	0	241.655	19	0	0	0	494.834	40	110.24	28.92	2.475	8.446

Weirs Outputs

Weirs SWMM 2-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max/Full Depth	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
1	0	4/13/2017 0:00	0	44.15	0.59	0
2	0	4/13/2017 0:00	0	46.86	0.59	0
C225_3	0	4/13/2017 0:00	0	103.23	6.598	0
C669	8.99	4/13/2017 12:46	0.65	47.47	5.666	0.189
MASW12	0	4/13/2017 0:00	0	4.31	0.446	0
MASW13	0	4/13/2017 0:00	0	7.96	0.533	0
MASW14	3.13	4/13/2017 12:03	0.01	7.96	0.533	0.393
MASW15	0	4/13/2017 0:00	0	12.31	0.763	0
MASW16	0.49	4/13/2017 0:00	0	17.81	0.868	0.028
MASW17	0.32	4/13/2017 0:00	0	23.2	1.538	0.014
W1	24.47	4/13/2017 12:08	0.15	57.85	5.703	0.423
W2	34.35	4/13/2017 12:05	0.28	28.41	0.429	1.209
W3	1.56	4/13/2017 12:00	0.03	8	1.566	0.195
GROF19	16.82	4/13/2017 12:25	0.17	42.31	2.148	0.398
GROF18	28.07	4/13/2017 12:23	0.17	63.59	3.676	0.441
C584_2	0	4/13/2017 0:00	0	28.92	2.475	0
7	0	4/13/2017 0:00	0	51.21	0.59	0
8	0	4/13/2017 0:00	0	51.82	0.59	0
9	0	4/13/2017 0:00	0	2501.97	223.678	0
10	0	4/13/2017 0:00	0	36.46	2.87	0

Weirs SWMM 5-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max/Full Depth	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
1	0	4/13/2017 0:00	0	44.15	0.59	0
2	0	4/13/2017 0:00	0	46.86	0.59	0
C225_3	0	4/13/2017 0:00	0	103.23	6.598	0
C669	17.4	4/13/2017 12:47	1	47.47	5.666	0.367
MASW12	0	4/13/2017 0:00	0	4.31	0.446	0
MASW13	0	4/13/2017 0:00	0	7.96	0.533	0
MASW14	19.36	4/13/2017 12:00	0.03	7.96	0.533	2.432
MASW15	0	4/13/2017 0:00	0	12.31	0.763	0
MASW16	4.89	4/13/2017 12:30	0.05	17.81	0.868	0.275
MASW17	0.32	4/13/2017 0:00	0	23.2	1.538	0.014
W1	71.66	4/13/2017 12:07	0.3	57.85	5.703	1.239
W2	76.13	4/13/2017 12:03	0.48	28.41	0.429	2.68
W3	3.61	4/13/2017 11:55	0.05	8	1.566	0.451
GROF19	43.86	4/13/2017 12:07	0.38	42.31	2.148	1.037
GROF18	83.18	4/13/2017 12:04	0.38	63.59	3.676	1.308
C584_2	6.17	4/13/2017 12:55	0.08	28.92	2.475	0.213
7	0	4/13/2017 0:00	0	51.21	0.59	0
8	0	4/13/2017 0:00	0	51.82	0.59	0
9	0	4/13/2017 0:00	0	2501.97	223.678	0
10	0	4/13/2017 0:00	0	36.46	2.87	0

Weirs SWMM 10-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max/Full Depth	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
1	0	4/13/2017 0:00	0	44.15	0.59	0
2	0	4/13/2017 0:00	0	46.86	0.59	0
C225_3	0	4/13/2017 0:00	0	103.23	6.598	0
C669	19.96	4/13/2017 12:52	1	47.47	5.666	0.42
MASW12	0	4/13/2017 0:00	0	4.31	0.446	0
MASW13	0	4/13/2017 0:00	0	7.96	0.533	0
MASW14	25.31	4/13/2017 12:00	0.04	7.96	0.533	3.18
MASW15	0	4/13/2017 0:00	0	12.31	0.763	0
MASW16	13.31	4/13/2017 12:23	0.07	17.81	0.868	0.747
MASW17	0.32	4/13/2017 0:00	0	23.2	1.538	0.014
W1	91.77	4/13/2017 12:06	0.36	57.85	5.703	1.586
W2	95.87	4/13/2017 12:03	0.56	28.41	0.429	3.375
W3	4.65	4/13/2017 11:55	0.06	8	1.566	0.581
GROF19	55.46	4/13/2017 12:03	0.47	42.31	2.148	1.311
GROF18	112.38	4/13/2017 12:01	0.47	63.59	3.676	1.767
C584_2	16.74	4/13/2017 12:29	0.17	28.92	2.475	0.579
7	0	4/13/2017 0:00	0	51.21	0.59	0
8	0	4/13/2017 0:00	0	51.82	0.59	0
9	0	4/13/2017 0:00	0	2501.97	223.678	0
10	0	4/13/2017 0:00	0	36.46	2.87	0

Weirs SWMM 25-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max/Full Depth	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
1	0	4/13/2017 0:00	0	44.15	0.59	0
2	3.55	4/13/2017 12:05	0.01	46.86	0.59	0.076
C225_3	0	4/13/2017 0:00	0	103.23	6.598	0
C669	23.83	4/13/2017 12:58	1	47.47	5.666	0.502
MASW12	0	4/13/2017 0:00	0	4.31	0.446	0
MASW13	0	4/13/2017 0:00	0	7.96	0.533	0
MASW14	36.67	4/13/2017 11:59	0.05	7.96	0.533	4.607
MASW15	0	4/13/2017 0:00	0	12.31	0.763	0
MASW16	29.92	4/13/2017 12:13	0.1	17.81	0.868	1.68
MASW17	0.32	4/13/2017 0:00	0	23.2	1.538	0.014
W1	132.91	4/13/2017 12:05	0.46	57.85	5.703	2.297
W2	135.11	4/13/2017 12:02	0.7	28.41	0.429	4.756
W3	6.71	4/13/2017 11:55	0.07	8	1.566	0.839
GROF19	68.21	4/13/2017 11:59	0.62	42.31	2.148	1.612
GROF18	147.59	4/13/2017 11:58	0.62	63.59	3.676	2.321
C584_2	40.7	4/13/2017 12:11	0.32	28.92	2.475	1.407
7	694.92	4/13/2017 15:48	0.25	51.21	0.59	13.57
8	366.73	4/13/2017 15:11	0.72	51.82	0.59	7.077
9	852.24	4/13/2017 15:22	0.27	2501.97	223.678	0.341
10	1321.01	4/13/2017 15:41	0.43	36.46	2.87	36.232

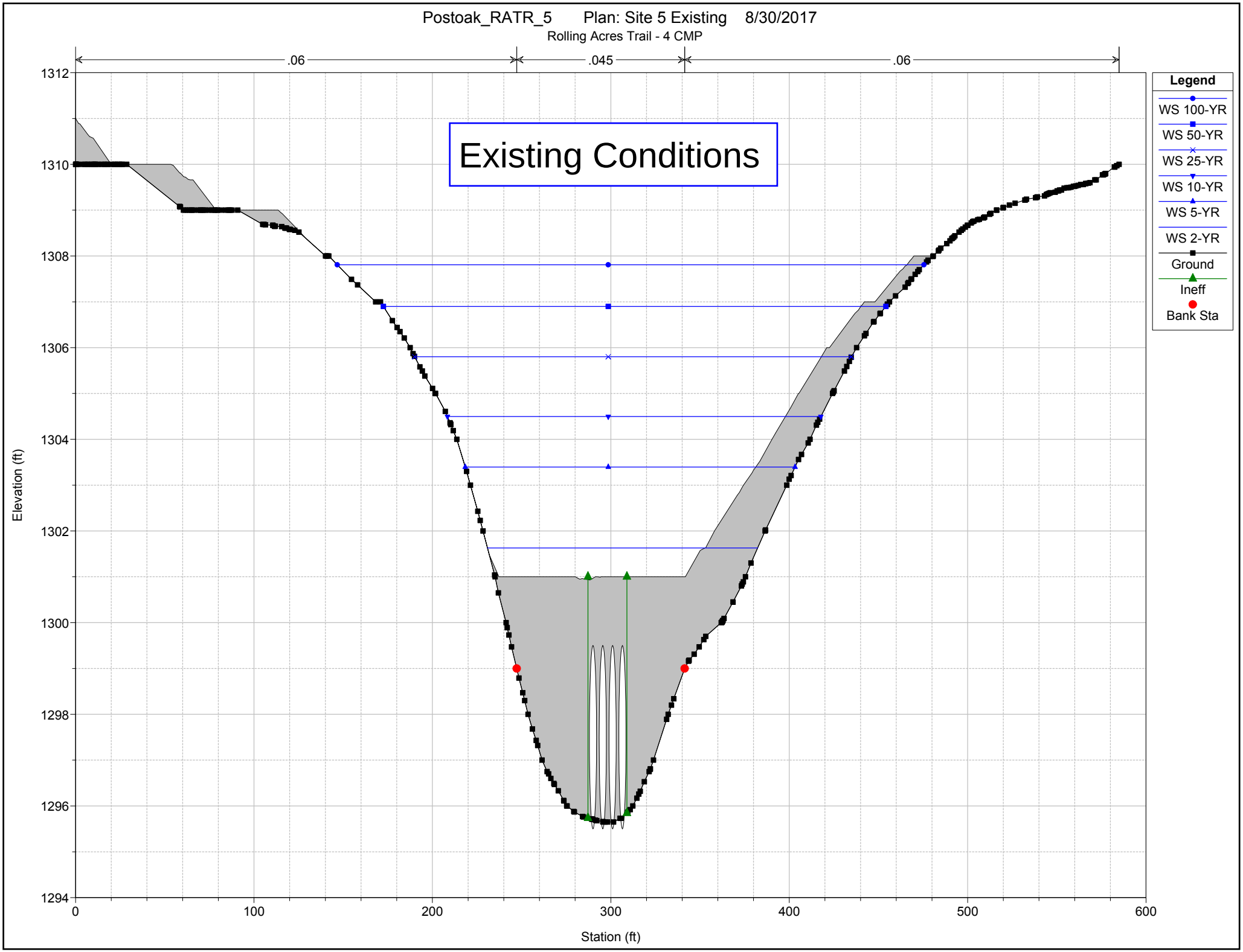
Weirs SWMM 50-year Outputs

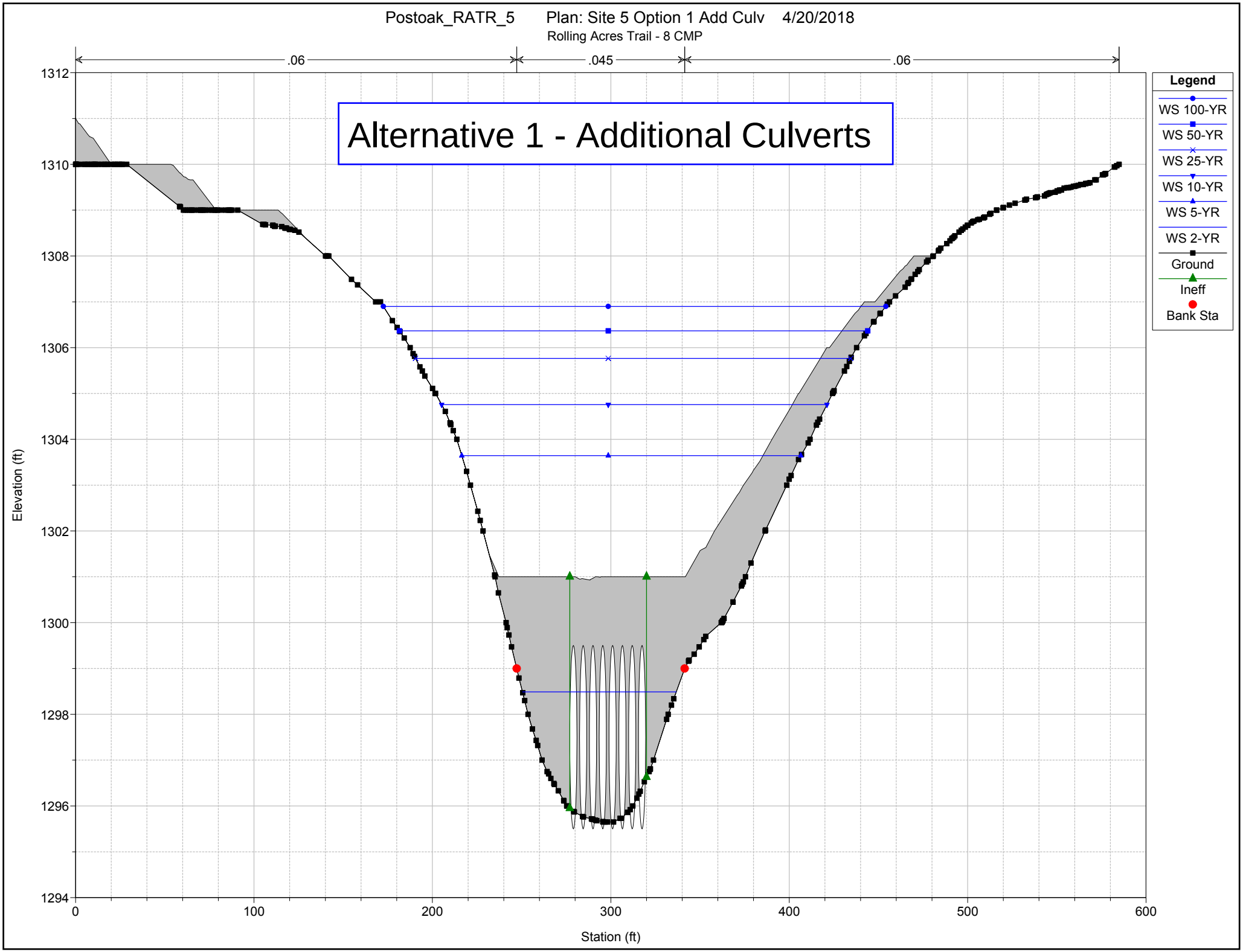
Name	Max. |Flow| (cfs)	Time Max. Flow	Max/Full Depth	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
1	0	4/13/2017 0:00	0	44.15	0.59	0
2	132.78	4/13/2017 15:54	0.12	46.86	0.59	2.834
C225_3	0	4/13/2017 0:00	0	103.23	6.598	0
C669	28.1	4/13/2017 13:05	1	47.47	5.666	0.592
MASW12	0	4/13/2017 0:00	0	4.31	0.446	0
MASW13	2.69	4/13/2017 11:56	0.01	7.96	0.533	0.338
MASW14	50.99	4/13/2017 11:56	0.06	7.96	0.533	6.406
MASW15	0	4/13/2017 0:00	0	12.31	0.763	0
MASW16	62.27	4/13/2017 12:06	0.15	17.81	0.868	3.496
MASW17	0.32	4/13/2017 0:00	0	23.2	1.538	0.014
W1	183.22	4/13/2017 12:03	0.56	57.85	5.703	3.167
W2	191.67	4/13/2017 12:01	0.88	28.41	0.429	6.747
W3	9.54	4/13/2017 11:55	0.09	8	1.566	1.192
GROF19	70.33	4/13/2017 11:55	0.79	42.31	2.148	1.662
GROF18	176.59	4/13/2017 11:58	0.79	63.59	3.676	2.777
C584_2	85.13	4/13/2017 12:02	0.49	28.92	2.475	2.944
7	1334.76	4/13/2017 15:52	0.48	51.21	0.59	26.064
8	532.91	4/13/2017 16:36	1	51.82	0.59	10.284
9	3154.43	4/13/2017 15:22	0.79	2501.97	223.678	1.261
10	3198.47	4/13/2017 15:56	0.9	36.46	2.87	87.725

Weirs SWMM 100-year Outputs

Name	Max. |Flow| (cfs)	Time Max. Flow	Max/Full Depth	Contributing Area (ac)	Contributing Imp. Area (ac)	Max. Unit Flow (cfs/ac)
1	125.48	4/13/2017 15:53	0.1	44.15	0.59	2.842
2	297.77	4/13/2017 16:21	0.43	46.86	0.59	6.354
C225_3	0	4/13/2017 0:00	0	103.23	6.598	0
C669	30.19	4/13/2017 13:06	1	47.47	5.666	0.636
MASW12	0	4/13/2017 0:00	0	4.31	0.446	0
MASW13	7.01	4/13/2017 11:56	0.02	7.96	0.533	0.881
MASW14	56.55	4/13/2017 11:56	0.07	7.96	0.533	7.104
MASW15	0	4/13/2017 0:00	0	12.31	0.763	0
MASW16	81.33	4/13/2017 12:04	0.17	17.81	0.868	4.567
MASW17	0.32	4/13/2017 0:00	0	23.2	1.538	0.014
W1	212.72	4/13/2017 12:02	0.62	57.85	5.703	3.677
W2	224.21	4/13/2017 12:01	0.97	28.41	0.429	7.892
W3	11.12	4/13/2017 11:55	0.1	8	1.566	1.39
GROF19	71.5	4/13/2017 11:56	0.88	42.31	2.148	1.69
GROF18	195.2	4/13/2017 11:55	0.88	63.59	3.676	3.07
C584_2	110.24	4/13/2017 12:00	0.58	28.92	2.475	3.812
7	1549.05	4/13/2017 15:52	0.8	51.21	0.59	30.249
8	513.97	4/13/2017 17:07	1	51.82	0.59	9.918
9	4252.55	4/13/2017 16:24	1	2501.97	223.678	1.7
10	5047.64	4/13/2017 16:17	1	36.46	2.87	138.443

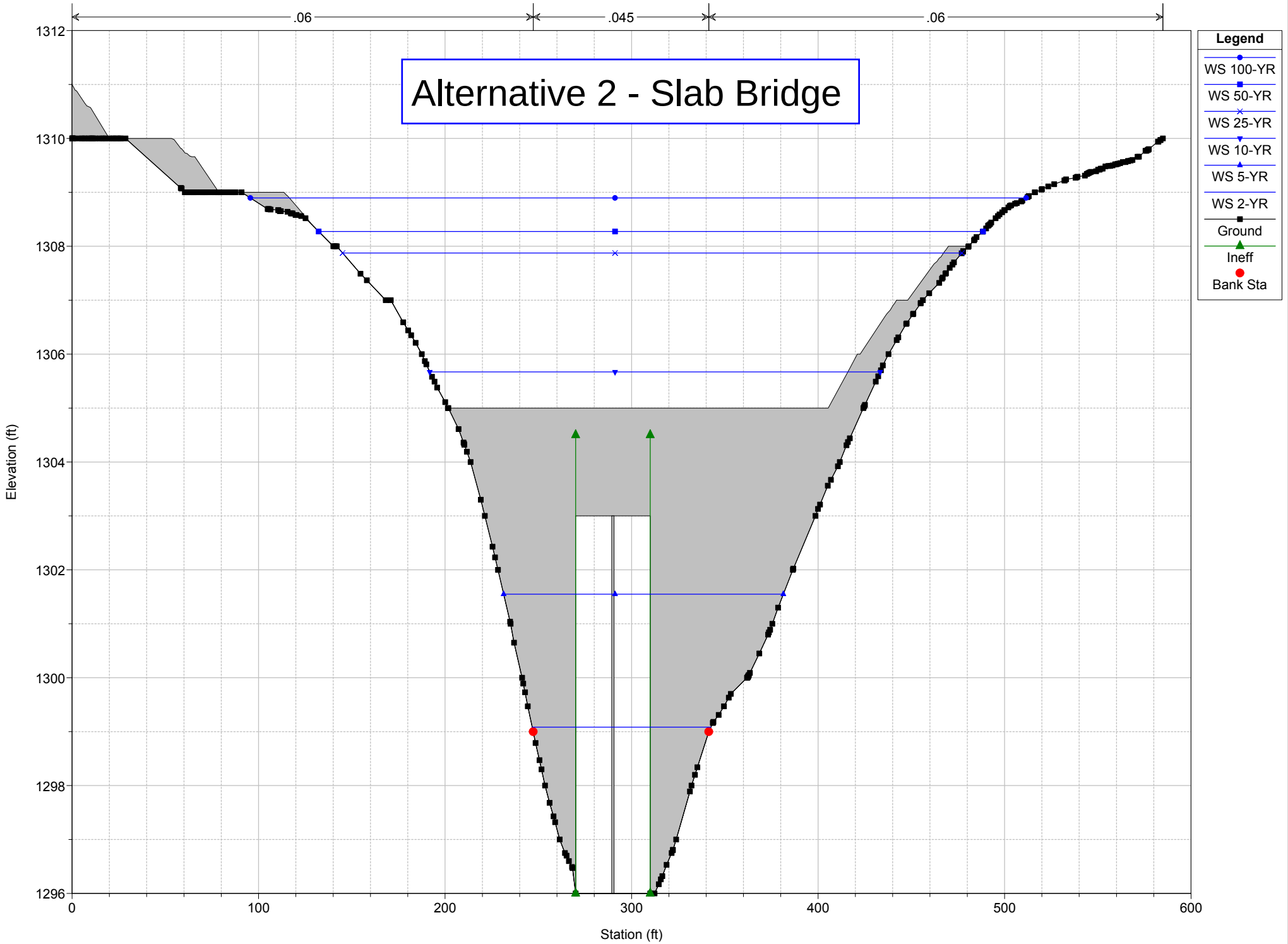
HEC-RAS Model Output


Postoak_RATR_5 Plan: Site 5 Existing 8/30/2017
Rolling Acres Trail - 4 CMP
.06
.045
.06
Existing Conditions
Legend
WS 100-YR
WS 50-YR
WS 25-YR
WS 10-YR
WS 5-YR
WS 2-YR
Ground
Ineff
Bank Sta
Elevation (ft)
Station (ft)
1312
1310
1308
1306
1304
1302
1300
1298
1296
1294
0
100
200
300
400
500
600


Postoak_RATR_5 Plan: Site 5 Option 1 Add Culv 4/20/2018
Rolling Acres Trail - 8 CMP
.06
.045
.06
Alternative 1 - Additional Culverts
Legend
WS 100-YR
WS 50-YR
WS 25-YR
WS 10-YR
WS 5-YR
WS 2-YR
Ground
Ineff
Bank Sta
Elevation (ft)
1312
1310
1308
1306
1304
1302
1300
1298
1296
1294
0
100
200
300
400
500
600
Station (ft)

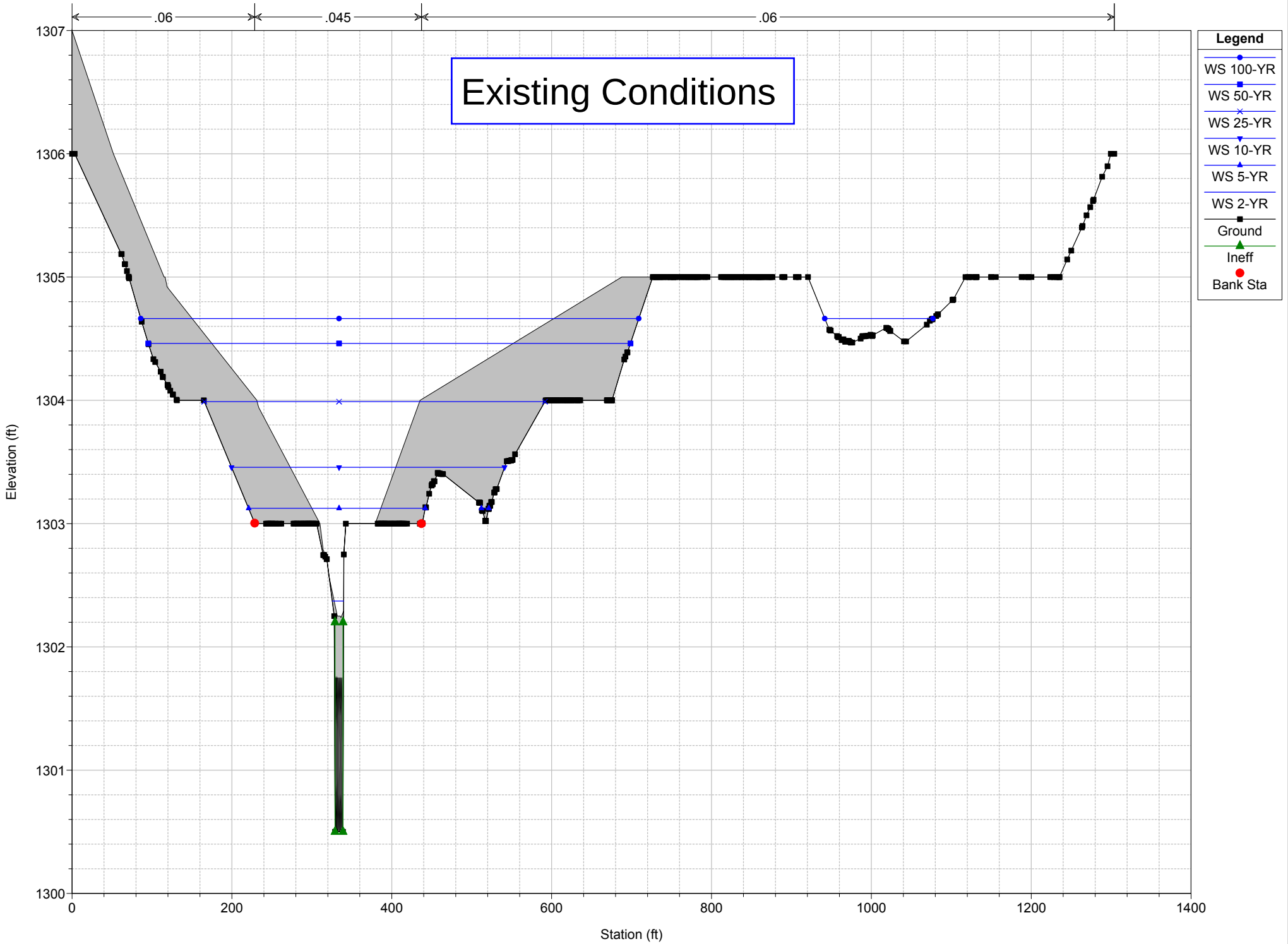
Postoak_RATR_5 Plan: Site 5 Option 2_SlabBr 8/30/2017

Rolling Acres Trail - Slab Bridge



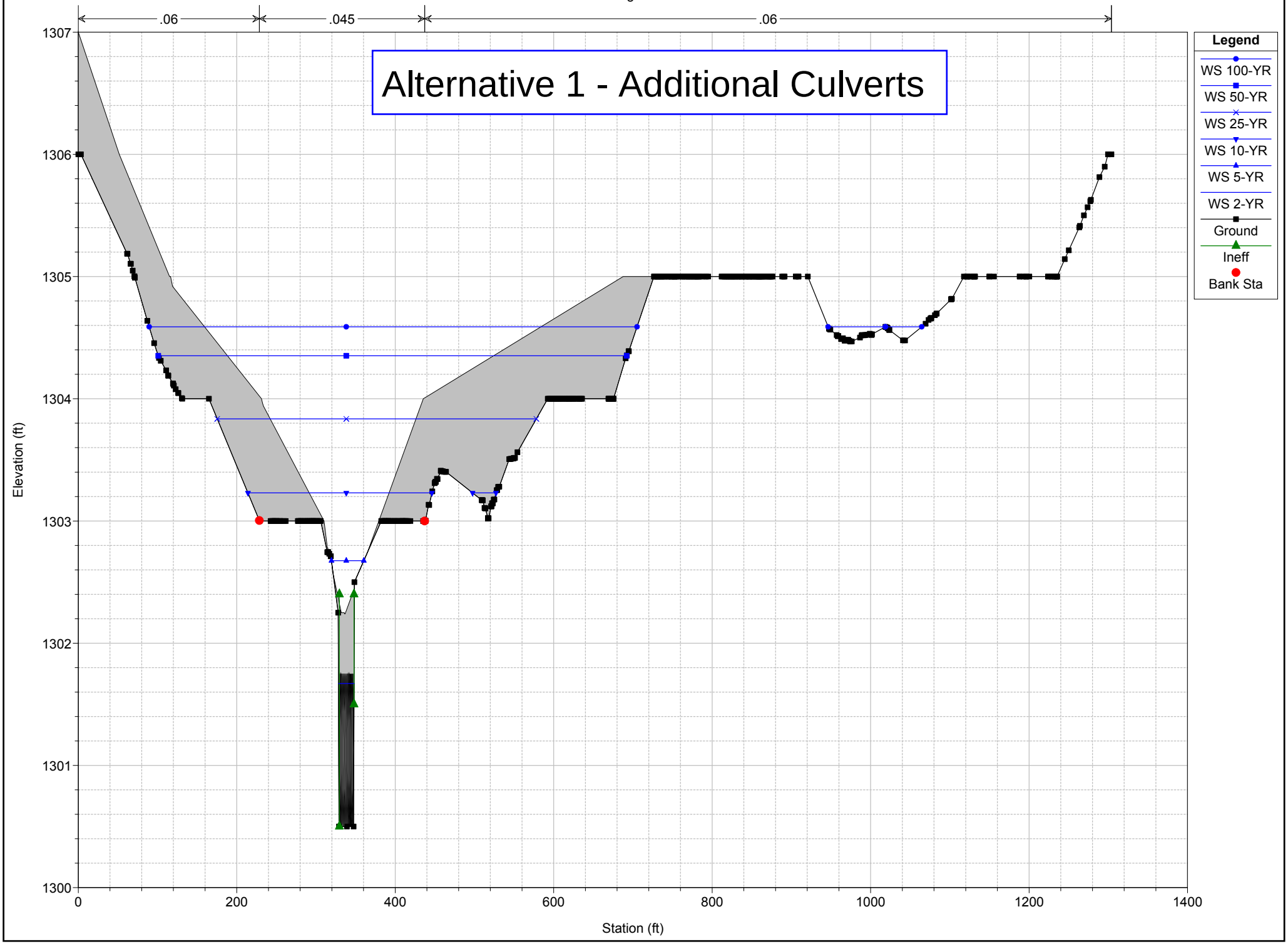
Local_RATr_6 Plan: Site6_Existing 4/20/2018

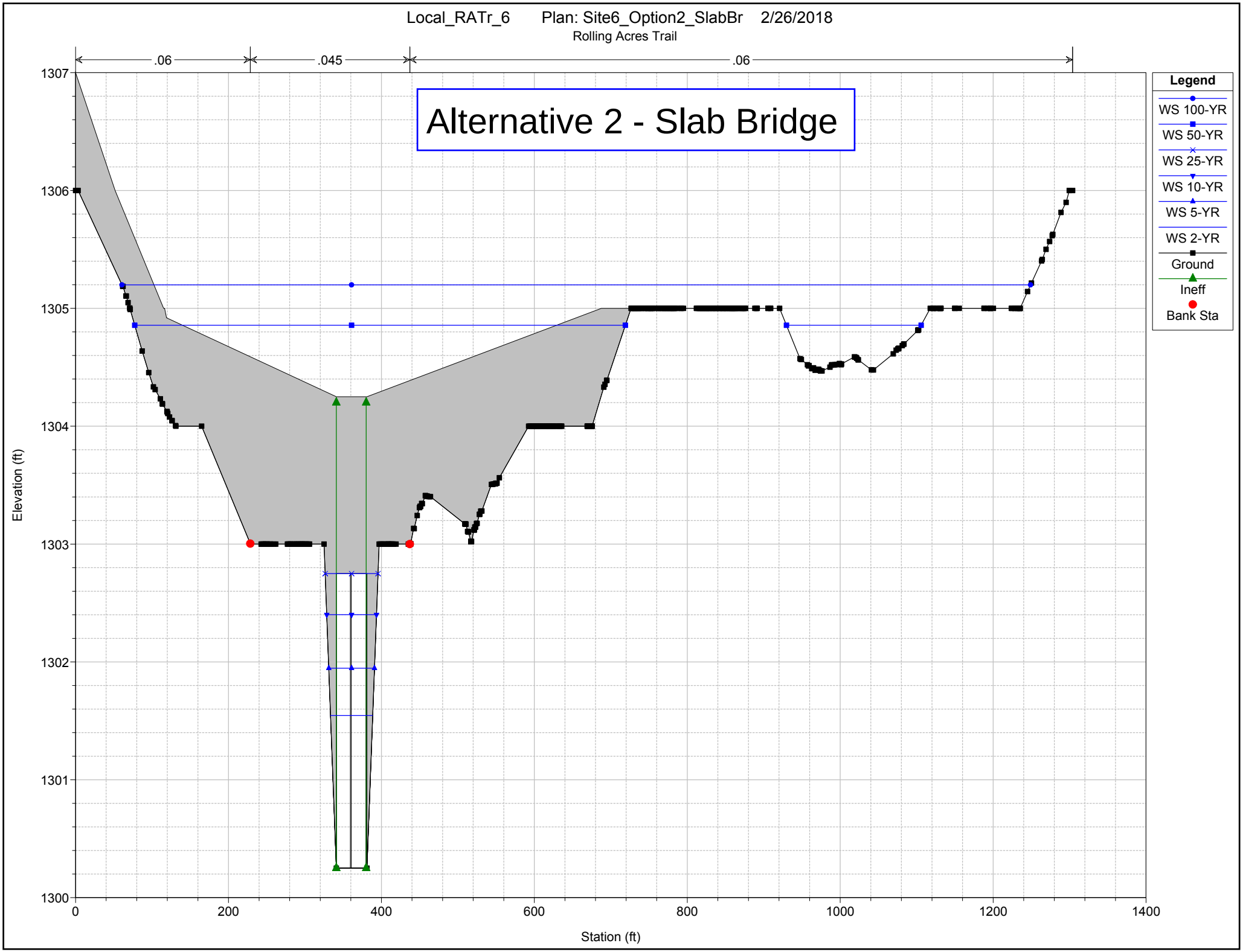
Rolling Acres Trail

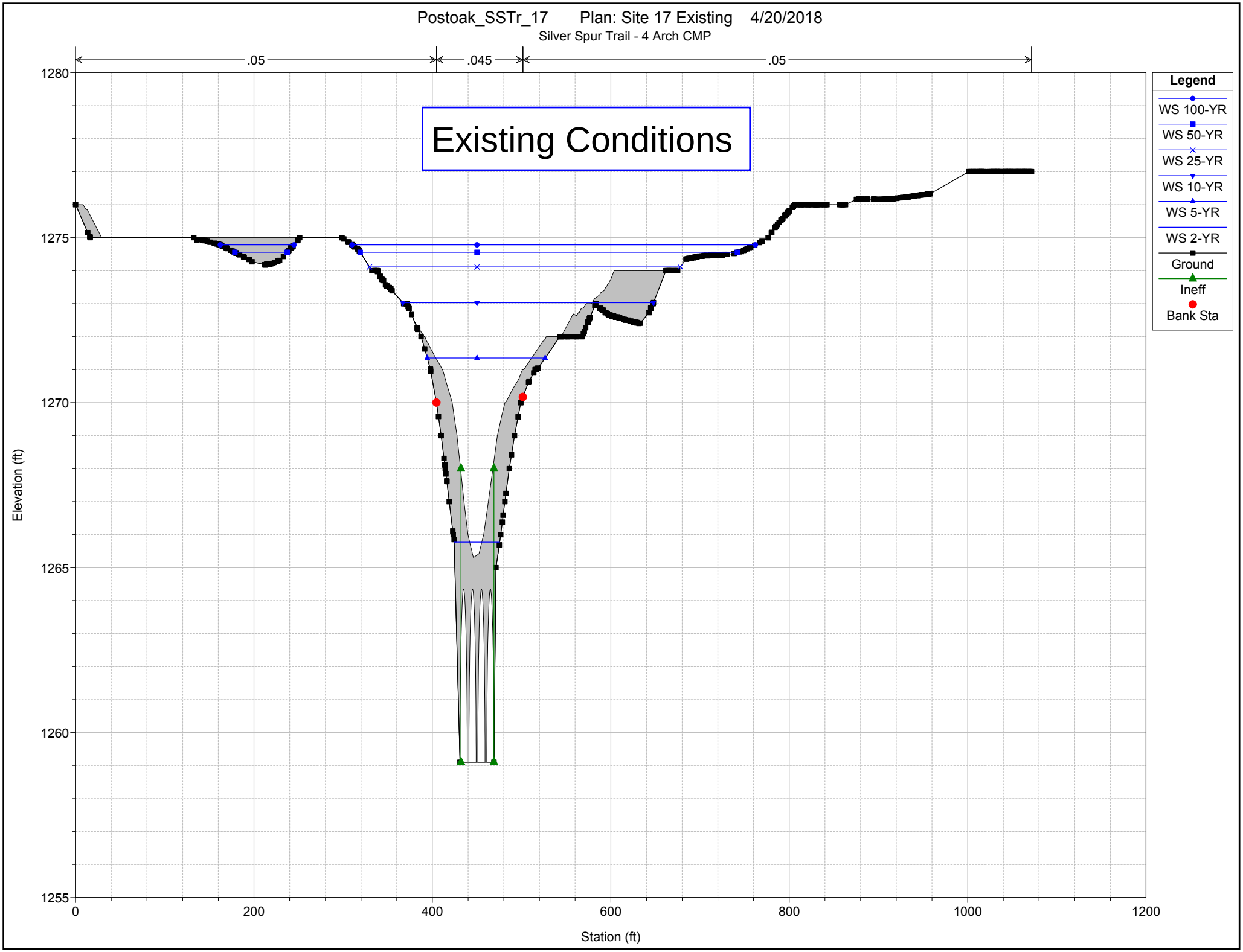


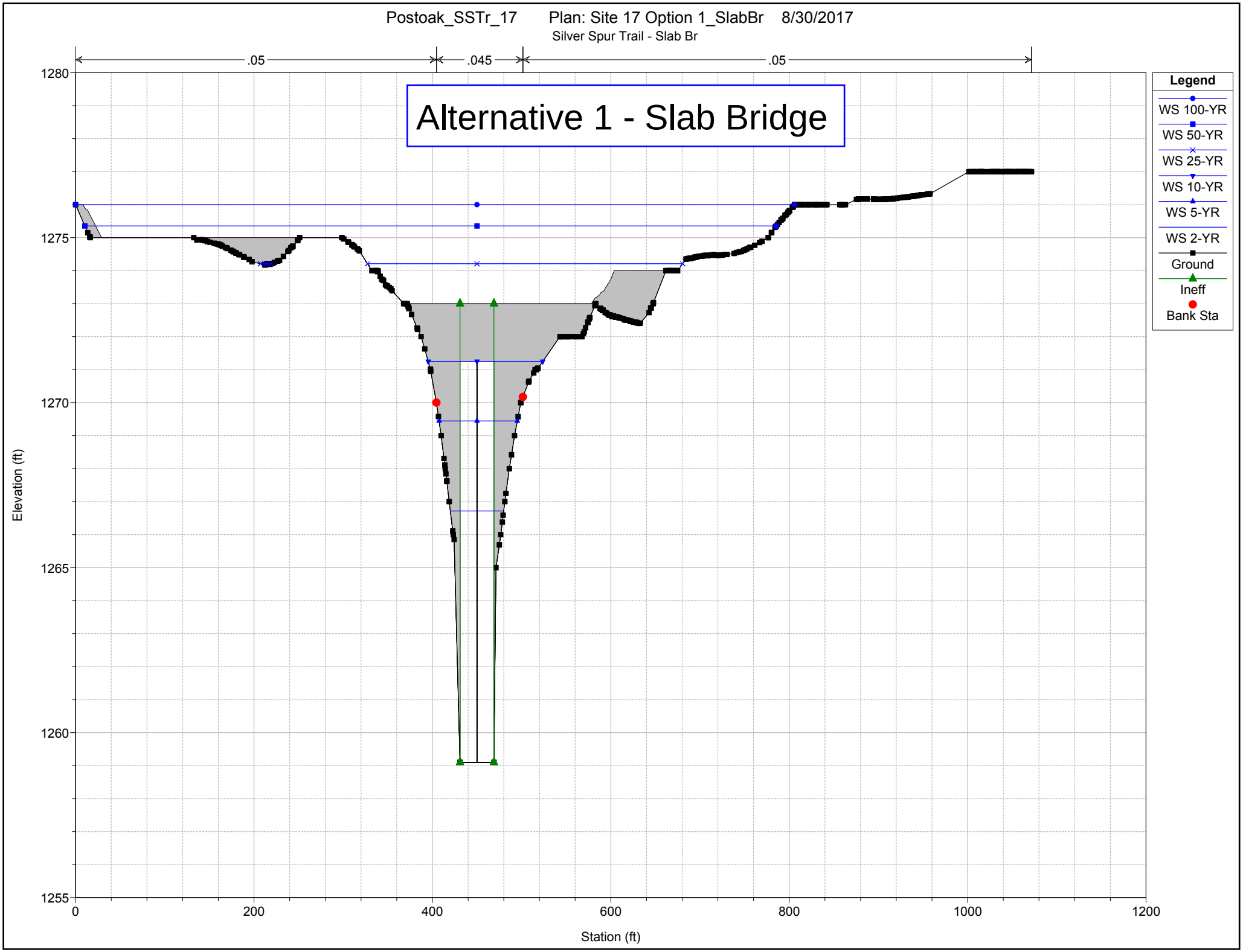
Local_RATr_6 Plan: Site6_Option1 2/26/2018

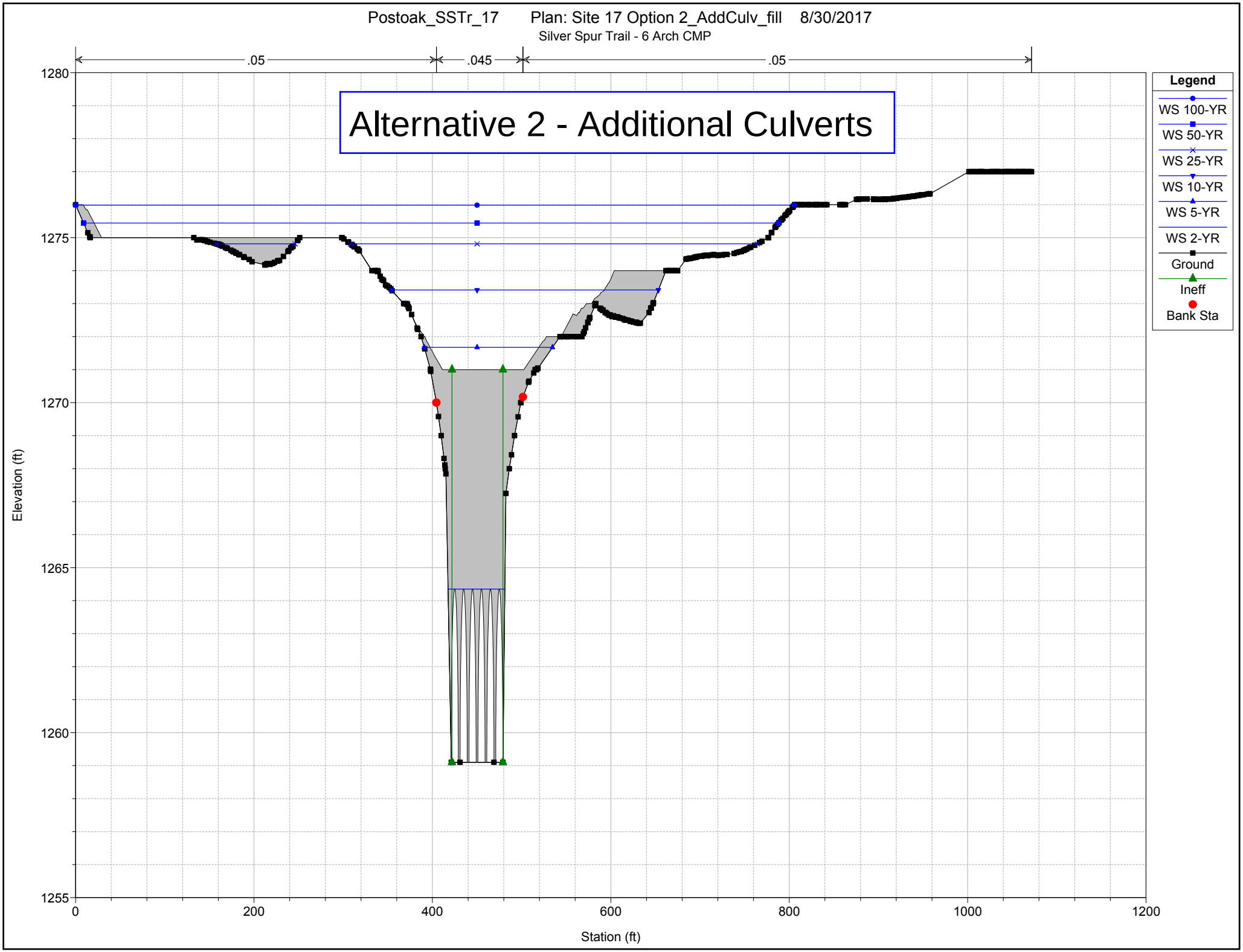
Rolling Acres Trail

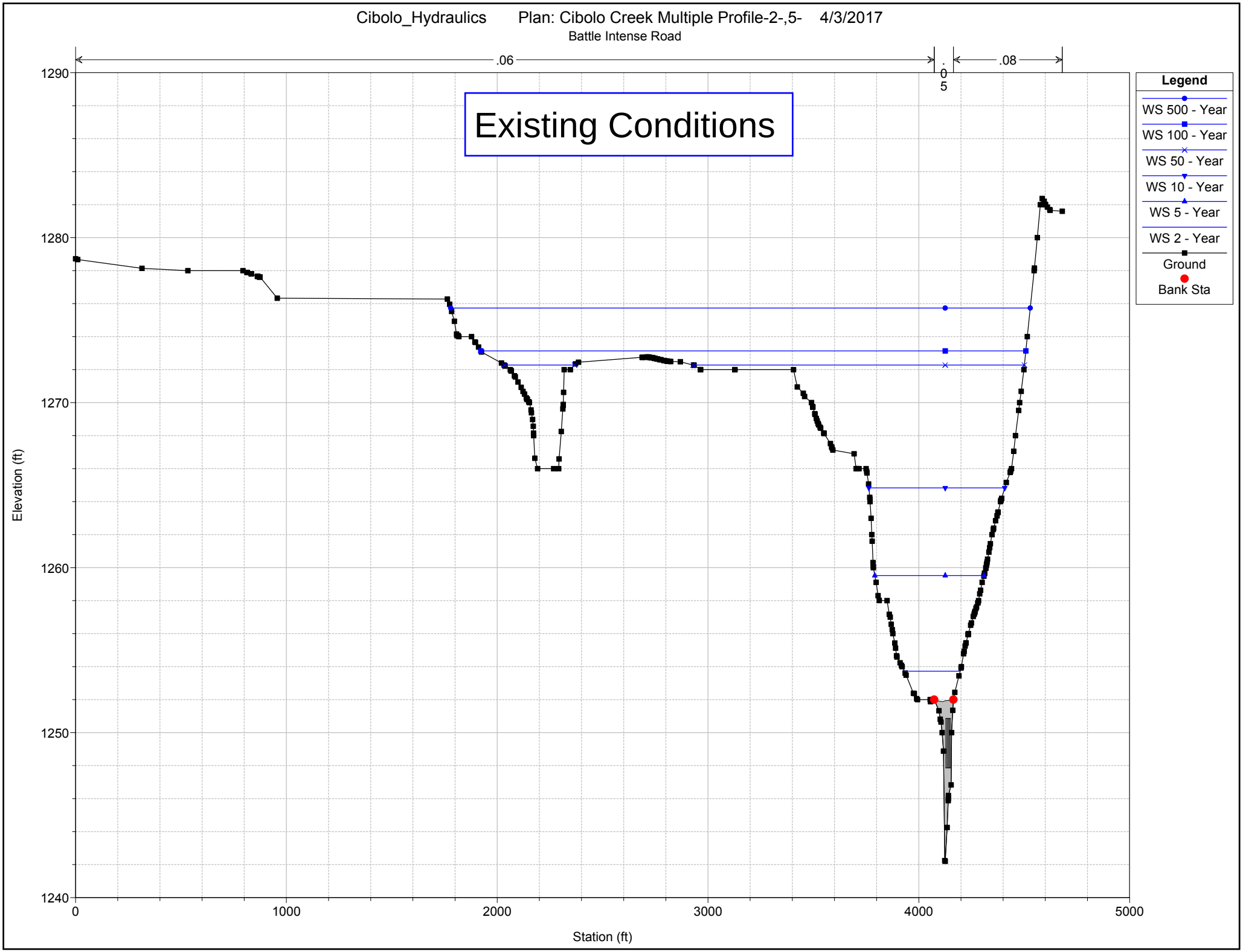


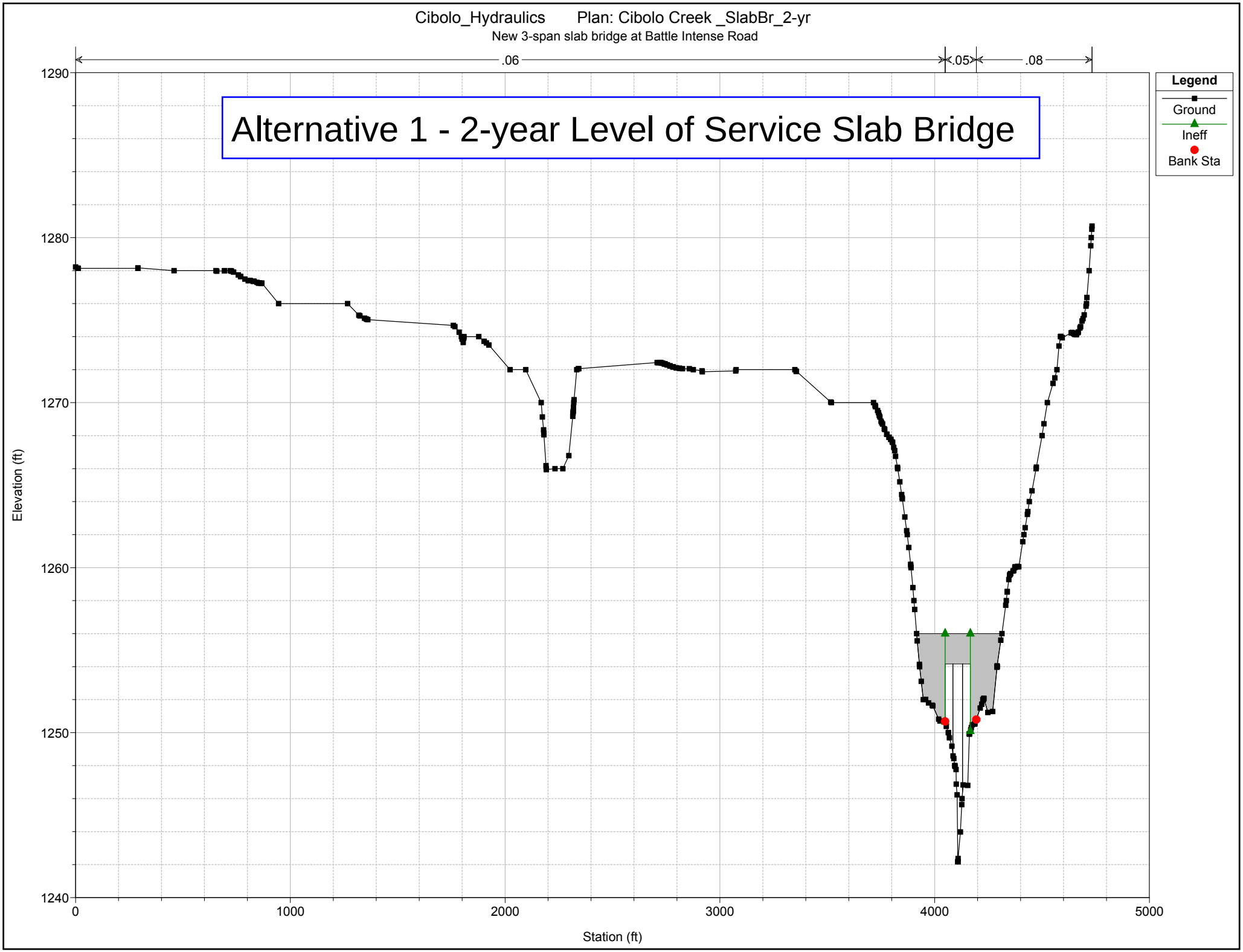

Local_RATr_6 Plan: Site6_Option2_SlabBr 2/26/2018
Rolling Acres Trail
.06
.045
.06
Alternative 2 - Slab Bridge
Legend
WS 100-YR
WS 50-YR
WS 25-YR
WS 10-YR
WS 5-YR
WS 2-YR
Ground
Ineff
Bank Sta
Elevation (ft)
1307
1306
1305
1304
1303
1302
1301
1300
0
200
400
600
800
1000
1200
1400
Station (ft)


Postoak_SSTr_17 Plan: Site 17 Existing 4/20/2018
Silver Spur Trail - 4 Arch CMP
.05
.045
.05
Existing Conditions
Legend
WS 100-YR
WS 50-YR
WS 25-YR
WS 10-YR
WS 5-YR
WS 2-YR
Ground
Ineff
Bank Sta
Elevation (ft)
1280
1275
1270
1265
1260
1255
0
200
400
600
800
1000
1200
Station (ft)


Postoak_SSTr_17 Plan: Site 17 Option 1_SlabBr 8/30/2017
Silver Spur Trail - Slab Br
.05
.045
.05
Alternative 1 - Slab Bridge
Legend
WS 100-YR
WS 50-YR
WS 25-YR
WS 10-YR
WS 5-YR
WS 2-YR
Ground
Ineff
Bank Sta
Elevation (ft)
1280
1275
1270
1265
1260
1255
0
200
400
600
800
1000
1200
Station (ft)

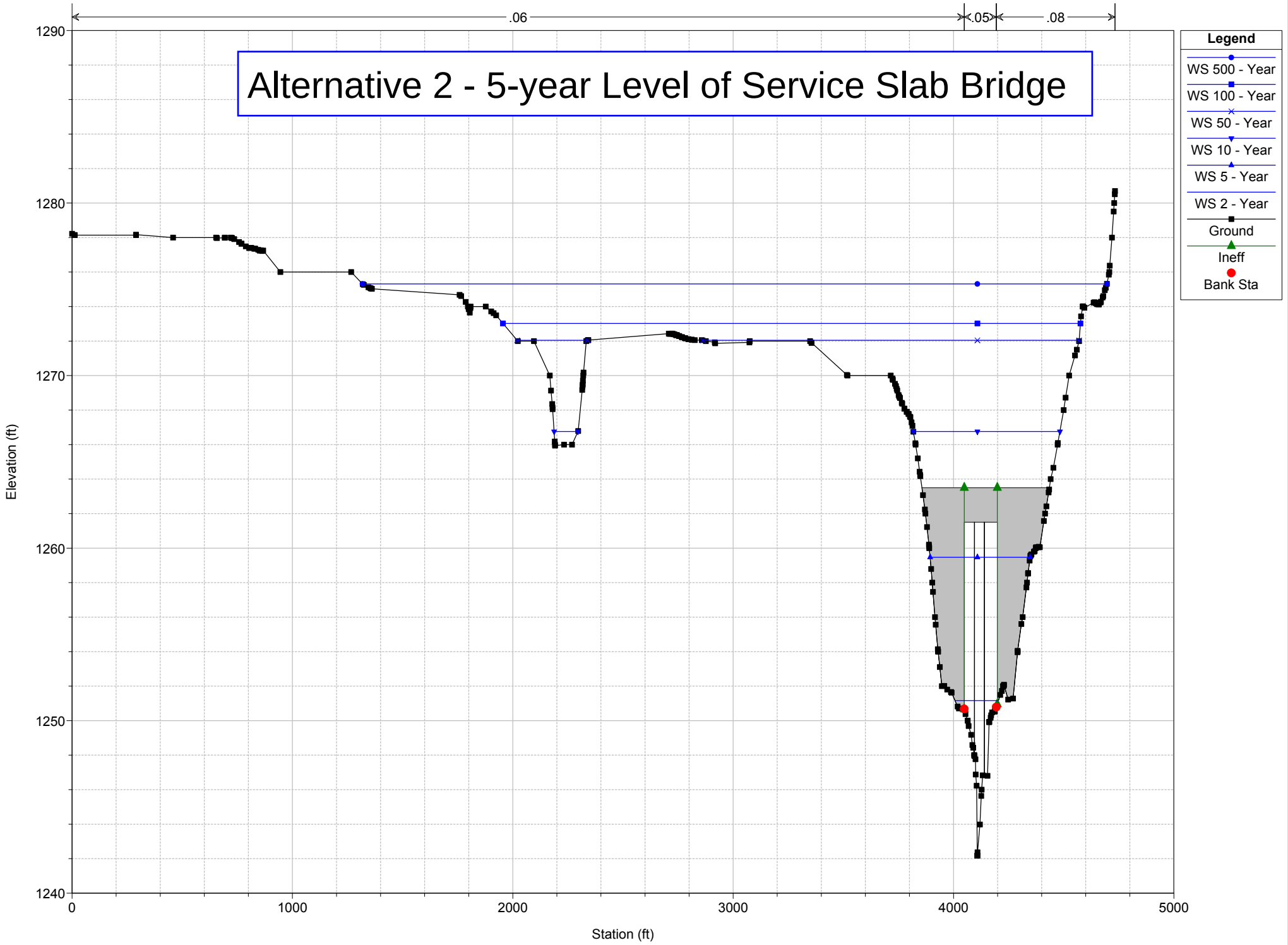

Postoak_SSTr_17 Plan: Site 17 Option 2_AddCulv_fill 8/30/2017
Silver Spur Trail - 6 Arch CMP
.05
.045
.05
Alternative 2 - Additional Culverts
Legend
WS 100-YR
WS 50-YR
WS 25-YR
WS 10-YR
WS 5-YR
WS 2-YR
Ground
Ineff
Bank Sta
Elevation (ft)
1280
1275
1270
1265
1260
1255
0
200
400
600
800
1000
1200
Station (ft)

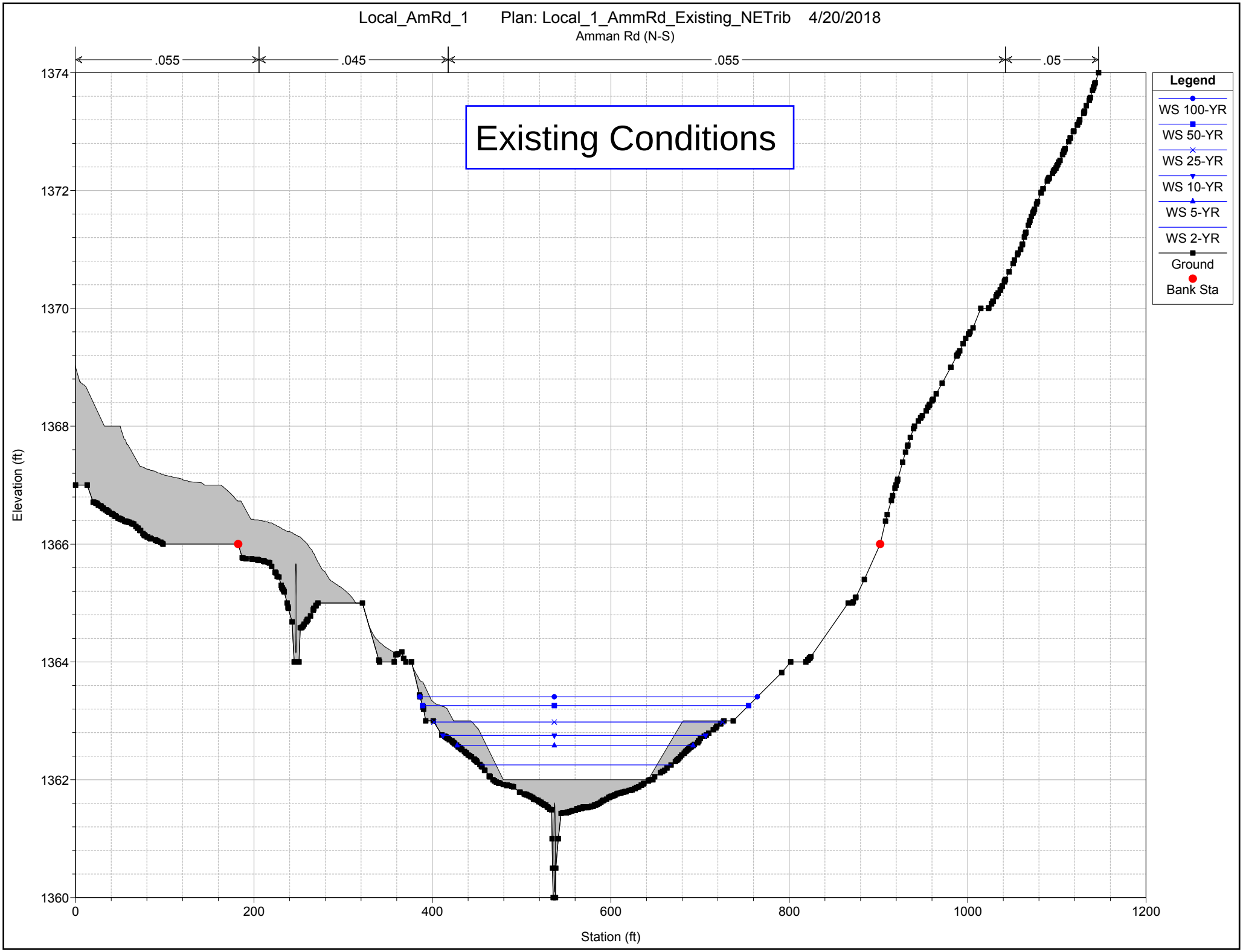

Cibolo_Hydraulics Plan: Cibolo Creek Multiple Profile-2-,5- 4/3/2017
Battle Intense Road
.06
.05
.08
Existing Conditions
Legend
WS 500 - Year
WS 100 - Year
WS 50 - Year
WS 10 - Year
WS 5 - Year
WS 2 - Year
Ground
Bank Sta
Elevation (ft)
1290
1280
1270
1260
1250
1240
0
1000
2000
3000
4000
5000
Station (ft)

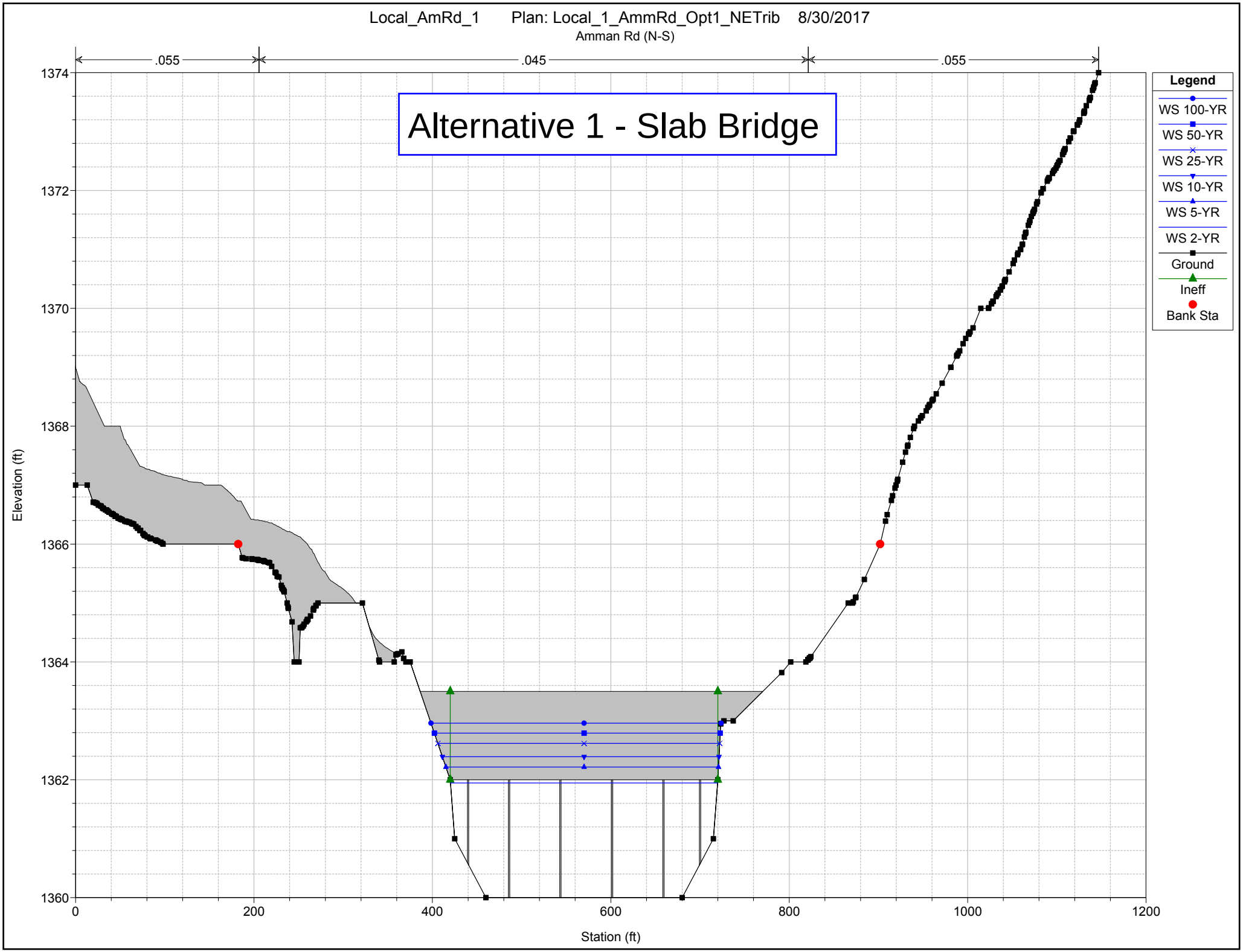

Cibolo_Hydraulics Plan: Cibolo Creek _SlabBr_2-yr
New 3-span slab bridge at Battle Intense Road
.06
.05
.08
Alternative 1 - 2-year Level of Service Slab Bridge
Legend
Ground
Ineff
Bank Sta
Elevation (ft)
1290
1280
1270
1260
1250
1240
0
1000
2000
3000
4000
5000
Station (ft)

Cibolo_Hydraulics Plan: Cibolo Creek _SlabBr_5-yr 10/10/2017

New 3-span slab bridge at Battle Intense Road




Local_AmRd_1 Plan: Local_1_AmmRd_Existing_NETrib 4/20/2018
Amman Rd (N-S)
.055
.045
.055
.05
Existing Conditions
Legend
WS 100-YR
WS 50-YR
WS 25-YR
WS 10-YR
WS 5-YR
WS 2-YR
Ground
Bank Sta
Elevation (ft)
1374
1372
1370
1368
1366
1364
1362
1360
0
200
400
600
800
1000
1200
Station (ft)


Local_AmRd_1 Plan: Local_1_AmmRd_Opt1_NETrib 8/30/2017
Amman Rd (N-S)
.055
.045
.055
Alternative 1 - Slab Bridge
Legend
WS 100-YR
WS 50-YR
WS 25-YR
WS 10-YR
WS 5-YR
WS 2-YR
Ground
Ineff
Bank Sta
Elevation (ft)
1374
1372
1370
1368
1366
1364
1362
1360
0
200
400
600
800
1000
1200
Station (ft)

Rolling Acres Trail at Post Oak Creek

Existing Conditions

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
RATR	1436	2-YR	589	1296	1301.7		1301.78	0.000981	2.29	262.76	96.1	0.22
RATR	1436	5-YR	1756	1296	1303.62		1303.87	0.001722	4.11	473.32	118.13	0.32
RATR	1436	10-YR	3030	1296	1304.88		1305.32	0.002325	5.51	628.33	127.93	0.38
RATR	1436	25-YR	5289	1296	1306.45		1307.22	0.003196	7.45	839.38	142.82	0.46
RATR	1436	50-YR	7674	1296	1307.76		1308.88	0.003875	9.07	1039.51	164.22	0.52
RATR	1436	100-YR	10474	1296	1308.96		1310.47	0.004558	10.66	1249.86	185.37	0.58
RATR	1323	2-YR	589	1295	1301.7		1301.73	0.00019	1.34	452.61	102.8	0.1
RATR	1323	5-YR	1756	1295	1303.61		1303.73	0.000558	2.83	661.44	115.21	0.19
RATR	1323	10-YR	3030	1295	1304.86		1305.1	0.000929	4.08	809.74	122.9	0.25
RATR	1323	25-YR	5289	1295	1306.39		1306.9	0.001537	5.88	1006.77	134.17	0.33
RATR	1323	50-YR	7674	1295	1307.68		1308.47	0.002075	7.41	1187.08	147.18	0.39
RATR	1323	100-YR	10474	1295	1308.82		1309.98	0.002692	9.01	1362.81	159.62	0.45
RATR	1120	2-YR	589	1293	1301.67		1301.69	0.000116	1.19	523.25	110.32	0.08
RATR	1120	5-YR	1756	1293	1303.53		1303.63	0.000399	2.62	744.77	127.17	0.16
RATR	1120	10-YR	3030	1293	1304.71		1304.93	0.000714	3.84	900.95	135.93	0.22
RATR	1120	25-YR	5289	1293	1306.15		1306.6	0.001266	5.63	1103.91	147.05	0.3
RATR	1120	50-YR	7674	1293	1307.34		1308.05	0.001785	7.17	1285.11	157.31	0.37
RATR	1120	100-YR	10474	1293	1308.36		1309.43	0.002431	8.84	1451.01	167.95	0.43
RATR	816	2-YR	589	1295	1301.65	1296.81	1301.66	0.0001	0.98	666	169.03	0.08
RATR	816	5-YR	1756	1295	1303.45	1298.34	1303.51	0.000292	2.04	988.4	187.79	0.14
RATR	816	10-YR	3030	1295	1304.6	1299.39	1304.72	0.00049	2.93	1212.06	202.42	0.18
RATR	816	25-YR	5289	1295	1305.99	1300.83	1306.23	0.000825	4.22	1506.49	223.7	0.24
RATR	816	50-YR	7674	1295	1307.15	1301.86	1307.53	0.001123	5.32	1781.17	250.34	0.29
RATR	816	100-YR	10474	1295	1308.1	1302.93	1308.7	0.00159	6.7	2040.03	311.63	0.35
RATR	753	2-YR	589	1295.65	1301.63	1298.53	1301.65	0.000159	1.2	544.69	151.41	0.1
RATR	753	5-YR	1756	1295.65	1303.4	1301.01	1303.48	0.000449	2.48	841.54	184.84	0.17
RATR	753	10-YR	3030	1295.65	1304.5	1301.01	1304.67	0.000745	3.53	1058.36	209.33	0.22
RATR	753	25-YR	5289	1295.65	1305.8	1301.43	1306.14	0.001236	5.05	1354.41	244.84	0.3
RATR	753	50-YR	7674	1295.65	1306.9	1302.62	1307.4	0.001651	6.29	1642.55	281.65	0.35
RATR	753	100-YR	10474	1295.65	1307.81	1303.79	1308.54	0.002186	7.66	1920.8	328.82	0.41
RATR	720		Culvert									
RATR	686	2-YR	589	1296	1298.95	1298.95	1300.42	0.020459	9.72	60.57	135.57	1
RATR	686	5-YR	1756	1296	1301.01	1301.01	1301.14	0.001108	2.89	630.61	174.17	0.25
RATR	686	10-YR	3030	1296	1302.17	1301.01	1302.39	0.001425	3.85	844.69	195.53	0.29
RATR	686	25-YR	5289	1296	1302.44	1301.01	1303.05	0.003644	6.36	899.34	201.17	0.47
RATR	686	50-YR	7674	1296	1303.66	1301.33	1304.46	0.00383	7.42	1159.99	228.04	0.5
RATR	686	100-YR	10474	1296	1304.88	1302.38	1305.87	0.00392	8.36	1453.41	253.98	0.52
RATR	597	2-YR	589	1296	1298.19	1297.8	1298.5	0.01057	4.47	131.91	132.06	0.64
RATR	597	5-YR	1756	1296	1299.44	1298.99	1300.26	0.012455	7.26	241.85	178.29	0.77
RATR	597	10-YR	3030	1296	1300.22	1300.02	1301.71	0.016319	9.79	309.38	190.51	0.92
RATR	597	25-YR	5289	1296	1302.08	1301.01	1302.68	0.004599	6.33	896.09	230.07	0.51
RATR	597	50-YR	7674	1296	1303.34	1301.37	1304.07	0.004189	7.06	1197.2	248.3	0.51
RATR	597	100-YR	10474	1296	1304.59	1302.29	1305.46	0.003935	7.76	1518.17	263.99	0.51
RATR	383	2-YR	589	1294	1297.6		1297.66	0.001761	1.98	297.82	174.9	0.27
RATR	383	5-YR	1756	1294	1299.01		1299.16	0.002108	3.14	565.35	199.45	0.32
RATR	383	10-YR	3030	1294	1300.07		1300.31	0.002234	3.96	783.3	208.79	0.35
RATR	383	25-YR	5289	1294	1301.55		1301.93	0.002357	5.01	1101.73	222.75	0.38
RATR	383	50-YR	7674	1294	1302.82		1303.34	0.002436	5.84	1394.86	239.87	0.39
RATR	383	100-YR	10474	1294	1304.08		1304.73	0.002514	6.64	1707.4	258.47	0.41

RATR	112	2-YR	589	1294	1296.86	1296.2	1296.97	0.004	2.65	227.19	170.64	0.39
RATR	112	5-YR	1756	1294	1298.14	1297.03	1298.39	0.004002	4.05	455.23	185.87	0.43
RATR	112	10-YR	3030	1294	1299.14	1297.71	1299.51	0.004004	5	646.73	195.89	0.46
RATR	112	25-YR	5289	1294	1300.54	1298.69	1301.1	0.004002	6.19	932.15	212.23	0.48
RATR	112	50-YR	7674	1294	1301.76	1299.54	1302.49	0.004005	7.14	1200.65	232.28	0.5
RATR	112	100-YR	10474	1294	1302.96	1300.45	1303.87	0.004005	8.02	1492.06	251.44	0.52

Rolling Acres Trail at Post Oak Creek

Alternative 1 - Additional Culverts

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
RATR	1436	2-YR	399.9	1296	1299.37		1299.6	0.004841	3.84	104.08	47.3	0.46
RATR	1436	5-YR	2390.4	1296	1304.01		1304.4	0.002462	5.15	519.44	121.13	0.38
RATR	1436	10-YR	4038.7	1296	1305.35		1306	0.003193	6.76	689.38	131.88	0.45
RATR	1436	25-YR	5842.7	1296	1306.56		1307.47	0.003711	8.1	855.14	144.15	0.5
RATR	1436	50-YR	7100.8	1296	1307.27		1308.36	0.004032	8.93	961.72	154.81	0.53
RATR	1436	100-YR	8296.5	1296	1307.9		1309.16	0.004287	9.63	1062.73	166.95	0.55
RATR	1323	2-YR	399.9	1295	1299.35		1299.4	0.000585	1.68	238.03	77.11	0.17
RATR	1323	5-YR	2390.4	1295	1303.99		1304.19	0.000859	3.64	705.25	117.44	0.24
RATR	1323	10-YR	4038.7	1295	1305.31		1305.7	0.001364	5.12	866.13	125.92	0.31
RATR	1323	25-YR	5842.7	1295	1306.49		1307.09	0.001809	6.42	1020.15	135.07	0.36
RATR	1323	50-YR	7100.8	1295	1307.19		1307.95	0.00209	7.22	1116.85	141.8	0.39
RATR	1323	100-YR	8296.5	1295	1307.8		1308.7	0.002328	7.91	1205.77	148.57	0.42
RATR	1120	2-YR	399.9	1293	1299.29		1299.32	0.00026	1.32	301.92	75.33	0.12
RATR	1120	5-YR	2390.4	1293	1303.86		1304.03	0.000639	3.41	786.97	129.69	0.21
RATR	1120	10-YR	4038.7	1293	1305.09		1305.44	0.001092	4.88	953.03	138.74	0.28
RATR	1120	25-YR	5842.7	1293	1306.2		1306.74	0.001518	6.18	1111.15	147.45	0.33
RATR	1120	50-YR	7100.8	1293	1306.85		1307.53	0.001795	6.99	1208.7	152.8	0.36
RATR	1120	100-YR	8296.5	1293	1307.42		1308.24	0.002036	7.69	1297.16	158.03	0.39
RATR	816	2-YR	399.9	1295	1299.19	1296.43	1299.22	0.000426	1.37	293.53	114.44	0.14
RATR	816	5-YR	2390.4	1295	1303.74	1298.87	1303.84	0.000464	2.64	1042.88	191.24	0.17
RATR	816	10-YR	4038.7	1295	1304.93	1300.05	1305.12	0.000752	3.72	1278.35	206.79	0.23
RATR	816	25-YR	5842.7	1295	1306	1301.07	1306.29	0.001001	4.65	1509.5	223.89	0.27
RATR	816	50-YR	7100.8	1295	1306.64	1301.64	1307	0.001158	5.23	1656.17	236.92	0.29
RATR	816	100-YR	8296.5	1295	1307.2	1302.13	1307.63	0.001291	5.72	1793.13	252.28	0.31
RATR	753	2-YR	399.9	1295.65	1299	1297.25	1299.14	0.001735	2.95	135.41	94.17	0.29
RATR	753	5-YR	2390.4	1295.65	1303.65	1300.43	1303.79	0.000724	3.22	888.17	190.05	0.22
RATR	753	10-YR	4038.7	1295.65	1304.76	1301.01	1305.03	0.001166	4.52	1113.46	215.96	0.28
RATR	753	25-YR	5842.7	1295.65	1305.77	1301.72	1306.18	0.001533	5.6	1345.67	243.92	0.33
RATR	753	50-YR	7100.8	1295.65	1306.37	1302.34	1306.87	0.001753	6.26	1497.29	262.46	0.35
RATR	753	100-YR	8296.5	1295.65	1306.9	1302.91	1307.49	0.001929	6.8	1642.59	281.66	0.38
RATR	720		Culvert									
RATR	686	2-YR	399.9	1296	1298.37	1297.36	1298.6	0.004272	3.84	104.25	123.4	0.44
RATR	686	5-YR	2390.4	1296	1300.52	1300.52	1302.77	0.017751	12.02	198.81	165.31	1
RATR	686	10-YR	4038.7	1296	1301.74	1301.01	1302.21	0.003391	5.62	761.98	187.26	0.44
RATR	686	25-YR	5842.7	1296	1302.74	1301.01	1303.4	0.003702	6.63	960.82	207.55	0.48
RATR	686	50-YR	7100.8	1296	1303.38	1301.12	1304.15	0.0038	7.19	1098.23	221.98	0.49
RATR	686	100-YR	8296.5	1296	1303.95	1301.59	1304.8	0.003858	7.65	1226.33	234.26	0.5
RATR	597	2-YR	399.9	1296	1297.84	1297.39	1298.02	0.009952	3.42	117.06	111.96	0.59
RATR	597	5-YR	2390.4	1296	1300.05	1299.22	1300.73	0.00829	6.61	361.52	187.09	0.64
RATR	597	10-YR	4038.7	1296	1301.33	1300.25	1301.84	0.004921	5.83	727.68	214.01	0.51
RATR	597	25-YR	5842.7	1296	1302.39	1301.01	1303.03	0.004481	6.51	968.39	234.83	0.51
RATR	597	50-YR	7100.8	1296	1303.06	1301.13	1303.76	0.004269	6.9	1127.21	244.71	0.51
RATR	597	100-YR	8296.5	1296	1303.64	1301.58	1304.4	0.004115	7.22	1271.5	252.05	0.51
RATR	383	2-YR	399.9	1294	1297.25		1297.29	0.001562	1.68	238.44	163.02	0.24
RATR	383	5-YR	2390.4	1294	1299.57		1299.77	0.00218	3.59	679.22	204.38	0.34
RATR	383	10-YR	4038.7	1294	1300.78		1301.08	0.0023	4.48	932.64	214.81	0.36
RATR	383	25-YR	5842.7	1294	1301.87		1302.28	0.002378	5.22	1172.59	226.31	0.38
RATR	383	50-YR	7100.8	1294	1302.54		1303.02	0.00242	5.66	1326.89	235.65	0.39
RATR	383	100-YR	8296.5	1294	1303.12		1303.67	0.002453	6.03	1467.11	244.26	0.4

RATR	112	2-YR	399.9	1294	1296.57	1295.7	1296.65	0.004005	2.28	178.01	164.92	0.38
RATR	112	5-YR	2390.4	1294	1298.67	1297.39	1298.98	0.004005	4.57	554.84	191.13	0.45
RATR	112	10-YR	4038.7	1294	1299.81	1298.16	1300.27	0.004001	5.58	779.88	202.63	0.47
RATR	112	25-YR	5842.7	1294	1300.85	1298.9	1301.45	0.004	6.43	996.6	216.47	0.49
RATR	112	50-YR	7100.8	1294	1301.48	1299.34	1302.17	0.004006	6.93	1137.76	227.34	0.5
RATR	112	100-YR	8296.5	1294	1302.04	1299.77	1302.82	0.004002	7.35	1267.85	237.31	0.5

Rolling Acres Trail at Post Oak Creek

Alternative 2 - Bridge

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
RATR	1436	2-YR	589	1296	1299.94		1300.24	0.005556	4.43	132.83	53.97	0.5
RATR	1436	5-YR	1756	1296	1303.21		1303.52	0.002316	4.51	425.6	114.95	0.36
RATR	1436	10-YR	3030	1296	1305.9		1306.2	0.001357	4.63	763.24	136.62	0.3
RATR	1436	25-YR	5289	1296	1308.16		1308.64	0.001574	5.94	1106.79	171.64	0.33
RATR	1436	50-YR	7674	1296	1308.8		1309.64	0.002597	7.96	1220.15	182.6	0.43
RATR	1436	100-YR	10474	1296	1309.7		1310.95	0.003503	9.77	1392.15	199.4	0.51
RATR	1323	2-YR	589	1295	1299.91		1299.98	0.00081	2.08	283.32	85.04	0.2
RATR	1323	5-YR	1756	1295	1303.2		1303.34	0.000691	3.03	614.47	112.77	0.21
RATR	1323	10-YR	3030	1295	1305.88		1306.07	0.000611	3.57	939.59	129.84	0.21
RATR	1323	25-YR	5289	1295	1308.13		1308.47	0.000852	4.88	1254.7	152.14	0.25
RATR	1323	50-YR	7674	1295	1308.73		1309.36	0.001485	6.66	1348.59	158.67	0.34
RATR	1323	100-YR	10474	1295	1309.58		1310.57	0.002146	8.38	1486.97	167.31	0.41
RATR	1120	2-YR	589	1293	1299.82		1299.86	0.000388	1.72	343.49	82.19	0.14
RATR	1120	5-YR	1756	1293	1303.1		1303.21	0.000489	2.8	690.55	123.83	0.18
RATR	1120	10-YR	3030	1293	1305.79		1305.95	0.000472	3.36	1052.11	144.21	0.18
RATR	1120	25-YR	5289	1293	1308.01		1308.3	0.000689	4.62	1391.99	163.58	0.23
RATR	1120	50-YR	7674	1293	1308.51		1309.06	0.001251	6.39	1475.6	169.74	0.31
RATR	1120	100-YR	10474	1293	1309.23		1310.13	0.001899	8.16	1602.04	179.88	0.39
RATR	816	2-YR	589	1295	1299.68	1296.81	1299.72	0.000539	1.72	346.55	136.29	0.16
RATR	816	5-YR	1756	1295	1302.96	1298.37	1303.06	0.000477	2.54	707.36	182.32	0.17
RATR	816	10-YR	3030	1295	1305.73	1299.32	1305.82	0.0003	2.5	1450.47	219.68	0.15
RATR	816	25-YR	5289	1295	1307.95	1300.73	1308.1	0.000407	3.36	1993.93	282.49	0.18
RATR	816	50-YR	7674	1295	1308.39	1301.92	1308.69	0.000792	4.81	2132.3	340.88	0.25
RATR	816	100-YR	10474	1295	1309.07	1303.17	1309.56	0.001185	6.11	2384.81	393.97	0.3
RATR	753	2-YR	589	1296	1299.25	1297.89	1299.57	0.003907	4.53	130.03	99.74	0.44
RATR	753	5-YR	1756	1296	1301.9	1299.91	1302.76	0.004757	7.44	236.08	156.36	0.54
RATR	753	10-YR	3030	1296	1305.67	1301.62	1305.79	0.000441	2.97	1315.01	241.51	0.18
RATR	753	25-YR	5289	1296	1307.88	1304.18	1308.05	0.000554	3.85	1935.1	332.07	0.2
RATR	753	50-YR	7674	1296	1308.28	1304.51	1308.62	0.001009	5.33	2072.69	356.24	0.28
RATR	753	100-YR	10474	1296	1308.9	1304.51	1309.45	0.001532	6.8	2309.69	416	0.34
RATR	720		Bridge									
RATR	686	2-YR	589	1295.8	1298.71	1297.68	1299.11	0.005666	5.06	116.31	130.14	0.52
RATR	686	5-YR	1756	1295.8	1299.92	1299.72	1301.69	0.015713	10.64	164.97	154.52	0.92
RATR	686	10-YR	3030	1295.8	1301.42	1301.42	1304.24	0.016653	13.47	224.89	181.62	1
RATR	686	25-YR	5289	1295.8	1303.97	1303.97	1308.04	0.014578	16.18	326.94	234.88	1
RATR	686	50-YR	7674	1295.8	1305.54	1304.51	1305.97	0.00154	5.54	1634.11	269.06	0.33
RATR	686	100-YR	10474	1295.8	1304.88	1304.51	1305.86	0.003834	8.3	1462.12	254.02	0.51
RATR	597	2-YR	589	1296	1298.19	1297.72	1298.42	0.008301	3.87	152.34	132.06	0.56
RATR	597	5-YR	1756	1296	1299.52	1298.79	1300.08	0.008474	6.02	291.58	179.36	0.64
RATR	597	10-YR	3030	1296	1300.45	1299.7	1301.4	0.009649	7.79	389.04	195.36	0.71
RATR	597	25-YR	5289	1296	1301.62	1301.04	1303.29	0.011871	10.36	510.68	220.54	0.83
RATR	597	50-YR	7674	1296	1302.44	1302.24	1305.01	0.014937	12.88	595.95	235.48	0.95
RATR	597	100-YR	10474	1296	1304.59	1303.54	1305.46	0.003935	7.76	1518.17	263.99	0.51
RATR	383	2-YR	589	1294	1297.6		1297.66	0.001761	1.98	297.82	174.9	0.27
RATR	383	5-YR	1756	1294	1299		1299.16	0.00211	3.14	565.13	199.44	0.32
RATR	383	10-YR	3030	1294	1300.07		1300.31	0.002234	3.96	783.27	208.78	0.35
RATR	383	25-YR	5289	1294	1301.55		1301.93	0.002357	5.01	1101.76	222.75	0.38
RATR	383	50-YR	7674	1294	1302.82		1303.34	0.002436	5.84	1394.86	239.87	0.39
RATR	383	100-YR	10474	1294	1304.08		1304.73	0.002514	6.64	1707.4	258.47	0.41

RATR	112	2-YR	589	1294	1296.86	1296.2	1296.97	0.004	2.65	227.19	170.64	0.39
RATR	112	5-YR	1756	1294	1298.14	1297.01	1298.39	0.004002	4.05	455.23	185.87	0.43
RATR	112	10-YR	3030	1294	1299.14	1297.71	1299.51	0.004004	5	646.73	195.89	0.46
RATR	112	25-YR	5289	1294	1300.54	1298.69	1301.1	0.004002	6.19	932.15	212.23	0.48
RATR	112	50-YR	7674	1294	1301.76	1299.54	1302.49	0.004005	7.14	1200.65	232.28	0.5
RATR	112	100-YR	10474	1294	1302.96	1300.45	1303.87	0.004005	8.02	1492.06	251.44	0.52

Rolling Acres Trail at Unnamed Tributary

Existing Conditions

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
RATR_6	1351	2-YR	28.7	1304.36	1304.63	1304.63	1304.7	0.056979	2.18	13.16	90.34	1.01
RATR_6	1351	5-YR	79.7	1304.36	1304.97		1305.01	0.007845	1.63	48.8	116.9	0.45
RATR_6	1351	10-YR	170.4	1304.36	1305.24		1305.29	0.005721	1.93	100.6	205.6	0.41
RATR_6	1351	25-YR	425.3	1304.36	1305.72		1305.81	0.00456	2.47	205.28	224.9	0.4
RATR_6	1351	50-YR	876.4	1304.36	1306.3		1306.43	0.004386	3.17	351.29	297.74	0.42
RATR_6	1351	100-YR	1175.9	1304.36	1306.58		1306.73	0.004462	3.53	441.21	400.88	0.44
RATR_6	1115	2-YR	28.7	1303	1303.86		1303.87	0.000844	0.62	46.12	88.22	0.15
RATR_6	1115	5-YR	79.7	1303	1304.07		1304.09	0.002298	1.18	71.38	177.84	0.26
RATR_6	1115	10-YR	170.4	1303	1304.33		1304.37	0.002868	1.65	123.56	217.89	0.31
RATR_6	1115	25-YR	425.3	1303	1304.74		1304.81	0.003935	2.48	218.41	247.36	0.38
RATR_6	1115	50-YR	876.4	1303	1305.21		1305.35	0.004828	3.38	355.64	389.14	0.45
RATR_6	1115	100-YR	1175.9	1303	1305.46		1305.62	0.005021	3.75	469.8	545.75	0.46
RATR_6	840	2-YR	28.7	1303	1303.09	1303.09	1303.13	0.055387	1.56	18.37	203.79	0.92
RATR_6	840	5-YR	79.7	1303	1303.43		1303.44	0.002391	0.81	98.5	277.71	0.24
RATR_6	840	10-YR	170.4	1303	1303.64		1303.66	0.002354	1.07	160.51	319.32	0.26
RATR_6	840	25-YR	425.3	1303	1304.11		1304.14	0.00171	1.38	341.51	487.63	0.24
RATR_6	840	50-YR	876.4	1303	1304.58		1304.63	0.001681	1.77	587.79	547.82	0.26
RATR_6	840	100-YR	1175.9	1303	1304.79		1304.85	0.001826	2.01	706.05	577.47	0.27
RATR_6	766	2-YR	28.7	1300.5	1302.37	1301.14	1302.4	0.001317	1.39	20.64	14.27	0.2
RATR_6	766	5-YR	79.7	1300.5	1303.12	1301.76	1303.15	0.007993	1.29	62.55	230.35	0.42
RATR_6	766	10-YR	170.4	1300.5	1303.46	1303.11	1303.48	0.002564	1.21	157.66	341.52	0.27
RATR_6	766	25-YR	425.3	1300.5	1303.99	1303.34	1304.02	0.001555	1.43	363.05	426.08	0.23
RATR_6	766	50-YR	876.4	1300.5	1304.46	1303.63	1304.5	0.001673	1.86	633.23	603.32	0.26
RATR_6	766	100-YR	1175.9	1300.5	1304.66	1303.77	1304.71	0.00182	2.09	773.82	758.37	0.27
RATR_6	733		Culvert									
RATR_6	694	2-YR	28.7	1300.51	1301.85	1301.15	1301.92	0.002854	2.14	13.39	18.8	0.33
RATR_6	694	5-YR	79.7	1300.51	1302.26	1301.77	1302.31	0.008259	1.69	47.19	110.42	0.46
RATR_6	694	10-YR	170.4	1300.51	1302.62	1302.25	1302.67	0.00563	1.8	95.52	176.13	0.4
RATR_6	694	25-YR	425.3	1300.51	1302.96	1302.63	1303.07	0.0076	2.74	170.79	269.84	0.5
RATR_6	694	50-YR	876.4	1300.51	1303.31	1303.09	1303.49	0.008744	3.63	307.48	423.98	0.56
RATR_6	694	100-YR	1175.9	1300.51	1303.52	1303.26	1303.71	0.008453	3.94	398.44	474.83	0.57
RATR_6	646	2-YR	28.7	1301.15	1301.72	1301.49	1301.74	0.004125	0.98	29.16	92.24	0.31
RATR_6	646	5-YR	79.7	1301.15	1302.07	1301.69	1302.09	0.00258	1.13	72.21	200.74	0.27
RATR_6	646	10-YR	170.4	1301.15	1302.53	1301.9	1302.55	0.001166	1.13	193.54	348.9	0.2
RATR_6	646	25-YR	425.3	1301.15	1302.34	1302.25	1302.54	0.016515	3.68	135.6	253.65	0.72
RATR_6	646	50-YR	876.4	1301.15	1302.79	1302.63	1303	0.011609	4.13	287.18	389.8	0.65
RATR_6	646	100-YR	1175.9	1301.15	1303.05	1302.79	1303.27	0.009843	4.32	398.8	519.02	0.62
RATR_6	526	2-YR	28.7	1300.02	1300.67	1300.58	1300.8	0.020217	2.89	9.94	85.52	0.73
RATR_6	526	5-YR	79.7	1300.02	1301	1300.96	1301.35	0.02714	4.75	16.79	126.04	0.93
RATR_6	526	10-YR	170.4	1300.02	1301.47	1301.47	1302.11	0.027073	6.43	26.5	274.78	1
RATR_6	526	25-YR	425.3	1300.02	1302.21	1302.21	1302.23	0.000805	1.37	433.87	421.85	0.18
RATR_6	526	50-YR	876.4	1300.02	1302.21	1302.21	1302.3	0.003419	2.83	433.87	421.85	0.37
RATR_6	526	100-YR	1175.9	1300.02	1302.21	1302.21	1302.38	0.006156	3.8	433.87	421.85	0.5
RATR_6	303	2-YR	28.7	1297.28	1297.85		1297.89	0.008899	1.59	18.09	49.77	0.46
RATR_6	303	5-YR	79.7	1297.28	1298.2		1298.27	0.007996	2.09	38.22	64.36	0.48
RATR_6	303	10-YR	170.4	1297.28	1298.6		1298.7	0.007393	2.55	66.73	78.18	0.49
RATR_6	303	25-YR	425.3	1297.28	1299.25		1299.43	0.007343	3.41	126.7	114	0.52
RATR_6	303	50-YR	876.4	1297.28	1299.92	1299.35	1300.21	0.007169	4.43	247.24	361.05	0.55
RATR_6	303	100-YR	1175.9	1297.28	1300.22	1299.7	1300.51	0.00657	4.65	364.37	427.21	0.54

RATR_6	54	2-YR	28.7	1295	1295.61	1295.4	1295.67	0.009014	1.9	15.14	32.14	0.49
RATR_6	54	5-YR	79.7	1295	1296.06	1295.73	1296.16	0.009004	2.49	31.96	44.9	0.52
RATR_6	54	10-YR	170.4	1295	1296.56	1296.13	1296.68	0.009018	2.8	60.94	72.2	0.54
RATR_6	54	25-YR	425.3	1295	1297.22	1296.76	1297.42	0.009009	3.54	120.13	99.82	0.57
RATR_6	54	50-YR	876.4	1295	1297.92	1297.35	1298.24	0.009005	4.52	193.92	111.62	0.6
RATR_6	54	100-YR	1175.9	1295	1298.25	1297.67	1298.64	0.009004	5.04	246.14	189.92	0.62

Rolling Acres Trail at Unnamed Tributary

Alternative 1 - Additional Culverts

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
RATR_6	1351	2-YR	28.7	1304.36	1304.63	1304.63	1304.7	0.056979	2.18	13.16	90.34	1.01
RATR_6	1351	5-YR	79.7	1304.36	1304.86		1304.93	0.019378	2.2	36.27	109.74	0.67
RATR_6	1351	10-YR	170.4	1304.36	1305.22		1305.28	0.006423	2.01	96.44	204.82	0.44
RATR_6	1351	25-YR	425.3	1304.36	1305.71		1305.8	0.004746	2.5	202.51	224.41	0.41
RATR_6	1351	50-YR	876.4	1304.36	1306.3		1306.43	0.004412	3.18	350.49	297.32	0.42
RATR_6	1351	100-YR	1175.9	1304.36	1306.58		1306.73	0.004482	3.53	440.28	398.7	0.44
RATR_6	1115	2-YR	28.7	1303	1303.86		1303.87	0.000835	0.62	46.3	88.39	0.15
RATR_6	1115	5-YR	79.7	1303	1304.2		1304.22	0.001143	0.94	96.87	208.89	0.19
RATR_6	1115	10-YR	170.4	1303	1304.37		1304.4	0.002396	1.55	132.53	220.66	0.28
RATR_6	1115	25-YR	425.3	1303	1304.78		1304.85	0.003478	2.38	228.53	250.32	0.36
RATR_6	1115	50-YR	876.4	1303	1305.23		1305.36	0.004645	3.33	362.36	398.09	0.44
RATR_6	1115	100-YR	1175.9	1303	1305.47		1305.63	0.00495	3.73	473.13	547.03	0.46
RATR_6	840	2-YR	28.7	1303	1303.09	1303.09	1303.13	0.055387	1.56	18.37	203.79	0.92
RATR_6	840	5-YR	79.7	1303	1303.17	1303.17	1303.25	0.056752	2.31	34.47	216.33	1.02
RATR_6	840	10-YR	170.4	1303	1303.56		1303.58	0.004004	1.26	135.57	302.77	0.32
RATR_6	840	25-YR	425.3	1303	1303.99		1304.03	0.002638	1.58	286.36	392.42	0.29
RATR_6	840	50-YR	876.4	1303	1304.49		1304.55	0.002137	1.91	538.71	535.97	0.28
RATR_6	840	100-YR	1175.9	1303	1304.73		1304.79	0.002124	2.12	668.37	568.07	0.29
RATR_6	766	2-YR	28.7	1300.5	1301.74	1300.93	1301.76	0.001173	1.27	22.66	19.83	0.2
RATR_6	766	5-YR	79.7	1300.5	1302.68	1301.35	1302.72	0.00261	1.75	45.58	40.91	0.29
RATR_6	766	10-YR	170.4	1300.5	1303.23	1301.9	1303.26	0.0047	1.49	118.04	261.89	0.36
RATR_6	766	25-YR	425.3	1300.5	1303.84	1303.2	1303.87	0.001837	1.54	328.79	402.76	0.25
RATR_6	766	50-YR	876.4	1300.5	1304.35	1303.53	1304.4	0.001801	1.95	596.9	591.27	0.27
RATR_6	766	100-YR	1175.9	1300.5	1304.59	1303.68	1304.64	0.001817	2.14	747.42	733.69	0.27
RATR_6	733		Culvert									
RATR_6	694	2-YR	28.7	1300.51	1301.62	1300.94	1301.65	0.001628	1.43	20.14	20.28	0.24
RATR_6	694	5-YR	79.7	1300.51	1302.02	1301.35	1302.15	0.004451	2.9	27.48	91.37	0.42
RATR_6	694	10-YR	170.4	1300.51	1302.54	1301.91	1302.59	0.005102	1.77	96.21	146.59	0.39
RATR_6	694	25-YR	425.3	1300.51	1302.85	1302.51	1302.98	0.00874	2.88	156.86	236.95	0.53
RATR_6	694	50-YR	876.4	1300.51	1303.25	1302.96	1303.44	0.008832	3.7	296.02	414.99	0.57
RATR_6	694	100-YR	1175.9	1300.51	1303.48	1303.19	1303.68	0.008066	3.93	394.8	463.77	0.56
RATR_6	646	2-YR	28.7	1300.2	1301.48	1300.83	1301.51	0.005638	1.36	21.05	57.18	0.37
RATR_6	646	5-YR	79.7	1300.2	1301.81	1301.5	1301.87	0.0064	2.01	39.6	108.81	0.43
RATR_6	646	10-YR	170.4	1300.2	1302.16	1301.77	1302.29	0.007328	2.84	59.98	215.44	0.49
RATR_6	646	25-YR	425.3	1300.2	1302.49	1302.3	1302.6	0.006943	2.79	188.47	331.39	0.48
RATR_6	646	50-YR	876.4	1300.2	1302.92	1302.59	1303.06	0.006594	3.43	350.67	410.49	0.5
RATR_6	646	100-YR	1175.9	1300.2	1303.18	1302.76	1303.33	0.005969	3.64	478.22	534.98	0.49
RATR_6	526	2-YR	28.7	1300.02	1300.42	1300.32	1300.46	0.015369	1.67	17.18	65.89	0.58
RATR_6	526	5-YR	79.7	1300.02	1300.64	1300.52	1300.73	0.016007	2.31	34.51	83.96	0.63
RATR_6	526	10-YR	170.4	1300.02	1300.93	1300.75	1301.04	0.015799	2.72	62.66	118.14	0.66
RATR_6	526	25-YR	425.3	1300.02	1301.35	1301.17	1301.53	0.012206	3.44	135.87	254.11	0.63
RATR_6	526	50-YR	876.4	1300.02	1301.87	1301.55	1302.12	0.010075	4.21	231.48	339.99	0.62
RATR_6	526	100-YR	1175.9	1300.02	1302.09	1301.75	1302.41	0.010853	4.81	272.04	403.26	0.66
RATR_6	303	2-YR	28.7	1297.28	1297.85		1297.89	0.008899	1.59	18.09	49.77	0.46
RATR_6	303	5-YR	79.7	1297.28	1298.2		1298.27	0.007996	2.09	38.22	64.36	0.48
RATR_6	303	10-YR	170.4	1297.28	1298.6		1298.7	0.007393	2.55	66.73	78.18	0.49
RATR_6	303	25-YR	425.3	1297.28	1299.25		1299.43	0.007343	3.41	126.7	114	0.52
RATR_6	303	50-YR	876.4	1297.28	1299.92	1299.35	1300.21	0.007169	4.43	247.24	361.05	0.55
RATR_6	303	100-YR	1175.9	1297.28	1300.22	1299.7	1300.51	0.00657	4.65	364.37	427.21	0.54

RATR_6	54	2-YR	28.7	1295	1295.61	1295.4	1295.67	0.009014	1.9	15.14	32.14	0.49
RATR_6	54	5-YR	79.7	1295	1296.06	1295.73	1296.16	0.009004	2.49	31.96	44.9	0.52
RATR_6	54	10-YR	170.4	1295	1296.56	1296.13	1296.68	0.009018	2.8	60.94	72.2	0.54
RATR_6	54	25-YR	425.3	1295	1297.22	1296.76	1297.42	0.009009	3.54	120.13	99.82	0.57
RATR_6	54	50-YR	876.4	1295	1297.92	1297.35	1298.24	0.009005	4.52	193.92	111.62	0.6
RATR_6	54	100-YR	1175.9	1295	1298.25	1297.67	1298.64	0.009004	5.04	246.14	189.92	0.62

Rolling Acres Trail at Unnamed Tributary

Alternative 2 - Bridge

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
RATR_6	1351	2-YR	28.7	1304.36	1304.63	1304.63	1304.7	0.056979	2.18	13.16	90.34	1.01
RATR_6	1351	5-YR	79.7	1304.36	1304.97		1305.01	0.007845	1.63	48.8	116.9	0.45
RATR_6	1351	10-YR	170.4	1304.36	1305.24		1305.29	0.005721	1.93	100.6	205.6	0.41
RATR_6	1351	25-YR	425.3	1304.36	1305.72		1305.81	0.00456	2.47	205.28	224.9	0.4
RATR_6	1351	50-YR	876.4	1304.36	1306.3		1306.43	0.004386	3.17	351.29	297.74	0.42
RATR_6	1351	100-YR	1175.9	1304.36	1306.58		1306.73	0.004462	3.53	441.21	400.88	0.44
RATR_6	1115	2-YR	28.7	1303	1303.86		1303.87	0.000844	0.62	46.12	88.22	0.15
RATR_6	1115	5-YR	79.7	1303	1304.07		1304.09	0.002298	1.18	71.38	177.84	0.26
RATR_6	1115	10-YR	170.4	1303	1304.33		1304.37	0.002868	1.65	123.56	217.89	0.31
RATR_6	1115	25-YR	425.3	1303	1304.74		1304.81	0.003935	2.48	218.41	247.36	0.38
RATR_6	1115	50-YR	876.4	1303	1305.21		1305.35	0.004828	3.38	355.64	389.14	0.45
RATR_6	1115	100-YR	1175.9	1303	1305.46		1305.62	0.005021	3.75	469.8	545.75	0.46
RATR_6	840	2-YR	28.7	1303	1303.09	1303.09	1303.13	0.055387	1.56	18.37	203.79	0.92
RATR_6	840	5-YR	79.7	1303	1303.43		1303.44	0.002391	0.81	98.5	277.71	0.24
RATR_6	840	10-YR	170.4	1303	1303.64		1303.66	0.002354	1.07	160.51	319.32	0.26
RATR_6	840	25-YR	425.3	1303	1304.11		1304.14	0.00171	1.38	341.51	487.63	0.24
RATR_6	840	50-YR	876.4	1303	1304.58		1304.63	0.001681	1.77	587.79	547.82	0.26
RATR_6	840	100-YR	1175.9	1303	1304.79		1304.85	0.001826	2.01	706.05	577.47	0.27
RATR_6	766	2-YR	28.7	1300.5	1302.37	1301.14	1302.4	0.001317	1.39	20.64	14.27	0.2
RATR_6	766	5-YR	79.7	1300.5	1303.12	1301.76	1303.15	0.007993	1.29	62.55	230.35	0.42
RATR_6	766	10-YR	170.4	1300.5	1303.46	1303.11	1303.48	0.002564	1.21	157.66	341.52	0.27
RATR_6	766	25-YR	425.3	1300.5	1303.99	1303.34	1304.02	0.001555	1.43	363.05	426.08	0.23
RATR_6	766	50-YR	876.4	1300.5	1304.46	1303.63	1304.5	0.001673	1.86	633.23	603.32	0.26
RATR_6	766	100-YR	1175.9	1300.5	1304.66	1303.77	1304.71	0.00182	2.09	773.82	758.37	0.27
RATR_6	733		Culvert									
RATR_6	694	2-YR	28.7	1300.51	1301.85	1301.15	1301.92	0.002854	2.14	13.39	18.8	0.33
RATR_6	694	5-YR	79.7	1300.51	1302.26	1301.77	1302.31	0.008259	1.69	47.19	110.42	0.46
RATR_6	694	10-YR	170.4	1300.51	1302.62	1302.25	1302.67	0.00563	1.8	95.52	176.13	0.4
RATR_6	694	25-YR	425.3	1300.51	1302.96	1302.63	1303.07	0.0076	2.74	170.79	269.84	0.5
RATR_6	694	50-YR	876.4	1300.51	1303.31	1303.09	1303.49	0.008744	3.63	307.48	423.98	0.56
RATR_6	694	100-YR	1175.9	1300.51	1303.52	1303.26	1303.71	0.008453	3.94	398.44	474.83	0.57
RATR_6	646	2-YR	28.7	1301.15	1301.72	1301.49	1301.74	0.004125	0.98	29.16	92.24	0.31
RATR_6	646	5-YR	79.7	1301.15	1302.07	1301.69	1302.09	0.00258	1.13	72.21	200.74	0.27
RATR_6	646	10-YR	170.4	1301.15	1302.53	1301.9	1302.55	0.001166	1.13	193.54	348.9	0.2
RATR_6	646	25-YR	425.3	1301.15	1302.34	1302.25	1302.54	0.016515	3.68	135.6	253.65	0.72
RATR_6	646	50-YR	876.4	1301.15	1302.79	1302.63	1303	0.011609	4.13	287.18	389.8	0.65
RATR_6	646	100-YR	1175.9	1301.15	1303.05	1302.79	1303.27	0.009843	4.32	398.8	519.02	0.62
RATR_6	526	2-YR	28.7	1300.02	1300.67	1300.58	1300.8	0.020217	2.89	9.94	85.52	0.73
RATR_6	526	5-YR	79.7	1300.02	1301	1300.96	1301.35	0.02714	4.75	16.79	126.04	0.93
RATR_6	526	10-YR	170.4	1300.02	1301.47	1301.47	1302.11	0.027073	6.43	26.5	274.78	1
RATR_6	526	25-YR	425.3	1300.02	1302.21	1302.21	1302.23	0.000805	1.37	433.87	421.85	0.18
RATR_6	526	50-YR	876.4	1300.02	1302.21	1302.21	1302.3	0.003419	2.83	433.87	421.85	0.37
RATR_6	526	100-YR	1175.9	1300.02	1302.21	1302.21	1302.38	0.006156	3.8	433.87	421.85	0.5
RATR_6	303	2-YR	28.7	1297.28	1297.85		1297.89	0.008899	1.59	18.09	49.77	0.46
RATR_6	303	5-YR	79.7	1297.28	1298.2		1298.27	0.007996	2.09	38.22	64.36	0.48
RATR_6	303	10-YR	170.4	1297.28	1298.6		1298.7	0.007393	2.55	66.73	78.18	0.49
RATR_6	303	25-YR	425.3	1297.28	1299.25		1299.43	0.007343	3.41	126.7	114	0.52
RATR_6	303	50-YR	876.4	1297.28	1299.92	1299.35	1300.21	0.007169	4.43	247.24	361.05	0.55
RATR_6	303	100-YR	1175.9	1297.28	1300.22	1299.7	1300.51	0.00657	4.65	364.37	427.21	0.54

RATR_6	54	2-YR	28.7	1295	1295.61	1295.4	1295.67	0.009014	1.9	15.14	32.14	0.49
RATR_6	54	5-YR	79.7	1295	1296.06	1295.73	1296.16	0.009004	2.49	31.96	44.9	0.52
RATR_6	54	10-YR	170.4	1295	1296.56	1296.13	1296.68	0.009018	2.8	60.94	72.2	0.54
RATR_6	54	25-YR	425.3	1295	1297.22	1296.76	1297.42	0.009009	3.54	120.13	99.82	0.57
RATR_6	54	50-YR	876.4	1295	1297.92	1297.35	1298.24	0.009005	4.52	193.92	111.62	0.6
RATR_6	54	100-YR	1175.9	1295	1298.25	1297.67	1298.64	0.009004	5.04	246.14	189.92	0.62

Silver Spur Trail at Post Oak Creek

Existing Conditions

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
SSTR	1956	2-YR	405.2	1272	1273.32	1273.32	1273.88	0.028749	6	67.59	60.82	1
SSTR	1956	5-YR	2433	1272	1275.59	1275.59	1276.55	0.014629	8.58	355.14	190.05	0.85
SSTR	1956	10-YR	4167.2	1272	1276.55	1276.5	1277.7	0.013418	9.8	553.74	223.32	0.85
SSTR	1956	25-YR	6109	1272	1277.91		1278.81	0.007912	9.11	938.1	311.72	0.69
SSTR	1956	50-YR	7412.7	1272	1278.77		1279.5	0.005632	8.46	1247.74	469.05	0.59
SSTR	1956	100-YR	8623.3	1272	1279.45		1280.07	0.004432	8.04	1604.93	564.16	0.53
SSTR	1690	2-YR	405.2	1265	1269.68		1269.8	0.001685	2.79	145.31	47.97	0.28
SSTR	1690	5-YR	2433	1265	1273.44		1274.01	0.003801	6.15	427.69	126.78	0.47
SSTR	1690	10-YR	4167.2	1265	1275.12		1275.88	0.003757	7.33	668.17	156.88	0.49
SSTR	1690	25-YR	6109	1265	1276.37		1277.34	0.004071	8.51	876.15	176.39	0.52
SSTR	1690	50-YR	7412.7	1265	1277.04		1278.15	0.004293	9.21	1000.62	226.02	0.54
SSTR	1690	100-YR	8623.3	1265	1277.67		1278.85	0.004276	9.61	1158.17	272.72	0.55
SSTR	1410	2-YR	405.2	1266	1268.89	1267.96	1269.05	0.004746	3.29	123	70.27	0.44
SSTR	1410	5-YR	2433	1266	1272.46		1272.93	0.003657	5.49	453.4	120.13	0.45
SSTR	1410	10-YR	4167.2	1266	1274.22		1274.85	0.003338	6.51	703.06	160.11	0.46
SSTR	1410	25-YR	6109	1266	1275.32		1276.2	0.003895	7.82	891.27	183.84	0.51
SSTR	1410	50-YR	7412.7	1266	1275.87		1276.93	0.004342	8.66	997.44	201.16	0.54
SSTR	1410	100-YR	8623.3	1266	1276.32		1277.58	0.004808	9.46	1095.12	234.18	0.57
SSTR	1139	2-YR	405.2	1264	1265.75	1265.75	1266.45	0.026755	6.71	60.38	43.24	1
SSTR	1139	5-YR	2433	1264	1271.26	1268.87	1271.86	0.004167	6.2	392.46	79.89	0.48
SSTR	1139	10-YR	4167.2	1264	1272.89	1270.6	1273.78	0.004471	7.73	621.79	218.72	0.53
SSTR	1139	25-YR	6109	1264	1273.99	1272.73	1275.03	0.004672	8.74	913.91	289.85	0.55
SSTR	1139	50-YR	7412.7	1264	1274.45	1273.77	1275.64	0.005166	9.55	1054.99	326.84	0.59
SSTR	1139	100-YR	8623.3	1264	1274.66	1274.24	1276.1	0.006141	10.58	1124.6	342.02	0.64
SSTR	1062	2-YR	405.2	1259.1	1265.77	1260.66	1265.81	0.000197	1.64	246.87	51.05	0.11
SSTR	1062	5-YR	2433	1259.1	1271.35	1264.24	1271.53	0.000799	3.37	737.73	132.17	0.22
SSTR	1062	10-YR	4167.2	1259.1	1273.03	1266.44	1273.34	0.001102	4.53	1059.12	280.94	0.27
SSTR	1062	25-YR	6109	1259.1	1274.11	1268.29	1274.55	0.001423	5.55	1392.85	348.44	0.31
SSTR	1062	50-YR	7412.7	1259.1	1274.56	1269.37	1275.11	0.00174	6.32	1570.67	481.45	0.34
SSTR	1062	100-YR	8623.3	1259.1	1274.78	1270.23	1275.46	0.002114	7.06	1685.79	534.91	0.38
SSTR	1025		Culvert									
SSTR	977	2-YR	405.2	1259	1265.56	1260.54	1265.6	0.000209	1.67	242.58	47.41	0.12
SSTR	977	5-YR	2433	1259	1270.02	1264.13	1270.3	0.001528	4.24	589.14	123.15	0.29
SSTR	977	10-YR	4167.2	1259	1271.62	1266.33	1272.07	0.001948	5.53	877.81	230.9	0.34
SSTR	977	25-YR	6109	1259	1272.9	1268.66	1273.46	0.002152	6.41	1225.29	308.43	0.37
SSTR	977	50-YR	7412.7	1259	1273.63	1269.64	1274.2	0.002144	6.72	1539.36	508.89	0.37
SSTR	977	100-YR	8623.3	1259	1274.18	1270.77	1274.76	0.00213	6.93	1881.71	741.85	0.37
SSTR	861	2-YR	405.2	1260	1265.37	1262.78	1265.51	0.002328	3.04	133.21	47.19	0.32
SSTR	861	5-YR	2433	1260	1269.7	1267.24	1270.04	0.002826	4.72	528.72	133.23	0.39
SSTR	861	10-YR	4167.2	1260	1271.24	1268.68	1271.76	0.002997	5.9	769.01	236.92	0.42
SSTR	861	25-YR	6109	1260	1272.52	1269.74	1273.14	0.002941	6.64	1092.11	286.9	0.43
SSTR	861	50-YR	7412.7	1260	1273.24	1270.39	1273.89	0.002865	6.97	1366.94	507.14	0.43
SSTR	861	100-YR	8623.3	1260	1273.81	1270.94	1274.46	0.002725	7.12	1700.1	615.37	0.43
SSTR	395	2-YR	405.2	1260	1264.55		1264.64	0.001494	2.42	167.42	63.14	0.26
SSTR	395	5-YR	2433	1260	1268.16		1268.6	0.003369	5.32	465.39	143.12	0.43
SSTR	395	10-YR	4167.2	1260	1269.42		1270.14	0.004149	6.91	659.63	169.24	0.5
SSTR	395	25-YR	6109	1260	1270.37		1271.4	0.005067	8.43	834.93	205.56	0.57
SSTR	395	50-YR	7412.7	1260	1270.88		1272.11	0.005626	9.31	946.24	232.14	0.6
SSTR	395	100-YR	8623.3	1260	1271.31		1272.7	0.006009	9.99	1050.17	249.57	0.63

SSTR	88	2-YR	405.2	1260	1263.71	1262.37	1263.92	0.004	3.65	110.9	47	0.42
SSTR	88	5-YR	2433	1260	1267.11	1265.71	1267.44	0.004007	4.65	537.64	184.91	0.45
SSTR	88	10-YR	4167.2	1260	1268.33	1266.61	1268.82	0.004001	5.72	795.63	278.8	0.47
SSTR	88	25-YR	6109	1260	1269.3	1267.48	1269.91	0.004	6.5	1088.38	317.12	0.49
SSTR	88	50-YR	7412.7	1260	1269.84	1267.88	1270.51	0.004006	6.92	1263.18	328.67	0.49
SSTR	88	100-YR	8623.3	1260	1270.3	1268.65	1271.03	0.004008	7.27	1418.08	341.62	0.5

Silver Spur Trail at Post Oak Creek

Alternative 1 - Bridge

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
SSTR	1956	2-YR	405.2	1272	1273.32	1273.32	1273.88	0.028749	6	67.59	60.82	1
SSTR	1956	5-YR	2433	1272	1275.59	1275.59	1276.55	0.014629	8.58	355.14	190.05	0.85
SSTR	1956	10-YR	4167.2	1272	1276.55	1276.5	1277.7	0.013418	9.8	553.74	223.32	0.85
SSTR	1956	25-YR	6109	1272	1277.91		1278.81	0.007912	9.11	938.1	311.72	0.69
SSTR	1956	50-YR	7412.7	1272	1278.77		1279.5	0.005632	8.46	1247.74	469.05	0.59
SSTR	1956	100-YR	8623.3	1272	1279.45		1280.07	0.004432	8.04	1604.93	564.16	0.53
SSTR	1690	2-YR	405.2	1265	1269.68		1269.8	0.001685	2.79	145.31	47.97	0.28
SSTR	1690	5-YR	2433	1265	1273.44		1274.01	0.003801	6.15	427.69	126.78	0.47
SSTR	1690	10-YR	4167.2	1265	1275.12		1275.88	0.003757	7.33	668.17	156.88	0.49
SSTR	1690	25-YR	6109	1265	1276.37		1277.34	0.004071	8.51	876.15	176.39	0.52
SSTR	1690	50-YR	7412.7	1265	1277.04		1278.15	0.004293	9.21	1000.62	226.02	0.54
SSTR	1690	100-YR	8623.3	1265	1277.67		1278.85	0.004276	9.61	1158.17	272.72	0.55
SSTR	1410	2-YR	405.2	1266	1268.89	1267.96	1269.05	0.004746	3.29	123	70.27	0.44
SSTR	1410	5-YR	2433	1266	1272.46		1272.93	0.003657	5.49	453.4	120.13	0.45
SSTR	1410	10-YR	4167.2	1266	1274.22		1274.85	0.003338	6.51	703.06	160.11	0.46
SSTR	1410	25-YR	6109	1266	1275.32		1276.2	0.003895	7.82	891.27	183.84	0.51
SSTR	1410	50-YR	7412.7	1266	1275.87		1276.93	0.004342	8.66	997.44	201.16	0.54
SSTR	1410	100-YR	8623.3	1266	1276.32		1277.58	0.004808	9.46	1095.12	234.18	0.57
SSTR	1139	2-YR	405.2	1264	1265.75	1265.75	1266.45	0.026755	6.71	60.38	43.24	1
SSTR	1139	5-YR	2433	1264	1271.26	1268.87	1271.86	0.004167	6.2	392.46	79.89	0.48
SSTR	1139	10-YR	4167.2	1264	1272.89	1270.6	1273.78	0.004471	7.73	621.79	218.72	0.53
SSTR	1139	25-YR	6109	1264	1273.99	1272.73	1275.03	0.004672	8.74	913.91	289.85	0.55
SSTR	1139	50-YR	7412.7	1264	1274.45	1273.77	1275.64	0.005166	9.55	1054.99	326.84	0.59
SSTR	1139	100-YR	8623.3	1264	1274.66	1274.24	1276.1	0.006141	10.58	1124.6	342.02	0.64
SSTR	1062	2-YR	405.2	1259.1	1265.77	1260.66	1265.81	0.000197	1.64	246.87	51.05	0.11
SSTR	1062	5-YR	2433	1259.1	1271.35	1264.24	1271.53	0.000799	3.37	737.73	132.17	0.22
SSTR	1062	10-YR	4167.2	1259.1	1273.03	1266.44	1273.34	0.001102	4.53	1059.12	280.94	0.27
SSTR	1062	25-YR	6109	1259.1	1274.11	1268.29	1274.55	0.001423	5.55	1392.85	348.44	0.31
SSTR	1062	50-YR	7412.7	1259.1	1274.56	1269.37	1275.11	0.00174	6.32	1570.67	481.45	0.34
SSTR	1062	100-YR	8623.3	1259.1	1274.78	1270.23	1275.46	0.002114	7.06	1685.79	534.91	0.38
SSTR	1025		Culvert									
SSTR	977	2-YR	405.2	1259	1265.56	1260.54	1265.6	0.000209	1.67	242.58	47.41	0.12
SSTR	977	5-YR	2433	1259	1270.02	1264.13	1270.3	0.001528	4.24	589.14	123.15	0.29
SSTR	977	10-YR	4167.2	1259	1271.62	1266.33	1272.07	0.001948	5.53	877.81	230.9	0.34
SSTR	977	25-YR	6109	1259	1272.9	1268.66	1273.46	0.002152	6.41	1225.29	308.43	0.37
SSTR	977	50-YR	7412.7	1259	1273.63	1269.64	1274.2	0.002144	6.72	1539.36	508.89	0.37
SSTR	977	100-YR	8623.3	1259	1274.18	1270.77	1274.76	0.00213	6.93	1881.71	741.85	0.37
SSTR	861	2-YR	405.2	1260	1265.37	1262.78	1265.51	0.002328	3.04	133.21	47.19	0.32
SSTR	861	5-YR	2433	1260	1269.7	1267.24	1270.04	0.002826	4.72	528.72	133.23	0.39
SSTR	861	10-YR	4167.2	1260	1271.24	1268.68	1271.76	0.002997	5.9	769.01	236.92	0.42
SSTR	861	25-YR	6109	1260	1272.52	1269.74	1273.14	0.002941	6.64	1092.11	286.9	0.43
SSTR	861	50-YR	7412.7	1260	1273.24	1270.39	1273.89	0.002865	6.97	1366.94	507.14	0.43
SSTR	861	100-YR	8623.3	1260	1273.81	1270.94	1274.46	0.002725	7.12	1700.1	615.37	0.43
SSTR	395	2-YR	405.2	1260	1264.55		1264.64	0.001494	2.42	167.42	63.14	0.26
SSTR	395	5-YR	2433	1260	1268.16		1268.6	0.003369	5.32	465.39	143.12	0.43
SSTR	395	10-YR	4167.2	1260	1269.42		1270.14	0.004149	6.91	659.63	169.24	0.5
SSTR	395	25-YR	6109	1260	1270.37		1271.4	0.005067	8.43	834.93	205.56	0.57
SSTR	395	50-YR	7412.7	1260	1270.88		1272.11	0.005626	9.31	946.24	232.14	0.6
SSTR	395	100-YR	8623.3	1260	1271.31		1272.7	0.006009	9.99	1050.17	249.57	0.63

SSTR	88	2-YR	405.2	1260	1263.71	1262.37	1263.92	0.004	3.65	110.9	47	0.42
SSTR	88	5-YR	2433	1260	1267.11	1265.71	1267.44	0.004007	4.65	537.64	184.91	0.45
SSTR	88	10-YR	4167.2	1260	1268.33	1266.61	1268.82	0.004001	5.72	795.63	278.8	0.47
SSTR	88	25-YR	6109	1260	1269.3	1267.48	1269.91	0.004	6.5	1088.38	317.12	0.49
SSTR	88	50-YR	7412.7	1260	1269.84	1267.88	1270.51	0.004006	6.92	1263.18	328.67	0.49
SSTR	88	100-YR	8623.3	1260	1270.3	1268.65	1271.03	0.004008	7.27	1418.08	341.62	0.5

Silver Spur Trail at Post Oak Creek

Alternative 2 - Additional Culverts

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
SSTR	1956	2-YR	651	1272	1273.76	1273.76	1274.48	0.026626	6.82	95.45	66.77	1.01
SSTR	1956	5-YR	1967	1272	1275.28	1275.28	1276.16	0.015031	8.11	297.06	176.78	0.85
SSTR	1956	10-YR	3416	1272	1276.16	1276.16	1277.25	0.014082	9.39	468.58	211.49	0.86
SSTR	1956	25-YR	6004	1272	1277.86		1278.77	0.008042	9.12	921	311.14	0.69
SSTR	1956	50-YR	8524	1272	1279.41		1280.03	0.004482	8.05	1580.16	559.78	0.54
SSTR	1956	100-YR	11642	1272	1280.87		1281.38	0.003161	7.68	2632.84	856.16	0.47
SSTR	1690	2-YR	651	1265	1270.43		1270.63	0.002354	3.54	183.8	54.45	0.34
SSTR	1690	5-YR	1967	1265	1273.03		1273.49	0.003328	5.46	378.16	117.85	0.43
SSTR	1690	10-YR	3416	1265	1274.69		1275.3	0.003274	6.56	601.9	150.08	0.45
SSTR	1690	25-YR	6004	1265	1276.41		1277.33	0.003844	8.3	883.98	177.14	0.51
SSTR	1690	50-YR	8524	1265	1277.66		1278.82	0.004206	9.52	1154.34	271.69	0.54
SSTR	1690	100-YR	11642	1265	1279.06	1277.18	1280.34	0.0042	10.42	1857.01	802.73	0.55
SSTR	1410	2-YR	651	1266	1269.37		1269.63	0.005948	4.11	158.36	76.82	0.5
SSTR	1410	5-YR	1967	1266	1272.27		1272.6	0.002776	4.66	430.08	114.38	0.39
SSTR	1410	10-YR	3416	1266	1273.98		1274.45	0.002585	5.59	665.59	155.58	0.4
SSTR	1410	25-YR	6004	1266	1275.47		1276.28	0.003475	7.5	920.12	188.46	0.48
SSTR	1410	50-YR	8524	1266	1276.38		1277.58	0.004598	9.29	1107.15	238.75	0.56
SSTR	1410	100-YR	11642	1266	1277.24	1275.66	1278.93	0.005821	11.15	1352.69	322.31	0.64
SSTR	1139	2-YR	651	1264	1266.74	1266.29	1267.32	0.012727	6.13	106.2	49.65	0.74
SSTR	1139	5-YR	1967	1264	1271.58	1268.32	1271.93	0.00222	4.72	418.72	83.8	0.36
SSTR	1139	10-YR	3416	1264	1273.31	1269.91	1273.79	0.002295	5.77	724.95	261.58	0.38
SSTR	1139	25-YR	6004	1264	1274.71	1272.67	1275.39	0.002882	7.28	1142.65	345.81	0.44
SSTR	1139	50-YR	8524	1264	1275.27	1274.16	1276.34	0.004332	9.31	1367.72	462.76	0.54
SSTR	1139	100-YR	11642	1264	1275.7	1274.98	1277.27	0.006227	11.52	1600.02	582	0.66
SSTR	1062	2-YR	651	1259.1	1266.98	1260.7	1267.01	0.000123	1.45	449.02	66.63	0.09
SSTR	1062	5-YR	1967	1259.1	1271.67	1262.43	1271.75	0.000266	2.2	919.66	143.65	0.13
SSTR	1062	10-YR	3416	1259.1	1273.41	1263.91	1273.55	0.000409	3.07	1308.69	299.05	0.16
SSTR	1062	25-YR	6004	1259.1	1274.81	1266.12	1275.08	0.000728	4.43	1840.16	543.58	0.22
SSTR	1062	50-YR	8524	1259.1	1275.44	1267.97	1275.86	0.001101	5.64	2289.12	779.22	0.28
SSTR	1062	100-YR	11642	1259.1	1275.98	1270.01	1276.56	0.001538	6.85	2716.97	805.36	0.33
SSTR	1025		Culvert									
SSTR	977	2-YR	651	1259	1266.7	1260.58	1266.74	0.000133	1.48	439.1	73.31	0.09
SSTR	977	5-YR	1967	1259	1269.43	1262.32	1269.6	0.000441	3.31	594.33	101.87	0.18
SSTR	977	10-YR	3416	1259	1271.08	1263.81	1271.31	0.000727	3.89	960.61	205.87	0.22
SSTR	977	25-YR	6004	1259	1272.95	1266.03	1273.34	0.001058	5.26	1441.53	326.21	0.27
SSTR	977	50-YR	8524	1259	1274.21	1267.87	1274.68	0.00122	6.04	2108.59	748.16	0.29
SSTR	977	100-YR	11642	1259	1275.32	1269.93	1275.85	0.001389	6.8	3102.99	1115.1	0.32
SSTR	861	2-YR	651	1260	1266.48	1263.87	1266.65	0.002479	3.37	193.22	62.35	0.34
SSTR	861	5-YR	1967	1260	1269.16	1266.53	1269.45	0.002844	4.35	456.14	127.23	0.38
SSTR	861	10-YR	3416	1260	1270.63	1268.22	1271.09	0.002961	5.47	640.05	145.09	0.41
SSTR	861	25-YR	6004	1260	1272.46	1269.66	1273.08	0.002946	6.61	1074.48	274.17	0.43
SSTR	861	50-YR	8524	1260	1273.77	1271.3	1274.42	0.002738	7.11	1672.72	610.34	0.43
SSTR	861	100-YR	11642	1260	1275.05	1272.55	1275.63	0.002303	7.15	2609.94	780.47	0.4
SSTR	395	2-YR	651	1260	1265.72		1265.82	0.001285	2.63	247.6	73.52	0.25
SSTR	395	5-YR	1967	1260	1267.74		1268.09	0.00302	4.73	415.54	97.75	0.4
SSTR	395	10-YR	3416	1260	1268.91		1269.52	0.003884	6.3	577.6	155.32	0.48
SSTR	395	25-YR	6004	1260	1270.32		1271.34	0.005018	8.35	825.92	203.27	0.56
SSTR	395	50-YR	8524	1260	1271.27		1272.65	0.00598	9.94	1041.82	248.33	0.63
SSTR	395	100-YR	11642	1260	1272.27	1271.45	1274	0.006693	11.39	1311.85	299.52	0.68

SSTR	88	2-YR	651	1260	1265.03	1263.03	1265.18	0.004005	3.1	209.97	114.93	0.4
SSTR	88	5-YR	1967	1260	1266.72	1265.34	1267	0.004001	4.28	467.39	176.46	0.44
SSTR	88	10-YR	3416	1260	1267.83	1266.22	1268.26	0.004001	5.3	676.6	200.62	0.46
SSTR	88	25-YR	6004	1260	1269.25	1267.44	1269.85	0.004001	6.47	1073.62	316.15	0.49
SSTR	88	50-YR	8524	1260	1270.27	1268.64	1270.99	0.004	7.24	1406.42	340.39	0.5
SSTR	88	100-YR	11642	1260	1271.35	1269.56	1272.2	0.004	8.02	1803.42	394.79	0.51

Battle Intense at Cibolo Creek

Existing Conditions

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach 2	715923	2 - Year	2091	1249.1	1257.51		1258.16	0.008418	6.47	323.36	150.23	0.64
Reach 2	715923	5 - Year	16247	1249.1	1265.87		1267.26	0.004109	9.73	1907.16	1083.64	0.54
Reach 2	715923	10 - Year	31320	1249.1	1270.16		1271.53	0.003069	10.66	5239.99	1650.14	0.5
Reach 2	715923	50 - Year	59811	1249.1	1275.99		1276.52	0.001144	8.17	13932.92	2380.96	0.32
Reach 2	715923	100 - Year	70638	1249.1	1277.41		1278.01	0.001207	8.77	16727.15	2472.49	0.33
Reach 2	715923	500 - Year	108677	1249.1	1280.02		1280.68	0.001267	9.71	24511.41	3257.07	0.35
Reach 2	715480	2 - Year	2091	1248.17	1257.18		1257.22	0.000365	1.69	1343.48	285.37	0.14
Reach 2	715480	5 - Year	16247	1248.17	1265.47		1265.72	0.000703	4.65	5037.13	895.21	0.23
Reach 2	715480	10 - Year	31320	1248.17	1269.8		1270.13	0.000686	5.61	8509.69	1261.5	0.24
Reach 2	715480	50 - Year	59811	1248.17	1275.7		1276.01	0.00051	5.92	17388.5	2010.17	0.22
Reach 2	715480	100 - Year	70638	1248.17	1277.12		1277.45	0.000511	6.17	19718.93	2504.43	0.22
Reach 2	715480	500 - Year	108677	1248.17	1279.63		1280.13	0.000715	7.8	23904.27	3301.72	0.27
Reach 2	714891	2 - Year	2091	1246.48	1256.27		1256.63	0.003899	4.76	440.51	129.52	0.44
Reach 2	714891	5 - Year	16247	1246.48	1263.7		1264.73	0.003231	9.15	2501.77	404.61	0.49
Reach 2	714891	10 - Year	31320	1246.48	1268.11		1269.22	0.002616	10.3	5187.48	855.4	0.46
Reach 2	714891	50 - Year	59811	1246.48	1274.51		1275.38	0.001669	10.37	12616.58	1770.86	0.39
Reach 2	714891	100 - Year	70638	1246.48	1276.22		1276.91	0.001324	9.71	15667.25	1794.43	0.35
Reach 2	714891	500 - Year	108677	1246.48	1278.58		1279.46	0.001612	11.42	19951.8	1832.63	0.4
Reach 2	714290	2 - Year	2091	1246.31	1255.06		1255.25	0.001434	3.52	651.86	185.28	0.26
Reach 2	714290	5 - Year	16247	1246.31	1261.94		1262.88	0.003169	8.92	2531.21	372.21	0.45
Reach 2	714290	10 - Year	31320	1246.31	1266.68		1267.74	0.002659	10.13	4661.39	652.13	0.43
Reach 2	714290	50 - Year	59811	1246.31	1273.57		1274.44	0.00177	10.34	10639.84	1377.97	0.37
Reach 2	714290	100 - Year	70638	1246.31	1274.54		1275.87	0.002582	12.83	12420.21	1967.41	0.45
Reach 2	714290	500 - Year	108677	1246.31	1277.15		1278.37	0.002488	13.45	17595.52	2017.39	0.45
Reach 2	713689	2 - Year	2091	1245.6	1254.34		1254.43	0.001199	2.45	857.72	243.12	0.22
Reach 2	713689	5 - Year	16247	1245.6	1260.41		1261.13	0.002616	6.92	2503.59	299.79	0.39
Reach 2	713689	10 - Year	31320	1245.6	1265.2		1266.28	0.002391	8.64	4082.88	368.25	0.4
Reach 2	713689	50 - Year	59811	1245.6	1272.52		1273.5	0.001509	9	10826.25	1622.39	0.34
Reach 2	713689	100 - Year	70638	1245.6	1273.44		1274.62	0.001759	9.99	12610.88	2230.21	0.37
Reach 2	713689	500 - Year	108677	1245.6	1275.92		1277.16	0.001922	11.19	18308.38	2337.74	0.39
Reach 2	713367	2 - Year	2091	1242.2	1253.72	1249.9	1253.92	0.002061	3.86	688.09	265.6	0.3
Reach 2	713367	5 - Year	16247	1242.2	1259.52	1256.72	1260.24	0.003693	8.55	2951.41	517.95	0.46
Reach 2	713367	10 - Year	31320	1242.2	1264.84	1259.42	1265.43	0.001964	8.12	6025.86	644.25	0.35
Reach 2	713367	50 - Year	59811	1242.2	1272.28	1262.48	1272.88	0.001628	9.51	13888.33	1905.1	0.34
Reach 2	713367	100 - Year	70638	1242.2	1273.13	1263.43	1273.89	0.002019	10.84	15883.25	2585.34	0.39
Reach 2	713367	500 - Year	108677	1242.2	1275.73	1265.89	1276.41	0.001854	11.11	22870.04	2749.36	0.38
Reach 2	713329		Culvert									
Reach 2	713301	2 - Year	2091	1242.17	1251.09		1251.44	0.006175	4.77	449.75	192.67	0.49
Reach 2	713301	5 - Year	16247	1242.17	1259.67		1260.08	0.001623	6.02	3692.85	463.5	0.31
Reach 2	713301	10 - Year	31320	1242.17	1264.73		1265.26	0.00141	7.15	6463.15	611.13	0.31
Reach 2	713301	50 - Year	59811	1242.17	1272		1272.77	0.001435	9.19	13271.04	2004.87	0.33
Reach 2	713301	100 - Year	70638	1242.17	1272.99		1273.82	0.001556	9.83	15693.26	2618.16	0.35
Reach 2	713301	500 - Year	108677	1242.17	1275.34		1276.34	0.001927	11.62	22493.56	3380.77	0.39
Reach 2	712967	2 - Year	2091	1241.98	1250.17		1250.41	0.001709	3.95	549.23	237.21	0.31
Reach 2	712967	5 - Year	16247	1241.98	1259.1		1259.57	0.001233	6.65	3672.77	420.25	0.31
Reach 2	712967	10 - Year	31320	1241.98	1264.09		1264.76	0.001252	8.22	5962.69	543.67	0.33
Reach 2	712967	50 - Year	59811	1241.98	1270.33		1271.94	0.002169	13.08	11298.28	2053.71	0.46
Reach 2	712967	100 - Year	70638	1241.98	1271.75		1273.09	0.001902	12.71	14454.21	2426.25	0.43
Reach 2	712967	500 - Year	108677	1241.98	1274.59		1275.68	0.001736	12.99	23486.33	3283	0.42

Reach 2	712501	2 - Year	2075	1241.72	1249.79		1249.89	0.000683	2.53	820.37	162.36	0.2
Reach 2	712501	5 - Year	16125	1241.72	1258.25		1258.96	0.001386	6.9	2615.13	280.3	0.33
Reach 2	712501	10 - Year	31046	1241.72	1262.89		1264.06	0.001643	9.17	4088.34	337.6	0.38
Reach 2	712501	50 - Year	59372	1241.72	1268.35	1261.11	1270.8	0.002457	13.37	7112.69	1478.26	0.49
Reach 2	712501	100 - Year	69820	1241.72	1269.54	1262.52	1272	0.002483	13.89	9049.92	1766.37	0.49
Reach 2	712501	500 - Year	108422	1241.72	1272.37	1267.96	1274.64	0.002514	15.02	16572.09	2886.49	0.5
Reach 2	711822	2 - Year	2075	1240.15	1248.85		1249.06	0.002619	3.7	560.9	145.53	0.33
Reach 2	711822	5 - Year	16125	1240.15	1257.27		1257.82	0.001866	6.61	3234.21	405.61	0.34
Reach 2	711822	10 - Year	31046	1240.15	1262.01		1262.78	0.001797	8.11	5324.8	472.84	0.35
Reach 2	711822	50 - Year	59372	1240.15	1267.76		1268.92	0.001979	10.39	9558.02	1253.08	0.39
Reach 2	711822	100 - Year	69820	1240.15	1268.64		1270.06	0.002336	11.57	11344.1	2552.46	0.42
Reach 2	711822	500 - Year	108422	1240.15	1271.53		1272.75	0.002177	12.08	19690.74	3114	0.42
Reach 2	711104	2 - Year	2075	1236.42	1247.72		1247.84	0.001143	2.77	749.96	162.05	0.23
Reach 2	711104	5 - Year	16125	1236.42	1255.91		1256.52	0.001741	6.67	3008.32	403.58	0.33
Reach 2	711104	10 - Year	31046	1236.42	1260.58		1261.47	0.001804	8.38	4994.98	445.52	0.35
Reach 2	711104	50 - Year	59372	1236.42	1266.2		1267.48	0.001987	10.6	9667.53	2329.34	0.39
Reach 2	711104	100 - Year	69820	1236.42	1267.15		1268.45	0.002053	11.07	12067.12	2778.3	0.4
Reach 2	711104	500 - Year	108422	1236.42	1270.22		1271.28	0.001834	11.35	21540.96	3340.77	0.39
Reach 2	710538	2 - Year	2075	1236.5	1247.47		1247.53	0.0003	1.92	1100.21	203.38	0.14
Reach 2	710538	5 - Year	16125	1236.5	1255.21		1255.75	0.001038	6.14	3045.93	351.91	0.29
Reach 2	710538	10 - Year	31046	1236.5	1259.57		1260.57	0.001395	8.53	4570.91	549.13	0.35
Reach 2	710538	50 - Year	59372	1236.5	1264.46	1256.35	1266.3	0.002016	12	8549.22	2655.58	0.44
Reach 2	710538	100 - Year	69820	1236.5	1265.25	1257.95	1267.2	0.002172	12.74	10531.65	3002.33	0.46
Reach 2	710538	500 - Year	108422	1236.5	1269.01		1270.3	0.001616	12.11	22051.19	3612.53	0.41
Reach 2	710011	2 - Year	2233	1240.08	1247.07		1247.21	0.001269	2.99	784.1	243.36	0.26
Reach 2	710011	5 - Year	17349	1240.08	1254.17		1254.93	0.002049	7.45	2825.5	399.97	0.39
Reach 2	710011	10 - Year	33700	1240.08	1258.07		1259.46	0.002605	10.25	4270.46	923.89	0.47
Reach 2	710011	50 - Year	64229	1240.08	1262.47	1257.38	1264.79	0.003407	13.91	10004.24	2531.97	0.56
Reach 2	710011	100 - Year	75217	1240.08	1264.25		1265.81	0.002411	12.41	14643.99	2734.31	0.47
Reach 2	710011	500 - Year	114828	1240.08	1268.46		1269.3	0.001399	10.66	26468.79	2845.96	0.37
Reach 2	709632	2 - Year	2233	1239.88	1246.25		1246.45	0.00368	3.97	705.63	305.24	0.42
Reach 2	709632	5 - Year	17349	1239.88	1253.56		1254.07	0.002168	7.15	4209.2	730.54	0.4
Reach 2	709632	10 - Year	33700	1239.88	1257.89		1258.43	0.001699	8.03	8618.59	1366.36	0.37
Reach 2	709632	50 - Year	64229	1239.88	1263		1263.49	0.001319	8.66	18533.51	2477.11	0.34
Reach 2	709632	100 - Year	75217	1239.88	1264.46		1264.89	0.001115	8.35	22185.09	2530.26	0.32
Reach 2	709632	500 - Year	114828	1239.88	1268.38		1268.76	0.00089	8.36	32702.12	2868.89	0.29
Reach 2	709274	2 - Year	2233	1238.02	1244.89		1245.11	0.003966	4.11	597.43	197.04	0.43
Reach 2	709274	5 - Year	17349	1238.02	1252.56		1253.23	0.002569	7.88	3624.4	671.21	0.43
Reach 2	709274	10 - Year	33700	1238.02	1257.34		1257.87	0.001548	7.88	8430.88	1213.67	0.36
Reach 2	709274	50 - Year	64229	1238.02	1262.69		1263.07	0.001001	7.76	19460.17	2383.51	0.3
Reach 2	709274	100 - Year	75217	1238.02	1264.2		1264.54	0.000842	7.46	23084.4	2408.56	0.28
Reach 2	709274	500 - Year	114828	1238.02	1268.16		1268.48	0.000695	7.58	32745.64	2469.83	0.26
Reach 2	709036	2 - Year	2233	1236.14	1243.99		1244.19	0.004015	3.93	679.53	243.11	0.37
Reach 2	709036	5 - Year	17349	1236.14	1252.3		1252.65	0.001831	5.94	4185.81	645.93	0.3
Reach 2	709036	10 - Year	33700	1236.14	1257.08		1257.48	0.001616	6.99	8337.27	1240.97	0.3
Reach 2	709036	50 - Year	64229	1236.14	1262.5		1262.81	0.001162	7.16	18542.63	2115.02	0.27
Reach 2	709036	100 - Year	75217	1236.14	1264.04		1264.32	0.000984	6.89	21809.99	2137.22	0.25
Reach 2	709036	500 - Year	114828	1236.14	1268.01		1268.3	0.000831	7.02	30405.49	2181.64	0.24
Reach 2	708789	2 - Year	2233	1234.55	1243.19		1243.35	0.002725	3.41	714.57	195.44	0.31
Reach 2	708789	5 - Year	17349	1234.55	1251.77		1252.17	0.001893	6.24	4108.55	595.29	0.31
Reach 2	708789	10 - Year	33700	1234.55	1256.63		1257.07	0.001562	7.07	7776.24	1080.33	0.3
Reach 2	708789	50 - Year	64229	1234.55	1262.08		1262.49	0.001304	7.75	16940.58	1931.44	0.29

Reach 2	708789	100 - Year	75217	1234.55	1263.69		1264.05	0.001097	7.44	20054.39	1950.3	0.27
Reach 2	708789	500 - Year	114828	1234.55	1267.71		1268.07	0.000945	7.65	27999.01	2003.73	0.25
Reach 2	708555	2 - Year	2233	1234.03	1242.67		1242.83	0.001826	3.22	713.13	189.69	0.26
Reach 2	708555	5 - Year	17349	1234.03	1251.16		1251.7	0.001929	6.59	3370.05	386.1	0.32
Reach 2	708555	10 - Year	33700	1234.03	1255.8		1256.6	0.002172	8.54	6319.8	835.36	0.36
Reach 2	708555	50 - Year	64229	1234.03	1261.52		1262.13	0.001525	8.62	14595.3	1686.03	0.31
Reach 2	708555	100 - Year	75217	1234.03	1263.17		1263.74	0.001362	8.52	17486.13	1835.73	0.3
Reach 2	708555	500 - Year	114828	1234.03	1267.29		1267.81	0.001147	8.65	25284.32	1939.1	0.28
Reach 2	708328	2 - Year	2233	1233.48	1241.78		1242.15	0.005191	5	486.42	167.76	0.43
Reach 2	708328	5 - Year	17349	1233.48	1250.3		1251.09	0.003383	8.44	2934.78	418.7	0.42
Reach 2	708328	10 - Year	33700	1233.48	1255.24		1256.03	0.00271	9.4	6687.8	1013.57	0.39
Reach 2	708328	50 - Year	64229	1233.48	1261.2		1261.74	0.001622	8.82	13889.88	1354.76	0.32
Reach 2	708328	100 - Year	75217	1233.48	1262.86		1263.39	0.001481	8.82	16208.15	1432.71	0.31
Reach 2	708328	500 - Year	114828	1233.48	1266.88		1267.49	0.001517	9.85	22379.13	1679.57	0.32
Reach 2	708095	2 - Year	2233	1233.68	1239.62		1240.23	0.014245	6.3	354.26	128.53	0.67
Reach 2	708095	5 - Year	17349	1233.68	1249.63		1250.32	0.002669	7.55	3148.67	436.54	0.37
Reach 2	708095	10 - Year	33700	1233.68	1254.63		1255.42	0.002261	8.67	6216.07	771.84	0.36
Reach 2	708095	50 - Year	64229	1233.68	1260.47		1261.28	0.001908	9.64	11426.83	1018.07	0.35
Reach 2	708095	100 - Year	75217	1233.68	1262.13		1262.95	0.001836	9.89	13161.78	1087.7	0.35
Reach 2	708095	500 - Year	114828	1233.68	1265.89		1266.99	0.002195	11.87	18041.58	1479.84	0.39
Reach 2	707753	2 - Year	2233	1229.46	1239.47		1239.54	0.000552	2.13	1101.27	208.17	0.15
Reach 2	707753	5 - Year	17349	1229.46	1249.3		1249.7	0.001037	5.5	4010.16	438.38	0.24
Reach 2	707753	10 - Year	33700	1229.46	1254.2		1254.82	0.001233	7.17	6842.01	749.53	0.28
Reach 2	707753	50 - Year	64229	1229.46	1259.96		1260.75	0.001325	8.75	11505.67	867.67	0.3
Reach 2	707753	100 - Year	75217	1229.46	1261.56		1262.43	0.001368	9.24	12937.97	916.31	0.31
Reach 2	707753	500 - Year	114828	1229.46	1264.99		1266.29	0.001906	11.77	17676.35	1538.33	0.37
Reach 2	707352	2 - Year	2233	1228.3	1239.21		1239.32	0.00056	2.58	892.76	127.38	0.16
Reach 2	707352	5 - Year	17349	1228.3	1248.29		1249.11	0.001954	7.9	3003.2	364.1	0.33
Reach 2	707352	10 - Year	33700	1228.3	1252.8		1254.07	0.002539	10.51	5166.3	618.04	0.4
Reach 2	707352	50 - Year	64229	1228.3	1258.66		1260	0.002393	11.96	9307.57	792.56	0.4
Reach 2	707352	100 - Year	75217	1228.3	1260.09		1261.63	0.002601	12.89	10503.2	1028.54	0.42
Reach 2	707352	500 - Year	114828	1228.3	1263.67		1265.35	0.002757	14.34	15670.77	1513.17	0.44
Reach 2	706900	2 - Year	2233	1228.16	1238.71		1238.89	0.001843	3.35	671.12	148.53	0.26
Reach 2	706900	5 - Year	17349	1228.16	1247.29		1248.09	0.002623	7.8	2930.73	395.52	0.37
Reach 2	706900	10 - Year	33700	1228.16	1251.65		1252.81	0.002957	9.98	5065.1	606.81	0.42
Reach 2	706900	50 - Year	64229	1228.16	1257.78		1258.87	0.002362	10.85	11779.08	1613.08	0.39
Reach 2	706900	100 - Year	75217	1228.16	1259.55		1260.44	0.001934	10.3	14767.85	1723.51	0.36
Reach 2	706900	500 - Year	114828	1228.16	1263.34		1264.14	0.001695	10.56	21535.17	1856.49	0.34
Reach 2	706428	2 - Year	2221	1228.28	1237.64		1237.86	0.002601	3.78	615.35	168.84	0.31
Reach 2	706428	5 - Year	17255	1228.28	1246.2		1246.85	0.002473	7.38	3191.94	403.21	0.36
Reach 2	706428	10 - Year	33398	1228.28	1250.45		1251.39	0.002818	9.49	5697.03	735.34	0.4
Reach 2	706428	50 - Year	63900	1228.28	1256.97		1257.78	0.001976	9.82	12058.91	1241.06	0.35
Reach 2	706428	100 - Year	74909	1228.28	1258.63		1259.51	0.002044	10.45	14482.66	1721.67	0.36
Reach 2	706428	500 - Year	114430	1228.28	1262.51		1263.32	0.001838	10.88	22069.68	2138.63	0.35
Reach 2	706126	2 - Year	2221	1228.65	1237.31		1237.39	0.000792	2.27	990.73	211.42	0.18
Reach 2	706126	5 - Year	17255	1228.65	1245.89		1246.21	0.001088	5.09	4505.02	546.77	0.24
Reach 2	706126	10 - Year	33398	1228.65	1250.11		1250.62	0.001315	6.69	7119.68	702.14	0.28
Reach 2	706126	50 - Year	63900	1228.65	1256.57		1257.23	0.001284	8.11	12806.84	1114.68	0.29
Reach 2	706126	100 - Year	74909	1228.65	1258.17		1258.96	0.001434	8.94	15080.23	1680.57	0.31
Reach 2	706126	500 - Year	114430	1228.65	1262		1262.83	0.001442	9.82	22148.65	2019.75	0.32
Reach 2	706048	2 - Year	2221	1234.07	1236.96	1235.94	1237.21	0.006677	3.98	558.02	230.92	0.45
Reach 2	706048	5 - Year	17255	1234.07	1245.55	1240.18	1246.05	0.002037	6.02	3646.72	646.18	0.32

Reach 2	706048	10 - Year	33398	1234.07	1249.93	1243.68	1250.49	0.00171	6.89	7135.22	966.12	0.31
Reach 2	706048	50 - Year	63900	1234.07	1256.57	1247.87	1257.06	0.001125	7.1	15420.59	1623.5	0.27
Reach 2	706048	100 - Year	74909	1234.07	1258.24	1248.53	1258.71	0.00103	7.13	18221.26	1735.72	0.26
Reach 2	706048	500 - Year	114430	1234.07	1262.05	1251.71	1262.6	0.001092	8.11	25284.73	2054.6	0.27
Reach 2	705986		Culvert									
Reach 2	705951	2 - Year	2221	1233.8	1236.54		1236.86	0.010016	4.55	489.04	224.97	0.54
Reach 2	705951	5 - Year	17255	1233.8	1244.69		1245	0.001616	5.15	4921.71	941.76	0.28
Reach 2	705951	10 - Year	33398	1233.8	1250.04		1250.27	0.00084	4.9	10634.31	1225.87	0.22
Reach 2	705951	50 - Year	63900	1233.8	1256.7		1256.93	0.000598	5.23	20572.81	1791.66	0.2
Reach 2	705951	100 - Year	74909	1233.8	1258.33		1258.57	0.00058	5.4	23583.81	1911.3	0.19
Reach 2	705951	500 - Year	114430	1233.8	1262.14		1262.44	0.000647	6.29	31480.04	2192.62	0.21
Reach 2	705863	2 - Year	2221	1228.25	1233.9	1233.9	1235.11	0.033934	8.83	251.4	103.71	1
Reach 2	705863	5 - Year	17255	1228.25	1244.05	1239.85	1244.71	0.002956	7.79	3132.31	406.87	0.39
Reach 2	705863	10 - Year	33398	1228.25	1249.17	1242.79	1249.98	0.002581	9.15	5687.46	605.38	0.38
Reach 2	705863	50 - Year	63900	1228.25	1255.74	1246.81	1256.64	0.002152	10.32	10830.71	1040.58	0.37
Reach 2	705863	100 - Year	74909	1228.25	1257.27	1248.42	1258.26	0.002297	11.1	12524.62	1487.48	0.39
Reach 2	705863	500 - Year	114430	1228.25	1260.93	1251.99	1262.09	0.002678	13.1	19306.52	2030.84	0.43
Reach 2	705479	2 - Year	2221	1220.57	1231.38	1226.25	1231.64	0.002281	4.07	546.36	81.23	0.28
Reach 2	705479	5 - Year	17255	1220.57	1242.12	1236.4	1243.37	0.003777	9.77	2396.6	326.01	0.42
Reach 2	705479	10 - Year	33398	1220.57	1247.37	1242.19	1248.76	0.003578	11.36	4687.17	540.56	0.42
Reach 2	705479	50 - Year	63900	1220.57	1254.26	1247.99	1255.63	0.003025	12.49	9696.11	1686.14	0.41
Reach 2	705479	100 - Year	74909	1220.57	1256.08	1249.25	1257.29	0.002652	12.17	11847.58	1871.19	0.38
Reach 2	705479	500 - Year	114430	1220.57	1260.53	1252	1261.15	0.001577	10.26	24288.54	2239.72	0.3
Reach 2	705061	2 - Year	2221	1218.28	1231.03	1223.65	1231.12	0.000583	2.39	930.57	112.74	0.15
Reach 2	705061	5 - Year	17255	1218.28	1241.27	1231.8	1242.04	0.001928	7.42	2931.56	544.16	0.3
Reach 2	705061	10 - Year	33398	1218.28	1246.34	1237.62	1247.45	0.002291	9.5	5052.1	707.45	0.35
Reach 2	705061	50 - Year	63900	1218.28	1253.23	1244.93	1254.52	0.002246	11.17	9089.69	946.4	0.36
Reach 2	705061	100 - Year	74909	1218.28	1254.71	1246.43	1256.17	0.00244	12.02	10174.54	1318.87	0.37
Reach 2	705061	500 - Year	114430	1218.28	1259.55	1250.71	1260.43	0.001614	10.74	20338.31	2092.29	0.31
Reach 2	704609	2 - Year	2221	1219.41	1230.57	1225.57	1230.71	0.001453	3	741.01	133.29	0.22
Reach 2	704609	5 - Year	17255	1219.41	1240.31	1233.22	1241.07	0.002394	7.45	2993.07	402.72	0.33
Reach 2	704609	10 - Year	33398	1219.41	1245.38	1238	1246.34	0.002402	9.01	5244.95	492.92	0.35
Reach 2	704609	50 - Year	63900	1219.41	1252.28	1243.7	1253.47	0.002308	10.72	9413.45	791.1	0.36
Reach 2	704609	100 - Year	74909	1219.41	1253.67	1245	1255.02	0.002529	11.59	10577.04	876.3	0.38
Reach 2	704609	500 - Year	114430	1219.41	1257.63	1248.58	1259.26	0.002884	13.49	16292.03	2219.41	0.41
Reach 2	703991	2 - Year	2264	1219.03	1229.62	1224.26	1229.76	0.00163	3.03	747.43	123.52	0.22
Reach 2	703991	5 - Year	17594	1219.03	1238.42	1232.44	1239.27	0.003617	7.74	2732.53	359.12	0.37
Reach 2	703991	10 - Year	33973	1219.03	1243.5	1236.92	1244.61	0.003457	9.35	4755.79	441.95	0.38
Reach 2	703991	50 - Year	65336	1219.03	1250.48	1242.13	1251.86	0.003181	11.09	9165.32	960.39	0.39
Reach 2	703991	100 - Year	76540	1219.03	1251.72	1243.54	1253.26	0.003455	11.93	10415.76	1051.72	0.41
Reach 2	703991	500 - Year	116383	1219.03	1255.01	1247.83	1257.07	0.004402	14.54	14389.55	1641.57	0.47
Reach 2	703580	2 - Year	2264	1216.67	1229.29	1221.9	1229.36	0.00055	2.03	1119.12	155.57	0.13
Reach 2	703580	5 - Year	17594	1216.67	1237.21	1229.39	1237.98	0.002678	7.21	2714.53	255.69	0.32
Reach 2	703580	10 - Year	33973	1216.67	1241.63	1233.85	1243.08	0.003818	10.18	4001.76	345.42	0.4
Reach 2	703580	50 - Year	65336	1216.67	1247.83	1240	1250.1	0.004626	13.43	7779.82	1239.69	0.46
Reach 2	703580	100 - Year	76540	1216.67	1249.41	1242.55	1251.55	0.004367	13.57	9855.25	1381	0.45
Reach 2	703580	500 - Year	116383	1216.67	1253.47	1250.36	1255.31	0.003851	13.96	15909.26	1859.54	0.44
Reach 2	703198	2 - Year	2264	1216.46	1228.62		1228.85	0.003269	3.89	588.08	157.35	0.34
Reach 2	703198	5 - Year	17594	1216.46	1236.38		1236.81	0.002126	6.38	4325.02	677.9	0.33
Reach 2	703198	10 - Year	33973	1216.46	1240.87		1241.35	0.001791	7.25	7758.87	863.92	0.32
Reach 2	703198	50 - Year	65336	1216.46	1247.3		1247.79	0.001427	8.08	16589.07	1844.83	0.3
Reach 2	703198	100 - Year	76540	1216.46	1248.86		1249.37	0.001448	8.5	19684.95	2165.38	0.3

Reach 2	703198	500 - Year	116383	1216.46	1253.03		1253.47	0.001152	8.43	28960.97	2283.68	0.28
Reach 2	702455	2 - Year	2264	1216.96	1225.58		1225.95	0.004565	4.93	458.87	101.64	0.41
Reach 2	702455	5 - Year	17594	1216.96	1234.64		1235.22	0.002633	7.21	3830.33	627.34	0.37
Reach 2	702455	10 - Year	33973	1216.96	1239.62		1240.18	0.001903	7.72	7402.32	803.77	0.33
Reach 2	702455	50 - Year	65336	1216.96	1246.19		1246.82	0.001651	8.94	15234.48	1684.33	0.32
Reach 2	702455	100 - Year	76540	1216.96	1247.84		1248.44	0.001543	9.03	18188.67	1870.16	0.32
Reach 2	702455	500 - Year	116383	1216.96	1252.13		1252.7	0.001361	9.42	27111.27	2222.26	0.31
Reach 2	701936	2 - Year	2264	1214.54	1223.9		1224.14	0.002573	3.94	574.5	116.13	0.31
Reach 2	701936	5 - Year	17594	1214.54	1232.58		1233.6	0.003588	8.48	2614.4	413.3	0.43
Reach 2	701936	10 - Year	33973	1214.54	1238.29		1239.14	0.002225	8.64	6153.07	720.85	0.36
Reach 2	701936	50 - Year	65336	1214.54	1245.14		1245.99	0.00174	9.48	12671.02	1460.58	0.34
Reach 2	701936	100 - Year	76540	1214.54	1246.81		1247.65	0.001676	9.72	15348.23	1738.65	0.33
Reach 2	701936	500 - Year	116383	1214.54	1251.29		1252.04	0.001431	9.97	24263.58	2213.93	0.32
Reach 2	701272	2 - Year	2264	1212.76	1220.93		1221.24	0.008886	4.41	513.88	223.56	0.51
Reach 2	701272	5 - Year	17594	1212.76	1231.5		1231.93	0.00137	5.38	3580.11	366.18	0.27
Reach 2	701272	10 - Year	33973	1212.76	1237.33		1237.96	0.001275	6.68	6074.46	492.15	0.27
Reach 2	701272	50 - Year	65336	1212.76	1243.98		1244.95	0.001422	8.67	11233.31	1306.11	0.31
Reach 2	701272	100 - Year	76540	1212.76	1245.62		1246.63	0.001424	9.04	13679.16	1583.2	0.31
Reach 2	701272	500 - Year	116383	1212.76	1250.13		1251.12	0.00133	9.7	21666.95	1946.3	0.31
Reach 2	700689	2 - Year	2264	1211.02	1219.52		1219.63	0.001217	2.68	844.27	175	0.22
Reach 2	700689	5 - Year	17594	1211.02	1230.74		1231.2	0.001113	5.67	3586.56	326.31	0.25
Reach 2	700689	10 - Year	33973	1211.02	1236.4		1237.17	0.001304	7.52	5732.85	434.64	0.29
Reach 2	700689	50 - Year	65336	1211.02	1242.7		1243.97	0.001661	10.07	9961.82	1247.36	0.34
Reach 2	700689	100 - Year	76540	1211.02	1244.35		1245.66	0.001663	10.47	12304.76	1555.72	0.34
Reach 2	700689	500 - Year	116383	1211.02	1249.09		1250.28	0.001504	11	20606.41	1963.91	0.33
Reach 2	700203	2 - Year	2264	1207.18	1218.6		1218.82	0.00218	3.77	600.17	113.08	0.29
Reach 2	700203	5 - Year	17594	1207.18	1229.98		1230.54	0.00159	6.7	3887.96	549.32	0.3
Reach 2	700203	10 - Year	33973	1207.18	1235.92		1236.45	0.001191	7.17	7582.65	711.15	0.27
Reach 2	700203	50 - Year	65336	1207.18	1242.36		1243.01	0.001164	8.41	13540.62	1272.61	0.28
Reach 2	700203	100 - Year	76540	1207.18	1244.02		1244.7	0.001168	8.76	15803.22	1446.98	0.28
Reach 2	700203	500 - Year	116383	1207.18	1248.73		1249.45	0.001154	9.59	24311.31	2032.09	0.29
Reach 2	699721	2 - Year	2264	1204.4	1217.27		1217.6	0.002816	4.6	492.45	80.63	0.33
Reach 2	699721	5 - Year	17594	1204.4	1229.04		1229.72	0.002089	7.22	3574.35	538.65	0.33
Reach 2	699721	10 - Year	33973	1204.4	1235.34		1235.94	0.001406	7.51	7192.01	603.76	0.29
Reach 2	699721	50 - Year	65336	1204.4	1241.69		1242.49	0.001478	9.18	12558.06	1104.84	0.31
Reach 2	699721	100 - Year	76540	1204.4	1243.31		1244.16	0.001518	9.66	14453.12	1240.65	0.32
Reach 2	699721	500 - Year	116383	1204.4	1247.91		1248.87	0.001574	10.85	21332.25	1710.31	0.33
Reach 2	699436	2 - Year	2264	1205.32	1216.98		1217.1	0.000829	2.77	850.97	150.98	0.19
Reach 2	699436	5 - Year	17594	1205.32	1228.64		1229.22	0.001262	6.65	3635.71	355.72	0.27
Reach 2	699436	10 - Year	33973	1205.32	1234.67		1235.49	0.001384	8.4	6412.41	622.31	0.3
Reach 2	699436	50 - Year	65336	1205.32	1240.75		1241.93	0.001722	10.87	11565.12	1088.11	0.35
Reach 2	699436	100 - Year	76540	1205.32	1242.18		1243.54	0.001913	11.81	13231.32	1294.03	0.37
Reach 2	699436	500 - Year	116383	1205.32	1247.01		1248.31	0.001797	12.57	19780.44	1426.47	0.37
Reach 2	699122	2 - Year	2264	1203.59	1216.76		1216.87	0.000607	2.71	881.21	138	0.16
Reach 2	699122	5 - Year	17594	1203.59	1228		1228.74	0.001528	7.53	3193.66	310.36	0.3
Reach 2	699122	10 - Year	33973	1203.59	1233.75		1234.89	0.00188	9.9	5755.57	648.65	0.35
Reach 2	699122	50 - Year	65336	1203.59	1239.84		1241.26	0.002156	12.22	11028.59	1029.9	0.38
Reach 2	699122	100 - Year	76540	1203.59	1241.46		1242.89	0.002152	12.63	12734.13	1077.76	0.39
Reach 2	699122	500 - Year	116383	1203.59	1246.14		1247.64	0.00218	13.88	18080.43	1208.95	0.4
Reach 2	698828	2 - Year	2264	1203.72	1216.61		1216.7	0.000534	2.34	990.11	152.57	0.15
Reach 2	698828	5 - Year	17594	1203.72	1227.7		1228.3	0.001225	6.53	3407.96	332.01	0.27
Reach 2	698828	10 - Year	33973	1203.72	1233.36		1234.35	0.001549	8.77	6039.73	645.11	0.31

Reach 2	698828	50 - Year	65336	1203.72	1239.17		1240.64	0.002029	11.58	10936.9	1187.94	0.37
Reach 2	698828	100 - Year	76540	1203.72	1240.66		1242.24	0.002135	12.28	12856.21	1401.34	0.39
Reach 2	698828	500 - Year	116383	1203.72	1245.64		1247.01	0.001861	12.64	20569.63	1677.65	0.37
Reach 2	698304	2 - Year	2264	1205.17	1216.3		1216.39	0.00064	2.42	974.43	177.71	0.16
Reach 2	698304	5 - Year	17594	1205.17	1227.14		1227.65	0.001148	6.15	3777.24	355.7	0.26
Reach 2	698304	10 - Year	33973	1205.17	1232.67		1233.52	0.001451	8.29	6510.43	676.13	0.3
Reach 2	698304	50 - Year	65336	1205.17	1238.36		1239.56	0.001787	10.66	11098.49	950.28	0.35
Reach 2	698304	100 - Year	76540	1205.17	1239.81		1241.11	0.001882	11.3	12516.77	1003.18	0.36
Reach 2	698304	500 - Year	116383	1205.17	1244.45		1245.97	0.002037	12.94	17688.53	1227.29	0.39
Reach 2	697900	2 - Year	2264	1204.54	1215.66		1215.89	0.003043	3.85	587.73	120.11	0.31
Reach 2	697900	5 - Year	17594	1204.54	1226.6		1227.08	0.001766	6.34	3734.14	398.21	0.28
Reach 2	697900	10 - Year	33973	1204.54	1232.08		1232.82	0.001986	8.23	6586.23	677.37	0.32
Reach 2	697900	50 - Year	65336	1204.54	1237.72		1238.71	0.002281	10.33	11594.63	1078.5	0.35
Reach 2	697900	100 - Year	76540	1204.54	1239.18		1240.21	0.002313	10.78	13228.5	1155.73	0.36
Reach 2	697900	500 - Year	116383	1204.54	1243.95		1245.01	0.002176	11.61	19303.4	1391.63	0.36
Reach 2	697375	2 - Year	2264	1203.1	1214.44		1214.63	0.001909	3.49	651.97	115.73	0.25
Reach 2	697375	5 - Year	17594	1203.1	1224.55		1225.75	0.003531	9.17	2570.07	470.01	0.4
Reach 2	697375	10 - Year	33973	1203.1	1230.27		1231.5	0.003015	10.37	5769.07	856.4	0.39
Reach 2	697375	50 - Year	65336	1203.1	1236.55		1237.52	0.002263	10.64	12311.6	1246.58	0.35
Reach 2	697375	100 - Year	76540	1203.1	1238.05		1239.01	0.002211	10.89	14245.22	1328.68	0.35
Reach 2	697375	500 - Year	116383	1203.1	1243		1243.9	0.001945	11.32	21632.17	1678.51	0.34
Reach 2	696880	2 - Year	2264	1201.72	1214.04		1214.13	0.000555	2.41	948.35	118.82	0.14
Reach 2	696880	5 - Year	17594	1201.72	1223.16		1224.2	0.002629	8.48	2514.51	273.31	0.35
Reach 2	696880	10 - Year	33973	1201.72	1229		1230.16	0.002447	9.89	5809.09	713.34	0.36
Reach 2	696880	50 - Year	65336	1201.72	1235.55		1236.5	0.001966	10.44	13458.37	1405.95	0.34
Reach 2	696880	100 - Year	76540	1201.72	1237.09		1238.02	0.001911	10.65	15699.48	1500.93	0.33
Reach 2	696880	500 - Year	116383	1201.72	1242.22		1243.03	0.001615	10.82	24091.25	1807.06	0.31
Reach 2	696345	2 - Year	2264	1202.72	1213.25	1209.19	1213.52	0.002641	4.18	547.32	253.21	0.3
Reach 2	696345	5 - Year	17594	1202.72	1222.56	1218.46	1222.86	0.001517	5.84	5015.31	561.86	0.26
Reach 2	696345	10 - Year	33973	1202.72	1228.21	1221.98	1228.77	0.002075	8.41	8622.82	1152.47	0.32
Reach 2	696345	50 - Year	65336	1202.72	1235.15	1222.73	1235.51	0.001202	7.73	18378.21	1592.2	0.26
Reach 2	696345	100 - Year	76540	1202.72	1236.71	1223.67	1237.07	0.001159	7.87	20902.84	1647.16	0.25
Reach 2	696345	500 - Year	116383	1202.72	1241.86	1226.51	1242.24	0.001064	8.39	30252.21	2034.43	0.25
Reach 2	695851	2 - Year	2252	1202	1212.52		1212.61	0.001147	2.46	1004.06	381.3	0.18
Reach 2	695851	5 - Year	17501	1202	1222.1		1222.28	0.000874	4.09	5924.34	596.68	0.18
Reach 2	695851	10 - Year	33416	1202	1227.78		1228.03	0.000842	4.94	9559.05	701.49	0.19
Reach 2	695851	50 - Year	65252	1202	1234.71		1235.01	0.000894	6.16	19339.59	1658.33	0.2
Reach 2	695851	100 - Year	76600	1202	1236.28		1236.59	0.00088	6.33	22011.75	1738.58	0.2
Reach 2	695851	500 - Year	115896	1202	1241.48		1241.8	0.00079	6.68	31589.38	2013.88	0.2
Reach 2	695255	2 - Year	2252	1200	1211.6		1211.76	0.001749	3.21	702.38	109.32	0.22
Reach 2	695255	5 - Year	17501	1200	1220.66		1221.32	0.002895	7.33	3160.87	326.48	0.33
Reach 2	695255	10 - Year	33416	1200	1225.99		1226.99	0.003204	9.42	5153.71	453.66	0.37
Reach 2	695255	50 - Year	65252	1200	1233.4		1234.16	0.002199	9.58	13763.4	1430.65	0.32
Reach 2	695255	100 - Year	76600	1200	1235.09		1235.79	0.002002	9.51	16237.99	1493.01	0.31
Reach 2	695255	500 - Year	115896	1200	1240.52		1241.13	0.001624	9.58	25115.47	1880.44	0.29
Reach 2	694564	2 - Year	2252	1202	1210.4		1210.52	0.001771	2.8	805.41	188.41	0.23
Reach 2	694564	5 - Year	17501	1202	1218.91		1219.54	0.002429	6.68	3045.95	308.07	0.33
Reach 2	694564	10 - Year	33416	1202	1223.99		1225.04	0.002701	8.78	4849.71	434.74	0.36
Reach 2	694564	50 - Year	65252	1202	1231.21		1232.5	0.002475	10.51	10480.54	1135.92	0.37
Reach 2	694564	100 - Year	76600	1202	1233.13		1234.31	0.002218	10.45	12680.83	1158.65	0.35
Reach 2	694564	500 - Year	115896	1202	1238.64		1239.84	0.001999	11.22	19824.54	1597.63	0.35
Reach 2	693908	2 - Year	2252	1198	1207.89		1208.22	0.009021	4.67	482.58	151.36	0.46

Reach 2	693908	5 - Year	17501	1198	1217.27		1217.79	0.002815	6.47	3403.29	364.12	0.32
Reach 2	693908	10 - Year	33416	1198	1222.37		1223.13	0.002747	8.03	5344.48	400.81	0.34
Reach 2	693908	50 - Year	65252	1198	1229.91		1230.75	0.002285	9.29	12446.93	1263.23	0.33
Reach 2	693908	100 - Year	76600	1198	1232.02		1232.76	0.001957	9.08	15175.1	1328.63	0.31
Reach 2	693908	500 - Year	115896	1198	1237.73		1238.44	0.001669	9.52	23564.38	1759.8	0.29
Reach 2	693424	2 - Year	2252	1196	1205.5		1205.78	0.003195	4.23	532.83	114.1	0.34
Reach 2	693424	5 - Year	17501	1196	1216.53		1216.89	0.0013	5.68	4796.3	647.82	0.27
Reach 2	693424	10 - Year	33416	1196	1221.88		1222.28	0.001079	6.4	8907.41	895.06	0.25
Reach 2	693424	50 - Year	65252	1196	1229.64		1230.04	0.000818	6.96	17566.72	1251.63	0.23
Reach 2	693424	100 - Year	76600	1196	1231.72		1232.13	0.000781	7.14	20239.93	1311.98	0.23
Reach 2	693424	500 - Year	115896	1196	1237.39		1237.86	0.000784	8.04	28246.8	1547.07	0.24
Reach 2	693047	2 - Year	2252	1196	1204.4		1204.65	0.002759	4.01	561.4	116.22	0.32
Reach 2	693047	5 - Year	17501	1196	1215.76		1216.34	0.001674	6.68	4020.63	670.92	0.3
Reach 2	693047	10 - Year	33416	1196	1221.42		1221.91	0.00117	6.9	8400.45	822.42	0.27
Reach 2	693047	50 - Year	65252	1196	1229.23		1229.74	0.000939	7.65	15485.33	1006.65	0.25
Reach 2	693047	100 - Year	76600	1196	1231.3		1231.84	0.000926	7.96	17622.01	1057.87	0.25
Reach 2	693047	500 - Year	115896	1196	1236.91		1237.56	0.000973	9.13	24119.88	1256.72	0.27
Reach 2	692720	2 - Year	2252	1194	1203.3		1203.62	0.003465	4.54	495.92	86.25	0.33
Reach 2	692720	5 - Year	17501	1194	1215.22		1215.75	0.002001	7.01	4226.9	600.8	0.3
Reach 2	692720	10 - Year	33416	1194	1221.04		1221.52	0.001478	7.34	7962.3	707.56	0.27
Reach 2	692720	50 - Year	65252	1194	1228.91		1229.43	0.001253	8.25	14426.46	934.14	0.26
Reach 2	692720	100 - Year	76600	1194	1230.99		1231.53	0.001234	8.55	16421.2	989.93	0.26
Reach 2	692720	500 - Year	115896	1194	1236.58		1237.24	0.00131	9.79	22527.01	1200.12	0.28
Reach 2	692225	2 - Year	2252	1192	1202.28		1202.45	0.001529	3.37	667.6	99.59	0.23
Reach 2	692225	5 - Year	17501	1192	1213.72		1214.6	0.002463	7.88	2990.79	507.01	0.34
Reach 2	692225	10 - Year	33416	1192	1219.94		1220.7	0.001766	8.24	6685.79	671.87	0.3
Reach 2	692225	50 - Year	65252	1192	1228.07		1228.79	0.001383	8.92	13369.92	955.07	0.28
Reach 2	692225	100 - Year	76600	1192	1230.2		1230.92	0.001318	9.1	15450.89	997.64	0.28
Reach 2	692225	500 - Year	115896	1192	1235.78		1236.6	0.001363	10.26	21630.47	1211.56	0.29
Reach 2	691979	2 - Year	2252	1191.68	1200.82		1201.58	0.011783	7.01	321.06	73.7	0.59
Reach 2	691979	5 - Year	17501	1191.68	1212.77		1213.83	0.003995	8.72	2403.96	299.13	0.42
Reach 2	691979	10 - Year	33416	1191.68	1218.93		1220.11	0.003086	9.86	5145.69	606.62	0.39
Reach 2	691979	50 - Year	65252	1191.68	1227.48		1228.4	0.001882	9.8	11691.29	895.37	0.33
Reach 2	691979	100 - Year	76600	1191.68	1229.65		1230.56	0.001769	9.97	13689.16	955.5	0.32
Reach 2	691979	500 - Year	115896	1191.68	1235.24		1236.24	0.001731	11.04	19612.5	1167.92	0.32
Reach 2	691608	2 - Year	2252	1186.75	1200.01		1200.19	0.001506	3.37	668.8	96.76	0.23
Reach 2	691608	5 - Year	17501	1186.75	1211.75		1212.63	0.002454	7.62	2492.65	218.07	0.33
Reach 2	691608	10 - Year	33416	1186.75	1217.62		1219.02	0.002763	9.94	4189.9	356.81	0.37
Reach 2	691608	50 - Year	65252	1186.75	1226.2		1227.63	0.002218	11.09	9604.25	775.68	0.35
Reach 2	691608	100 - Year	76600	1186.75	1228.38		1229.82	0.002143	11.41	11375.07	852.44	0.35
Reach 2	691608	500 - Year	115896	1186.75	1234.14		1235.55	0.001993	12.25	19302.18	1654.48	0.35
Reach 2	691005	2 - Year	2274	1185.95	1199.37		1199.5	0.000849	2.87	793.39	110.62	0.19
Reach 2	691005	5 - Year	17671	1185.95	1210.55		1211.37	0.001772	7.67	2873.07	262.61	0.32
Reach 2	691005	10 - Year	33570	1185.95	1216.23		1217.57	0.00215	10.13	4507.96	321.94	0.37
Reach 2	691005	50 - Year	66062	1185.95	1223.91		1226.05	0.00262	13.48	8038.86	585.61	0.42
Reach 2	691005	100 - Year	77563	1185.95	1225.77		1228.16	0.002795	14.47	9231.73	679.24	0.44
Reach 2	691005	500 - Year	116971	1185.95	1230.87		1233.76	0.003105	16.76	13327.27	938.76	0.48
Reach 2	690736	2 - Year	2274	1188.38	1199.18		1199.27	0.000658	2.45	936.84	153.11	0.17
Reach 2	690736	5 - Year	17671	1188.38	1210.2		1210.79	0.001252	6.45	3349.1	285.25	0.27
Reach 2	690736	10 - Year	33570	1188.38	1215.83		1216.81	0.001553	8.63	5095.59	334.95	0.31
Reach 2	690736	50 - Year	66062	1188.38	1223.35		1225.23	0.002161	12.26	8365.98	624.47	0.39
Reach 2	690736	100 - Year	77563	1188.38	1225.16		1227.32	0.002353	13.29	9671.85	783.05	0.41
Reach 2	690736	500 - Year	116971	1188.38	1230.22		1232.79	0.002581	15.32	14361.11	1076.63	0.44

Reach 2	690347	2 - Year	2274	1185.74	1198.72		1198.87	0.001695	3.27	843.95	212.81	0.24
Reach 2	690347	5 - Year	17671	1185.74	1209.72		1210.19	0.001622	6.44	3753.28	309.65	0.28
Reach 2	690347	10 - Year	33570	1185.74	1215.26		1216.05	0.002014	8.66	5690.39	406.42	0.32
Reach 2	690347	50 - Year	66062	1185.74	1222.78		1224.07	0.002458	11.59	9500.7	630.57	0.37
Reach 2	690347	100 - Year	77563	1185.74	1224.58		1226.04	0.00263	12.47	10700.62	705.66	0.39
Reach 2	690347	500 - Year	116971	1185.74	1229.54		1231.4	0.002999	14.67	14775.82	920.9	0.43
Reach 2	689965	2 - Year	2274	1187.28	1196.74		1197.48	0.010877	6.88	330.46	73.03	0.57
Reach 2	689965	5 - Year	17671	1187.28	1208.62		1209.34	0.002907	8.04	3227.11	374.51	0.36
Reach 2	689965	10 - Year	33570	1187.28	1214.34		1215.18	0.002503	9.22	5640.75	475.19	0.35
Reach 2	689965	50 - Year	66062	1187.28	1222.01		1223.06	0.002365	11.03	10347.97	745.31	0.36
Reach 2	689965	100 - Year	77563	1187.28	1223.82		1224.96	0.002448	11.69	11755.34	814.55	0.37
Reach 2	689965	500 - Year	116971	1187.28	1228.85		1230.17	0.002513	13.11	16190.58	952.79	0.39
Reach 2	689638	2 - Year	2274	1184.19	1195.56		1195.82	0.00254	4.11	559.8	100.1	0.29
Reach 2	689638	5 - Year	17671	1184.19	1207.69		1208.5	0.002357	8.17	3319.92	408.91	0.34
Reach 2	689638	10 - Year	33570	1184.19	1213.57		1214.46	0.00212	9.33	6171.65	561.21	0.33
Reach 2	689638	50 - Year	66062	1184.19	1221.44		1222.38	0.001876	10.59	12008.84	883.2	0.33
Reach 2	689638	100 - Year	77563	1184.19	1223.26		1224.24	0.001911	11.09	13679.52	945.68	0.34
Reach 2	689638	500 - Year	116971	1184.19	1228.27		1229.42	0.00207	12.65	18902.16	1149.65	0.36
Reach 2	689321	2 - Year	2274	1183.92	1195.15		1195.31	0.001009	3.25	711.37	105.61	0.21
Reach 2	689321	5 - Year	17671	1183.92	1206.7		1207.77	0.002161	8.82	2852.83	391.27	0.36
Reach 2	689321	10 - Year	33570	1183.92	1212.62		1213.78	0.002011	10.18	5816.69	586.39	0.36
Reach 2	689321	50 - Year	66062	1183.92	1220.61		1221.79	0.001766	11.48	11900.12	958.31	0.35
Reach 2	689321	100 - Year	77563	1183.92	1222.46		1223.65	0.001758	11.88	13724.19	1013.83	0.35
Reach 2	689321	500 - Year	116971	1183.92	1227.52		1228.81	0.0018	13.15	19235.02	1164.26	0.37
Reach 2	688950	2 - Year	2274	1183.65	1194.78		1194.95	0.000959	3.28	718.19	125.79	0.22
Reach 2	688950	5 - Year	17671	1183.65	1205.96		1207.02	0.001882	8.73	2785.01	342.16	0.36
Reach 2	688950	10 - Year	33570	1183.65	1211.75		1213.06	0.001884	10.52	5742.93	654.73	0.38
Reach 2	688950	50 - Year	66062	1183.65	1220.06		1221.21	0.001448	11.25	12741.65	1041.04	0.35
Reach 2	688950	100 - Year	77563	1183.65	1221.91		1223.07	0.001446	11.67	14727.7	1108.91	0.35
Reach 2	688950	500 - Year	116971	1183.65	1226.93		1228.22	0.001509	13.07	21014.11	1359.98	0.37
Reach 2	688528	2 - Year	2274	1184.29	1193.87		1194.22	0.003172	4.73	481.24	99.6	0.38
Reach 2	688528	5 - Year	17671	1184.29	1205.09		1206.15	0.002346	9	2677.54	268.03	0.4
Reach 2	688528	10 - Year	33570	1184.29	1210.94		1212.21	0.002158	10.64	5959.51	739.15	0.4
Reach 2	688528	50 - Year	66062	1184.29	1219.59		1220.54	0.001384	10.64	14343.55	1286.25	0.34
Reach 2	688528	100 - Year	77563	1184.29	1221.47		1222.4	0.00133	10.86	16854.35	1384.66	0.34
Reach 2	688528	500 - Year	116971	1184.29	1226.6		1227.48	0.001204	11.4	24367.6	1538.63	0.33
Reach 2	688110	2 - Year	2274	1177.98	1193.81		1193.86	0.000196	1.8	1309.5	164.86	0.1
Reach 2	688110	5 - Year	17671	1177.98	1204.99		1205.39	0.000627	5.44	4346.73	342.22	0.21
Reach 2	688110	10 - Year	33570	1177.98	1210.79		1211.44	0.000807	7.29	7911.36	774.18	0.25
Reach 2	688110	50 - Year	66062	1177.98	1219.39		1220.07	0.000735	8.4	16437.27	1279.71	0.25
Reach 2	688110	100 - Year	77563	1177.98	1221.25		1221.96	0.000745	8.75	18895.78	1352.1	0.25
Reach 2	688110	500 - Year	116971	1177.98	1226.35		1227.12	0.00078	9.77	26238.38	1518.47	0.27
Reach 2	687622	2 - Year	2274	1188	1193.44		1193.61	0.001713	3.37	708.46	176.7	0.28
Reach 2	687622	5 - Year	17671	1188	1204.26		1204.91	0.001404	6.86	3261.88	308.1	0.31
Reach 2	687622	10 - Year	33570	1188	1209.86		1210.86	0.001544	8.86	5544.6	493.76	0.34
Reach 2	687622	50 - Year	66062	1188	1218.2		1219.5	0.001467	10.79	10941.28	862.45	0.35
Reach 2	687622	100 - Year	77563	1188	1219.98		1221.38	0.001509	11.38	12526.01	914.62	0.36
Reach 2	687622	500 - Year	116971	1188	1224.67		1226.44	0.001741	13.42	17307.63	1146.9	0.4
Reach 2	687147	2 - Year	2266	1181.69	1192.72		1192.9	0.001293	3.41	684.64	122.54	0.23
Reach 2	687147	5 - Year	17603	1181.69	1202.85		1203.9	0.002607	8.93	2740.83	311.4	0.38
Reach 2	687147	10 - Year	33217	1181.69	1208.4		1209.8	0.002674	10.93	4630.08	376.94	0.41
Reach 2	687147	50 - Year	65836	1181.69	1217.12		1218.6	0.002224	12.4	10454.79	899.27	0.39

Reach 2	687147	100 - Year	77541	1181.69	1218.84		1220.43	0.002333	13.17	12067.43	980.75	0.4
Reach 2	687147	500 - Year	116809	1181.69	1223.69		1225.43	0.002425	14.72	17424.8	1222.68	0.42
Reach 2	686770	2 - Year	2266	1183.45	1192.07		1192.28	0.002164	3.68	639.31	150.46	0.29
Reach 2	686770	5 - Year	17603	1183.45	1202.3		1202.94	0.001925	7.27	3562.2	417.99	0.33
Reach 2	686770	10 - Year	33217	1183.45	1208.06		1208.82	0.001704	8.46	6512.46	600.62	0.33
Reach 2	686770	50 - Year	65836	1183.45	1216.95		1217.76	0.001349	9.52	13333.43	979.34	0.31
Reach 2	686770	100 - Year	77541	1183.45	1218.67		1219.55	0.001412	10.11	15072.3	1052.06	0.32
Reach 2	686770	500 - Year	116809	1183.45	1223.48		1224.52	0.001514	11.51	20508.97	1205.24	0.34
Reach 2	686169	2 - Year	2266	1180.5	1189.91		1190.33	0.004988	5.22	433.84	93.37	0.43
Reach 2	686169	5 - Year	17603	1180.5	1200.62		1201.58	0.003023	8.86	2942.55	368.07	0.4
Reach 2	686169	10 - Year	33217	1180.5	1206.84		1207.8	0.002246	9.63	5853.34	546.16	0.37
Reach 2	686169	50 - Year	65836	1180.5	1216.09		1217.03	0.001654	10.53	12673.83	979.58	0.34
Reach 2	686169	100 - Year	77541	1180.5	1217.83		1218.82	0.001681	11.01	14427.74	1034.93	0.34
Reach 2	686169	500 - Year	116809	1180.5	1222.6		1223.76	0.001809	12.53	19710.58	1214.53	0.36
Reach 2	685762	2 - Year	2266	1179.98	1188.68		1188.9	0.002311	3.75	604.26	119.84	0.29
Reach 2	685762	5 - Year	17603	1179.98	1199.65		1200.54	0.002297	7.88	2658.89	255.79	0.35
Reach 2	685762	10 - Year	33217	1179.98	1205.54		1206.84	0.002362	9.91	4651.45	425.83	0.38
Reach 2	685762	50 - Year	65836	1179.98	1214.99		1216.32	0.001785	11	10941.52	943.87	0.35
Reach 2	685762	100 - Year	77541	1179.98	1216.74		1218.11	0.001798	11.45	12632.34	979.09	0.35
Reach 2	685762	500 - Year	116809	1179.98	1221.47		1223.02	0.00192	12.96	17517.07	1104.75	0.37
Reach 2	685415	2 - Year	2266	1178.55	1188.1		1188.26	0.001365	3.16	716.2	125.9	0.23
Reach 2	685415	5 - Year	17603	1178.55	1198.95		1199.77	0.001926	7.63	2837.98	263.82	0.33
Reach 2	685415	10 - Year	33217	1178.55	1204.75		1206.05	0.002183	9.92	4523.77	345.36	0.37
Reach 2	685415	50 - Year	65836	1178.55	1213.59		1215.46	0.002254	12.58	9394.27	912.31	0.4
Reach 2	685415	100 - Year	77541	1178.55	1215.32		1217.24	0.002284	13.12	11022.36	965.03	0.4
Reach 2	685415	500 - Year	116809	1178.55	1220.03		1222.12	0.002393	14.68	15892.03	1122.98	0.42
Reach 2	685122	2 - Year	2266	1178.16	1187.52		1187.74	0.002202	3.79	597.13	113.57	0.29
Reach 2	685122	5 - Year	17603	1178.16	1198.38		1199.17	0.002091	7.71	2915.76	266.59	0.34
Reach 2	685122	10 - Year	33217	1178.16	1204.16		1205.35	0.002228	9.79	4661.66	335.69	0.37
Reach 2	685122	50 - Year	65836	1178.16	1212.89		1214.77	0.00245	12.87	9275.32	849.45	0.41
Reach 2	685122	100 - Year	77541	1178.16	1214.47		1216.49	0.002577	13.66	10680.5	929.49	0.43
Reach 2	685122	500 - Year	116809	1178.16	1219.04		1221.31	0.002754	15.44	15496.87	1166.7	0.45
Reach 2	684871	2 - Year	2266	1178.3	1186.97		1187.14	0.002278	3.33	680.33	166.29	0.29
Reach 2	684871	5 - Year	17603	1178.3	1197.98		1198.53	0.001461	6.28	3465.44	339.51	0.28
Reach 2	684871	10 - Year	33217	1178.3	1203.77		1204.57	0.001507	7.9	5778.61	470.54	0.3
Reach 2	684871	50 - Year	65836	1178.3	1212.62		1213.58	0.001307	9.3	12109.07	944.53	0.3
Reach 2	684871	100 - Year	77541	1178.3	1214.16		1215.26	0.00144	10.1	13661.95	1052.39	0.32
Reach 2	684871	500 - Year	116809	1178.3	1218.68		1220.03	0.001643	11.79	18908.33	1280.81	0.35
Reach 2	684406	2 - Year	2266	1176.45	1186.3		1186.4	0.001073	2.58	957.24	265.57	0.19
Reach 2	684406	5 - Year	17603	1176.45	1197.65		1197.89	0.000805	4.63	5529.06	539.96	0.2
Reach 2	684406	10 - Year	33217	1176.45	1203.49		1203.84	0.000854	5.8	9203.82	753.3	0.21
Reach 2	684406	50 - Year	65836	1176.45	1212.5		1212.86	0.000691	6.51	19345.67	1384.18	0.2
Reach 2	684406	100 - Year	77541	1176.45	1214.07		1214.46	0.000731	6.91	21556.02	1439.29	0.21
Reach 2	684406	500 - Year	116809	1176.45	1218.59		1219.08	0.000849	8.11	28756.82	1716.84	0.23
Reach 2	683839	2 - Year	2266	1172.86	1185.91		1186.01	0.000475	2.59	889.82	120.72	0.16
Reach 2	683839	5 - Year	17603	1172.86	1196.06		1197.06	0.001681	8.32	2616.27	256.15	0.34
Reach 2	683839	10 - Year	33217	1172.86	1201.04		1202.74	0.00226	11.31	4096.41	347.28	0.41
Reach 2	683839	50 - Year	65836	1172.86	1209.98		1211.85	0.001972	13.12	10470.37	1320.05	0.41
Reach 2	683839	100 - Year	77541	1172.86	1211.64		1213.46	0.001944	13.46	12751.99	1414.57	0.41
Reach 2	683839	500 - Year	116809	1172.86	1216.7		1218.2	0.001654	13.63	20459.81	1651.01	0.38
Reach 2	683539	2 - Year	2276	1176.69	1185.39		1185.65	0.002584	4.1	565.17	140.13	0.34
Reach 2	683539	5 - Year	17683	1176.69	1195.58		1196.33	0.00189	7.71	3132.19	338.69	0.35

Reach 2	683539	10 - Year	33217	1176.69	1200.51		1201.62	0.002044	9.72	4954.36	406.08	0.39
Reach 2	683539	50 - Year	66201	1176.69	1209.52		1210.89	0.001783	11.68	12867.19	1964.16	0.38
Reach 2	683539	100 - Year	78092	1176.69	1211.21		1212.48	0.001675	11.76	16983.76	2697.4	0.38
Reach 2	683539	500 - Year	117435	1176.69	1216.52		1217.13	0.000931	9.76	31878.27	2903.47	0.29
Reach 2	683147	2 - Year	2276	1171.48	1185.04		1185.15	0.000594	2.62	879	138.16	0.17
Reach 2	683147	5 - Year	17683	1171.48	1194.93		1195.69	0.001504	7.45	3011.5	287.11	0.32
Reach 2	683147	10 - Year	33217	1171.48	1199.46		1200.79	0.002051	10.18	4440.65	343.95	0.39
Reach 2	683147	50 - Year	66201	1171.48	1207.69		1209.87	0.002392	13.63	9574.71	1471.55	0.44
Reach 2	683147	100 - Year	78092	1171.48	1209.6		1211.56	0.002183	13.58	12710.9	2033.4	0.42
Reach 2	683147	500 - Year	117435	1171.48	1215.89		1216.7	0.001056	10.65	27786.47	2526	0.3
Reach 2	682795	2 - Year	2276	1169.15	1184.83		1184.94	0.000631	2.72	964.04	174.56	0.18
Reach 2	682795	5 - Year	17683	1169.15	1194.48		1195.13	0.001493	7.33	3469.37	353.88	0.31
Reach 2	682795	10 - Year	33217	1169.15	1198.96		1199.98	0.001887	9.63	5159.58	402.26	0.37
Reach 2	682795	50 - Year	66201	1169.15	1206.99		1208.92	0.002523	13.76	11448.27	1940.73	0.45
Reach 2	682795	100 - Year	78092	1169.15	1209.31		1210.55	0.001771	12.13	16037.77	2023.35	0.38
Reach 2	682795	500 - Year	117435	1169.15	1215.69		1216.26	0.000884	9.68	29699	2260.62	0.28
Reach 2	682199	2 - Year	2276	1170.93	1183.64		1184.07	0.004361	5.22	436.11	70.57	0.37
Reach 2	682199	5 - Year	17683	1170.93	1192.69		1193.63	0.004857	9.4	3178.73	551.69	0.45
Reach 2	682199	10 - Year	33217	1170.93	1197.79		1198.52	0.002958	9.06	6034.56	566.61	0.37
Reach 2	682199	50 - Year	66201	1170.93	1206.36		1207.07	0.001893	9.3	11798.92	1124.31	0.31
Reach 2	682199	100 - Year	78092	1170.93	1208.61		1209.3	0.001705	9.31	14378.45	1161.72	0.3
Reach 2	682199	500 - Year	117435	1170.93	1215.04		1215.67	0.001348	9.43	22526.33	1405	0.28
Reach 2	681889	2 - Year	2276	1172.19	1182.4		1182.75	0.003916	4.81	482.86	138.22	0.38
Reach 2	681889	5 - Year	17683	1172.19	1191.5		1192.41	0.003493	8.79	3069.75	438.17	0.43
Reach 2	681889	10 - Year	33217	1172.19	1196.93		1197.74	0.002377	9.11	6105.79	575.1	0.37
Reach 2	681889	50 - Year	66201	1172.19	1205.89		1206.61	0.001445	9.23	13004.53	1204.66	0.31
Reach 2	681889	100 - Year	78092	1172.19	1208.21		1208.88	0.00128	9.16	15818.03	1221.48	0.29
Reach 2	681889	500 - Year	117435	1172.19	1214.73		1215.33	0.000986	9.17	24020.75	1305.52	0.27
Reach 2	681424	2 - Year	2276	1169.94	1181.15		1181.33	0.002229	3.52	760.78	240.36	0.28
Reach 2	681424	5 - Year	17683	1169.94	1190.73		1191.16	0.00161	6.14	3961.9	383.67	0.29
Reach 2	681424	10 - Year	33217	1169.94	1196.19		1196.81	0.001579	7.58	6131.69	418.86	0.3
Reach 2	681424	50 - Year	66201	1169.94	1205		1205.91	0.001523	9.55	12000.99	1379.05	0.32
Reach 2	681424	100 - Year	78092	1169.94	1207.43		1208.27	0.00136	9.54	15441.92	1445.08	0.3
Reach 2	681424	500 - Year	117435	1169.94	1214.31		1214.92	0.000929	9.02	25823.01	1589.95	0.26
Reach 2	681008	2 - Year	2276	1171.77	1180.3		1180.43	0.001951	2.91	781.24	202.58	0.26
Reach 2	681008	5 - Year	17683	1171.77	1189.9		1190.44	0.001631	6.1	3428.28	456.55	0.29
Reach 2	681008	10 - Year	33217	1171.77	1195.53		1196.18	0.001372	7.06	6188.82	512.5	0.28
Reach 2	681008	50 - Year	66201	1171.77	1204.43		1205.32	0.001239	8.66	12517.48	1419.04	0.29
Reach 2	681008	100 - Year	78092	1171.77	1206.98		1207.76	0.001055	8.47	16197.21	1471.2	0.27
Reach 2	681008	500 - Year	117435	1171.77	1214.02		1214.6	0.000722	8.04	27126.18	1641.23	0.23
Reach 2	680583	2 - Year	2276	1169.33	1178.7		1179.02	0.006218	4.51	504.96	142.14	0.42
Reach 2	680583	5 - Year	17683	1169.33	1188.71		1189.47	0.002943	7.32	2956.72	398.98	0.36
Reach 2	680583	10 - Year	33217	1169.33	1194.59		1195.41	0.002187	8.11	5555.75	494.87	0.33
Reach 2	680583	50 - Year	66201	1169.33	1203.93		1204.71	0.001443	8.63	12965.08	1309.76	0.29
Reach 2	680583	100 - Year	78092	1169.33	1206.58		1207.24	0.001188	8.31	16489.45	1353.09	0.26
Reach 2	680583	500 - Year	117435	1169.33	1213.74		1214.27	0.000826	7.97	26665.73	1524.04	0.23
Reach 2	679955	2 - Year	2276	1166.46	1175.09		1175.5	0.005008	5.08	448.11	88.48	0.4
Reach 2	679955	5 - Year	17683	1166.46	1186.91		1187.73	0.00275	7.58	2834.97	343.89	0.35
Reach 2	679955	10 - Year	33217	1166.46	1193.3		1194.19	0.00208	8.42	5519.89	482.09	0.33
Reach 2	679955	50 - Year	66201	1166.46	1202.97		1203.9	0.001494	9.21	10664.61	566.1	0.29
Reach 2	679955	100 - Year	78092	1166.46	1205.43		1206.43	0.001503	9.73	12140.76	623.44	0.3
Reach 2	679955	500 - Year	117435	1166.46	1212.23		1213.46	0.001523	11.1	16728.07	741.36	0.31

Reach 2	679601	2 - Year	2276	1165.83	1174.37	1169.54	1174.52	0.001419	3.07	742.36	122.45	0.22
Reach 2	679601	5 - Year	17683	1165.83	1186.08	1177.1	1186.89	0.002071	7.35	2693.08	235.5	0.31
Reach 2	679601	10 - Year	33217	1165.83	1192.04	1181.59	1193.31	0.002336	9.53	4389.43	338.83	0.35
Reach 2	679601	50 - Year	66201	1165.83	1201.51	1189.07	1203.09	0.0021	11.37	8261.89	459.19	0.35
Reach 2	679601	100 - Year	78092	1165.83	1203.92	1191.37	1205.62	0.002111	11.95	9428.55	503.92	0.36
Reach 2	679601	500 - Year	117435	1165.83	1210.59	1197.47	1212.61	0.002137	13.51	13104.13	820.78	0.37
Reach 2	679135	2 - Year	2276	1162.53	1172.99	1169.99	1173.34	0.004805	4.76	477.85	99.27	0.38
Reach 2	679135	5 - Year	17683	1162.53	1185.11	1178.31	1185.81	0.002396	7.31	3104.19	316.87	0.33
Reach 2	679135	10 - Year	33217	1162.53	1191.18	1182.72	1192.09	0.002177	8.7	5226.82	380.5	0.33
Reach 2	679135	50 - Year	66201	1162.53	1200.73	1187.8	1201.99	0.002022	10.71	9436.39	549.58	0.34
Reach 2	679135	100 - Year	78092	1162.53	1203.17	1189.53	1204.5	0.001991	11.18	10812.04	578.16	0.34
Reach 2	679135	500 - Year	117435	1162.53	1209.73	1193.96	1211.49	0.002236	13.34	15989.4	979.9	0.37
Reach 2	678676	2 - Year	2276	1161.37	1172.85		1172.92	0.000288	2.11	1077.03	142.9	0.14
Reach 2	678676	5 - Year	17683	1161.37	1184.72		1185.24	0.000655	5.88	3431.05	262.1	0.24
Reach 2	678676	10 - Year	33217	1161.37	1190.59		1191.51	0.000851	8.02	5126.17	314.45	0.28
Reach 2	678676	50 - Year	66201	1161.37	1199.55		1201.28	0.001109	11.25	8794.47	658.82	0.34
Reach 2	678676	100 - Year	78092	1161.37	1201.97		1203.79	0.00111	11.79	10429.51	688.42	0.35
Reach 2	678676	500 - Year	117435	1161.37	1208.75		1210.77	0.001098	13.15	15584.09	860.53	0.35
Reach 2	678369	2 - Year	2276	1162.44	1172.58		1172.73	0.001086	3.19	713.92	143.42	0.25
Reach 2	678369	5 - Year	17683	1162.44	1184.18		1184.92	0.001107	7.09	2937.4	243.46	0.31
Reach 2	678369	10 - Year	33217	1162.44	1189.8		1191.07	0.001359	9.53	4489.08	312.46	0.36
Reach 2	678369	50 - Year	66201	1162.44	1199.02		1200.86	0.001382	12.09	9111.18	683.35	0.38
Reach 2	678369	100 - Year	78092	1162.44	1201.5		1203.39	0.001342	12.54	10867.52	741.4	0.38
Reach 2	678369	500 - Year	117435	1162.44	1208.34		1210.4	0.001282	13.84	17018.36	1061.91	0.38
Reach 2	678025	2 - Year	2276	1162.33	1172.1		1172.28	0.001586	3.38	673.19	119.26	0.25
Reach 2	678025	5 - Year	17683	1162.33	1183.59		1184.41	0.001888	7.69	3096.76	363.27	0.33
Reach 2	678025	10 - Year	33217	1162.33	1189.38		1190.43	0.001882	9.32	5462.11	463.01	0.34
Reach 2	678025	50 - Year	66201	1162.33	1198.93		1200.01	0.001467	10.37	11206.72	688.65	0.32
Reach 2	678025	100 - Year	78092	1162.33	1201.41		1202.55	0.001455	10.85	12979.29	748.31	0.32
Reach 2	678025	500 - Year	117435	1162.33	1208.31		1209.55	0.001381	11.91	18775.51	910.13	0.32
Reach 2	677684	2 - Year	2276	1161.17	1171.43		1171.66	0.002001	3.86	590.14	101.74	0.28
Reach 2	677684	5 - Year	17683	1161.17	1182.07		1183.44	0.003234	9.76	2280.46	289.41	0.42
Reach 2	677684	10 - Year	33217	1161.17	1187.82		1189.52	0.003072	11.62	4357.58	413.93	0.44
Reach 2	677684	50 - Year	66201	1161.17	1197.81		1199.39	0.002134	12.41	9346.88	571.05	0.39
Reach 2	677684	100 - Year	78092	1161.17	1200.28		1201.94	0.002105	12.95	10801.82	611.96	0.39
Reach 2	677684	500 - Year	117435	1161.17	1207.02		1208.93	0.002099	14.56	15587.21	785.7	0.4
Reach 2	677416	2 - Year	2276	1159.04	1171.08		1171.23	0.001093	3.14	730.38	118.84	0.21
Reach 2	677416	5 - Year	17683	1159.04	1181.5		1182.55	0.002355	8.6	2519.92	222.86	0.37
Reach 2	677416	10 - Year	33217	1159.04	1187.07		1188.74	0.002787	11.28	4039.01	324.04	0.42
Reach 2	677416	50 - Year	66201	1159.04	1196.47		1198.62	0.002554	13.6	7733.42	475.02	0.42
Reach 2	677416	100 - Year	78092	1159.04	1198.75		1201.12	0.002652	14.51	8887.24	535.71	0.44
Reach 2	677416	500 - Year	117435	1159.04	1205.46		1208.11	0.002583	16.12	12814.28	623.91	0.44
Reach 2	677125	2 - Year	2276	1157.97	1170.88		1170.99	0.000601	2.65	883.04	126.29	0.16
Reach 2	677125	5 - Year	17683	1157.97	1180.92		1181.89	0.002039	8.33	2737.25	265.92	0.34
Reach 2	677125	10 - Year	33217	1157.97	1186.45		1187.94	0.002406	10.8	4372.03	319.88	0.39
Reach 2	677125	50 - Year	66201	1157.97	1195.77		1197.89	0.002447	13.58	7789.31	438.98	0.42
Reach 2	677125	100 - Year	78092	1157.97	1198.03		1200.35	0.002532	14.43	8808.74	460.06	0.43
Reach 2	677125	500 - Year	117435	1157.97	1204.45		1207.33	0.002706	16.68	11936.26	514.99	0.45
Reach 2	676807	2 - Year	2276	1158.07	1170.66		1170.78	0.000729	2.83	830.01	124.07	0.18
Reach 2	676807	5 - Year	17683	1158.07	1180.1		1181.17	0.002446	8.79	2644.56	279.94	0.37
Reach 2	676807	10 - Year	33217	1158.07	1185.56		1187.12	0.002722	11.14	4298.78	325.82	0.41
Reach 2	676807	50 - Year	66201	1158.07	1195.06		1197.06	0.002485	13.45	7800.24	416.64	0.42
Reach 2	676807	100 - Year	78092	1158.07	1197.29		1199.5	0.002575	14.31	8748.29	430.78	0.43

Reach 2	676807	500 - Year	117435	1158.07	1203.46		1206.42	0.00292	17.01	11633.07	522.43	0.47
Reach 2	676303	2 - Year	2276	1159.66	1169.79		1170.03	0.003425	3.93	579.42	145.31	0.35
Reach 2	676303	5 - Year	17683	1159.66	1178.85		1179.68	0.002837	7.85	2976.91	386.87	0.38
Reach 2	676303	10 - Year	33217	1159.66	1184.53		1185.42	0.002147	8.7	5754.26	551.39	0.35
Reach 2	676303	50 - Year	66201	1159.66	1194.48		1195.28	0.001275	8.91	12015.28	693.49	0.29
Reach 2	676303	100 - Year	78092	1159.66	1196.73		1197.6	0.001293	9.44	13615.29	733.65	0.3
Reach 2	676303	500 - Year	117435	1159.66	1202.94		1204.02	0.001342	10.87	18541.69	849.14	0.31
Reach 2	675915	2 - Year	2276	1159.74	1168.12		1168.44	0.004859	4.53	504.54	153.79	0.41
Reach 2	675915	5 - Year	17683	1159.74	1178.05		1178.71	0.00232	7.37	3757.12	580.14	0.35
Reach 2	675915	10 - Year	33217	1159.74	1184.21		1184.7	0.001322	7.12	8090.12	767.32	0.28
Reach 2	675915	50 - Year	66201	1159.74	1194.41		1194.81	0.000735	6.99	16569.35	914.08	0.22
Reach 2	675915	100 - Year	78092	1159.74	1196.67		1197.11	0.00075	7.41	18717.06	990.7	0.23
Reach 2	675915	500 - Year	117435	1159.74	1202.93		1203.48	0.000783	8.53	25499.16	1183.76	0.24
Reach 2	675492	2 - Year	2276	1156.18	1165.7		1166.06	0.006528	4.79	474.81	140.23	0.46
Reach 2	675492	5 - Year	17683	1156.18	1177.41		1177.95	0.001668	6.52	4018.65	572.06	0.3
Reach 2	675492	10 - Year	33217	1156.18	1183.89		1184.33	0.001027	6.5	8584.56	771.99	0.25
Reach 2	675492	50 - Year	66201	1156.18	1194.24		1194.63	0.000634	6.65	17074.9	899.97	0.21
Reach 2	675492	100 - Year	78092	1156.18	1196.49		1196.93	0.000662	7.11	19193.85	966.68	0.21
Reach 2	675492	500 - Year	117435	1156.18	1202.75		1203.29	0.000698	8.17	25610.4	1086	0.23
Reach 2	674942	2 - Year	2276	1146.66	1165.77		1165.79	0.000056	1.17	1957.36	159.62	0.06
Reach 2	674942	5 - Year	17683	1146.66	1177.14		1177.47	0.000385	4.68	4134.14	230.94	0.17
Reach 2	674942	10 - Year	33217	1146.66	1183.15		1183.84	0.000612	6.84	5922.08	365.99	0.22
Reach 2	674942	50 - Year	66201	1146.66	1192.86		1194.03	0.000783	9.33	10423.41	556.47	0.26
Reach 2	674942	100 - Year	78092	1146.66	1194.85		1196.24	0.000892	10.28	11573.93	617.23	0.28
Reach 2	674942	500 - Year	117435	1146.66	1200.34		1202.38	0.001177	12.82	15594.38	829.98	0.33
Reach 2	674563	2 - Year	2276	1159.1	1165.49		1165.68	0.001802	3.45	669.99	160.59	0.29
Reach 2	674563	5 - Year	17683	1159.1	1176.27		1177.06	0.001639	7.4	2759.14	223.66	0.33
Reach 2	674563	10 - Year	33217	1159.1	1181.87		1183.25	0.001926	9.88	4114.64	266.89	0.38
Reach 2	674563	50 - Year	66201	1159.1	1190.67		1193.16	0.002251	13.5	7326.31	705.47	0.44
Reach 2	674563	100 - Year	78092	1159.1	1192.75		1195.37	0.002259	14.15	8825.5	732.17	0.44
Reach 2	674563	500 - Year	117435	1159.1	1198.63		1201.53	0.002248	15.8	13412.64	848.42	0.45
Reach 2	674193	2 - Year	2276	1156.01	1164.92		1165.08	0.001393	3.23	727.37	177.72	0.25
Reach 2	674193	5 - Year	17683	1156.01	1175.75		1176.39	0.001357	6.86	3297.47	287.95	0.3
Reach 2	674193	10 - Year	33217	1156.01	1181.29		1182.36	0.001594	9.08	5076.53	367.68	0.35
Reach 2	674193	50 - Year	66201	1156.01	1190.22		1191.61	0.001491	11.07	10337.48	697.76	0.35
Reach 2	674193	100 - Year	78092	1156.01	1192.29		1193.79	0.001526	11.71	11826.04	739.77	0.36
Reach 2	674193	500 - Year	117435	1156.01	1198.16		1199.92	0.001574	13.29	16740.52	912.92	0.38
Reach 2	673636	2 - Year	2276	1151.34	1164.56		1164.66	0.000415	2.64	882.64	126.53	0.17
Reach 2	673636	5 - Year	17683	1151.34	1174.41		1175.48	0.001485	8.55	2693.7	333.53	0.36
Reach 2	673636	10 - Year	33217	1151.34	1179.79		1181.32	0.001694	10.89	4680.82	402.14	0.4
Reach 2	673636	50 - Year	66201	1151.34	1188.67		1190.62	0.001616	13.2	8631.71	489.91	0.41
Reach 2	673636	100 - Year	78092	1151.34	1190.34		1192.66	0.001827	14.53	9471.65	522.9	0.44
Reach 2	673636	500 - Year	117435	1151.34	1194.6		1198.29	0.002582	18.69	12120.96	689.9	0.53
Reach 2	673205	2 - Year	2276	1153.34	1164.39		1164.49	0.000395	2.51	928.81	142.07	0.16
Reach 2	673205	5 - Year	17683	1153.34	1173.9		1174.79	0.001327	7.92	2852.23	267.54	0.34
Reach 2	673205	10 - Year	33217	1153.34	1179.08		1180.59	0.001681	10.63	4410.17	333.52	0.4
Reach 2	673205	50 - Year	66201	1153.34	1186.95		1189.62	0.002128	14.63	7795.32	675.73	0.47
Reach 2	673205	100 - Year	78092	1153.34	1188.84		1191.67	0.002179	15.42	9093.09	695.93	0.48
Reach 2	673205	500 - Year	117435	1153.34	1193.68		1197.09	0.002422	17.85	12575.67	743.79	0.52
Reach 2	672738	2 - Year	2276	1160	1163.76		1164.01	0.004074	4.08	605.41	227.23	0.4
Reach 2	672738	5 - Year	17683	1160	1173.33		1173.95	0.001786	6.84	3307.12	341.6	0.34
Reach 2	672738	10 - Year	33217	1160	1178.57		1179.52	0.001794	8.63	5248.96	407.78	0.36

Reach 2	672738	50 - Year	66201	1160	1186.78		1188.1	0.001644	10.62	9810.1	623.31	0.37
Reach 2	672738	100 - Year	78092	1160	1188.66		1190.12	0.001713	11.35	10993.99	643.83	0.38
Reach 2	672738	500 - Year	117435	1160	1193.37		1195.43	0.002056	13.79	14242.42	736.41	0.42
Reach 2	672299	2 - Year	2276	1154	1161.81		1162.14	0.004398	4.63	491.64	100.64	0.37
Reach 2	672299	5 - Year	17683	1154	1172.65		1173.15	0.002038	6.74	3937.43	441.46	0.3
Reach 2	672299	10 - Year	33217	1154	1178.11		1178.71	0.001802	7.77	6466.23	482.32	0.3
Reach 2	672299	50 - Year	66201	1154	1186.46		1187.3	0.001759	9.61	10922.09	596.81	0.31
Reach 2	672299	100 - Year	78092	1154	1188.32		1189.28	0.001876	10.35	12056.25	620.08	0.33
Reach 2	672299	500 - Year	117435	1154	1193		1194.39	0.002343	12.7	15129.66	693.38	0.37
Reach 2	671993	2 - Year	2276	1152	1160.52		1160.86	0.004039	4.64	490.41	93.77	0.36
Reach 2	671993	5 - Year	17683	1152	1171.03		1172.21	0.004143	9.27	2505.91	343.5	0.43
Reach 2	671993	10 - Year	33217	1152	1176.6		1177.9	0.003424	10.46	4705.74	446.96	0.41
Reach 2	671993	50 - Year	66201	1152	1185.08		1186.56	0.002864	12.1	9405.75	722.57	0.4
Reach 2	671993	100 - Year	78092	1152	1186.96		1188.52	0.00288	12.66	10833.3	780.03	0.4
Reach 2	671993	500 - Year	117435	1152	1191.76		1193.54	0.00298	14.2	14766.52	862.74	0.42
Reach 2	671731	2 - Year	2276	1150	1160.06		1160.22	0.001287	3.26	697.68	109.14	0.23
Reach 2	671731	5 - Year	17683	1150	1170.3		1171.3	0.002536	8.35	2690.8	354.21	0.37
Reach 2	671731	10 - Year	33217	1150	1175.93		1177.14	0.002337	9.83	5032.98	470.56	0.37
Reach 2	671731	50 - Year	66201	1150	1184.53		1185.91	0.002018	11.44	10253.91	772.21	0.37
Reach 2	671731	100 - Year	78092	1150	1186.38		1187.88	0.002111	12.17	11768.41	868.67	0.38
Reach 2	671731	500 - Year	117435	1150	1191.16		1192.88	0.00224	13.76	16295.98	1013.42	0.4
Reach 2	671343	2 - Year	2276	1150	1158.58		1159.07	0.009114	5.62	408.85	136.37	0.54
Reach 2	671343	5 - Year	17683	1150	1169.32		1170.23	0.002995	8.41	2929.32	368.6	0.39
Reach 2	671343	10 - Year	33217	1150	1175.23		1176.19	0.002288	9.28	5782.71	562.61	0.37
Reach 2	671343	50 - Year	66201	1150	1184.09		1185.07	0.001738	10.33	12171.06	949.83	0.34
Reach 2	671343	100 - Year	78092	1150	1185.96		1187	0.001754	10.82	14030.61	1036.02	0.34
Reach 2	671343	500 - Year	117435	1150	1190.78		1191.94	0.001789	12.04	19586.41	1234.65	0.36
Reach 2	671065	2 - Year	2276	1148	1158.18		1158.31	0.001052	2.94	774.85	122.98	0.2
Reach 2	671065	5 - Year	17683	1148	1168.69		1169.55	0.002036	7.82	2870.68	318.28	0.34
Reach 2	671065	10 - Year	33217	1148	1174.41		1175.59	0.002099	9.64	5195.59	499.37	0.36
Reach 2	671065	50 - Year	66201	1148	1183.23		1184.58	0.001859	11.31	10952.44	914.95	0.36
Reach 2	671065	100 - Year	78092	1148	1185.09		1186.5	0.001894	11.86	12746.62	1005.7	0.36
Reach 2	671065	500 - Year	117435	1148	1189.95		1191.45	0.001916	13.06	18004.56	1127.62	0.37
Reach 2	670714	2 - Year	2276	1149.64	1157.89		1158	0.000718	2.77	837.19	141.37	0.19
Reach 2	670714	5 - Year	17683	1149.64	1168.05		1168.91	0.001651	7.78	2814.75	263.26	0.33
Reach 2	670714	10 - Year	33217	1149.64	1173.44		1174.85	0.001995	10.29	4454.17	349.54	0.38
Reach 2	670714	50 - Year	66201	1149.64	1181.47		1183.76	0.002351	13.73	8758.89	866.3	0.44
Reach 2	670714	100 - Year	78092	1149.64	1183.36		1185.68	0.002334	14.24	10447.71	929.28	0.44
Reach 2	670714	500 - Year	117435	1149.64	1187.92		1190.57	0.002541	16.23	15130.17	1141.9	0.47
Reach 2	670448	2 - Year	2276	1148	1157.78		1157.86	0.000358	2.34	989.88	152.44	0.15
Reach 2	670448	5 - Year	17683	1148	1167.78		1168.53	0.001085	7.19	2966.64	241.05	0.3
Reach 2	670448	10 - Year	33217	1148	1173.02		1174.38	0.001456	9.92	4371.58	295.75	0.37
Reach 2	670448	50 - Year	66201	1148	1180.45		1183.14	0.00206	14.26	7908.85	824.06	0.46
Reach 2	670448	100 - Year	78092	1148	1182.13		1185.03	0.002161	15.14	9349.58	887.35	0.47
Reach 2	670448	500 - Year	117435	1148	1186.21		1189.8	0.002553	17.84	13323.14	1044.9	0.52
Reach 2	670091	2 - Year	2276	1148	1157.62		1157.72	0.000449	2.54	923.56	165.9	0.17
Reach 2	670091	5 - Year	17683	1148	1167.39		1168.12	0.00115	7.26	3198.27	286.78	0.31
Reach 2	670091	10 - Year	33217	1148	1172.57		1173.8	0.001457	9.78	4849.33	349.24	0.37
Reach 2	670091	50 - Year	66201	1148	1179.75		1182.34	0.002154	14.35	8395.47	867.41	0.47
Reach 2	670091	100 - Year	78092	1148	1181.43		1184.18	0.002232	15.16	9903.36	937.44	0.48
Reach 2	670091	500 - Year	117435	1148	1185.35		1188.82	0.002682	18	13998.74	1165.66	0.54
Reach 2	669587	2 - Year	2276	1148	1157.33		1157.44	0.000661	2.63	878.48	178.44	0.2

Reach 2	669587	5 - Year	17683	1148	1166.85		1167.51	0.001155	6.79	3183.3	311.18	0.31
Reach 2	669587	10 - Year	33217	1148	1171.95		1173.02	0.001341	8.9	4948.05	376.39	0.35
Reach 2	669587	50 - Year	66201	1148	1179.11		1181.06	0.001737	12.4	9144.09	1053.13	0.42
Reach 2	669587	100 - Year	78092	1148	1180.83		1182.82	0.00173	12.9	11019.35	1128.16	0.42
Reach 2	669587	500 - Year	117435	1148	1184.87		1187.1	0.001866	14.61	15843.99	1248.02	0.45
Reach 2	669126	2 - Year	2276	1149.37	1156.58		1156.83	0.003138	4	572.06	141.56	0.34
Reach 2	669126	5 - Year	17683	1149.37	1166.19		1166.79	0.00207	7.09	3577.51	426.13	0.33
Reach 2	669126	10 - Year	33217	1149.37	1171.4		1172.15	0.001872	8.33	6026.19	508.5	0.34
Reach 2	669126	50 - Year	66201	1149.37	1178.67		1179.82	0.00204	10.77	10924.19	1184.94	0.37
Reach 2	669126	100 - Year	78092	1149.37	1180.46		1181.59	0.001944	10.99	13155.91	1280.19	0.36
Reach 2	669126	500 - Year	117435	1149.37	1184.58		1185.77	0.00193	11.99	18526.62	1318.98	0.37
Reach 2	668802	2 - Year	2276	1148	1153.84		1154.86	0.01427	8.08	281.68	69.41	0.71
Reach 2	668802	5 - Year	17683	1148	1164.38		1165.74	0.005141	10.79	2791.41	525.78	0.52
Reach 2	668802	10 - Year	33217	1148	1170.75		1171.51	0.002297	9.34	6610.8	669.05	0.37
Reach 2	668802	50 - Year	66201	1148	1178.33		1179.12	0.001815	10.3	12869.21	1319.08	0.35
Reach 2	668802	100 - Year	78092	1148	1180.12		1180.92	0.001771	10.61	15294.64	1384.88	0.35
Reach 2	668802	500 - Year	117435	1148	1184.23		1185.11	0.001829	11.77	21232.44	1494.87	0.36
Reach 2	668532	2 - Year	2276	1146	1152.81		1153.09	0.003093	4.26	534.06	109.42	0.34
Reach 2	668532	5 - Year	17683	1146	1163.82		1164.75	0.00251	8.22	2688.84	263.48	0.37
Reach 2	668532	10 - Year	33217	1146	1170.05		1171.01	0.001962	9.13	6341.63	769.97	0.35
Reach 2	668532	50 - Year	66201	1146	1178		1178.8	0.001388	9.46	13593.71	1156.4	0.31
Reach 2	668532	100 - Year	78092	1146	1179.72		1180.58	0.001445	10.03	15703.61	1260.4	0.32
Reach 2	668532	500 - Year	117435	1146	1183.7		1184.73	0.001638	11.57	21046.3	1402.73	0.34
Reach 2	668199	2 - Year	2251	1146	1151.27		1151.7	0.005794	5.26	427.95	102.47	0.45
Reach 2	668199	5 - Year	17489	1146	1162.79		1163.86	0.002887	8.6	2432.08	268.92	0.4
Reach 2	668199	10 - Year	32595	1146	1169.42		1170.4	0.001952	9.06	6293.01	930.81	0.35
Reach 2	668199	50 - Year	65405	1146	1177.74		1178.39	0.001159	8.69	15671.92	1363.75	0.28
Reach 2	668199	100 - Year	77354	1146	1179.51		1180.16	0.001125	8.9	18131.91	1401.85	0.28
Reach 2	668199	500 - Year	116975	1146	1183.5		1184.26	0.001251	10.16	23855.64	1472.14	0.3
Reach 2	667764	2 - Year	2251	1142	1150.37		1150.59	0.001308	3.74	602.58	89.19	0.25
Reach 2	667764	5 - Year	17489	1142	1161.24		1162.62	0.002764	9.57	2002.39	168.93	0.42
Reach 2	667764	10 - Year	32595	1142	1167.03		1169.28	0.003109	12.48	3475.22	510.81	0.47
Reach 2	667764	50 - Year	65405	1142	1176.79		1177.89	0.001425	10.83	14223.94	1514.39	0.34
Reach 2	667764	100 - Year	77354	1142	1178.72		1179.71	0.001297	10.75	17214.2	1572.72	0.33
Reach 2	667764	500 - Year	116975	1142	1182.82		1183.81	0.001314	11.69	23789.52	1633.74	0.34
Reach 2	667337	2 - Year	2251	1138.19	1150.01		1150.16	0.000747	3.08	730.16	112.9	0.21
Reach 2	667337	5 - Year	17489	1138.19	1160.71		1161.66	0.001472	8	2499.68	214.42	0.35
Reach 2	667337	10 - Year	32595	1138.19	1166.62		1168.14	0.001641	10.38	3886.7	252.12	0.39
Reach 2	667337	50 - Year	65405	1138.19	1175.6		1177.3	0.001414	12.09	12213.49	1646.64	0.38
Reach 2	667337	100 - Year	77354	1138.19	1177.79		1179.21	0.001216	11.73	15881.3	1697.73	0.36
Reach 2	667337	500 - Year	116975	1138.19	1181.97		1183.34	0.001215	12.68	23135	1771.35	0.36
Reach 2	666966	2 - Year	2251	1140.06	1149.72		1149.86	0.000852	3.06	735.99	128.1	0.22
Reach 2	666966	5 - Year	17489	1140.06	1160.22		1161.11	0.001416	7.67	2483.91	199.85	0.34
Reach 2	666966	10 - Year	32595	1140.06	1166.1		1167.53	0.00155	9.93	4132.12	457.31	0.38
Reach 2	666966	50 - Year	65405	1140.06	1175.25		1176.78	0.001263	11.35	12615.81	1748.35	0.36
Reach 2	666966	100 - Year	77354	1140.06	1177.5		1178.77	0.001072	10.97	16624.89	1795.11	0.34
Reach 2	666966	500 - Year	116975	1140.06	1181.68		1182.91	0.001074	11.89	24254.53	1861.04	0.34
Reach 2	666532	2 - Year	2251	1141.38	1149.05		1149.29	0.002182	3.92	574.34	140.83	0.34
Reach 2	666532	5 - Year	17489	1141.38	1159.72		1160.47	0.00138	7.19	2833.22	252.15	0.34
Reach 2	666532	10 - Year	32595	1141.38	1165.73		1166.83	0.001336	8.94	4666.87	435.86	0.35
Reach 2	666532	50 - Year	65405	1141.38	1175.01		1176.22	0.001072	10.29	13585.54	1866.38	0.33
Reach 2	666532	100 - Year	77354	1141.38	1177.32		1178.32	0.000901	9.92	18043.78	1948.96	0.31
Reach 2	666532	500 - Year	116975	1141.38	1181.54		1182.49	0.000868	10.58	26394.24	2003.11	0.31

Reach 2	666278	2 - Year	2251	1141.02	1148.42		1148.65	0.002897	3.87	581.53	179.46	0.38
Reach 2	666278	5 - Year	17489	1141.02	1159.47		1160.1	0.001131	6.48	2927.1	242.49	0.3
Reach 2	666278	10 - Year	32595	1141.02	1165.5		1166.44	0.001103	8.1	4928.14	436.49	0.32
Reach 2	666278	50 - Year	65405	1141.02	1174.88		1175.89	0.000853	9.18	14491.33	1964.12	0.3
Reach 2	666278	100 - Year	77354	1141.02	1177.21		1178.04	0.000716	8.85	19122.8	1999.33	0.28
Reach 2	666278	500 - Year	116975	1141.02	1181.42		1182.25	0.00072	9.64	27623.66	2041.32	0.28
Reach 2	665916	2 - Year	2251	1139.11	1147.68		1147.87	0.001598	3.54	635.92	143.37	0.3
Reach 2	665916	5 - Year	17489	1139.11	1159.08		1159.7	0.001051	6.63	3226.96	293.33	0.3
Reach 2	665916	10 - Year	32595	1139.11	1165.19		1166.01	0.00098	7.99	5783.43	503.06	0.3
Reach 2	665916	50 - Year	65405	1139.11	1174.7		1175.5	0.000727	8.77	16700.65	2041.75	0.28
Reach 2	665916	100 - Year	77354	1139.11	1177.06		1177.72	0.000609	8.42	21548.37	2061.38	0.26
Reach 2	665916	500 - Year	116975	1139.11	1181.26		1181.92	0.000627	9.25	30280.84	2109.42	0.27
Reach 2	665545	2 - Year	2251	1139.24	1147.11		1147.3	0.001452	3.5	643.91	137.4	0.28
Reach 2	665545	5 - Year	17489	1139.24	1158.26		1159.17	0.001411	7.76	2567.89	300.24	0.34
Reach 2	665545	10 - Year	32595	1139.24	1164.28		1165.49	0.001352	9.41	5083.29	500.56	0.35
Reach 2	665545	50 - Year	65405	1139.24	1173.66		1175.03	0.001145	10.99	13291.23	1868.44	0.35
Reach 2	665545	100 - Year	77354	1139.24	1176.24		1177.35	0.000944	10.52	18273.53	1949.77	0.32
Reach 2	665545	500 - Year	116975	1139.24	1180.59		1181.61	0.000901	11.14	26837.33	1983.89	0.32
Reach 2	665326	2 - Year	2251	1138.32	1146.91		1147.05	0.000788	3.1	729.69	122.48	0.22
Reach 2	665326	5 - Year	17489	1138.32	1158.09		1158.8	0.001119	7.3	3223.35	273.96	0.31
Reach 2	665326	10 - Year	32595	1138.32	1164		1165.19	0.001329	9.67	5081.71	388.2	0.35
Reach 2	665326	50 - Year	65405	1138.32	1172.79		1174.62	0.001485	12.65	10875.02	1107.63	0.39
Reach 2	665326	100 - Year	77354	1138.32	1175.03		1176.88	0.001466	13.14	14764.49	1848.37	0.4
Reach 2	665326	500 - Year	116975	1138.32	1179.87		1181.28	0.001207	13.02	23793.56	1879.69	0.37
Reach 2	665186	2 - Year	2251	1137.22	1146.86		1146.94	0.00041	2.24	1008.03	164.07	0.16
Reach 2	665186	5 - Year	17489	1137.22	1158.06		1158.58	0.00074	5.94	3399.08	268.47	0.25
Reach 2	665186	10 - Year	32595	1137.22	1164.01		1164.88	0.000881	7.87	5108.6	306.2	0.29
Reach 2	665186	50 - Year	65405	1137.22	1172.74		1174.31	0.001102	10.88	10113.31	1074.26	0.34
Reach 2	665186	100 - Year	77354	1137.22	1175.02		1176.55	0.00105	11.11	13337.94	1771.31	0.33
Reach 2	665186	500 - Year	116975	1137.22	1179.35		1181.03	0.001149	12.58	21174.86	1824.41	0.36
Reach 2	664860	2 - Year	2251	1136	1146.74		1146.82	0.000315	2.32	998.1	142.99	0.14
Reach 2	664860	5 - Year	17489	1136	1157.61		1158.27	0.000885	6.87	3287.74	270.76	0.28
Reach 2	664860	10 - Year	32595	1136	1163.4		1164.5	0.001099	9.14	4968.5	315.39	0.32
Reach 2	664860	50 - Year	65405	1136	1171.4		1173.68	0.001629	13.42	8454.06	713.34	0.41
Reach 2	664860	100 - Year	77354	1136	1173.07		1175.76	0.00184	14.75	9880.66	930.88	0.44
Reach 2	664860	500 - Year	116975	1136	1177.41		1180.22	0.001952	16.44	16371.23	1606.04	0.47
Reach 2	664659	2 - Year	2251	1135.38	1146.61		1146.72	0.000691	2.75	844.38	141.46	0.19
Reach 2	664659	5 - Year	17489	1135.38	1157.25		1158.02	0.001431	7.44	2994.25	284.41	0.31
Reach 2	664659	10 - Year	32595	1135.38	1163.13		1164.24	0.001528	9.34	4774.34	321.18	0.34
Reach 2	664659	50 - Year	65405	1135.38	1171.09		1173.26	0.002112	13.36	8042.95	621.96	0.42
Reach 2	664659	100 - Year	77354	1135.38	1172.34		1175.26	0.002677	15.44	8954.62	906.88	0.48
Reach 2	664659	500 - Year	116975	1135.38	1176.05	1165.93	1179.55	0.003191	18.11	14386.8	1612.25	0.53
Reach 2	664552	2 - Year	2251	1137.86	1146.53		1146.65	0.000709	2.77	833.62	164.03	0.21
Reach 2	664552	5 - Year	17489	1137.86	1157.16		1157.75	0.000969	6.56	3448.47	322.82	0.29
Reach 2	664552	10 - Year	32595	1137.86	1163.05		1163.92	0.001014	8.25	5515.29	379.91	0.31
Reach 2	664552	50 - Year	65405	1137.86	1171.02		1172.69	0.001357	11.71	9302.14	717.77	0.38
Reach 2	664552	100 - Year	77354	1137.86	1172.21		1174.65	0.001814	13.89	10563.88	1601.06	0.44
Reach 2	664552	500 - Year	116975	1137.86	1175.98		1178.52	0.001931	15.46	16704.52	1648.51	0.46
Reach 2	664425	2 - Year	2251	1138.71	1146.27		1146.49	0.001563	3.8	614.01	141.18	0.3
Reach 2	664425	5 - Year	17489	1138.71	1156.8		1157.56	0.001429	7.72	3249.09	340.52	0.35
Reach 2	664425	10 - Year	32595	1138.71	1162.74		1163.74	0.001336	9.26	5590.66	464.45	0.35
Reach 2	664425	50 - Year	65405	1138.71	1170.82		1172.5	0.001606	12.57	10230.91	1037.78	0.41

Reach 2	664425	100 - Year	77354	1138.71	1172.01		1174.36	0.002084	14.69	11670.6	1676.16	0.47
Reach 2	664425	500 - Year	116975	1138.71	1175.92		1178.09	0.002009	15.63	18342.91	1729.57	0.47
Reach 2	664273	2 - Year	2251	1139.03	1146.02		1146.24	0.00168	3.83	615.63	156.71	0.31
Reach 2	664273	5 - Year	17489	1139.03	1156.67		1157.29	0.001205	7.08	3640.33	367.36	0.32
Reach 2	664273	10 - Year	32595	1139.03	1162.61		1163.49	0.001206	8.79	6266.32	583.44	0.34
Reach 2	664273	50 - Year	65405	1139.03	1170.98		1171.95	0.00104	10.18	12481.98	1257.38	0.33
Reach 2	664273	100 - Year	77354	1139.03	1172.42		1173.5	0.00113	10.95	14592.13	1708.99	0.35
Reach 2	664273	500 - Year	116975	1139.03	1176.01		1177.5	0.001472	13.44	20990.79	1834.47	0.4
Reach 2	664099	2 - Year	2251	1137.25	1145.73		1145.96	0.001551	3.86	609.1	125.54	0.28
Reach 2	664099	5 - Year	17489	1137.25	1156.23		1156.99	0.00177	8.05	3368.2	372.08	0.35
Reach 2	664099	10 - Year	32595	1137.25	1162.34		1163.25	0.001586	9.4	6428.03	641.4	0.35
Reach 2	664099	50 - Year	65405	1137.25	1170.84		1171.71	0.00125	10.31	14155.95	1530.34	0.33
Reach 2	664099	100 - Year	77354	1137.25	1172.29		1173.22	0.00133	10.96	16594.84	1880.13	0.34
Reach 2	664099	500 - Year	116975	1137.25	1176.02		1177.01	0.001428	12.21	23851.9	1996.58	0.36
Reach 2	663896	2 - Year	2251	1136.93	1145.02		1145.43	0.003853	5.15	437.13	92.05	0.42
Reach 2	663896	5 - Year	17489	1136.93	1155.54		1156.51	0.00252	8.99	3083.71	415.2	0.41
Reach 2	663896	10 - Year	32595	1136.93	1161.97		1162.89	0.001799	9.63	6586.84	777.22	0.37
Reach 2	663896	50 - Year	65405	1136.93	1170.74		1171.35	0.001043	9.21	16567.96	1664.36	0.29
Reach 2	663896	100 - Year	77354	1136.93	1172.17		1172.84	0.001104	9.77	19177.13	2004.43	0.31
Reach 2	663896	500 - Year	116975	1136.93	1175.88		1176.61	0.001206	10.99	26793.11	2156.75	0.33
Reach 2	663748	2 - Year	2251	1136.44	1144.78		1145.01	0.001437	3.82	591.01	115.47	0.29
Reach 2	663748	5 - Year	17489	1136.44	1155.16		1156.18	0.001791	8.72	2878.96	358.3	0.39
Reach 2	663748	10 - Year	32595	1136.44	1161.63		1162.65	0.001348	9.51	6473.31	733.47	0.36
Reach 2	663748	50 - Year	65405	1136.44	1170.52		1171.21	0.000811	9.23	17992.26	1953.93	0.29
Reach 2	663748	100 - Year	77354	1136.44	1172.02		1172.7	0.000814	9.55	20954.83	1998.59	0.29
Reach 2	663748	500 - Year	116975	1136.44	1175.68		1176.45	0.000925	10.92	28587.44	2179.72	0.32
Reach 2	663539	2 - Year	2251	1136.63	1144.33		1144.61	0.002424	4.26	542.51	149.91	0.36
Reach 2	663539	5 - Year	17489	1136.63	1154.96		1155.71	0.001497	7.68	3408.52	413.02	0.35
Reach 2	663539	10 - Year	32595	1136.63	1161.5		1162.28	0.001125	8.48	7047.93	720.59	0.32
Reach 2	663539	50 - Year	65405	1136.63	1170.42		1171.01	0.000712	8.5	19666.51	2046.61	0.27
Reach 2	663539	100 - Year	77354	1136.63	1171.93		1172.5	0.000707	8.75	22775.83	2089.22	0.27
Reach 2	663539	500 - Year	116975	1136.63	1175.57		1176.22	0.000796	9.98	30785.8	2293.99	0.29
Reach 2	663227	2 - Year	2251	1135.66	1144.02		1144.14	0.000765	2.73	837.49	174.33	0.21
Reach 2	663227	5 - Year	17489	1135.66	1154.7		1155.26	0.000924	6.31	3641.45	410.1	0.28
Reach 2	663227	10 - Year	32595	1135.66	1161.3		1161.94	0.000755	7.19	7754.06	837.27	0.27
Reach 2	663227	50 - Year	65405	1135.66	1170.32		1170.79	0.00049	7.25	22557.67	2247.08	0.23
Reach 2	663227	100 - Year	77354	1135.66	1171.81		1172.29	0.0005	7.55	26004.35	2357.18	0.23
Reach 2	663227	500 - Year	116975	1135.66	1175.45		1175.98	0.000567	8.62	34955.68	2559.95	0.25
Reach 2	662706	2 - Year	2251	1131.83	1143.57		1143.73	0.000729	3.21	709.37	110.95	0.21
Reach 2	662706	5 - Year	17489	1131.83	1152.78		1154.27	0.002378	10.11	2065.96	186.31	0.44
Reach 2	662706	10 - Year	32595	1131.83	1158.44		1160.78	0.002675	13.08	3598.41	359.68	0.49
Reach 2	662706	50 - Year	65405	1131.83	1166.64	1160.43	1169.58	0.002622	16.01	9865.08	1684.5	0.51
Reach 2	662706	100 - Year	77354	1131.83	1170.03		1171.58	0.001525	13.11	15825.15	1823.21	0.4
Reach 2	662706	500 - Year	116975	1131.83	1173.92		1175.33	0.001469	13.84	23183.23	1966.54	0.4
Reach 2	662323	2 - Year	2251	1132.5	1143.41		1143.48	0.000346	2.19	1069.64	180.75	0.15
Reach 2	662323	5 - Year	17489	1132.5	1152.34		1153.03	0.001121	6.91	2921.64	229.78	0.31
Reach 2	662323	10 - Year	32595	1132.5	1157.98		1159.17	0.001311	9.17	4287.5	254.23	0.35
Reach 2	662323	50 - Year	65405	1132.5	1165.91	1154.06	1168.37	0.001811	13.3	7704.42	1403.33	0.43
Reach 2	662323	100 - Year	77354	1132.5	1168.7	1155.95	1170.75	0.001494	12.84	12309.05	1705.8	0.4
Reach 2	662323	500 - Year	116975	1132.5	1171.72		1174.17	0.001837	15.11	17593.23	1795.1	0.45
Reach 2	661986	2 - Year	2251	1132.93	1143.3		1143.37	0.000285	2.17	1071.69	158.76	0.14
Reach 2	661986	5 - Year	17489	1132.93	1151.72		1152.57	0.001324	7.64	2660.86	217.23	0.33

Reach 2	661986	10 - Year	32595	1132.93	1157.1		1158.59	0.00163	10.27	3915.24	249.68	0.39
Reach 2	661986	50 - Year	65405	1132.93	1164.65	1154.69	1167.56	0.002231	14.68	6897.79	1101.94	0.48
Reach 2	661986	100 - Year	77354	1132.93	1166.46	1156.55	1169.76	0.002405	15.86	9513.01	1769.85	0.5
Reach 2	661986	500 - Year	116975	1132.93	1170.3		1173.32	0.002343	16.93	16557.86	1889.45	0.51
Reach 2	661704	2 - Year	2251	1131.63	1143.24		1143.3	0.000204	1.9	1222.69	171.37	0.12
Reach 2	661704	5 - Year	17489	1131.63	1151.45		1152.17	0.001087	6.98	2878.69	229.25	0.3
Reach 2	661704	10 - Year	32595	1131.63	1156.79		1158.06	0.001369	9.45	4187.18	261.89	0.36
Reach 2	661704	50 - Year	65405	1131.63	1164.06	1153.33	1166.93	0.002109	14.23	6653.96	1286.02	0.47
Reach 2	661704	100 - Year	77354	1131.63	1165.92	1155.3	1169	0.00219	15.11	9657.16	1771.6	0.48
Reach 2	661704	500 - Year	116975	1131.63	1169.72		1172.64	0.002184	16.3	16590.33	1877.07	0.49
Reach 2	661449	2 - Year	2251	1130.72	1143.2		1143.25	0.000183	1.82	1282.1	180.71	0.11
Reach 2	661449	5 - Year	17489	1130.72	1151.2		1151.88	0.001035	6.77	2992.58	242.1	0.3
Reach 2	661449	10 - Year	32595	1130.72	1156.49		1157.68	0.001302	9.16	4361	276.15	0.35
Reach 2	661449	50 - Year	65405	1130.72	1163.83		1166.18	0.001819	13.17	7316.74	654.24	0.43
Reach 2	661449	100 - Year	77354	1130.72	1165.5	1154.66	1168.35	0.002077	14.6	10050.41	1772.82	0.47
Reach 2	661449	500 - Year	116975	1130.72	1169.26		1172.04	0.002117	15.93	17007.68	1931.7	0.48
Reach 2	661196	2 - Year	2251	1132.35	1143.15		1143.2	0.000186	1.74	1324	190.83	0.11
Reach 2	661196	5 - Year	17489	1132.35	1150.97		1151.59	0.000995	6.44	3015.49	240.48	0.29
Reach 2	661196	10 - Year	32595	1132.35	1156.21		1157.32	0.001236	8.72	4372.12	331.94	0.34
Reach 2	661196	50 - Year	65405	1132.35	1163.53	1152.08	1165.61	0.001639	12.28	7973.14	810.47	0.41
Reach 2	661196	100 - Year	77354	1132.35	1165.21	1153.94	1167.66	0.001823	13.46	10522.1	1977.98	0.44
Reach 2	661196	500 - Year	116975	1132.35	1169		1171.32	0.001811	14.53	19327.87	2528.61	0.44
Reach 2	660680	2 - Year	2251	1130.97	1143.04		1143.09	0.000236	1.86	1268.53	210.41	0.12
Reach 2	660680	5 - Year	17489	1130.97	1150.38		1151.03	0.001177	6.67	3058.46	276.95	0.31
Reach 2	660680	10 - Year	32595	1130.97	1155.55		1156.65	0.001369	8.82	4656.49	352.09	0.35
Reach 2	660680	50 - Year	65405	1130.97	1162.85		1164.64	0.001601	11.79	9925.04	1500.55	0.4
Reach 2	660680	100 - Year	77354	1130.97	1164.39	1153.85	1166.61	0.001854	13.16	13003.35	2739.94	0.44
Reach 2	660680	500 - Year	116975	1130.97	1168.61		1170.11	0.001406	12.57	25333.2	3110.22	0.39
Reach 2	660198	2 - Year	2437	1128.82	1142.95		1142.99	0.000165	1.62	1576.77	220.62	0.1
Reach 2	660198	5 - Year	18938	1128.82	1149.79		1150.43	0.001289	6.63	3319.31	284.9	0.3
Reach 2	660198	10 - Year	35243	1128.82	1154.64		1155.86	0.001761	9.27	4906.66	667.69	0.36
Reach 2	660198	50 - Year	71083	1128.82	1162.75		1163.54	0.00106	8.98	18999.31	2696.2	0.3
Reach 2	660198	100 - Year	84314	1128.82	1164.55		1165.25	0.000952	8.87	24467.5	3390.13	0.28
Reach 2	660198	500 - Year	125545	1128.82	1168.63		1169.16	0.000782	8.74	39295.35	3856.18	0.26
Reach 2	659597	2 - Year	2437	1135.63	1142.16		1142.57	0.008977	5.8	625.34	388.33	0.55
Reach 2	659597	5 - Year	18938	1135.63	1148.56		1149.14	0.004275	7.96	3492.98	507.43	0.45
Reach 2	659597	10 - Year	35243	1135.63	1153.64		1154.27	0.002866	8.64	6441.4	885.18	0.4
Reach 2	659597	50 - Year	71083	1135.63	1162.3		1162.64	0.001303	7.92	21704.27	2622.57	0.29
Reach 2	659597	100 - Year	84314	1135.63	1164.08		1164.43	0.001359	8.5	26899.24	3468.09	0.3
Reach 2	659597	500 - Year	125545	1135.63	1168.31		1168.55	0.000843	7.43	42182.53	3768.77	0.24
Reach 2	659127	2 - Year	2437	1132.47	1139.47		1139.69	0.004823	4.38	723.96	258.33	0.41
Reach 2	659127	5 - Year	18938	1132.47	1147.44		1147.76	0.002255	6.36	4965.75	728.88	0.33
Reach 2	659127	10 - Year	35243	1132.47	1153.03		1153.33	0.00133	6.4	9376.95	906.48	0.27
Reach 2	659127	50 - Year	71083	1132.47	1161.86		1162.13	0.00093	7.09	23109.7	2344.38	0.25
Reach 2	659127	100 - Year	84314	1132.47	1163.67		1163.92	0.000845	7.07	27592.59	2575.06	0.24
Reach 2	659127	500 - Year	125545	1132.47	1167.97		1168.21	0.000733	7.25	41965.77	3542.83	0.23
Reach 2	658492	2 - Year	2437	1129.5	1136.4		1136.67	0.004905	4.61	681.09	243.05	0.41
Reach 2	658492	5 - Year	18938	1129.5	1146.64		1146.84	0.000975	4.69	6087.54	661.9	0.23
Reach 2	658492	10 - Year	35243	1129.5	1152.47		1152.71	0.000764	5.3	10204.31	788.65	0.21
Reach 2	658492	50 - Year	71083	1129.5	1161.32		1161.64	0.000706	6.56	21229.56	2086.65	0.22
Reach 2	658492	100 - Year	84314	1129.5	1163.16		1163.47	0.000677	6.7	25233.48	2258.7	0.22
Reach 2	658492	500 - Year	125545	1129.5	1167.47		1167.78	0.00067	7.3	37171.56	3111.33	0.22

Reach 2	658049	2 - Year	2437	1123.86	1135.52		1135.62	0.00122	2.53	962.18	210.35	0.21
Reach 2	658049	5 - Year	18938	1123.86	1145.85		1146.3	0.001217	5.54	3813.93	355.76	0.25
Reach 2	658049	10 - Year	35243	1123.86	1151.53		1152.18	0.001231	6.92	6111.59	462.55	0.27
Reach 2	658049	50 - Year	71083	1123.86	1160.18		1161.09	0.001213	8.69	13898.51	1827.93	0.28
Reach 2	658049	100 - Year	84314	1123.86	1162.19		1162.98	0.001072	8.54	17766.15	2023.25	0.27
Reach 2	658049	500 - Year	125545	1123.86	1166.64		1167.35	0.000968	8.87	28162.38	2790.74	0.26
Reach 2	657678	2 - Year	2437	1120.65	1135.39		1135.44	0.000216	1.7	1435.19	156.62	0.1
Reach 2	657678	5 - Year	18938	1120.65	1145.35		1145.87	0.001012	5.95	3489.23	255.73	0.24
Reach 2	657678	10 - Year	35243	1120.65	1150.65		1151.62	0.001391	8.23	5019.05	327.35	0.29
Reach 2	657678	50 - Year	71083	1120.65	1158.63		1160.32	0.001828	11.41	10223.5	1444.2	0.35
Reach 2	657678	100 - Year	84314	1120.65	1160.78		1162.3	0.001664	11.36	13866.97	1905.58	0.34
Reach 2	657678	500 - Year	125545	1120.65	1165.93		1166.91	0.001179	10.5	25403.84	2551.13	0.29
Reach 2	657346	2 - Year	2437	1121.13	1135.29		1135.34	0.000357	1.91	1278.17	173.4	0.12
Reach 2	657346	5 - Year	18938	1121.13	1145.01		1145.51	0.001117	5.83	3592.33	287.14	0.25
Reach 2	657346	10 - Year	35243	1121.13	1150.24		1151.1	0.001407	7.84	5210.66	334.48	0.29
Reach 2	657346	50 - Year	71083	1121.13	1158.03		1159.69	0.001904	11.16	10234.67	1558.59	0.36
Reach 2	657346	100 - Year	84314	1121.13	1160.29		1161.7	0.001644	10.89	14377.57	2050.54	0.34
Reach 2	657346	500 - Year	125545	1121.13	1165.61		1166.49	0.001105	9.89	26619.04	2629.88	0.29
Reach 2	657027	2 - Year	2437	1121.74	1135.21		1135.25	0.000217	1.64	1487.07	175.02	0.1
Reach 2	657027	5 - Year	18938	1121.74	1144.66		1145.17	0.001017	5.77	3511.39	259.68	0.24
Reach 2	657027	10 - Year	35243	1121.74	1149.68		1150.64	0.00143	8.09	4965.11	333.09	0.3
Reach 2	657027	50 - Year	71083	1121.74	1157.28		1158.92	0.00182	11.06	9147.58	1186.13	0.35
Reach 2	657027	100 - Year	84314	1121.74	1159.41		1161.12	0.001835	11.62	12228.67	2132.55	0.36
Reach 2	657027	500 - Year	125545	1121.74	1164.86		1166.08	0.001362	11.11	23225.7	2654.51	0.32
Reach 2	656788	2 - Year	2437	1126	1135.1		1135.17	0.000503	2.22	1100.17	154.33	0.15
Reach 2	656788	5 - Year	18938	1126	1144.03		1144.82	0.001854	7.26	2896.87	272.13	0.32
Reach 2	656788	10 - Year	35243	1126	1148.84		1150.17	0.002333	9.71	4443.01	377.39	0.38
Reach 2	656788	50 - Year	71083	1126	1156.34		1158.36	0.002634	12.68	8714.72	1392.22	0.42
Reach 2	656788	100 - Year	84314	1126	1158.53		1160.57	0.002565	13.15	11852.91	2227.23	0.42
Reach 2	656788	500 - Year	125545	1126	1164.57		1165.71	0.001512	11.4	24362.19	2836.34	0.33
Reach 2	656385	2 - Year	2437	1130.21	1133.12	1133.12	1134.22	0.034931	8.4	290.14	134.74	1.01
Reach 2	656385	5 - Year	18938	1130.21	1142.89		1143.78	0.003707	8.42	3161.88	462.86	0.43
Reach 2	656385	10 - Year	35243	1130.21	1148.09		1148.98	0.002615	9.04	6302.49	822.37	0.39
Reach 2	656385	50 - Year	71083	1130.21	1156.21		1156.92	0.001601	9.2	15831.05	2466.36	0.32
Reach 2	656385	100 - Year	84314	1130.21	1158.57		1159.16	0.001295	8.78	20922.25	2678.26	0.3
Reach 2	656385	500 - Year	125545	1130.21	1164.46		1164.91	0.000924	8.45	36173.07	3280.45	0.26
Reach 2	656028	2 - Year	2428	1121.44	1131.64		1131.81	0.001821	3.28	739.99	151.84	0.26
Reach 2	656028	5 - Year	18867	1121.44	1142.36		1142.9	0.001493	6.42	4137.82	501.43	0.29
Reach 2	656028	10 - Year	35027	1121.44	1147.66		1148.32	0.001403	7.57	7050.68	594.94	0.29
Reach 2	656028	50 - Year	70813	1121.44	1155.32		1156.35	0.001601	9.97	12486.29	1294.58	0.33
Reach 2	656028	100 - Year	84100	1121.44	1157.63		1158.63	0.001478	10.09	14682.74	1377.51	0.32
Reach 2	656028	500 - Year	125213	1121.44	1162.4		1164.11	0.002129	13.33	19492.81	1591.55	0.39
Reach 2	655678	2 - Year	2428	1118.47	1131.25		1131.37	0.000835	2.81	863.35	123.47	0.19
Reach 2	655678	5 - Year	18867	1118.47	1141.26		1142.18	0.002186	7.91	2841.16	335.25	0.35
Reach 2	655678	10 - Year	35027	1118.47	1146.16		1147.51	0.002485	10.08	4766.19	437.38	0.39
Reach 2	655678	50 - Year	70813	1118.47	1153.43		1155.41	0.002782	13.01	8680.05	1015.32	0.43
Reach 2	655678	100 - Year	84100	1118.47	1155.39		1157.63	0.002958	14.03	10148.94	1253.66	0.45
Reach 2	655678	500 - Year	125213	1118.47	1160.95		1163.22	0.002691	14.98	14771.79	1521.9	0.44
Reach 2	655187	2 - Year	2428	1118.67	1130.64		1130.79	0.001772	3.11	779.99	196.45	0.27
Reach 2	655187	5 - Year	18867	1118.67	1140.58		1141.22	0.001485	6.55	3173.96	300.62	0.31
Reach 2	655187	10 - Year	35027	1118.67	1145.25		1146.4	0.001857	8.89	4580.28	493.46	0.36
Reach 2	655187	50 - Year	70813	1118.67	1152.05		1154.14	0.002363	12.35	7646.84	990.48	0.43
Reach 2	655187	100 - Year	84100	1118.67	1153.87		1156.27	0.002529	13.37	8675.06	1242.78	0.45

Reach 2	655187	500 - Year	125213	1118.67	1158.6		1161.76	0.002863	15.84	12282.31	1949.58	0.49
Reach 2	654970	2 - Year	2428	1117.23	1130.45		1130.53	0.000753	2.33	1044.41	216.02	0.19
Reach 2	654970	5 - Year	18867	1117.23	1140.41		1140.9	0.00105	5.75	3552.6	292.41	0.26
Reach 2	654970	10 - Year	35027	1117.23	1145.06		1145.99	0.001391	7.94	5061.98	513.98	0.32
Reach 2	654970	50 - Year	70813	1117.23	1151.83		1153.59	0.001871	11.23	8102.72	1078.7	0.39
Reach 2	654970	100 - Year	84100	1117.23	1153.56		1155.69	0.002101	12.42	9094.11	1394.06	0.41
Reach 2	654970	500 - Year	125213	1117.23	1158.31		1161.08	0.002376	14.67	13070.86	2070.27	0.45
Reach 2	654689	2 - Year	2428	1121.98	1130.25		1130.34	0.000627	2.34	1037.12	187.66	0.17
Reach 2	654689	5 - Year	18867	1121.98	1139.99		1140.58	0.0012	6.33	3364.52	297.08	0.28
Reach 2	654689	10 - Year	35027	1121.98	1144.46		1145.55	0.001626	8.74	4928.9	611.17	0.35
Reach 2	654689	50 - Year	70813	1121.98	1151		1153	0.002191	12.27	8040.37	1202.81	0.42
Reach 2	654689	100 - Year	84100	1121.98	1152.69		1155.03	0.002418	13.43	9076.92	1456.15	0.45
Reach 2	654689	500 - Year	125213	1121.98	1157.25		1160.33	0.002785	15.93	12885.21	2214.14	0.49
Reach 2	654396	2 - Year	2428	1124.42	1128.78	1128.61	1129.71	0.02273	7.76	312.89	136.94	0.9
Reach 2	654396	5 - Year	18867	1124.42	1139.24		1140.07	0.00248	7.84	3031.82	356.09	0.4
Reach 2	654396	10 - Year	35027	1124.42	1143.69		1144.94	0.002622	9.92	4840.32	725.65	0.43
Reach 2	654396	50 - Year	70813	1124.42	1150.18		1152.24	0.003046	13.31	8428.72	1423.57	0.49
Reach 2	654396	100 - Year	84100	1124.42	1151.96		1154.2	0.003105	14.11	9767.49	1783.32	0.5
Reach 2	654396	500 - Year	125213	1124.42	1156.22		1159.38	0.003734	17.19	14255.88	2898.71	0.56
Reach 2	653886	2 - Year	2428	1120	1127.84	1123.42	1127.96	0.000957	2.85	851.7	154.56	0.21
Reach 2	653886	5 - Year	18867	1120	1138.46	1130.31	1139.09	0.001303	6.46	3185.94	280.2	0.29
Reach 2	653886	10 - Year	35027	1120	1142.63	1133.89	1143.83	0.001847	9.07	4515.65	610.55	0.37
Reach 2	653886	50 - Year	70813	1120	1148.45	1140.01	1150.75	0.002668	13.01	7517.78	1680.62	0.46
Reach 2	653886	100 - Year	84100	1120	1150.36	1142.18	1152.87	0.002727	13.82	8798.92	2106.6	0.47
Reach 2	653886	500 - Year	125213	1120	1155.29	1148.17	1157.5	0.002323	14.27	18243.41	3474.35	0.45
Reach 2	653370	2 - Year	2428	1110.32	1127.76	1114.26	1127.78	0.000079	1.19	2043.79	180.11	0.06
Reach 2	653370	5 - Year	18867	1110.32	1138.12	1122.33	1138.45	0.000524	4.69	4378.49	303.2	0.18
Reach 2	653370	10 - Year	35027	1110.32	1142.05	1126.83	1142.79	0.000958	7.08	6035.46	751.29	0.25
Reach 2	653370	50 - Year	70813	1110.32	1147.52	1133.51	1149.07	0.001705	10.76	9654.32	2019.94	0.34
Reach 2	653370	100 - Year	84100	1110.32	1149.37	1135.84	1151.13	0.001855	11.66	11771.02	2714.31	0.36
Reach 2	653370	500 - Year	125213	1110.32	1154.68	1143.06	1155.75	0.001255	10.6	25925.12	3612.02	0.3
Reach 2	652765	2 - Year	2436	1116.95	1127.58		1127.66	0.000568	2.3	1058.35	154.53	0.15
Reach 2	652765	5 - Year	18930	1116.95	1137.15		1137.84	0.001596	6.87	3519.7	547.8	0.3
Reach 2	652765	10 - Year	35046	1116.95	1140.93		1141.93	0.002035	8.91	6154.8	969.8	0.35
Reach 2	652765	50 - Year	71092	1116.95	1146.65		1147.88	0.002179	10.91	11811.01	1711.96	0.38
Reach 2	652765	100 - Year	84504	1116.95	1148.52		1149.82	0.002215	11.52	14221.31	2157.81	0.39
Reach 2	652765	500 - Year	125697	1116.95	1153.96		1154.99	0.00165	11.21	22734.54	2976.26	0.34
Reach 2	652053	2 - Year	2436	1120.08	1124.66	1124.66	1126.02	0.032399	9.35	260.47	97.14	1.01
Reach 2	652053	5 - Year	18930	1120.08	1134.75		1135.95	0.004943	9.38	2622.43	414.14	0.5
Reach 2	652053	10 - Year	35046	1120.08	1139.34		1140.4	0.003354	9.74	6190.48	975.66	0.43
Reach 2	652053	50 - Year	71092	1120.08	1145.76		1146.6	0.002192	9.91	13493.97	1793.77	0.37
Reach 2	652053	100 - Year	84504	1120.08	1147.75		1148.57	0.001989	10	16493.44	2282.58	0.36
Reach 2	652053	500 - Year	125697	1120.08	1153.5		1154.13	0.001329	9.43	26901.45	3231.91	0.3
Reach 2	651126	2 - Year	2436	1111.08	1120.86		1121.03	0.001238	3.32	733.06	108.97	0.23
Reach 2	651126	5 - Year	18930	1111.08	1131.82		1132.76	0.002581	7.95	2777.51	360.85	0.37
Reach 2	651126	10 - Year	35046	1111.08	1136.7		1137.95	0.002614	9.72	5314.36	698.28	0.39
Reach 2	651126	50 - Year	71092	1111.08	1143.64		1144.93	0.002252	11.07	11857.46	1601.7	0.38
Reach 2	651126	100 - Year	84504	1111.08	1146.11		1147.21	0.001876	10.72	15132.97	1944	0.35
Reach 2	651126	500 - Year	125697	1111.08	1152.47		1153.3	0.001283	10.13	24776.96	2828.05	0.3
Reach 2	650581	2 - Year	2436	1108.75	1119.91		1120.17	0.001941	4.1	594.38	88.63	0.28
Reach 2	650581	5 - Year	18930	1108.75	1129.51		1130.88	0.004297	9.93	2381.29	275.51	0.47
Reach 2	650581	10 - Year	35046	1108.75	1134.42		1136.14	0.004111	11.88	4936.31	725.82	0.48

Reach 2	650581	50 - Year	71092	1108.75	1142.58		1143.76	0.002333	11.37	11387.32	1150.64	0.39
Reach 2	650581	100 - Year	84504	1108.75	1145.07		1146.23	0.002147	11.57	13623.2	1444.36	0.38
Reach 2	650581	500 - Year	125697	1108.75	1151.49		1152.54	0.001664	11.61	20687.2	2343.94	0.34
Reach 2	650271	2 - Year	2436	1109.97	1119.3		1119.5	0.002207	3.58	680.46	141.94	0.29
Reach 2	650271	5 - Year	18930	1109.97	1128.91		1129.63	0.002357	7.02	3097.75	365.42	0.35
Reach 2	650271	10 - Year	35046	1109.97	1133.9		1134.93	0.002289	8.65	5493.17	665.68	0.36
Reach 2	650271	50 - Year	71092	1109.97	1142.15		1143.19	0.001647	9.5	11510.02	1126.34	0.33
Reach 2	650271	100 - Year	84504	1109.97	1144.63		1145.73	0.001602	9.96	13639.75	1462.94	0.33
Reach 2	650271	500 - Year	125697	1109.97	1151		1152.14	0.001397	10.65	20389.52	2366.87	0.32
Reach 2	649916	2 - Year	2436	1106.34	1119.12		1119.19	0.000325	2.05	1187.75	155.87	0.13
Reach 2	649916	5 - Year	18930	1106.34	1128.31		1129.01	0.001314	6.78	3111.82	305.48	0.3
Reach 2	649916	10 - Year	35046	1106.34	1133.04		1134.21	0.001668	9.07	4998.67	449.28	0.35
Reach 2	649916	50 - Year	71092	1106.34	1140.49		1142.33	0.001948	12.01	8861.56	891.26	0.4
Reach 2	649916	100 - Year	84504	1106.34	1142.78		1144.83	0.002008	12.84	10431.92	1183.78	0.41
Reach 2	649916	500 - Year	125697	1106.34	1149.03		1151.26	0.001898	14.13	16430.5	2230.29	0.41
Reach 2	649601	2 - Year	2436	1104.33	1119		1119.07	0.000418	2.12	1147.57	172.33	0.14
Reach 2	649601	5 - Year	18930	1104.33	1127.95		1128.55	0.001268	6.35	3412.55	332.36	0.29
Reach 2	649601	10 - Year	35046	1104.33	1132.61		1133.62	0.00158	8.49	5111.32	399.34	0.34
Reach 2	649601	50 - Year	71092	1104.33	1139.97		1141.66	0.001856	11.38	8523.59	881.2	0.39
Reach 2	649601	100 - Year	84504	1104.33	1142.07		1144.17	0.002094	12.7	10003.01	1243.01	0.42
Reach 2	649601	500 - Year	125697	1104.33	1148.05		1150.55	0.002108	14.43	15782.51	2392.22	0.43
Reach 2	649322	2 - Year	2436	1103.45	1118.87		1118.95	0.000451	2.3	1129.57	227.26	0.15
Reach 2	649322	5 - Year	18930	1103.45	1127.61		1128.18	0.001263	6.57	3795.08	365.01	0.29
Reach 2	649322	10 - Year	35046	1103.45	1132.21		1133.13	0.00158	8.71	5623.02	436.34	0.34
Reach 2	649322	50 - Year	71092	1103.45	1139.55		1141.05	0.00185	11.56	9693.2	974.88	0.39
Reach 2	649322	100 - Year	84504	1103.45	1141.77		1143.38	0.001855	12.18	11240.71	1244.05	0.39
Reach 2	649322	500 - Year	125697	1103.45	1147.75		1149.73	0.001941	14.07	16955.21	2182.93	0.41
Reach 2	649016	2 - Year	2436	1102.83	1118.8		1118.85	0.000185	1.77	1438.69	212.14	0.1
Reach 2	649016	5 - Year	18930	1102.83	1127.28		1127.83	0.000993	6.31	3788.03	322.17	0.26
Reach 2	649016	10 - Year	35046	1102.83	1131.64		1132.66	0.001452	8.83	5318.91	381.33	0.33
Reach 2	649016	50 - Year	71092	1102.83	1138.39		1140.39	0.002132	12.77	8509.23	842.29	0.42
Reach 2	649016	100 - Year	84504	1102.83	1140.48		1142.69	0.002217	13.64	9916.56	1190.69	0.43
Reach 2	649016	500 - Year	125697	1102.83	1146.52		1149.04	0.002203	15.31	15190.97	2209.68	0.44
Reach 2	648606	2 - Year	2436	1112	1118.61		1118.71	0.00074	2.53	998.06	204.71	0.19
Reach 2	648606	5 - Year	18930	1112	1126.42		1127.24	0.002034	7.53	2965.8	313.55	0.36
Reach 2	648606	10 - Year	35046	1112	1130.42		1131.84	0.002617	10.17	4408.38	408.37	0.43
Reach 2	648606	50 - Year	71092	1112	1137.03		1139.33	0.003011	13.53	7576.59	604.74	0.49
Reach 2	648606	100 - Year	84504	1112	1139.03		1141.6	0.003084	14.45	8794.96	1017.66	0.5
Reach 2	648606	500 - Year	125697	1112	1145.16		1148.02	0.002813	15.89	13857.12	2081.17	0.49
Reach 2	648272	2 - Year	2436	1110.04	1118.45		1118.51	0.000428	1.93	1303.17	252.41	0.14
Reach 2	648272	5 - Year	18930	1110.04	1126.01		1126.55	0.001368	6.11	3470.74	346.96	0.3
Reach 2	648272	10 - Year	35046	1110.04	1129.92		1130.91	0.001808	8.36	4960.07	412.2	0.36
Reach 2	648272	50 - Year	71092	1110.04	1136.49		1138.19	0.002155	11.34	8191.23	590.72	0.41
Reach 2	648272	100 - Year	84504	1110.04	1138.49		1140.42	0.002231	12.18	9381.01	967.82	0.42
Reach 2	648272	500 - Year	125697	1110.04	1144.77		1146.86	0.001965	13.23	14808.4	2091.22	0.41
Reach 2	647872	2 - Year	2436	1109.24	1118.26		1118.33	0.000442	2.16	1212.03	220.73	0.15
Reach 2	647872	5 - Year	18930	1109.24	1125.17		1125.9	0.001911	7.3	3325.16	428.3	0.35
Reach 2	647872	10 - Year	35046	1109.24	1128.96		1130.09	0.002319	9.5	5108.82	510.09	0.4
Reach 2	647872	50 - Year	71092	1109.24	1135.64		1137.28	0.002434	12.12	9155.88	757.81	0.44
Reach 2	647872	100 - Year	84504	1109.24	1137.72		1139.47	0.0024	12.72	10804.52	974.68	0.44
Reach 2	647872	500 - Year	125697	1109.24	1144.5		1145.98	0.001706	12.53	18155.36	2229.19	0.39
Reach 2	647469	2 - Year	2436	1114	1117.88		1118	0.0019	2.79	892.87	267.44	0.26

Reach 2	647469	5 - Year	18930	1114	1124.29		1124.93	0.002957	6.84	3374.27	488.84	0.38
Reach 2	647469	10 - Year	35046	1114	1128.11		1128.99	0.002852	8.33	5358.16	547.36	0.39
Reach 2	647469	50 - Year	71092	1114	1134.95		1136.18	0.002495	10.18	9550.11	720.42	0.39
Reach 2	647469	100 - Year	84504	1114	1137.03		1138.38	0.002464	10.78	11172.31	914.05	0.4
Reach 2	647469	500 - Year	125697	1114	1143.89		1145.23	0.00189	11.25	18165.24	2621.3	0.36
Reach 2	647114	2 - Year	2436	1109.96	1116.73		1116.94	0.0055	3.96	774.75	389.18	0.39
Reach 2	647114	5 - Year	18930	1109.96	1123.37		1123.82	0.00327	6.47	3922.86	522.94	0.36
Reach 2	647114	10 - Year	35046	1109.96	1127.28		1127.92	0.003054	7.82	6069.45	577.01	0.37
Reach 2	647114	50 - Year	71092	1109.96	1134.31		1135.22	0.002635	9.57	10603.3	727.6	0.37
Reach 2	647114	100 - Year	84504	1109.96	1136.43		1137.43	0.002578	10.1	12215.75	838.09	0.37
Reach 2	647114	500 - Year	125697	1109.96	1143.18		1144.44	0.002645	12.16	18688.99	2782.12	0.39
Reach 2	646718	2 - Year	2436	1105.21	1115.5		1115.65	0.002153	3.09	836.52	254.41	0.26
Reach 2	646718	5 - Year	18930	1105.21	1122.04		1122.6	0.00319	6.87	3653.09	485.03	0.37
Reach 2	646718	10 - Year	35046	1105.21	1125.97		1126.76	0.003144	8.37	5689.64	554.59	0.38
Reach 2	646718	50 - Year	71092	1105.21	1133.18		1134.23	0.002662	10.02	10182.83	695.47	0.38
Reach 2	646718	100 - Year	84504	1105.21	1135.34		1136.46	0.002588	10.51	11725.67	736.34	0.38
Reach 2	646718	500 - Year	125697	1105.21	1141.92		1143.41	0.00273	12.66	18061.8	2363.38	0.4
Reach 2	646509	2 - Year	2426	1106.39	1115.08		1115.23	0.001895	3.1	858.35	239.46	0.25
Reach 2	646509	5 - Year	18848	1106.39	1121.02		1121.75	0.004302	7.93	3363.28	618.49	0.42
Reach 2	646509	10 - Year	34718	1106.39	1125.28		1126.05	0.003234	8.58	5900.67	800.47	0.39
Reach 2	646509	50 - Year	70899	1106.39	1132.71		1133.59	0.002393	9.63	10945.06	1529.36	0.36
Reach 2	646509	100 - Year	84362	1106.39	1134.88		1135.83	0.002355	10.16	12649.32	1771.36	0.36
Reach 2	646509	500 - Year	125215	1106.39	1140.3	1128.09	1142.6	0.004276	15.63	18438.29	3045.24	0.5
Reach 2	646447	2 - Year	2426	1107.26	1114.83	1112.25	1115.05	0.003268	3.8	703.48	245.18	0.32
Reach 2	646447	5 - Year	18848	1107.26	1120.14	1118.61	1121.25	0.007508	9.75	2784.27	619.23	0.55
Reach 2	646447	10 - Year	34718	1107.26	1124.82	1120.88	1125.73	0.004214	9.48	5422.99	824.23	0.44
Reach 2	646447	50 - Year	70899	1107.26	1132.42	1124.48	1133.38	0.002799	10.25	10665.65	1645.84	0.38
Reach 2	646447	100 - Year	84362	1107.26	1134.58	1125.59	1135.62	0.002768	10.85	12488.63	2042.76	0.39
Reach 2	646447	500 - Year	125215	1107.26	1140.36	1128.41	1141.23	0.002249	11.28	26202.32	2966.4	0.36
Reach 2	646410		Culvert									
Reach 2	646363	2 - Year	2426	1106.86	1112.13		1112.44	0.006956	4.41	550.41	178.38	0.44
Reach 2	646363	5 - Year	18848	1106.86	1120.39		1121.05	0.003403	7.25	3542.87	704.85	0.38
Reach 2	646363	10 - Year	34718	1106.86	1124.8		1125.51	0.002664	7.99	6141.53	905.42	0.35
Reach 2	646363	50 - Year	70899	1106.86	1132.27		1133.12	0.002082	9.15	11357.95	1665.14	0.33
Reach 2	646363	100 - Year	84362	1106.86	1134.43		1135.35	0.002069	9.68	13118.2	2080.81	0.34
Reach 2	646363	500 - Year	125215	1106.86	1140.24		1141.12	0.00184	10.47	26624.08	2958.73	0.33
Reach 2	646197	2 - Year	2426	1101.95	1111.29		1111.53	0.003984	3.98	609.01	153.61	0.35
Reach 2	646197	5 - Year	18848	1101.95	1119.87		1120.48	0.002864	7.16	3606.08	552.89	0.35
Reach 2	646197	10 - Year	34718	1101.95	1124.25		1125.03	0.002661	8.41	5724.27	704.21	0.36
Reach 2	646197	50 - Year	70899	1101.95	1131.38		1132.55	0.002734	10.75	9827.75	1438.19	0.39
Reach 2	646197	100 - Year	84362	1101.95	1133.44		1134.75	0.002833	11.56	11328.9	1744.29	0.4
Reach 2	646197	500 - Year	125215	1101.95	1138.07		1140.11	0.003824	14.96	19053.62	2759.96	0.47
Reach 2	645920	2 - Year	2426	1099.59	1111.05		1111.12	0.000561	2.23	1091.15	193.75	0.14
Reach 2	645920	5 - Year	18848	1099.59	1119.2		1119.82	0.002001	6.88	3547.46	524.11	0.31
Reach 2	645920	10 - Year	34718	1099.59	1123.27		1124.25	0.002494	8.96	5219.61	646.19	0.36
Reach 2	645920	50 - Year	70899	1099.59	1129.89		1131.58	0.003177	12.26	8385.05	1110.78	0.42
Reach 2	645920	100 - Year	84362	1099.59	1131.79		1133.71	0.00338	13.25	9536.41	1369.91	0.44
Reach 2	645920	500 - Year	125215	1099.59	1135.83	1126.73	1138.71	0.004475	16.66	12602.42	2240.71	0.52
Reach 2	645599	2 - Year	2426	1099.75	1110.82		1110.91	0.000742	2.47	1024.68	264.71	0.17
Reach 2	645599	5 - Year	18848	1099.75	1118.6		1119.19	0.001879	6.76	3659.51	535.28	0.32
Reach 2	645599	10 - Year	34718	1099.75	1122.56		1123.47	0.002256	8.74	5349.6	631.34	0.36
Reach 2	645599	50 - Year	70899	1099.75	1128.99		1130.59	0.002823	11.99	8615.91	1165.59	0.43

Reach 2	645599	100 - Year	84362	1099.75	1130.84		1132.66	0.002975	12.93	9809.74	1411.97	0.45
Reach 2	645599	500 - Year	125215	1099.75	1135.54		1137.78	0.003162	14.88	13517.98	2117.53	0.47
Reach 2	645247	2 - Year	2426	1099.75	1110.61		1110.7	0.000504	2.43	1066.06	260.98	0.16
Reach 2	645247	5 - Year	18848	1099.75	1117.71		1118.5	0.00205	7.82	3234.38	496.26	0.37
Reach 2	645247	10 - Year	34718	1099.75	1121.28		1122.6	0.002718	10.47	4653.8	643.73	0.44
Reach 2	645247	50 - Year	70899	1099.75	1127.13		1129.47	0.003576	14.53	7701.37	1208.33	0.53
Reach 2	645247	100 - Year	84362	1099.75	1128.96		1131.51	0.003642	15.42	8970.32	1377.09	0.54
Reach 2	645247	500 - Year	125215	1099.75	1133.93	1127.72	1136.66	0.003427	16.85	13582.02	2040.03	0.54
Reach 2	644853	2 - Year	2426	1098.56	1110.47		1110.54	0.000303	2.12	1240.97	288.46	0.13
Reach 2	644853	5 - Year	18848	1098.56	1116.73		1117.66	0.002209	8.3	3014.67	528.48	0.38
Reach 2	644853	10 - Year	34718	1098.56	1119.65		1121.38	0.003459	11.73	4229.47	651.3	0.49
Reach 2	644853	50 - Year	70899	1098.56	1124.8		1127.82	0.004741	16.31	7006.28	1110.03	0.6
Reach 2	644853	100 - Year	84362	1098.56	1126.65		1129.85	0.004714	17.14	8390.83	1356.37	0.61
Reach 2	644853	500 - Year	125215	1098.56	1132.8		1135.31	0.003278	16.59	15335.3	2488.93	0.53
Reach 2	644570	2 - Year	2426	1098.73	1110.38		1110.45	0.000369	2.12	1251.22	280.55	0.14
Reach 2	644570	5 - Year	18848	1098.73	1116.12		1116.96	0.002399	7.98	3321.6	687.01	0.39
Reach 2	644570	10 - Year	34718	1098.73	1118.92		1120.23	0.003214	10.52	4960.29	767.36	0.47
Reach 2	644570	50 - Year	70899	1098.73	1124.31		1126.09	0.003366	13.1	8464.35	1201.78	0.5
Reach 2	644570	100 - Year	84362	1098.73	1126.14		1128.12	0.003446	14.01	9830.26	1408.95	0.52
Reach 2	644570	500 - Year	125215	1098.73	1132.09		1134.26	0.00307	15.42	17081.38	2960.24	0.51
Reach 2	644188	2 - Year	2426	1102.96	1109.74		1110.05	0.006377	4.6	587.89	406.98	0.46
Reach 2	644188	5 - Year	18848	1102.96	1114.53		1115.46	0.007424	9.22	2890.34	859.61	0.58
Reach 2	644188	10 - Year	34718	1102.96	1117.16		1118.44	0.007329	11.09	4404.38	972.47	0.6
Reach 2	644188	50 - Year	70899	1102.96	1122.78		1124.4	0.005653	12.95	7980.79	1409.97	0.57
Reach 2	644188	100 - Year	84362	1102.96	1124.7		1126.42	0.005328	13.55	9445.1	1621.91	0.56
Reach 2	644188	500 - Year	125215	1102.96	1130.01	1121.95	1132.48	0.005738	16.7	15500.3	2623.09	0.61
Reach 2	643562	2 - Year	2426	1098.24	1104.9		1105.3	0.009241	5.08	477.69	173.94	0.54
Reach 2	643562	5 - Year	18848	1098.24	1110.77		1111.53	0.005448	7.72	3096.56	742.06	0.49
Reach 2	643562	10 - Year	34718	1098.24	1114.33		1115.15	0.003815	8.33	5303.41	1061.59	0.44
Reach 2	643562	50 - Year	70899	1098.24	1121.02		1122	0.002522	9.26	9788.52	1443.54	0.39
Reach 2	643562	100 - Year	84362	1098.24	1123.06		1124.13	0.002417	9.74	11258.65	1599.45	0.38
Reach 2	643562	500 - Year	125215	1098.24	1128.45		1129.88	0.002577	11.8	18354.32	2373.2	0.41
Reach 2	642957	2 - Year	2426	1096.59	1101.64		1101.83	0.003762	3.5	693.41	225.65	0.35
Reach 2	642957	5 - Year	18848	1096.59	1108.08		1108.81	0.003941	6.98	2895.04	599.99	0.43
Reach 2	642957	10 - Year	34718	1096.59	1112.19		1113.14	0.003145	8.14	4709.25	822.35	0.41
Reach 2	642957	50 - Year	70899	1096.59	1119.09		1120.48	0.002659	10.04	8082.58	1308.93	0.4
Reach 2	642957	100 - Year	84362	1096.59	1121.07		1122.63	0.002658	10.71	9141.19	1416.06	0.41
Reach 2	642957	500 - Year	125215	1096.59	1125.79	1115.77	1128.17	0.003142	13.3	12906.09	2216.32	0.46
Reach 2	642517	2 - Year	2426	1095.02	1098.83		1099.13	0.011394	4.41	549.9	290.43	0.57
Reach 2	642517	5 - Year	18848	1095.02	1106.98		1107.44	0.002099	5.51	3523.42	576.77	0.32
Reach 2	642517	10 - Year	34718	1095.02	1111.23		1111.93	0.001961	6.83	5390.92	795.59	0.33
Reach 2	642517	50 - Year	70899	1095.02	1118.23		1119.37	0.001908	8.87	8911.11	1200.44	0.34
Reach 2	642517	100 - Year	84362	1095.02	1120.16		1121.51	0.002001	9.65	10103.86	1416.62	0.36
Reach 2	642517	500 - Year	125215	1095.02	1125.06		1126.71	0.001999	10.99	14578.53	1935.05	0.37
Reach 2	642087	2 - Year	2426	1090.68	1097.57		1097.68	0.001454	2.66	913.04	279.5	0.23
Reach 2	642087	5 - Year	18848	1090.68	1106.16		1106.62	0.001736	5.49	3591.57	797.13	0.29
Reach 2	642087	10 - Year	34718	1090.68	1110.4		1111.12	0.001808	6.98	5417.52	1019.09	0.32
Reach 2	642087	50 - Year	70899	1090.68	1117.36		1118.54	0.001889	9.2	9206.82	1247.74	0.35
Reach 2	642087	100 - Year	84362	1090.68	1119.32		1120.66	0.001931	9.85	10609.98	1355.95	0.35
Reach 2	642087	500 - Year	125215	1090.68	1124.21		1125.85	0.001975	11.27	16859.71	2003.27	0.37
Reach 2	641658	2 - Year	2426	1087.55	1097.06		1097.15	0.001008	2.33	1041.15	288.48	0.19
Reach 2	641658	5 - Year	18848	1087.55	1105.45		1105.9	0.0016	5.37	3565.49	630.87	0.28

Reach 2	641658	10 - Year	34718	1087.55	1109.54		1110.32	0.001855	7.12	5102.82	760.95	0.32
Reach 2	641658	50 - Year	70899	1087.55	1116.18		1117.6	0.002176	9.81	8138.03	1141.53	0.37
Reach 2	641658	100 - Year	84362	1087.55	1118.03		1119.67	0.002271	10.59	9255.23	1263.8	0.38
Reach 2	641658	500 - Year	125215	1087.55	1122.59		1124.75	0.002498	12.48	14427.14	1581.35	0.41
Reach 2	641224	2 - Year	2462	1085.7	1096.49		1096.6	0.001511	2.7	910.49	218.98	0.23
Reach 2	641224	5 - Year	19129	1085.7	1104.72		1105.17	0.001771	5.51	4181.57	764.73	0.3
Reach 2	641224	10 - Year	35028	1085.7	1108.9		1109.39	0.001427	6.16	8006.1	1012.25	0.28
Reach 2	641224	50 - Year	72041	1085.7	1115.71		1116.24	0.001104	6.96	15533.13	1188.76	0.26
Reach 2	641224	100 - Year	85952	1085.7	1117.6		1118.16	0.00108	7.28	17821.19	1226.28	0.26
Reach 2	641224	500 - Year	127126	1085.7	1122.22		1122.89	0.001073	8.17	24193.31	1625.32	0.27
Reach 2	640652	2 - Year	2462	1088	1095.61		1095.72	0.001567	2.69	915.31	228.76	0.24
Reach 2	640652	5 - Year	19129	1088	1103.45		1104	0.002225	5.98	3285.61	378.32	0.33
Reach 2	640652	10 - Year	35028	1088	1107.37		1108.24	0.002341	7.62	5251.99	669.27	0.36
Reach 2	640652	50 - Year	72041	1088	1114.1		1115.22	0.002028	9.19	10327.86	847.13	0.35
Reach 2	640652	100 - Year	85952	1088	1115.94		1117.14	0.002011	9.69	11907.59	872.38	0.36
Reach 2	640652	500 - Year	127126	1088	1120.08		1121.73	0.002285	11.54	15847.94	1831.96	0.39
Reach 2	640236	2 - Year	2461	1090	1093.93		1094.36	0.009785	5.27	466.63	168.02	0.56
Reach 2	640236	5 - Year	19122	1090	1102.36		1102.94	0.002949	6.2	3255.79	454.91	0.37
Reach 2	640236	10 - Year	34974	1090	1106.42		1107.21	0.002497	7.37	5249.27	516.55	0.36
Reach 2	640236	50 - Year	72046	1090	1113.09		1114.31	0.002291	9.34	8904.69	581.58	0.37
Reach 2	640236	100 - Year	85940	1090	1114.79		1116.2	0.002406	10.12	9907.63	602.76	0.39
Reach 2	640236	500 - Year	127141	1090	1118.33		1120.55	0.003108	12.76	12241.97	787.68	0.45
Reach 2	639881	2 - Year	2461	1086	1092.23	1089.82	1092.45	0.003216	3.78	650.76	166.02	0.34
Reach 2	639881	5 - Year	19122	1086	1101.47	1096.16	1102.03	0.002221	6.04	3366.11	405.16	0.33
Reach 2	639881	10 - Year	34974	1086	1105.54	1098.73	1106.37	0.002247	7.57	5114.75	449.31	0.35
Reach 2	639881	50 - Year	72046	1086	1111.99	1103.51	1113.44	0.0025	10.2	8366.91	588.68	0.39
Reach 2	639881	100 - Year	85940	1086	1113.56	1104.89	1115.27	0.002718	11.16	9334.87	648.37	0.41
Reach 2	639881	500 - Year	127141	1086	1116.63	1108.54	1119.31	0.003682	14.16	11698.18	901.33	0.49
Reach 2	639467	2 - Year	2470	1079.12	1091.94	1084.37	1092.01	0.000408	1.98	1246.5	178.07	0.13
Reach 2	639467	5 - Year	19196	1079.12	1100.79	1092.08	1101.25	0.001437	5.5	3743.43	488.67	0.27
Reach 2	639467	10 - Year	35015	1079.12	1104.81	1096.25	1105.52	0.001641	7.07	5924.43	597.74	0.31
Reach 2	639467	50 - Year	72352	1079.12	1111.3	1102.12	1112.39	0.001806	9.25	11188.43	1053.43	0.34
Reach 2	639467	100 - Year	86409	1079.12	1112.87	1103.64	1114.09	0.001903	9.92	12953.53	1187.15	0.35
Reach 2	639467	500 - Year	127696	1079.12	1116	1107.32	1117.58	0.002299	11.8	17072.26	1420.68	0.39
Reach 2	638590	2 - Year	2470	1081.64	1089.73		1090.81	0.01961	8.34	296.11	77.67	0.75
Reach 2	638590	5 - Year	19196	1081.64	1099.4		1099.71	0.002061	4.86	4762.27	758.88	0.28
Reach 2	638590	10 - Year	35015	1081.64	1103.74		1104.08	0.001412	5.23	8294.36	857.74	0.25
Reach 2	638590	50 - Year	72352	1081.64	1110.33		1110.85	0.001367	6.71	14395.51	1489.5	0.26
Reach 2	638590	100 - Year	86409	1081.64	1111.79		1112.42	0.001541	7.47	16846.84	1821.17	0.28
Reach 2	638590	500 - Year	127696	1081.64	1114.83		1115.61	0.001759	8.72	22719.93	2041.36	0.31
Reach 2	637949	2 - Year	2470	1079.48	1088.24		1088.35	0.001346	2.62	941.56	215.35	0.22
Reach 2	637949	5 - Year	19196	1079.48	1098.47		1098.81	0.001031	4.68	4469.7	710.93	0.23
Reach 2	637949	10 - Year	35015	1079.48	1102.89		1103.33	0.001002	5.63	7911.64	835.34	0.24
Reach 2	637949	50 - Year	72352	1079.48	1109.47		1110.1	0.001049	7.16	13920.53	1049.66	0.26
Reach 2	637949	100 - Year	86409	1079.48	1110.85		1111.58	0.001162	7.82	15946.16	1764.97	0.28
Reach 2	637949	500 - Year	127696	1079.48	1113.4		1114.51	0.001645	9.92	20820.78	2091.87	0.33
Reach 2	637102	2 - Year	2467	1075.42	1087.24		1087.35	0.001029	2.73	903.62	159.42	0.2
Reach 2	637102	5 - Year	19168	1075.42	1097.17		1097.7	0.001636	5.95	3579.98	502.12	0.29
Reach 2	637102	10 - Year	34867	1075.42	1101.56		1102.26	0.001605	7.17	6485.73	785.69	0.3
Reach 2	637102	50 - Year	72293	1075.42	1108.12		1109.03	0.001599	8.87	12829.56	1383.19	0.32
Reach 2	637102	100 - Year	86347	1075.42	1109.4		1110.42	0.00173	9.56	14716.56	1563.58	0.34
Reach 2	637102	500 - Year	127673	1075.42	1111.25		1112.82	0.002578	12.23	18806.68	2673.59	0.42

Reach 2	636532	2 - Year	2523	1076	1086.69		1086.79	0.00094	2.55	988.53	180.94	0.19
Reach 2	636532	5 - Year	19600	1076	1096.37		1096.83	0.001376	5.76	4313.61	604.82	0.27
Reach 2	636532	10 - Year	35518	1076	1100.88		1101.41	0.001247	6.61	8390.03	1135.54	0.27
Reach 2	636532	50 - Year	74087	1076	1107.6		1108.16	0.001132	7.75	21893.02	3739.02	0.27
Reach 2	636532	100 - Year	88612	1076	1109		1109.51	0.001051	7.74	27391.54	4164.59	0.26
Reach 2	636532	500 - Year	130242	1076	1110.99		1111.54	0.001214	8.73	35976.8	4533.66	0.29
Reach 2	635857	2 - Year	2523	1075.68	1086	1081.11	1086.11	0.00107	2.7	937.35	250.74	0.21
Reach 2	635857	5 - Year	19600	1075.68	1095.51	1088.31	1095.92	0.001286	5.6	4595.62	567.91	0.26
Reach 2	635857	10 - Year	35518	1075.68	1100.05	1091.24	1100.56	0.001259	6.68	8028.85	916.51	0.27
Reach 2	635857	50 - Year	74087	1075.68	1106.31	1095.78	1107.21	0.001679	9.36	17261.5	3822.82	0.33
Reach 2	635857	100 - Year	88612	1075.68	1107.99	1098.41	1108.68	0.001377	8.86	23551.31	4786.6	0.3
Reach 2	635857	500 - Year	130242	1075.68	1109.95	1101.75	1110.63	0.001494	9.68	34417.25	5123.89	0.32
Reach 2	635157	2 - Year	2523	1076.66	1085.04	1081.43	1085.17	0.001738	2.91	866.09	207.5	0.25
Reach 2	635157	5 - Year	19600	1076.66	1094.46	1087.49	1094.94	0.001516	5.75	3833.34	425.21	0.28
Reach 2	635157	10 - Year	35518	1076.66	1098.83	1090.58	1099.55	0.00162	7.23	5953.92	563.43	0.31
Reach 2	635157	50 - Year	74087	1076.66	1104.9	1095.79	1105.95	0.001875	9.51	14931.39	3675.08	0.35
Reach 2	635157	100 - Year	88612	1076.66	1107.08	1097.38	1107.75	0.001282	8.35	22650.31	4888.19	0.29
Reach 2	635157	500 - Year	130242	1076.66	1109.08	1099.94	1109.66	0.001225	8.58	34208.56	5022.43	0.29
Reach 2	634571	2 - Year	2523	1072.9	1083.68	1079.59	1083.93	0.002556	4.08	619.06	118.09	0.31
Reach 2	634571	5 - Year	19600	1072.9	1093.44	1088.16	1093.95	0.001882	6.31	3853.87	449.03	0.31
Reach 2	634571	10 - Year	35518	1072.9	1097.84	1090.84	1098.53	0.001829	7.59	6061.28	556.77	0.32
Reach 2	634571	50 - Year	74087	1072.9	1103.22	1095.23	1104.59	0.002803	11.28	10110.78	2230.08	0.42
Reach 2	634571	100 - Year	88612	1072.9	1104.68	1096.69	1106.47	0.003456	13.07	13975.25	3402.27	0.47
Reach 2	634571	500 - Year	130242	1072.9	1106.74	1100	1108.41	0.003504	13.9	20288.53	4137.21	0.48
Reach 2	633910	2 - Year	2523	1074	1082.42	1078.65	1082.58	0.00161	3.18	792.37	156.09	0.25
Reach 2	633910	5 - Year	19600	1074	1092.7	1086.13	1093.03	0.001056	5.28	5009.63	590.93	0.24
Reach 2	633910	10 - Year	35518	1074	1097.18	1088.54	1097.6	0.001059	6.3	8174.89	819.97	0.25
Reach 2	633910	50 - Year	74087	1074	1102.33	1092.82	1103.09	0.001635	9.15	14391.67	3149.9	0.33
Reach 2	633910	100 - Year	88612	1074	1103.44	1094.35	1104.51	0.002219	10.98	17526.02	4064.34	0.38
Reach 2	633910	500 - Year	130242	1074	1105.91	1097.58	1106.63	0.00175	10.37	31269.42	4796.09	0.34
Reach 2	633228	2 - Year	2523	1070	1081.2	1076.8	1081.37	0.001964	3.3	764.86	163.65	0.27
Reach 2	633228	5 - Year	19600	1070	1092	1084.52	1092.33	0.001035	5.16	5141.57	642.44	0.24
Reach 2	633228	10 - Year	35518	1070	1096.51	1087.62	1096.91	0.001022	6.13	8599.73	945.84	0.25
Reach 2	633228	50 - Year	74087	1070	1101.27	1092.29	1102.03	0.001648	9.01	16402.22	2830.3	0.32
Reach 2	633228	100 - Year	88612	1070	1102.52	1093.7	1103.22	0.001562	9.08	20892.52	3930.96	0.32
Reach 2	633228	500 - Year	130242	1070	1104.9	1096.61	1105.56	0.001556	9.62	31368.29	4851.39	0.32
Reach 2	632542	2 - Year	2533	1068	1080.32	1073.06	1080.41	0.001002	2.4	1056.9	172.15	0.17
Reach 2	632542	5 - Year	19681	1068	1091	1081.64	1091.47	0.001598	5.9	4226.83	595.47	0.25
Reach 2	632542	10 - Year	35151	1068	1095.61	1085.3	1096.12	0.001465	6.65	7617.95	1158.99	0.25
Reach 2	632542	50 - Year	74878	1068	1100.53	1092.99	1100.99	0.001394	7.44	19808.8	3265.43	0.26
Reach 2	632542	100 - Year	89412	1068	1101.86	1094.91	1102.26	0.001246	7.27	24231.38	3374.6	0.24
Reach 2	632542	500 - Year	131007	1068	1104.09	1099.23	1104.56	0.0015	8.4	32565.83	4176.98	0.27
Reach 2	631912	2 - Year	2533	1070	1079.41		1079.54	0.002045	2.88	879.02	185.72	0.23
Reach 2	631912	5 - Year	19681	1070	1089.7		1090.3	0.002193	6.38	3458.29	381.88	0.29
Reach 2	631912	10 - Year	35151	1070	1094.37		1095.05	0.002021	7.35	6615.48	1091.19	0.29
Reach 2	631912	50 - Year	74878	1070	1099.16		1099.92	0.002179	8.84	15064.41	2281.71	0.32
Reach 2	631912	100 - Year	89412	1070	1100.34		1101.19	0.002446	9.66	18229.85	3074.8	0.34
Reach 2	631912	500 - Year	131007	1070	1102.57		1103.38	0.002438	10.2	25461.26	3461.9	0.34
Reach 2	631207	2 - Year	2533	1066	1078.65		1078.72	0.000716	2.14	1180.89	177.68	0.15
Reach 2	631207	5 - Year	19681	1066	1088.27		1088.85	0.001926	6.25	3386.15	310.56	0.28
Reach 2	631207	10 - Year	35151	1066	1092.87		1093.63	0.002014	7.58	6500.43	1324.62	0.3
Reach 2	631207	50 - Year	74878	1066	1097.92		1098.54	0.001715	8.11	16191.68	2110.23	0.28
Reach 2	631207	100 - Year	89412	1066	1098.8		1099.58	0.002151	9.29	18701.22	2968.75	0.32

Reach 2	631207	500 - Year	131007	1066	1100.97		1101.76	0.002241	10	25420.2	3275.12	0.33
Reach 2	630594	2 - Year	2533	1068	1078.12		1078.19	0.001062	2.17	1165.76	265.29	0.18
Reach 2	630594	5 - Year	19681	1068	1087.45		1087.83	0.001298	5.11	4246.7	430.62	0.24
Reach 2	630594	10 - Year	35151	1068	1092.02		1092.57	0.001347	6.3	7180.82	1132.34	0.26
Reach 2	630594	50 - Year	74878	1068	1096.57		1097.41	0.0019	8.67	15376.16	2747.79	0.32
Reach 2	630594	100 - Year	89412	1068	1097.4		1098.29	0.00204	9.21	17685.19	2805	0.33
Reach 2	630594	500 - Year	131007	1068	1099.28		1100.32	0.002418	10.54	23121.48	2993.25	0.37
Reach 2	630102	2 - Year	2533	1068	1077		1077.25	0.004179	4.05	626.12	175.91	0.38
Reach 2	630102	5 - Year	19681	1068	1086.36		1086.99	0.00219	6.58	3318.46	407.94	0.34
Reach 2	630102	10 - Year	35151	1068	1090.92		1091.74	0.002008	7.81	6005.68	912.03	0.34
Reach 2	630102	50 - Year	74878	1068	1095.32		1096.36	0.002387	9.97	14650.82	3258.72	0.38
Reach 2	630102	100 - Year	89412	1068	1096.12		1097.18	0.002493	10.45	17344.47	3633.11	0.4
Reach 2	630102	500 - Year	131007	1068	1098.12		1099.12	0.002476	11.04	24935.7	4041.16	0.4
Reach 2	629617	2 - Year	2533	1066	1075.32		1075.57	0.002904	3.97	638.43	140.23	0.33
Reach 2	629617	5 - Year	19681	1066	1085.37		1085.98	0.001963	6.92	3538.26	403.94	0.33
Reach 2	629617	10 - Year	35151	1066	1089.97		1090.77	0.001974	8.38	6433.71	1070.39	0.34
Reach 2	629617	50 - Year	74878	1066	1094.22		1095.17	0.002396	10.59	15971.51	3059.64	0.39
Reach 2	629617	100 - Year	89412	1066	1094.95		1095.93	0.002548	11.15	18293.65	3277.97	0.4
Reach 2	629617	500 - Year	131007	1066	1096.7		1097.8	0.002929	12.54	24914.19	4429.51	0.44
Reach 2	628878	2 - Year	2533	1062.51	1072.21		1072.66	0.005361	5.37	471.72	85.22	0.4
Reach 2	628878	5 - Year	19681	1062.51	1083.88		1084.42	0.002797	6.96	3791.75	545.04	0.33
Reach 2	628878	10 - Year	35151	1062.51	1088.92		1089.38	0.001872	7	8455.82	1676.66	0.28
Reach 2	628878	50 - Year	74878	1062.51	1093.14		1093.56	0.001937	8.14	21397.69	4368.65	0.3
Reach 2	628878	100 - Year	89412	1062.51	1093.86		1094.27	0.001954	8.35	24618.27	4595.61	0.3
Reach 2	628878	500 - Year	131007	1062.51	1095.57		1096	0.002029	8.9	32838.87	4973.64	0.31
Reach 2	628092	2 - Year	2533	1060.17	1070.9	1065.38	1071.01	0.000955	2.67	948.5	142.64	0.18
Reach 2	628092	5 - Year	19681	1060.17	1082	1072.87	1082.67	0.00183	6.7	3205.15	436.93	0.29
Reach 2	628092	10 - Year	35151	1060.17	1086.87	1076.76	1087.78	0.001957	8.25	6036.76	1254.47	0.32
Reach 2	628092	50 - Year	74878	1060.17	1091.16	1084.35	1091.96	0.001999	9.43	20325.02	4902.72	0.33
Reach 2	628092	100 - Year	89412	1060.17	1091.97	1087.96	1092.7	0.00196	9.54	24383.85	5082.89	0.33
Reach 2	628092	500 - Year	131007	1060.17	1093.85	1091.66	1094.48	0.001876	9.77	34210.41	5328.34	0.32
Reach 2	627385	2 - Year	2533	1058.06	1070.38	1062.33	1070.44	0.0006	1.94	1317.67	263.25	0.14
Reach 2	627385	5 - Year	19681	1058.06	1081.24	1070.93	1081.53	0.000834	4.52	5158.56	637.25	0.2
Reach 2	627385	10 - Year	35151	1058.06	1085.99	1073.84	1086.46	0.001009	5.9	8130.66	1884.93	0.23
Reach 2	627385	50 - Year	74878	1058.06	1090.37	1079.58	1090.7	0.000863	6.19	26243.87	4458.91	0.22
Reach 2	627385	100 - Year	89412	1058.06	1091.14	1081.3	1091.48	0.000915	6.5	29716.23	4508.81	0.22
Reach 2	627385	500 - Year	131007	1058.06	1092.93	1088.23	1093.31	0.001059	7.31	37903.54	4658.85	0.24
Reach 2	626610	2 - Year	2533	1056.54	1069.76	1061.64	1069.87	0.00085	2.73	929.09	139.78	0.19
Reach 2	626610	5 - Year	19681	1056.54	1079.89	1072.08	1080.53	0.001702	6.64	3390.08	457.96	0.3
Reach 2	626610	10 - Year	35151	1056.54	1084.27	1075.68	1085.25	0.001973	8.48	4963.85	1603.79	0.34
Reach 2	626610	50 - Year	74878	1056.54	1089.43	1082.21	1089.93	0.001247	7.9	22125.9	3994.41	0.28
Reach 2	626610	100 - Year	89412	1056.54	1090.18	1083.9	1090.69	0.001306	8.24	25150.17	4069.37	0.29
Reach 2	626610	500 - Year	131007	1056.54	1091.86	1088.93	1092.42	0.001507	9.24	32102.52	4238.29	0.31
Reach 2	626000	2 - Year	2533	1057.27	1068.94		1069.11	0.001945	3.36	753.27	156.05	0.27
Reach 2	626000	5 - Year	19681	1057.27	1078.9		1079.46	0.001724	6.32	3604.53	366.66	0.3
Reach 2	626000	10 - Year	35151	1057.27	1083.09		1083.99	0.002048	8.24	5375.98	515.19	0.34
Reach 2	626000	50 - Year	74878	1057.27	1087.65		1088.8	0.002534	10.67	16175.29	4192.31	0.4
Reach 2	626000	100 - Year	89412	1057.27	1088.4		1089.52	0.0026	11.05	19494.79	4627.74	0.41
Reach 2	626000	500 - Year	131007	1057.27	1090.36		1091.24	0.002321	11.03	28873.35	4986.71	0.39
Reach 2	625310	2 - Year	2597	1055.92	1067.37	1063.04	1067.66	0.002268	4.3	604.14	95.87	0.3
Reach 2	625310	5 - Year	20175	1055.92	1076.84	1073.97	1077.87	0.003326	9.3	3203.63	488.24	0.42
Reach 2	625310	10 - Year	35652	1055.92	1081.31	1076.7	1082.41	0.002903	10.33	5489.55	1178.82	0.41

Reach 2	625310	50 - Year	77391	1055.92	1086.77	1081.18	1087.32	0.001849	9.71	23110.4	4536.61	0.34
Reach 2	625310	100 - Year	92046	1055.92	1087.57	1085.57	1088.07	0.001761	9.68	26763.7	4566.69	0.34
Reach 2	625310	500 - Year	133858	1055.92	1089.56	1085.99	1090	0.001606	9.71	35928.86	4626.12	0.32
Reach 2	624619	2 - Year	2597	1055.1	1066.69	1060.61	1066.8	0.000706	2.6	1002.39	150.23	0.17
Reach 2	624619	5 - Year	20175	1055.1	1074.98	1068.33	1075.93	0.002486	8.22	3081.14	423.16	0.37
Reach 2	624619	10 - Year	35652	1055.1	1079.3	1073.6	1080.58	0.002647	10.01	4850.68	1017.72	0.4
Reach 2	624619	50 - Year	77391	1055.1	1085.4	1079.06	1086.16	0.0018	9.89	20688.19	4037.37	0.34
Reach 2	624619	100 - Year	92046	1055.1	1086.26	1084.56	1086.97	0.001758	9.99	24186.29	4099.93	0.34
Reach 2	624619	500 - Year	133858	1055.1	1088.37	1085.66	1088.99	0.001666	10.24	32970.71	4217.05	0.34
Reach 2	623954	2 - Year	2597	1054.76	1066.51	1057.88	1066.55	0.000203	1.59	1644.04	206.06	0.1
Reach 2	623954	5 - Year	20175	1054.76	1074.05	1064.97	1074.63	0.001353	6.27	3507.61	322.82	0.28
Reach 2	623954	10 - Year	35652	1054.76	1077.98	1068.36	1079.05	0.001897	8.59	4904.51	658.05	0.34
Reach 2	623954	50 - Year	77391	1054.76	1083.42	1075.71	1084.79	0.002298	11.11	15448.21	3718.08	0.39
Reach 2	623954	100 - Year	92046	1054.76	1084.47	1077.83	1085.67	0.002158	11.06	19376.15	3795.47	0.38
Reach 2	623954	500 - Year	133858	1054.76	1086.86	1084.72	1087.82	0.001932	11.08	28637.96	3939.47	0.36
Reach 2	623463	2 - Year	2597	1056.92	1066.32	1060.46	1066.39	0.000576	2.08	1247.18	222	0.15
Reach 2	623463	5 - Year	20175	1056.92	1073	1067.13	1073.75	0.002414	7.12	3127.95	343.72	0.35
Reach 2	623463	10 - Year	35652	1056.92	1076.66	1070.14	1077.89	0.002929	9.3	4569.21	718.38	0.41
Reach 2	623463	50 - Year	77391	1056.92	1082.36	1076.48	1083.55	0.002589	10.7	15597.12	3472.62	0.4
Reach 2	623463	100 - Year	92046	1056.92	1083.54	1078.18	1084.53	0.00226	10.35	19765.32	3560.4	0.38
Reach 2	623463	500 - Year	133858	1056.92	1086.03	1083.34	1086.82	0.001957	10.31	28819.77	3726.54	0.36
Reach 2	623006	2 - Year	2597	1058.92	1065.82	1063.3	1065.92	0.002278	2.52	1028.94	375.13	0.27
Reach 2	623006	5 - Year	20175	1058.92	1072.1	1067.58	1072.58	0.002358	5.61	3720.85	575.98	0.33
Reach 2	623006	10 - Year	35652	1058.92	1075.89	1069.56	1076.59	0.002181	6.84	5623.03	737.94	0.34
Reach 2	623006	50 - Year	77391	1058.92	1081.84	1073.71	1082.51	0.001618	7.61	17809.9	3238.41	0.31
Reach 2	623006	100 - Year	92046	1058.92	1083	1075.41	1083.63	0.001523	7.69	21650.3	3360.26	0.3
Reach 2	623006	500 - Year	133858	1058.92	1085.42	1081.14	1086.05	0.001499	8.24	30042.25	3616.7	0.31
Reach 2	622658	2 - Year	2597	1060.18	1064.91	1063.28	1065.01	0.002993	2.61	996.38	428.1	0.3
Reach 2	622658	5 - Year	20175	1060.18	1071.35	1066.71	1071.79	0.002144	5.32	3894.59	628.29	0.32
Reach 2	622658	10 - Year	35652	1060.18	1075.22	1068.61	1075.85	0.001942	6.46	5798.36	731.81	0.32
Reach 2	622658	50 - Year	77391	1060.18	1081.29	1072.62	1081.96	0.001532	7.45	17237.34	2946.01	0.3
Reach 2	622658	100 - Year	92046	1060.18	1082.42	1073.86	1083.09	0.001512	7.7	20762.55	3333.13	0.3
Reach 2	622658	500 - Year	133858	1060.18	1084.84	1078.23	1085.52	0.001514	8.31	29439.53	3793.66	0.31
Reach 2	622314	2 - Year	2597	1056.74	1061.85	1061.59	1062.56	0.030653	6.77	383.7	195.66	0.85
Reach 2	622314	5 - Year	20175	1056.74	1070.34		1070.88	0.003205	5.98	3523.36	461.53	0.35
Reach 2	622314	10 - Year	35652	1056.74	1074.33		1075.06	0.002696	7.03	5470.05	517.81	0.35
Reach 2	622314	50 - Year	77391	1056.74	1080.06		1081.2	0.002914	9.35	12922.71	2838	0.38
Reach 2	622314	100 - Year	92046	1056.74	1081.38		1082.39	0.002594	9.23	17026.59	3311.32	0.36
Reach 2	622314	500 - Year	133858	1056.74	1083.97		1084.86	0.002343	9.52	26445.04	4039.46	0.35
Reach 2	621987	2 - Year	2597	1052.41	1060.46		1060.63	0.002163	3.31	788.3	172.1	0.26
Reach 2	621987	5 - Year	20175	1052.41	1069.15		1069.88	0.002855	7.48	3511.79	487.21	0.36
Reach 2	621987	10 - Year	35652	1052.41	1073.33		1074.18	0.002624	8.57	6115.17	778.47	0.36
Reach 2	621987	50 - Year	77391	1052.41	1079.51		1080.26	0.002225	9.63	18218.37	3131.77	0.35
Reach 2	621987	100 - Year	92046	1052.41	1080.94		1081.56	0.001898	9.25	23188.65	3685.74	0.32
Reach 2	621987	500 - Year	133858	1052.41	1083.64		1084.13	0.00155	8.94	33559.65	3982.8	0.3
Reach 2	621677	2 - Year	2597	1052.64	1059.51		1059.74	0.003906	3.92	673.44	191.6	0.34
Reach 2	621677	5 - Year	20175	1052.64	1068.53		1069.04	0.002273	6.54	4139.77	583.45	0.32
Reach 2	621677	10 - Year	35652	1052.64	1072.83		1073.41	0.002023	7.45	7414.48	1166.81	0.32
Reach 2	621677	50 - Year	77391	1052.64	1079.2		1079.62	0.001428	7.71	22676.27	3216.71	0.28
Reach 2	621677	100 - Year	92046	1052.64	1080.63		1081.01	0.001279	7.59	27948.63	3837.59	0.27
Reach 2	621677	500 - Year	133858	1052.64	1083.34		1083.68	0.001141	7.67	38756.29	4117.07	0.26
Reach 2	621307	2 - Year	2597	1051.06	1058.74		1058.85	0.001531	2.73	978.62	228.76	0.22

Reach 2	621307	5 - Year	20175	1051.06	1067.68		1068.25	0.002063	6.41	3672.73	375.26	0.31
Reach 2	621307	10 - Year	35652	1051.06	1071.87		1072.64	0.00213	7.79	6132.63	693.54	0.32
Reach 2	621307	50 - Year	77391	1051.06	1078.06		1078.94	0.002153	9.55	16815.08	2734.54	0.34
Reach 2	621307	100 - Year	92046	1051.06	1079.65		1080.4	0.001886	9.32	21633.81	3461.32	0.32
Reach 2	621307	500 - Year	133858	1051.06	1082.61		1083.18	0.00151	8.97	32210.28	3692.11	0.3
Reach 2	621001	2 - Year	2597	1046.64	1058.48		1058.56	0.000596	2.27	1180.78	192.22	0.15
Reach 2	621001	5 - Year	20175	1046.64	1067.07		1067.65	0.001845	6.69	4072.56	573.85	0.3
Reach 2	621001	10 - Year	35652	1046.64	1071.31		1072	0.001834	7.81	7114.98	898.84	0.31
Reach 2	621001	50 - Year	77391	1046.64	1077.63		1078.24	0.001622	8.8	20139.37	3002.72	0.3
Reach 2	621001	100 - Year	92046	1046.64	1079.27		1079.79	0.001426	8.59	25635.59	3821.78	0.29
Reach 2	621001	500 - Year	133858	1046.64	1082.3		1082.7	0.001118	8.14	37458.12	3977.59	0.26
Reach 2	620481	2 - Year	2597	1051.03	1057.27		1057.68	0.00835	5.17	501.85	144.36	0.49
Reach 2	620481	5 - Year	20175	1051.03	1065.77		1066.39	0.003356	7.24	3764.59	567.04	0.38
Reach 2	620481	10 - Year	35652	1051.03	1070.25		1070.9	0.002486	7.77	6611.84	743.64	0.34
Reach 2	620481	50 - Year	77391	1051.03	1076.75		1077.3	0.001877	8.49	18570.58	2749.27	0.32
Reach 2	620481	100 - Year	92046	1051.03	1078.49		1078.98	0.001619	8.29	23800.29	3390.91	0.3
Reach 2	620481	500 - Year	133858	1051.03	1081.71		1082.09	0.001225	7.84	34922.41	3528.26	0.26
Reach 2	619966	2 - Year	2597	1049.49	1055.97		1056.07	0.001407	2.46	1058.56	251.52	0.21
Reach 2	619966	5 - Year	20175	1049.49	1064.8		1065.18	0.00149	5.31	4759.01	602.35	0.26
Reach 2	619966	10 - Year	35652	1049.49	1069.42		1069.89	0.001366	6.22	8341.33	1026.32	0.26
Reach 2	619966	50 - Year	77391	1049.49	1075.98		1076.52	0.001275	7.4	18268.25	2083.1	0.26
Reach 2	619966	100 - Year	92046	1049.49	1077.77		1078.28	0.00117	7.44	22624.49	2830.38	0.26
Reach 2	619966	500 - Year	133858	1049.49	1080.94		1081.45	0.001154	7.97	32323.17	3168.98	0.26
Reach 2	619245	2 - Year	2597	1048	1053.1		1053.59	0.01438	5.62	464.38	206.71	0.61
Reach 2	619245	5 - Year	20175	1048	1063.51		1063.96	0.001954	6.02	4206.91	430.13	0.29
Reach 2	619245	10 - Year	35652	1048	1068.07		1068.71	0.001977	7.4	6603.45	701.14	0.31
Reach 2	619245	50 - Year	77391	1048	1074.61		1075.4	0.002011	9.22	15378.15	2007.79	0.33
Reach 2	619245	100 - Year	92046	1048	1076.55		1077.29	0.001821	9.25	19735.61	2699.53	0.32
Reach 2	619245	500 - Year	133858	1048	1080.06		1080.66	0.001478	9.06	29600.24	2909.06	0.29
Reach 2	618688	2 - Year	2597	1039.08	1052.97		1053.01	0.0002	1.58	1653.82	203.87	0.09
Reach 2	618688	5 - Year	20175	1039.08	1062.88		1063.29	0.000806	5.28	4407.67	369.86	0.22
Reach 2	618688	10 - Year	35652	1039.08	1067.14		1067.87	0.001156	7.25	6425.86	627.65	0.27
Reach 2	618688	50 - Year	77391	1039.08	1073.02		1074.28	0.001736	10.36	12536.14	1327.9	0.34
Reach 2	618688	100 - Year	92046	1039.08	1074.9		1076.19	0.001738	10.81	15455.08	1709.9	0.34
Reach 2	618688	500 - Year	133858	1039.08	1078.1		1079.54	0.001944	12.22	22730.06	2590.33	0.37
Reach 2	618147	2 - Year	2597	1038.32	1052.86		1052.91	0.000163	1.74	1527.2	166.41	0.09
Reach 2	618147	5 - Year	20175	1038.32	1062.05		1062.7	0.001146	6.8	3917.35	443.53	0.26
Reach 2	618147	10 - Year	35652	1038.32	1066.07		1067.07	0.001559	8.92	6363.14	772.25	0.32
Reach 2	618147	50 - Year	77391	1038.32	1071.36		1073.05	0.002467	12.77	11416.39	1146.5	0.41
Reach 2	618147	100 - Year	92046	1038.32	1073.08		1074.9	0.002604	13.61	13621.81	1435.6	0.43
Reach 2	618147	500 - Year	133858	1038.32	1075.66		1077.96	0.003279	16.09	17837.44	1760.56	0.48
Reach 2	617734	2 - Year	2597	1038.57	1052.83		1052.85	0.000084	1.36	1978.37	171.94	0.07
Reach 2	617734	5 - Year	20175	1038.57	1061.78		1062.26	0.000779	5.83	4410.72	474.78	0.22
Reach 2	617734	10 - Year	35652	1038.57	1065.68		1066.47	0.001132	7.83	7199.97	959.73	0.27
Reach 2	617734	50 - Year	77391	1038.57	1070.77		1072.07	0.001804	11.13	12724.44	1220.9	0.35
Reach 2	617734	100 - Year	92046	1038.57	1072.28		1073.87	0.002125	12.47	14993.35	1849.6	0.38
Reach 2	617734	500 - Year	133858	1038.57	1074.61		1076.65	0.002752	14.86	19849.02	2390.98	0.44
Reach 2	617231	2 - Year	2597	1040.11	1052.74		1052.79	0.000191	1.8	1464.65	146.55	0.1
Reach 2	617231	5 - Year	20175	1040.11	1061.06		1061.74	0.001361	7.01	3743.66	453.75	0.28
Reach 2	617231	10 - Year	35652	1040.11	1064.72		1065.74	0.001819	9.1	6297.1	1184.02	0.33
Reach 2	617231	50 - Year	77391	1040.11	1069.96		1071.07	0.002032	11.03	13042.23	1396.34	0.37
Reach 2	617231	100 - Year	92046	1040.11	1071.44		1072.68	0.002246	12.01	16129.14	2164.11	0.39
Reach 2	617231	500 - Year	133858	1040.11	1073.88		1075.16	0.002377	13.02	21636.2	2330.77	0.4

Reach 2	616848	2 - Year	2597	1040.81	1052.57		1052.67	0.000595	2.58	1073.44	169.22	0.16
Reach 2	616848	5 - Year	20175	1040.81	1060.14		1061.02	0.002513	8.32	3302.9	457.86	0.37
Reach 2	616848	10 - Year	35652	1040.81	1063.53		1064.81	0.003107	10.57	5063.6	608.46	0.43
Reach 2	616848	50 - Year	77391	1040.81	1069.1		1070.18	0.002599	11.5	13087.32	1779.98	0.41
Reach 2	616848	100 - Year	92046	1040.81	1070.44		1071.7	0.002952	12.7	15884.61	2464.83	0.44
Reach 2	616848	500 - Year	133858	1040.81	1073.04		1074.15	0.00265	12.83	22533.89	2682.78	0.43
Reach 2	616347	2 - Year	2597	1039.06	1052.4		1052.46	0.000271	2.02	1352.1	171.7	0.11
Reach 2	616347	5 - Year	20175	1039.06	1059.08		1059.87	0.002026	7.8	3507.62	467.65	0.34
Reach 2	616347	10 - Year	35652	1039.06	1062.05		1063.32	0.002855	10.34	5138.97	657.07	0.41
Reach 2	616347	50 - Year	77391	1039.06	1067.84		1068.93	0.002423	11.33	13835.67	1959.57	0.4
Reach 2	616347	100 - Year	92046	1039.06	1068.8		1070.19	0.003065	13.07	16495.04	2951.84	0.45
Reach 2	616347	500 - Year	133858	1039.06	1072.13		1072.93	0.001942	11.27	26893.82	3205.97	0.37
Reach 2	615823	2 - Year	2597	1037.48	1052.32		1052.35	0.000136	1.43	1926.73	263.54	0.08
Reach 2	615823	5 - Year	20175	1037.48	1058.45		1058.95	0.00127	6.05	4209.23	509.19	0.27
Reach 2	615823	10 - Year	35652	1037.48	1061.02		1061.95	0.00206	8.51	5716.37	668.32	0.35
Reach 2	615823	50 - Year	77391	1037.48	1066.56		1067.69	0.002283	10.68	14679.33	2437.18	0.38
Reach 2	615823	100 - Year	92046	1037.48	1067.55		1068.72	0.002396	11.24	17214.24	2729.58	0.4
Reach 2	615823	500 - Year	133858	1037.48	1071.31		1072.01	0.00152	9.83	29587.31	3589.24	0.32
Reach 2	615425	2 - Year	2597	1042.86	1052.24		1052.28	0.000281	1.64	1694.88	303.16	0.11
Reach 2	615425	5 - Year	20175	1042.86	1057.81		1058.34	0.001871	6.29	4016.51	572.92	0.31
Reach 2	615425	10 - Year	35652	1042.86	1059.98		1060.97	0.002948	8.79	5419.56	710.64	0.4
Reach 2	615425	50 - Year	77391	1042.86	1065.04		1066.51	0.003582	11.8	13070.66	2809.78	0.47
Reach 2	615425	100 - Year	92046	1042.86	1066.57		1067.64	0.002746	10.86	17581.32	3106.65	0.41
Reach 2	615425	500 - Year	133858	1042.86	1070.87		1071.37	0.001313	8.49	32389.29	3748.74	0.3
Reach 2	614845	2 - Year	2597	1044.03	1051.73	1050.1	1051.88	0.003431	3.22	957.04	502.88	0.31
Reach 2	614845	5 - Year	20175	1044.03	1056.5	1053.62	1056.87	0.003637	5.99	4702.93	927.43	0.37
Reach 2	614845	10 - Year	35652	1044.03	1058.22		1058.82	0.004665	7.71	6318.5	955.06	0.43
Reach 2	614845	50 - Year	77391	1044.03	1062.93		1063.95	0.005573	10.95	12421.4	2161.86	0.51
Reach 2	614845	100 - Year	92046	1044.03	1064.84		1065.7	0.004501	10.69	18216.01	3918.33	0.46
Reach 2	614845	500 - Year	133858	1044.03	1070.47		1070.7	0.000958	6	41949.2	4445.93	0.23
Reach 2	614305	2 - Year	2597	1042.05	1046.32	1046.32	1047.28	0.042606	7.83	331.72	174.78	1
Reach 2	614305	5 - Year	20175	1042.05	1051.15	1051.15	1053	0.02035	11.8	2110.15	586.01	0.84
Reach 2	614305	10 - Year	35652	1042.05	1055.1		1056.01	0.006487	9.29	5927.55	1357.16	0.52
Reach 2	614305	50 - Year	77391	1042.05	1061.51		1062.02	0.002347	7.76	16197.83	1904.4	0.34
Reach 2	614305	100 - Year	92046	1042.05	1063.65		1064.1	0.002037	7.84	22153.27	3318.57	0.32
Reach 2	614305	500 - Year	133858	1042.05	1070.15		1070.32	0.00057	5.06	46458.41	3826.34	0.18
Reach 2	614060	2 - Year	2597	1039.03	1043.3	1041.37	1043.43	0.002293	2.95	1000.12	501.96	0.28
Reach 2	614060	5 - Year	20175	1039.03	1050.64	1045.35	1050.93	0.001409	4.95	5053.63	564.15	0.27
Reach 2	614060	10 - Year	35652	1039.03	1054.77	1047.14	1055.19	0.001312	5.93	7397.82	570.52	0.27
Reach 2	614060	50 - Year	77391	1039.03	1060.47	1050.65	1061.41	0.001921	8.9	10672.22	579.3	0.35
Reach 2	614060	100 - Year	92046	1039.03	1062.23	1051.7	1063.4	0.002149	9.94	11706.56	641.19	0.37
Reach 2	614060	500 - Year	133858	1039.03	1069.34	1054.46	1070	0.001199	8.93	31991.33	3726.99	0.29
Reach 2	613875		Bridge									
Reach 2	613652	2 - Year	2597	1038.4	1042.25		1042.36	0.001835	2.72	996.27	377.39	0.27
Reach 2	613652	5 - Year	20175	1038.4	1049.85		1050.19	0.001223	5.05	4713.09	522.53	0.27
Reach 2	613652	10 - Year	35652	1038.4	1053.91		1054.41	0.001194	6.18	6878.93	544.72	0.28
Reach 2	613652	50 - Year	77391	1038.4	1058.77		1059.99	0.002031	9.75	9591.28	571.28	0.39
Reach 2	613652	100 - Year	92046	1038.4	1060.42		1061.85	0.002152	10.59	10543.69	580.32	0.4
Reach 2	613652	500 - Year	133858	1038.4	1063.85	1054.34	1066.42	0.00324	14.35	17206.67	3358.08	0.51
Reach 2	613424	2 - Year	2597	1034.36	1041.24		1041.57	0.006258	5.14	706.47	349.75	0.54
Reach 2	613424	5 - Year	20175	1034.36	1049.42		1049.83	0.001699	6.28	4804.56	631.49	0.35

Reach 2	613424	10 - Year	35652	1034.36	1053.54		1054.08	0.001523	7.49	7809.35	808.83	0.35
Reach 2	613424	50 - Year	77391	1034.36	1058.3		1059.39	0.002231	11	12510.6	1237.45	0.45
Reach 2	613424	100 - Year	92046	1034.36	1059.98		1061.11	0.002139	11.4	14794.55	1800.31	0.44
Reach 2	613424	500 - Year	133858	1034.36	1063.58		1064.62	0.001854	11.82	25952.03	3639.54	0.42
Reach 2	613049	2 - Year	2609	1033.69	1039.04	1037.43	1039.54	0.004968	5.68	459.09	119.42	0.51
Reach 2	613049	5 - Year	20273	1033.69	1048.37	1044.89	1049.08	0.002461	7.06	3469.72	545.54	0.41
Reach 2	613049	10 - Year	35468	1033.69	1052.72	1047.12	1053.49	0.001691	7.61	5988.22	605.12	0.37
Reach 2	613049	50 - Year	78023	1033.69	1056.69	1051.67	1058.43	0.002897	11.85	9472.39	1050.65	0.5
Reach 2	613049	100 - Year	93085	1033.69	1058.31	1052.9	1060.21	0.002878	12.53	11303.25	1391.23	0.51
Reach 2	613049	500 - Year	134370	1033.69	1062.76	1056.76	1063.96	0.001733	11.2	25231.83	3710.33	0.41
Reach 2	612344	2 - Year	2609	1030	1036.04	1033.89	1036.47	0.003806	5.25	496.57	268.94	0.45
Reach 2	612344	5 - Year	20273	1030	1046.31	1041.18	1047.38	0.002271	8.68	2803.97	656.46	0.42
Reach 2	612344	10 - Year	35468	1030	1050.31	1045.02	1051.95	0.002552	11	4290.93	1234.43	0.47
Reach 2	612344	50 - Year	78023	1030	1056.33	1049.37	1056.93	0.001109	8.87	18538.54	1994.96	0.33
Reach 2	612344	100 - Year	93085	1030	1058.11	1052.81	1058.7	0.00105	9.07	22348.5	2283.25	0.32
Reach 2	612344	500 - Year	134370	1030	1062.43	1052.81	1062.96	0.000878	9.23	34405.41	3218.52	0.3
Reach 2	611792	2 - Year	2609	1024.17	1035.41	1030.13	1035.54	0.000806	2.93	890.88	373.76	0.22
Reach 2	611792	5 - Year	20273	1024.17	1045.73	1037.91	1046.39	0.001159	6.73	3403.34	979.79	0.31
Reach 2	611792	10 - Year	35468	1024.17	1049.58	1041.39	1050.74	0.001532	9.03	4720.73	1169.67	0.37
Reach 2	611792	50 - Year	78023	1024.17	1056.13	1047.99	1056.46	0.000529	6.48	22891.36	1826.42	0.23
Reach 2	611792	100 - Year	93085	1024.17	1057.91	1049.99	1058.25	0.000517	6.71	26185.57	1874.39	0.23
Reach 2	611792	500 - Year	134370	1024.17	1062.2	1050	1062.57	0.000498	7.26	34673.27	2027.67	0.23
Reach 2	611061	2 - Year	2609	1021.33	1035.24	1025.82	1035.3	0.000159	1.86	1404.46	591.51	0.11
Reach 2	611061	5 - Year	20273	1021.33	1045.05	1033.96	1045.69	0.000799	6.64	3644.88	1069.86	0.27
Reach 2	611061	10 - Year	35468	1021.33	1048.47	1038.03	1049.71	0.001306	9.46	4763.09	1187.28	0.35
Reach 2	611061	50 - Year	78023	1021.33	1055.87	1046.77	1056.13	0.000385	6.19	26160.77	1959.77	0.2
Reach 2	611061	100 - Year	93085	1021.33	1057.64	1048.17	1057.92	0.000405	6.59	29847.3	2141.74	0.21
Reach 2	611061	500 - Year	134370	1021.33	1061.85	1051.66	1062.23	0.000495	7.91	40719.75	3155.7	0.23
Reach 2	610377	2 - Year	2609	1021.52	1035.13		1035.17	0.00018	1.55	1684.42	188.33	0.09
Reach 2	610377	5 - Year	20273	1021.52	1044.55		1045.02	0.00092	5.59	3959.15	297.57	0.23
Reach 2	610377	10 - Year	35468	1021.52	1047.6		1048.6	0.001612	8.21	4990.68	385.99	0.31
Reach 2	610377	50 - Year	78023	1021.52	1051.9		1054.75	0.003779	14.23	7692.41	949	0.5
Reach 2	610377	100 - Year	93085	1021.52	1052.94	1045.59	1056.33	0.004414	15.79	8724.41	1032.49	0.54
Reach 2	610377	500 - Year	134370	1021.52	1055.42	1048.95	1060.12	0.005835	19.27	12117.81	1615.08	0.63
Reach 2	609667	2 - Year	2609	1028.66	1034.81	1031.29	1034.9	0.000849	2.43	1071.57	549.1	0.2
Reach 2	609667	5 - Year	20273	1028.66	1043.58	1036.43	1044.16	0.001417	6.23	3496.3	833.11	0.3
Reach 2	609667	10 - Year	35468	1028.66	1047	1039.29	1047.27	0.000745	5.27	12087.46	1857.99	0.23
Reach 2	609667	50 - Year	78023	1028.66	1051.13	1046.01	1051.56	0.001045	7.23	21193.71	2432.14	0.28
Reach 2	609667	100 - Year	93085	1028.66	1052.15	1046.01	1052.61	0.001101	7.66	23695.75	2470.41	0.29
Reach 2	609667	500 - Year	134370	1028.66	1054.64	1046.01	1055.19	0.001215	8.65	30041.91	2647.59	0.31
Reach 2	609069	2 - Year	2609	1028.64	1033.94	1031.66	1034.11	0.002202	3.27	798.21	272.05	0.3
Reach 2	609069	5 - Year	20273	1028.64	1042.71	1036.82	1043.25	0.001579	6.3	4387.64	993.89	0.32
Reach 2	609069	10 - Year	35468	1028.64	1046.29	1039.69	1046.7	0.001134	6.32	10119.44	2332.2	0.28
Reach 2	609069	50 - Year	78023	1028.64	1050.38	1045.96	1050.87	0.001299	7.88	21312.68	2960.31	0.31
Reach 2	609069	100 - Year	93085	1028.64	1051.44	1045.96	1051.93	0.001274	8.08	24468.19	2981.55	0.31
Reach 2	609069	500 - Year	134370	1028.64	1053.96	1048.83	1054.46	0.001237	8.58	32063.99	3034.99	0.31
Reach 2	608443	2 - Year	2609	1025	1031.33	1030.08	1031.77	0.007437	5.3	492.23	333.06	0.54
Reach 2	608443	5 - Year	20273	1025	1041.57	1035.87	1042.19	0.00181	6.57	3616.06	834.69	0.34
Reach 2	608443	10 - Year	35468	1025	1045.01	1038.85	1045.8	0.001847	7.86	6716.14	1591.63	0.35
Reach 2	608443	50 - Year	78023	1025	1049.83	1045.11	1050.17	0.000949	6.76	23326.71	2721.28	0.27
Reach 2	608443	100 - Year	93085	1025	1050.87	1046	1051.24	0.000975	7.09	26173.22	2732.3	0.27
Reach 2	608443	500 - Year	134370	1025	1053.36	1046	1053.79	0.001031	7.85	33007.39	2760.63	0.28

Reach 2	607784	2 - Year	2609	1020.99	1030.63	1025.23	1030.73	0.000582	2.6	1002.12	341.78	0.19
Reach 2	607784	5 - Year	20273	1020.99	1040.81	1032.46	1041.34	0.000915	6.28	4269.05	823.34	0.28
Reach 2	607784	10 - Year	35468	1020.99	1043.79	1036.29	1044.74	0.001369	8.62	5694.94	899.35	0.35
Reach 2	607784	50 - Year	78023	1020.99	1049.15	1042.67	1049.6	0.0008	7.78	23127.09	2778.95	0.28
Reach 2	607784	100 - Year	93085	1020.99	1050.18	1044	1050.65	0.000835	8.17	25986.93	2802.2	0.29
Reach 2	607784	500 - Year	134370	1020.99	1052.63	1048.07	1053.15	0.000908	9.06	32953.89	2881.16	0.3
Reach 2	607147	2 - Year	2609	1012.6	1030.42	1019.82	1030.48	0.000247	2.05	1275.6	157.04	0.13
Reach 2	607147	5 - Year	20273	1012.6	1040.21	1030.3	1040.78	0.000869	6.29	3734.96	649.84	0.27
Reach 2	607147	10 - Year	35468	1012.6	1043.03	1034.47	1043.92	0.001242	8.33	6584.66	1043.05	0.33
Reach 2	607147	50 - Year	78023	1012.6	1047.55	1042.91	1048.77	0.001694	11.15	15365.58	2382.58	0.4
Reach 2	607147	100 - Year	93085	1012.6	1048.65	1043.87	1049.83	0.001685	11.45	17998.13	2404.92	0.4
Reach 2	607147	500 - Year	134370	1012.6	1051.2	1048.2	1052.36	0.001688	12.22	24219.58	2478.68	0.41
Reach 2	606537	2 - Year	2609	1020	1029.63	1025.18	1030.02	0.003002	5.03	518.87	106.53	0.4
Reach 2	606537	5 - Year	20273	1020	1039.64	1033.88	1040.09	0.00126	6.4	4786.56	819.22	0.31
Reach 2	606537	10 - Year	35468	1020	1042.32	1036.15	1042.96	0.001567	8.07	8116.97	1487.48	0.36
Reach 2	606537	50 - Year	78023	1020	1046.82	1041.73	1047.54	0.001674	9.85	17497.89	2382.27	0.38
Reach 2	606537	100 - Year	93085	1020	1047.9	1043.52	1048.63	0.001696	10.26	20103.26	2465.69	0.39
Reach 2	606537	500 - Year	134370	1020	1050.43	1045.96	1051.2	0.001694	11.05	26474.58	2567.85	0.4
Reach 2	606194	2 - Year	2609	1020	1028.95	1025.52	1029.21	0.00164	4.13	632.25	113.64	0.31
Reach 2	606194	5 - Year	20273	1020	1038.58	1033.73	1039.43	0.001972	8.2	4005.16	1101.32	0.39
Reach 2	606194	10 - Year	35468	1020	1040.88	1038.28	1042.09	0.002617	10.48	6046.41	1499.96	0.46
Reach 2	606194	50 - Year	78023	1020	1046.38	1042.36	1046.95	0.001363	9.22	19709.88	2573.36	0.35
Reach 2	606194	100 - Year	93085	1020	1047.45	1043.48	1048.04	0.001373	9.57	22518.97	2645.65	0.36
Reach 2	606194	500 - Year	134370	1020	1049.99	1045.11	1050.61	0.00138	10.3	29411.23	2784.94	0.36
Reach 2	605746	2 - Year	2609	1020	1027.82	1024.98	1028.22	0.003073	5.06	515.92	110.41	0.41
Reach 2	605746	5 - Year	20273	1020	1036.01	1033.28	1037.98	0.005208	11.4	2169.29	1084.53	0.62
Reach 2	605746	10 - Year	35468	1020	1039.72	1038	1040.91	0.002909	10.4	6460.63	1577.75	0.48
Reach 2	605746	50 - Year	78023	1020	1045.82	1041.6	1046.38	0.001339	8.94	19675.64	2484.27	0.35
Reach 2	605746	100 - Year	93085	1020	1046.88	1042.12	1047.47	0.001378	9.38	22372.98	2603.96	0.36
Reach 2	605746	500 - Year	134370	1020	1049.38	1043.64	1050.02	0.001419	10.24	29141.33	2796.88	0.37
Reach 2	605265	2 - Year	2609	1020	1026.04		1026.41	0.004655	4.91	531.3	139.45	0.44
Reach 2	605265	5 - Year	20273	1020	1035.12		1035.75	0.002263	6.9	4167.94	938.19	0.37
Reach 2	605265	10 - Year	35468	1020	1039.17		1039.66	0.00143	6.77	9278.44	1626.76	0.31
Reach 2	605265	50 - Year	78023	1020	1045.43		1045.81	0.000933	6.9	21627.22	2265.47	0.26
Reach 2	605265	100 - Year	93085	1020	1046.44		1046.87	0.001021	7.45	23989.27	2410.59	0.28
Reach 2	605265	500 - Year	134370	1020	1048.88		1049.41	0.00117	8.55	30162.04	2707.59	0.3
Reach 2	604929	2 - Year	2609	1016	1025.25		1025.43	0.001684	3.44	758.02	157.41	0.28
Reach 2	604929	5 - Year	20273	1016	1034.65		1035.15	0.001468	6.44	5089.29	1006.32	0.31
Reach 2	604929	10 - Year	35468	1016	1038.91		1039.3	0.001004	6.38	10686.45	1605.41	0.27
Reach 2	604929	50 - Year	78023	1016	1045.26		1045.6	0.000774	6.86	24217.65	3171.47	0.25
Reach 2	604929	100 - Year	93085	1016	1046.27		1046.64	0.000827	7.28	27545.77	3380.08	0.26
Reach 2	604929	500 - Year	134370	1016	1048.72		1049.13	0.000898	8.07	36183.63	3664.46	0.27
Reach 2	604622	2 - Year	2609	1016	1024.49		1024.78	0.002428	4.36	598.22	114.65	0.34
Reach 2	604622	5 - Year	20273	1016	1034.12		1034.68	0.001851	7.07	4910.92	962.58	0.34
Reach 2	604622	10 - Year	35468	1016	1038.57		1039	0.001218	6.96	9968.41	1465.54	0.29
Reach 2	604622	50 - Year	78023	1016	1045		1045.38	0.000931	7.48	23409.46	3530.74	0.27
Reach 2	604622	100 - Year	93085	1016	1046.03		1046.41	0.000957	7.8	27081.97	3638.37	0.27
Reach 2	604622	500 - Year	134370	1016	1048.49		1048.89	0.00097	8.36	36277.77	3806.03	0.28
Reach 2	604285	2 - Year	2609	1016	1023.85		1024.04	0.001758	3.54	737.17	152.61	0.28
Reach 2	604285	5 - Year	20273	1016	1033.41		1034.06	0.001715	7.2	4302.93	742.39	0.34
Reach 2	604285	10 - Year	35468	1016	1037.96		1038.54	0.001288	7.5	8110.93	979.09	0.3
Reach 2	604285	50 - Year	78023	1016	1044.3		1044.94	0.001269	9.03	19838.09	3425.85	0.32
Reach 2	604285	100 - Year	93085	1016	1045.34		1045.98	0.001278	9.32	23457.96	3497.94	0.32

Reach 2	604285	500 - Year	134370	1016	1047.89		1048.48	0.001228	9.71	32546.38	3642.22	0.32
Reach 2	604026	2 - Year	2609	1016	1023.39		1023.59	0.001711	3.64	721.31	153.97	0.28
Reach 2	604026	5 - Year	20273	1016	1032.83		1033.58	0.001934	7.76	3860.72	569.87	0.36
Reach 2	604026	10 - Year	35468	1016	1037.55		1038.27	0.001501	8.24	6934.14	716.51	0.33
Reach 2	604026	50 - Year	78023	1016	1043.73		1044.57	0.001621	10.3	18695.43	3171.25	0.36
Reach 2	604026	100 - Year	93085	1016	1044.8		1045.61	0.001606	10.54	22226.5	3357.64	0.36
Reach 2	604026	500 - Year	134370	1016	1047.47		1048.14	0.001418	10.56	31502.87	3586.69	0.34
Reach 2	603698	2 - Year	2609	1016	1022.72		1022.96	0.002192	3.93	665.65	151.35	0.32
Reach 2	603698	5 - Year	20273	1016	1032.26		1032.95	0.001873	7.54	3770.15	452.81	0.35
Reach 2	603698	10 - Year	35468	1016	1036.96		1037.76	0.001635	8.52	6034.21	507.58	0.34
Reach 2	603698	50 - Year	78023	1016	1042.43		1043.86	0.002567	12.63	14972.2	2741.11	0.45
Reach 2	603698	100 - Year	93085	1016	1043.73		1044.95	0.002298	12.37	18684.23	2950.61	0.43
Reach 2	603698	500 - Year	134370	1016	1046.67		1047.6	0.001869	11.99	28005.61	3358.26	0.39
Reach 2	603339	2 - Year	2609	1014	1021.95	1018.73	1022.19	0.002084	3.96	726.07	211.85	0.31
Reach 2	603339	5 - Year	20273	1014	1031.6	1025.75	1032.28	0.001844	7.61	3657.63	384.34	0.35
Reach 2	603339	10 - Year	35468	1014	1036.2	1028.86	1037.13	0.00187	9.19	5632.98	701.11	0.37
Reach 2	603339	50 - Year	78023	1014	1041.51	1034.43	1042.92	0.002666	12.9	14825.77	2516.22	0.46
Reach 2	603339	100 - Year	93085	1014	1042.98	1037.11	1044.12	0.002262	12.35	18618.08	2663	0.43
Reach 2	603339	500 - Year	134370	1014	1046.04	1042.66	1046.93	0.001849	12.03	27218.84	3124.68	0.39
Reach 2	602979	2 - Year	2609	1014	1021.24		1021.42	0.002077	3.5	775.18	213.72	0.3
Reach 2	602979	5 - Year	20273	1014	1031.06		1031.66	0.001543	6.76	3745.73	393.52	0.32
Reach 2	602979	10 - Year	35468	1014	1035.7		1036.5	0.001511	8.09	6251.7	886.44	0.33
Reach 2	602979	50 - Year	78023	1014	1041.02		1042.05	0.001829	10.53	16658.53	2799.05	0.38
Reach 2	602979	100 - Year	93085	1014	1042.56		1043.38	0.001524	10.02	21071.26	2904.05	0.35
Reach 2	602979	500 - Year	134370	1014	1045.67		1046.34	0.001273	9.89	30459.75	3142.22	0.33
Reach 2	602584	2 - Year	2609	1012.06	1020.81		1020.93	0.000782	2.72	970.13	178.8	0.2
Reach 2	602584	5 - Year	20273	1012.06	1030.37		1031.06	0.001473	7.06	3506.84	351.42	0.32
Reach 2	602584	10 - Year	35468	1012.06	1034.75		1035.83	0.001758	9.11	6016.04	1103.66	0.36
Reach 2	602584	50 - Year	78023	1012.06	1040.44		1041.35	0.001557	10.14	16843.68	2349.71	0.35
Reach 2	602584	100 - Year	93085	1012.06	1042.02		1042.81	0.001382	9.94	20613.29	2466.68	0.34
Reach 2	602584	500 - Year	134370	1012.06	1045.11		1045.84	0.001262	10.21	28497	2633.39	0.33
Reach 2	602162	2 - Year	2609	1014	1020.38		1020.51	0.00127	2.92	894.8	201.39	0.24
Reach 2	602162	5 - Year	20273	1014	1029.8		1030.42	0.001478	6.63	3623.95	374.57	0.31
Reach 2	602162	10 - Year	35468	1014	1034.1		1035.07	0.001705	8.51	6511.5	1283.37	0.35
Reach 2	602162	50 - Year	78023	1014	1039.66		1040.66	0.001676	10.07	14432.43	1637.87	0.36
Reach 2	602162	100 - Year	93085	1014	1041.06		1042.13	0.001735	10.64	16906.92	1867.99	0.37
Reach 2	602162	500 - Year	134370	1014	1043.97		1045.16	0.001859	11.84	22729.77	2187.08	0.39
Reach 2	601764	2 - Year	2609	1012	1019.84		1019.99	0.001339	3.17	911.33	230.66	0.25
Reach 2	601764	5 - Year	20273	1012	1029.24		1029.81	0.001502	6.8	4058.77	441.29	0.32
Reach 2	601764	10 - Year	35468	1012	1033.44		1034.35	0.001832	8.9	7109.32	1191.89	0.36
Reach 2	601764	50 - Year	78023	1012	1038.96		1039.96	0.001867	10.69	14377.23	1486.7	0.38
Reach 2	601764	100 - Year	93085	1012	1040.22		1041.37	0.002079	11.67	16352.17	1704.21	0.41
Reach 2	601764	500 - Year	134370	1012	1042.83		1044.28	0.002499	13.66	21494.66	2189.54	0.46
Reach 2	601535	2 - Year	2609	1012	1019.51		1019.68	0.001374	3.39	883.53	222.71	0.26
Reach 2	601535	5 - Year	20273	1012	1028.88		1029.45	0.00157	7.08	4192.71	473.26	0.32
Reach 2	601535	10 - Year	35468	1012	1033.01		1033.9	0.001927	9.24	7369.74	1250.48	0.37
Reach 2	601535	50 - Year	78023	1012	1038.51		1039.5	0.00202	11.21	15625.67	1924.49	0.4
Reach 2	601535	100 - Year	93085	1012	1039.85		1040.84	0.002016	11.6	18334.02	2108.23	0.4
Reach 2	601535	500 - Year	134370	1012	1042.6		1043.62	0.002048	12.51	24622.11	2365.38	0.41
Reach 2	601203	2 - Year	2609	1010	1019.16		1019.29	0.000954	3.05	988.28	236.12	0.22
Reach 2	601203	5 - Year	20273	1010	1028.46		1028.96	0.001349	6.73	4533.93	513.1	0.3
Reach 2	601203	10 - Year	35468	1010	1032.57		1033.29	0.001573	8.51	8222.42	1242.85	0.34

Reach 2	601203	50 - Year	78023	1010	1037.9		1038.86	0.001909	11.02	16415.38	2161.3	0.39
Reach 2	601203	100 - Year	93085	1010	1039.3		1040.2	0.001815	11.14	19586.26	2320.72	0.38
Reach 2	601203	500 - Year	134370	1010	1042.09		1042.97	0.001772	11.77	26235.77	2441.19	0.39
Reach 2	600901	2 - Year	2609	1008	1018.87		1018.99	0.001041	2.75	953.08	211.9	0.22
Reach 2	600901	5 - Year	20273	1008	1028.14		1028.57	0.001131	5.82	4642.93	514.66	0.27
Reach 2	600901	10 - Year	35468	1008	1032.17		1032.84	0.001354	7.53	7864.73	1158.05	0.31
Reach 2	600901	50 - Year	78023	1008	1037.24		1038.29	0.001854	10.38	15488.88	2230.37	0.38
Reach 2	600901	100 - Year	93085	1008	1038.66		1039.67	0.001772	10.55	18804.67	2428.52	0.37
Reach 2	600901	500 - Year	134370	1008	1041.48		1042.45	0.001715	11.16	25931.46	2584.6	0.38
Reach 2	600418	2 - Year	2609	1008.65	1018.56		1018.64	0.000497	2.36	1158.71	222.12	0.16
Reach 2	600418	5 - Year	20273	1008.65	1027.63		1028.07	0.001043	6.02	5145.23	657.09	0.27
Reach 2	600418	10 - Year	35468	1008.65	1031.66		1032.24	0.001153	7.36	8788.3	1102.65	0.29
Reach 2	600418	50 - Year	78023	1008.65	1036.56		1037.47	0.001638	10.17	17006.06	2262.36	0.36
Reach 2	600418	100 - Year	93085	1008.65	1038		1038.87	0.001587	10.39	20364.03	2409.63	0.36
Reach 2	600418	500 - Year	134370	1008.65	1040.77		1041.68	0.00165	11.33	27296.13	2589.83	0.37
Reach 2	600005	2 - Year	2609	1006.48	1018.12		1018.34	0.001075	3.71	703.18	89.79	0.23
Reach 2	600005	5 - Year	20273	1006.48	1025.9		1027.27	0.003736	10.67	3099.37	492.26	0.48
Reach 2	600005	10 - Year	35468	1006.48	1029.76		1031.39	0.003834	12.58	5908.01	1026.14	0.51
Reach 2	600005	50 - Year	78023	1006.48	1035.85		1036.74	0.00229	11.71	17627.57	2717.69	0.41
Reach 2	600005	100 - Year	93085	1006.48	1037.45		1038.17	0.001914	11.16	22089.28	2860.82	0.38
Reach 2	600005	500 - Year	134370	1006.48	1040.32		1040.96	0.001726	11.34	30650.1	3096.43	0.37
Reach 2	599541	2 - Year	2609	1004.46	1017.49		1017.65	0.001994	3.2	845.78	252.43	0.29
Reach 2	599541	5 - Year	20273	1004.46	1024.73		1025.58	0.00284	7.76	3105.61	381.1	0.41
Reach 2	599541	10 - Year	35468	1004.46	1028.46		1029.75	0.00305	9.77	4760.15	723.64	0.45
Reach 2	599541	50 - Year	78023	1004.46	1034.54		1035.69	0.002356	10.8	15881.73	2947.24	0.42
Reach 2	599541	100 - Year	93085	1004.46	1036.69		1037.44	0.001591	9.48	22420.63	3124.14	0.35
Reach 2	599541	500 - Year	134370	1004.46	1039.69		1040.32	0.001352	9.48	32036.51	3280.33	0.33
Reach 2	599295	2 - Year	2609	1004.17	1017.44		1017.49	0.000177	1.67	1655.26	235.03	0.1
Reach 2	599295	5 - Year	20273	1004.17	1024.36		1025.02	0.001346	6.77	3569.06	339.38	0.3
Reach 2	599295	10 - Year	35468	1004.17	1027.99		1029.1	0.001818	9.04	5371.69	723.06	0.36
Reach 2	599295	50 - Year	78023	1004.17	1034.17		1035.14	0.001593	10.18	18072.43	2862.84	0.36
Reach 2	599295	100 - Year	93085	1004.17	1036.41		1037.07	0.001145	9.13	24703.14	3053.96	0.31
Reach 2	599295	500 - Year	134370	1004.17	1039.42		1040.02	0.00107	9.46	34248.77	3277.32	0.3
Reach 2	599102	2 - Year	2609	1009.49	1017.32		1017.41	0.000749	2.38	1097.11	223.68	0.19
Reach 2	599102	5 - Year	20273	1009.49	1023.63		1024.58	0.002828	7.95	2791.47	330.66	0.42
Reach 2	599102	10 - Year	35468	1009.49	1026.91		1028.5	0.003479	10.44	4001.63	430.63	0.48
Reach 2	599102	50 - Year	78023	1009.49	1033.97		1034.76	0.001622	9.27	19069.09	2891.29	0.35
Reach 2	599102	100 - Year	93085	1009.49	1036.27		1036.81	0.00112	8.24	25963.84	3104.34	0.3
Reach 2	599102	500 - Year	134370	1009.49	1039.28		1039.79	0.00104	8.59	35647.95	3327.08	0.29
Reach 2	598939	2 - Year	2609	1012	1017.14		1017.23	0.001756	2.46	1061.04	293.31	0.23
Reach 2	598939	5 - Year	20273	1012	1023.23		1023.94	0.003701	6.86	3179.66	409.87	0.39
Reach 2	598939	10 - Year	35468	1012	1026.7		1027.59	0.003401	8.06	6050.38	1507.95	0.39
Reach 2	598939	50 - Year	78023	1012	1033.96		1034.32	0.00121	6.44	22698.57	2865.11	0.25
Reach 2	598939	100 - Year	93085	1012	1036.23		1036.51	0.000889	5.92	29506.41	3100.53	0.22
Reach 2	598939	500 - Year	134370	1012	1039.23		1039.53	0.000869	6.35	39122.24	3320.55	0.22
Reach 2	598524	2 - Year	2609	1009.44	1013.77	1013.77	1014.89	0.044896	8.49	307.16	148.41	1.04
Reach 2	598524	5 - Year	20273	1009.44	1021.91		1022.41	0.003359	6.29	3983.99	589.25	0.37
Reach 2	598524	10 - Year	35468	1009.44	1025.67		1026.26	0.002619	6.98	6614.23	865.41	0.34
Reach 2	598524	50 - Year	78023	1009.44	1033.52		1033.87	0.001211	6.51	22932.9	2841.88	0.25
Reach 2	598524	100 - Year	93085	1009.44	1035.93		1036.2	0.000871	5.94	30190.16	3161.52	0.22
Reach 2	598524	500 - Year	134370	1009.44	1038.94		1039.22	0.000851	6.36	40111.39	3433.43	0.22
Reach 2	598231	2 - Year	2609	1001.32	1011.23		1011.52	0.003351	4.31	604.78	113.45	0.33

Reach 2	598231	5 - Year	20273	1001.32	1021.26		1021.72	0.00219	6.36	4686.7	701.71	0.31
Reach 2	598231	10 - Year	35468	1001.32	1025.22		1025.71	0.0018	6.88	7564.43	761.9	0.29
Reach 2	598231	50 - Year	78023	1001.32	1033.08		1033.56	0.001308	7.55	17619.14	2172.91	0.27
Reach 2	598231	100 - Year	93085	1001.32	1035.26		1035.85	0.001611	8.86	23493.03	2972.1	0.3
Reach 2	598231	500 - Year	134370	1001.32	1038.44		1038.94	0.001364	8.78	33396.04	3244.45	0.28
Reach 2	598010	2 - Year	2609	1001.25	1010.71		1010.89	0.002101	3.44	758.89	141.57	0.26
Reach 2	598010	5 - Year	20273	1001.25	1020.76		1021.28	0.002001	6.47	4687.41	796.52	0.3
Reach 2	598010	10 - Year	35468	1001.25	1024.91		1025.37	0.001537	6.71	8081.96	838.03	0.27
Reach 2	598010	50 - Year	78023	1001.25	1032.83		1033.32	0.001215	7.56	17398.79	2042.77	0.26
Reach 2	598010	100 - Year	93085	1001.25	1034.78		1035.49	0.0017	9.38	22118.82	2903.79	0.31
Reach 2	598010	500 - Year	134370	1001.25	1038.1		1038.66	0.001363	9.04	32098.46	3080.15	0.28
Reach 2	597607	2 - Year	2609	999.67	1009.59		1009.89	0.002761	4.38	595.9	93.15	0.31
Reach 2	597607	5 - Year	20273	999.67	1019.53		1020.31	0.00335	8.38	4090.65	756.99	0.38
Reach 2	597607	10 - Year	35468	999.67	1024.32		1024.83	0.001914	7.63	7883.66	843.67	0.3
Reach 2	597607	50 - Year	78023	999.67	1032.47		1032.95	0.001371	8.14	17911.48	1901.03	0.27
Reach 2	597607	100 - Year	93085	999.67	1034.03		1034.86	0.002322	10.98	21061.52	2768.28	0.36
Reach 2	597607	500 - Year	134370	999.67	1037.67		1038.24	0.001654	10.02	31495.69	2966.14	0.31
Reach 2	597272	2 - Year	2609	997.92	1009.2		1009.32	0.00098	2.81	1020.85	260.95	0.2
Reach 2	597272	5 - Year	20273	997.92	1018.93		1019.49	0.001595	6.73	4198.29	451.02	0.3
Reach 2	597272	10 - Year	35468	997.92	1023.44		1024.2	0.001682	8.16	6654.01	652.62	0.32
Reach 2	597272	50 - Year	78023	997.92	1031.46		1032.39	0.001641	10.05	14846.47	1921.63	0.33
Reach 2	597272	100 - Year	93085	997.92	1033.21		1034.18	0.00169	10.61	18472.69	2227.23	0.34
Reach 2	597272	500 - Year	134370	997.92	1036.48		1037.58	0.001915	12.1	27814.38	3032.66	0.37
Reach 2	596955	2 - Year	2609	996.33	1009		1009.08	0.000509	2.25	1163.31	167.22	0.15
Reach 2	596955	5 - Year	20273	996.33	1018.27		1018.95	0.001606	6.93	3523.45	347.73	0.3
Reach 2	596955	10 - Year	35468	996.33	1022.38		1023.5	0.002065	9.12	5193.24	496.24	0.35
Reach 2	596955	50 - Year	78023	996.33	1029.59		1031.46	0.002667	12.66	10346.05	1037.24	0.42
Reach 2	596955	100 - Year	93085	996.33	1031.06		1033.15	0.00291	13.69	12669.09	1878.24	0.45
Reach 2	596955	500 - Year	134370	996.33	1035		1036.7	0.002474	13.73	22790.21	2977.32	0.42
Reach 2	596675	2 - Year	2609	1000	1008.86		1008.93	0.000545	2.2	1190.53	194.93	0.15
Reach 2	596675	5 - Year	20273	1000	1017.87		1018.47	0.001507	6.51	3722.81	366.67	0.29
Reach 2	596675	10 - Year	35468	1000	1021.91		1022.87	0.001886	8.49	5452.84	490.08	0.34
Reach 2	596675	50 - Year	78023	1000	1028.88		1030.69	0.002611	12.24	9928.13	907.52	0.42
Reach 2	596675	100 - Year	93085	1000	1030.07		1032.28	0.003075	13.68	11791.19	1796.01	0.46
Reach 2	596675	500 - Year	134370	1000	1032.52	1025.98	1035.46	0.004018	16.54	17229.56	2748.03	0.53
Reach 2	596362	2 - Year	2609	1004	1008.46		1008.61	0.002178	3.12	867.59	252.93	0.28
Reach 2	596362	5 - Year	20273	1004	1017.38		1017.93	0.001835	6.33	3822.4	393.68	0.31
Reach 2	596362	10 - Year	35468	1004	1021.33		1022.2	0.002125	8.15	5533.18	493.1	0.35
Reach 2	596362	50 - Year	78023	1004	1028.12		1029.76	0.002776	11.69	10410.05	1570.48	0.42
Reach 2	596362	100 - Year	93085	1004	1029.24	1020	1031.16	0.003159	12.86	12391.22	2218.76	0.46
Reach 2	596362	500 - Year	134370	1004	1031.33	1024.79	1034.04	0.004334	15.9	17583.26	2664.67	0.54
Reach 2	596162	2 - Year	2609	1002	1008.05		1008.22	0.001717	3.25	807.42	199.12	0.28
Reach 2	596162	5 - Year	20273	1002	1016.87		1017.53	0.001799	7	3860.85	537.89	0.34
Reach 2	596162	10 - Year	35468	1002	1020.99		1021.78	0.001685	8.12	6214.88	613.79	0.34
Reach 2	596162	50 - Year	78023	1002	1027.9		1029.08	0.001865	10.7	13721.48	1995.63	0.38
Reach 2	596162	100 - Year	93085	1002	1028.93		1030.41	0.002265	12.12	16219.39	2501.58	0.43
Reach 2	596162	500 - Year	134370	1002	1031.2		1032.85	0.0026	13.76	22101.77	2697.51	0.46
Reach 2	595962	2 - Year	2609	1003.14	1007.31		1007.64	0.005249	4.63	563.48	178	0.46
Reach 2	595962	5 - Year	20273	1003.14	1016.39		1017.12	0.002277	7.45	3524.03	447.44	0.38
Reach 2	595962	10 - Year	35468	1003.14	1020.37		1021.38	0.002295	9.05	5598.52	631.22	0.4
Reach 2	595962	50 - Year	78023	1003.14	1027.39		1028.68	0.002197	11.27	13866.5	2146.35	0.41
Reach 2	595962	100 - Year	93085	1003.14	1028.22		1029.9	0.002784	12.98	15775.78	2495.49	0.47
Reach 2	595962	500 - Year	134370	1003.14	1030.7		1032.32	0.002779	13.85	22231.1	2705.55	0.48

Reach 2	595494	2 - Year	2616	998.54	1006.19		1006.37	0.001571	3.37	777.03	161.59	0.27
Reach 2	595494	5 - Year	20323	998.54	1015.26		1016.09	0.002098	7.85	3461.72	472.54	0.37
Reach 2	595494	10 - Year	35288	998.54	1019.32		1020.36	0.002061	9.23	5472.09	519.59	0.38
Reach 2	595494	50 - Year	78359	998.54	1025.94		1027.55	0.002529	12.59	14115.18	2355.76	0.45
Reach 2	595494	100 - Year	93736	998.54	1027.11		1028.64	0.002484	12.87	16939.78	2489.1	0.45
Reach 2	595494	500 - Year	134739	998.54	1029.62		1031.05	0.002436	13.56	23517.34	2733.77	0.45
Reach 2	595010	2 - Year	2616	996.74	1005.24		1005.49	0.002098	3.99	667.42	173.17	0.34
Reach 2	595010	5 - Year	20323	996.74	1013.71		1014.92	0.002701	9.33	2943.22	465.05	0.46
Reach 2	595010	10 - Year	35288	996.74	1017.96		1019.3	0.002321	10.46	5012.41	507.7	0.45
Reach 2	595010	50 - Year	78359	996.74	1024.63		1026.38	0.002449	13.39	14032.2	2313.33	0.48
Reach 2	595010	100 - Year	93736	996.74	1025.93		1027.53	0.002305	13.47	17146.82	2480.03	0.47
Reach 2	595010	500 - Year	134739	996.74	1028.48		1029.99	0.002244	14.18	23841.08	2732.17	0.48
Reach 2	594562	2 - Year	2616	992.67	1004.94		1005.03	0.00051	2.48	1069.22	194.27	0.18
Reach 2	594562	5 - Year	20323	992.67	1013.2		1013.93	0.001423	7.27	3754	477.13	0.34
Reach 2	594562	10 - Year	35288	992.67	1017.43		1018.38	0.001465	8.75	6065.23	669.37	0.36
Reach 2	594562	50 - Year	78359	992.67	1024.45		1025.37	0.001278	10.1	18369.99	2436.3	0.35
Reach 2	594562	100 - Year	93736	992.67	1025.65		1026.58	0.001301	10.51	21363.92	2537.56	0.36
Reach 2	594562	500 - Year	134739	992.67	1028.01		1029.06	0.001475	11.84	27906.16	2922.35	0.39
Reach 2	594196	2 - Year	2616	992.67	1004.67		1004.8	0.000811	2.86	920.25	189.68	0.22
Reach 2	594196	5 - Year	20323	992.67	1012.64		1013.38	0.001671	7.5	3642.66	455.69	0.36
Reach 2	594196	10 - Year	35288	992.67	1016.9		1017.85	0.001612	8.85	5763.51	544.26	0.37
Reach 2	594196	50 - Year	78359	992.67	1023.81		1024.9	0.001553	10.83	16445.96	2470.27	0.38
Reach 2	594196	100 - Year	93736	992.67	1025.03		1026.11	0.001548	11.16	20114.52	3280.28	0.39
Reach 2	594196	500 - Year	134739	992.67	1027.57		1028.57	0.001494	11.68	28704.14	3511.01	0.39
Reach 2	593769	2 - Year	2616	1000	1004		1004.21	0.002761	3.65	717.22	234.98	0.37
Reach 2	593769	5 - Year	20323	1000	1011.82		1012.61	0.002061	7.35	3181.66	400.41	0.39
Reach 2	593769	10 - Year	35288	1000	1016.22		1017.17	0.001711	8.4	5374.01	549.09	0.38
Reach 2	593769	50 - Year	78359	1000	1023.22		1024.3	0.001481	10.05	15589.97	2255.27	0.38
Reach 2	593769	100 - Year	93736	1000	1024.25		1025.48	0.001642	10.91	18217.74	3052.71	0.4
Reach 2	593769	500 - Year	134739	1000	1026.85		1027.97	0.001558	11.4	26654.31	3453.78	0.39
Reach 2	593257	2 - Year	2616	992.49	1001.84		1002.22	0.005652	4.91	532.93	189.32	0.52
Reach 2	593257	5 - Year	20323	992.49	1010.37		1011.4	0.002647	8.44	2743.56	312.31	0.44
Reach 2	593257	10 - Year	35288	992.49	1014.59		1016.07	0.002562	10.28	4242.5	423.65	0.46
Reach 2	593257	50 - Year	78359	992.49	1022.16		1023.47	0.001793	11.22	14800.43	2399.62	0.41
Reach 2	593257	100 - Year	93736	992.49	1023.35		1024.63	0.001775	11.54	17753.38	2552.5	0.41
Reach 2	593257	500 - Year	134739	992.49	1025.87		1027.14	0.001796	12.41	24773.89	2985.09	0.42
Reach 2	592861	2 - Year	2616	991.58	1001.61		1001.7	0.00045	2.32	1138.77	213.16	0.17
Reach 2	592861	5 - Year	20323	991.58	1009.87		1010.59	0.00133	7.05	3312.14	304.52	0.33
Reach 2	592861	10 - Year	35288	991.58	1014.02		1015.19	0.001595	9.15	4706.73	412.27	0.37
Reach 2	592861	50 - Year	78359	991.58	1022		1022.81	0.001025	9.31	20008.75	3011.36	0.32
Reach 2	592861	100 - Year	93736	991.58	1023.21		1023.97	0.000999	9.47	23667.87	3028.82	0.32
Reach 2	592861	500 - Year	134739	991.58	1025.72		1026.47	0.001017	10.13	31321.27	3057.55	0.32
Reach 2	592429	2 - Year	2616	990.42	1001.37		1001.46	0.000665	2.47	1058.92	212.16	0.19
Reach 2	592429	5 - Year	20323	990.42	1009.22		1009.97	0.001559	7.03	3163.85	327.99	0.35
Reach 2	592429	10 - Year	35288	990.42	1013.46		1014.47	0.001553	8.51	5877.02	1198	0.36
Reach 2	592429	50 - Year	78359	990.42	1021.82		1022.36	0.000743	7.69	21660.16	2590.77	0.27
Reach 2	592429	100 - Year	93736	990.42	1022.94		1023.54	0.000824	8.34	24629.93	2736.33	0.29
Reach 2	592429	500 - Year	134739	990.42	1025.28		1026.04	0.001025	9.85	31602.3	3147.76	0.32
Reach 2	592098	2 - Year	2616	992.67	1000.92		1001.07	0.002455	3.14	836.2	238.79	0.29
Reach 2	592098	5 - Year	20323	992.67	1008.61		1009.3	0.002673	6.99	3345.31	402.62	0.37
Reach 2	592098	10 - Year	35288	992.67	1012.83		1013.83	0.002614	8.55	5334.59	670.94	0.38
Reach 2	592098	50 - Year	78359	992.67	1020.99		1021.97	0.00187	9.58	14647.38	1908.7	0.35

Reach 2	592098	100 - Year	93736	992.67	1022.1		1023.13	0.00195	10.08	17099.96	2699.96	0.36
Reach 2	592098	500 - Year	134739	992.67	1024.4		1025.57	0.002204	11.37	24088.31	3376.75	0.39
Reach 2	591898	2 - Year	2616	992.08	1000.07		1000.4	0.004577	4.61	567.34	139.34	0.4
Reach 2	591898	5 - Year	20323	992.08	1007.33		1008.51	0.005464	9.34	2663.35	394.06	0.51
Reach 2	591898	10 - Year	35288	992.08	1012.01		1013.2	0.003613	9.75	4585.6	439.46	0.44
Reach 2	591898	50 - Year	78359	992.08	1020.22		1021.5	0.002734	11.36	13082.47	2216.43	0.42
Reach 2	591898	100 - Year	93736	992.08	1021.37		1022.65	0.002747	11.76	15830.54	2555.54	0.42
Reach 2	591898	500 - Year	134739	992.08	1023.85		1025.08	0.002689	12.42	23245.51	3350.45	0.42
Reach 2	591695	2 - Year	2616	990.92	999.03		999.38	0.005693	5.2	708.35	368.23	0.45
Reach 2	591695	5 - Year	20323	990.92	1007.38		1007.57	0.001237	4.11	6010.48	720.5	0.24
Reach 2	591695	10 - Year	35288	990.92	1012.19		1012.42	0.000849	4.52	9563.82	760.68	0.21
Reach 2	591695	50 - Year	78359	990.92	1020.32		1020.74	0.001108	7.02	19941.7	2822.06	0.26
Reach 2	591695	100 - Year	93736	990.92	1021.45		1021.91	0.001165	7.44	23277.72	3004.61	0.27
Reach 2	591695	500 - Year	134739	990.92	1023.86		1024.38	0.001251	8.23	30640.75	3111.17	0.29
Reach 2	591409	2 - Year	2616	988.08	998.3		998.47	0.001791	3.67	1047.27	422.95	0.26
Reach 2	591409	5 - Year	20323	988.08	1007.14		1007.27	0.000755	3.63	7200.66	769.12	0.19
Reach 2	591409	10 - Year	35288	988.08	1012.02		1012.19	0.000588	4.09	11044.8	808.76	0.18
Reach 2	591409	50 - Year	78359	988.08	1020.16		1020.43	0.000765	6.14	25148.01	3000.21	0.22
Reach 2	591409	100 - Year	93736	988.08	1021.28		1021.58	0.000805	6.5	28573.14	3092.38	0.23
Reach 2	591409	500 - Year	134739	988.08	1023.66		1024.02	0.000909	7.33	36120.96	3240.36	0.25
Reach 2	590856	2 - Year	2616	990	997.69		997.76	0.000958	2.43	1621.43	663.44	0.19
Reach 2	590856	5 - Year	20323	990	1006.86		1006.96	0.000466	3.36	8727.62	820.35	0.16
Reach 2	590856	10 - Year	35288	990	1011.79		1011.93	0.00043	3.95	12933.54	902.02	0.16
Reach 2	590856	50 - Year	78359	990	1019.87		1020.08	0.000549	5.66	29510.73	3289.22	0.19
Reach 2	590856	100 - Year	93736	990	1020.98		1021.21	0.000584	5.99	33180.79	3337.4	0.2
Reach 2	590856	500 - Year	134739	990	1023.32		1023.6	0.000683	6.83	41099.53	3436.76	0.22
Reach 2	590350	2 - Year	2616	988.51	997.26		997.32	0.000777	2.12	1446.26	320.94	0.16
Reach 2	590350	5 - Year	20323	988.51	1006.29		1006.59	0.001194	4.97	5064.05	462.12	0.23
Reach 2	590350	10 - Year	35288	988.51	1011.14		1011.56	0.00119	6.05	7493.36	555.22	0.24
Reach 2	590350	50 - Year	78359	988.51	1019.33		1019.7	0.001006	7.06	27786.63	4348.11	0.24
Reach 2	590350	100 - Year	93736	988.51	1020.5		1020.83	0.000938	7.01	32893.98	4402.66	0.23
Reach 2	590350	500 - Year	134739	988.51	1022.87		1023.2	0.000928	7.36	43514.43	4621.27	0.23
Reach 2	589825	2 - Year	2616	980.83	996.98		997.03	0.000391	1.81	1448	200.59	0.12
Reach 2	589825	5 - Year	20323	980.83	1005.2		1005.76	0.001703	6.1	3559.46	297.31	0.28
Reach 2	589825	10 - Year	35288	980.83	1009.69		1010.61	0.002007	7.9	5004.32	357.25	0.32
Reach 2	589825	50 - Year	78359	980.83	1017.58		1018.75	0.002014	9.94	15831.86	3715.84	0.34
Reach 2	589825	100 - Year	93736	980.83	1018.95		1019.96	0.001861	9.87	21485.29	4414.89	0.33
Reach 2	589825	500 - Year	134739	980.83	1021.66		1022.44	0.001605	9.74	34101.89	4853.92	0.31
Reach 2	589459	2 - Year	2616	984.81	996.71	990.91	996.79	0.001038	2.33	1126.45	235.76	0.18
Reach 2	589459	5 - Year	20323	984.81	1004.29	998.09	1004.95	0.002536	6.72	3374.31	348.3	0.33
Reach 2	589459	10 - Year	35288	984.81	1008.87	1000.99	1009.8	0.002453	8.13	5201.59	460.78	0.35
Reach 2	589459	50 - Year	78359	984.81	1016.57	1006.69	1017.87	0.0025	10.5	14171.44	3461	0.37
Reach 2	589459	100 - Year	93736	984.81	1018.13	1008.9	1019.2	0.002177	10.2	19786	3824.14	0.35
Reach 2	589459	500 - Year	134739	984.81	1020.78	1012.62	1021.71	0.002027	10.49	30727.52	4548.92	0.34
Reach 2	589350		Culvert									
Reach 2	589245	2 - Year	2616	983.5	994.3		994.49	0.00263	3.58	730.33	152.35	0.29
Reach 2	589245	5 - Year	20323	983.5	1003.87		1004.67	0.002935	7.43	3160.2	376.57	0.36
Reach 2	589245	10 - Year	35288	983.5	1008.46		1009.48	0.00269	8.69	5158.25	502.87	0.36
Reach 2	589245	50 - Year	78359	983.5	1017.11		1017.75	0.001496	8.44	22108.03	4101.05	0.29
Reach 2	589245	100 - Year	93736	983.5	1018.58		1019.1	0.001304	8.16	28524.33	4738.39	0.27
Reach 2	589245	500 - Year	134739	983.5	1021.21		1021.61	0.001084	7.91	41120.55	4824.81	0.25

Reach 2	589138	2 - Year	2616	983.5	994.06		994.23	0.00199	3.35	781.41	147.34	0.25
Reach 2	589138	5 - Year	20323	983.5	1003.58		1004.33	0.002615	7.58	3495.38	392.38	0.35
Reach 2	589138	10 - Year	35288	983.5	1008.2		1009.14	0.002505	8.88	5581.29	552.09	0.35
Reach 2	589138	50 - Year	78359	983.5	1016.96		1017.54	0.001455	8.66	22961.64	3966.51	0.29
Reach 2	589138	100 - Year	93736	983.5	1018.44		1018.94	0.001309	8.5	29205.17	4709.06	0.27
Reach 2	589138	500 - Year	134739	983.5	1021.1		1021.47	0.001071	8.14	41815.47	4773.81	0.25
Reach 2	588781	2 - Year	2616	983.5	993.11		993.36	0.002883	4.01	669.27	180.84	0.33
Reach 2	588781	5 - Year	20323	983.5	1002.69		1003.36	0.00227	7.51	4077.64	560.02	0.35
Reach 2	588781	10 - Year	35288	983.5	1007.53		1008.19	0.001716	7.93	6903.33	611.89	0.32
Reach 2	588781	50 - Year	78359	983.5	1016.6		1017	0.000942	7.62	25545.59	3880.34	0.25
Reach 2	588781	100 - Year	93736	983.5	1018.1		1018.46	0.000875	7.6	31656.67	4561.87	0.25
Reach 2	588781	500 - Year	134739	983.5	1020.79		1021.1	0.000785	7.63	44096.38	4686.65	0.24
Reach 2	588284	2 - Year	2616	983.42	992.05		992.17	0.001898	2.75	955.09	347.73	0.26
Reach 2	588284	5 - Year	20323	983.42	1002.22		1002.54	0.000961	4.8	5028.65	501.64	0.23
Reach 2	588284	10 - Year	35288	983.42	1007.08		1007.5	0.000901	5.68	7977.21	669.87	0.23
Reach 2	588284	50 - Year	78359	983.42	1016.02		1016.54	0.000829	7.07	22256.45	3262.5	0.24
Reach 2	588284	100 - Year	93736	983.42	1017.49		1018.02	0.000835	7.35	27478.99	3909.16	0.24
Reach 2	588284	500 - Year	134739	983.42	1020.14		1020.67	0.000873	7.97	38717.65	4507.49	0.25
Reach 2	587528	2 - Year	2616	979.83	990.91		991.05	0.001173	3.03	863.92	143.47	0.22
Reach 2	587528	5 - Year	20323	979.83	1000.37		1001.24	0.002599	7.58	2891.17	324.52	0.37
Reach 2	587528	10 - Year	35288	979.83	1005.11		1006.25	0.002395	8.93	4717.32	428.49	0.37
Reach 2	587528	50 - Year	78359	979.83	1014.76		1015.67	0.001472	9.34	17235.27	2677.7	0.31
Reach 2	587528	100 - Year	93736	979.83	1016.37		1017.21	0.001377	9.38	21847.29	3186.52	0.31
Reach 2	587528	500 - Year	134739	979.83	1019.11		1019.89	0.001362	9.91	31840.65	3905.22	0.31
Reach 2	586704	2 - Year	2616	979.5	988.35		988.77	0.011127	5.16	506.54	179.89	0.54
Reach 2	586704	5 - Year	20323	979.5	998.81		999.24	0.00185	5.85	4365.52	480.16	0.29
Reach 2	586704	10 - Year	35288	979.5	1003.91		1004.41	0.001497	6.56	7126.25	631.65	0.27
Reach 2	586704	50 - Year	78359	979.5	1013.95		1014.48	0.001106	7.56	20448.55	2760.17	0.25
Reach 2	586704	100 - Year	93736	979.5	1015.6		1016.1	0.00106	7.69	25498.79	3277.05	0.25
Reach 2	586704	500 - Year	134739	979.5	1018.33		1018.82	0.001072	8.2	35695.64	3910.86	0.25
Reach 2	586149	2 - Year	2616	974.86	985.37		985.66	0.003294	4.3	608.81	113.05	0.33
Reach 2	586149	5 - Year	20323	974.86	997.28		998.05	0.002365	7.63	3460.34	396.41	0.33
Reach 2	586149	10 - Year	35288	974.86	1002.61		1003.44	0.001973	8.42	5911.34	512.02	0.32
Reach 2	586149	50 - Year	78359	974.86	1013.42		1013.88	0.000993	7.82	23402.78	3179.91	0.24
Reach 2	586149	100 - Year	93736	974.86	1015.15		1015.54	0.000869	7.58	29057.18	3351.96	0.23
Reach 2	586149	500 - Year	134739	974.86	1017.86		1018.25	0.000888	8.06	38483.3	3595.99	0.23
Reach 2	585592	2 - Year	2611	975.44	984.77		984.85	0.000723	2.31	1132.24	174.06	0.16
Reach 2	585592	5 - Year	20291	975.44	996.53		997.05	0.001238	5.92	3739.81	284.43	0.25
Reach 2	585592	10 - Year	35143	975.44	1001.68		1002.51	0.001448	7.58	5530.58	413.07	0.28
Reach 2	585592	50 - Year	78186	975.44	1012.02		1013.16	0.001459	9.74	15434.84	2679.48	0.3
Reach 2	585592	100 - Year	93753	975.44	1013.97		1014.91	0.001273	9.45	20837.55	2846.38	0.28
Reach 2	585592	500 - Year	134663	975.44	1016.64		1017.59	0.001389	10.35	28731.33	3085.87	0.3
Reach 2	585195	2 - Year	2611	972.75	984.59		984.65	0.000362	2.02	1296.17	165.29	0.13
Reach 2	585195	5 - Year	20291	972.75	996.07		996.61	0.00099	6.04	3735.43	261.75	0.24
Reach 2	585195	10 - Year	35143	972.75	1001.05		1001.96	0.001281	8	5355.71	384.39	0.29
Reach 2	585195	50 - Year	78186	972.75	1011.37		1012.61	0.001313	10.25	15369.83	2389.27	0.31
Reach 2	585195	100 - Year	93753	972.75	1013.24		1014.39	0.001267	10.43	20352.96	2843.86	0.3
Reach 2	585195	500 - Year	134663	972.75	1015.89		1017.03	0.001374	11.38	28159.97	3050.27	0.32
Reach 2	584740	2 - Year	2611	974.77	984.19		984.36	0.001224	3.31	791.32	125.29	0.23
Reach 2	584740	5 - Year	20291	974.77	994.86		995.91	0.002364	8.68	2881.69	265.7	0.37
Reach 2	584740	10 - Year	35143	974.77	999.54		1001.09	0.002731	10.94	4382.24	374.4	0.41
Reach 2	584740	50 - Year	78186	974.77	1010.66		1011.92	0.001779	11.59	16157.23	2642	0.35
Reach 2	584740	100 - Year	93753	974.77	1012.64		1013.74	0.001616	11.48	21882.35	3124.01	0.34

Reach 2	584740	500 - Year	134663	974.77	1015.41		1016.32	0.001508	11.67	30818.43	3326.2	0.33
Reach 2	584036	2 - Year	2611	971.92	983.06		983.23	0.002236	3.64	910.13	253.51	0.29
Reach 2	584036	5 - Year	20291	971.92	993.83		994.3	0.001578	6.63	4459.39	461.65	0.3
Reach 2	584036	10 - Year	35143	971.92	998.62		999.24	0.001554	7.86	6805.25	522.53	0.31
Reach 2	584036	50 - Year	78186	971.92	1009.83		1010.61	0.001425	10.07	20882.34	3115.14	0.32
Reach 2	584036	100 - Year	93753	971.92	1011.98		1012.58	0.001152	9.46	28147.62	3514.09	0.29
Reach 2	584036	500 - Year	134663	971.92	1014.76		1015.28	0.001087	9.68	38125.21	3673.2	0.28
Reach 2	583454	2 - Year	2611	967.91	981.71		981.99	0.002043	4.23	617.76	91.65	0.29
Reach 2	583454	5 - Year	20291	967.91	993.13		993.49	0.001263	5.35	5049.69	584.28	0.26
Reach 2	583454	10 - Year	35143	967.91	998.05		998.47	0.00104	5.98	8054.19	634.84	0.25
Reach 2	583454	50 - Year	78186	967.91	1009.35		1009.92	0.000866	7.51	22779.09	2980.96	0.24
Reach 2	583454	100 - Year	93753	967.91	1011.6		1012.04	0.000698	7.08	29590.28	3069.21	0.22
Reach 2	583454	500 - Year	134663	967.91	1014.32		1014.8	0.000772	7.86	38039.19	3146.8	0.24
Reach 2	583006	2 - Year	2611	973.92	980.3		980.64	0.004708	4.7	555.98	119.73	0.38
Reach 2	583006	5 - Year	20291	973.92	991.86		992.62	0.002586	7.54	3698.79	533.47	0.34
Reach 2	583006	10 - Year	35143	973.92	997.16		997.83	0.001797	7.7	6676.96	589.89	0.3
Reach 2	583006	50 - Year	78186	973.92	1008.28		1009.29	0.001734	10.14	18567.92	3141.96	0.32
Reach 2	583006	100 - Year	93753	973.92	1011.13		1011.67	0.001039	8.32	27695.58	3251.21	0.25
Reach 2	583006	500 - Year	134663	973.92	1013.93		1014.44	0.001035	8.75	36911.96	3345.23	0.25
Reach 2	582502	2 - Year	2611	967.11	979.86		979.93	0.000499	2.19	1192.88	146.83	0.14
Reach 2	582502	5 - Year	20291	967.11	990.98		991.61	0.001489	6.48	3468.12	276.34	0.27
Reach 2	582502	10 - Year	35143	967.11	995.86		996.86	0.001822	8.4	5029.57	362.57	0.31
Reach 2	582502	50 - Year	78186	967.11	1006.03		1008.04	0.002383	12.24	10760.87	1779.46	0.37
Reach 2	582502	100 - Year	93753	967.11	1009.41		1010.81	0.001736	11.15	18736.8	3120.32	0.32
Reach 2	582502	500 - Year	134663	967.11	1012.6		1013.71	0.001556	11.16	28934.59	3256.4	0.31
Reach 2	582115	2 - Year	2611	972	979.11		979.44	0.003941	4.61	565.77	124.61	0.38
Reach 2	582115	5 - Year	20291	972	989.72		990.71	0.002928	8.28	2859.39	319.43	0.39
Reach 2	582115	10 - Year	35143	972	994.78		995.98	0.002517	9.47	4638.77	377.78	0.39
Reach 2	582115	50 - Year	78186	972	1004.96		1006.74	0.002331	12.18	9661.75	728.32	0.4
Reach 2	582115	100 - Year	93753	972	1007.86		1009.86	0.002378	13.11	13939.61	1931.2	0.41
Reach 2	582115	500 - Year	134663	972	1011.19		1012.85	0.00216	13.35	24721.17	3406.28	0.4
Reach 2	581611	2 - Year	2611	968.22	977.27		977.59	0.00343	4.54	575.31	116.68	0.36
Reach 2	581611	5 - Year	20291	968.22	988.42		989.3	0.002601	7.76	2923.44	285.8	0.37
Reach 2	581611	10 - Year	35143	968.22	993.59		994.76	0.002353	9.15	4520.94	331.76	0.37
Reach 2	581611	50 - Year	78186	968.22	1003.65		1005.57	0.002335	12.15	8517.65	522.99	0.4
Reach 2	581611	100 - Year	93753	968.22	1006.03	994.23	1008.54	0.002734	13.86	11377.99	2442.59	0.44
Reach 2	581611	500 - Year	134663	968.22	1009.77		1011.72	0.002318	13.76	22845.37	3556.75	0.41
Reach 2	581009	2 - Year	2611	965.8	975.49	971.79	975.73	0.002726	3.93	664.85	141.48	0.32
Reach 2	581009	5 - Year	20291	965.8	987.11	979.52	987.88	0.00204	7.09	2980.05	258.6	0.33
Reach 2	581009	10 - Year	35143	965.8	992.32	982.85	993.44	0.002011	8.67	4506.06	324.92	0.35
Reach 2	581009	50 - Year	78186	965.8	1002.32	990.22	1004.22	0.002126	11.76	9415.19	1093.74	0.38
Reach 2	581009	100 - Year	93753	965.8	1004.91	992.25	1006.88	0.002082	12.31	13497.21	2393.38	0.38
Reach 2	581009	500 - Year	134663	965.8	1008.82	997.43	1010.4	0.00179	12.32	26151.96	3988.19	0.36
Reach 2	580436	2 - Year	2611	964.92	974.27		974.47	0.001743	3.59	727.42	125.77	0.26
Reach 2	580436	5 - Year	20291	964.92	986.11		986.78	0.001657	6.8	3591.72	408.81	0.3
Reach 2	580436	10 - Year	35143	964.92	991.53		992.3	0.001427	7.7	6080.09	502.68	0.3
Reach 2	580436	50 - Year	78186	964.92	1001.91		1002.84	0.001219	9.29	14583.43	1194.7	0.29
Reach 2	580436	100 - Year	93753	964.92	1004.51		1005.5	0.00123	9.84	19039.74	2840.53	0.3
Reach 2	580436	500 - Year	134663	964.92	1008.38		1009.25	0.001154	10.24	35330.14	4932.66	0.29
Reach 2	579980	2 - Year	2611	965.53	973.11		973.43	0.002929	4.51	579.11	104.61	0.34
Reach 2	579980	5 - Year	20291	965.53	984.8		985.75	0.002896	8.12	2935.48	315.23	0.39
Reach 2	579980	10 - Year	35143	965.53	990.31		991.43	0.002337	9.16	5077.64	458.94	0.37

Reach 2	579980	50 - Year	78186	965.53	1000.58		1002.04	0.001992	11.26	11155.37	839.79	0.37
Reach 2	579980	100 - Year	93753	965.53	1002.86		1004.6	0.002196	12.43	13555.96	1454.61	0.39
Reach 2	579980	500 - Year	134663	965.53	1007.03		1008.48	0.001903	12.57	27545.65	5102.67	0.37
Reach 2	579307	2 - Year	2611	961.53	971.57		971.76	0.001973	3.51	743.58	146.52	0.27
Reach 2	579307	5 - Year	20291	961.53	983.72		984.27	0.001363	6.2	3746.82	303.94	0.28
Reach 2	579307	10 - Year	35143	961.53	989.32		990.11	0.00134	7.53	5542.96	338.27	0.29
Reach 2	579307	50 - Year	78186	961.53	999.46		1000.85	0.001552	10.51	13562.87	1850.28	0.33
Reach 2	579307	100 - Year	93753	961.53	1002.02		1003.22	0.001354	10.34	18667.93	2650.11	0.31
Reach 2	579307	500 - Year	134663	961.53	1006.26		1007.29	0.001204	10.55	33429.39	5758.85	0.3
Reach 2	578618	2 - Year	2611	960.95	970.65		970.77	0.001033	2.86	914.43	151.12	0.2
Reach 2	578618	5 - Year	20291	960.95	982.74		983.35	0.001299	6.42	3561.97	286.41	0.27
Reach 2	578618	10 - Year	35143	960.95	988.27		989.16	0.001381	7.97	5262.58	328.46	0.29
Reach 2	578618	50 - Year	78186	960.95	997.5		999.48	0.002034	12.14	9938.62	1202.86	0.38
Reach 2	578618	100 - Year	93753	960.95	1000.03		1001.94	0.001916	12.4	13947.19	1748.71	0.37
Reach 2	578618	500 - Year	134663	960.95	1003.18	990.59	1005.73	0.002485	14.96	21403.04	3573.45	0.43
Reach 2	578131	2 - Year	2611	959.08	970.3		970.39	0.000562	2.41	1083.84	145.92	0.16
Reach 2	578131	5 - Year	20291	959.08	982.08		982.72	0.001275	6.46	3345.99	241.1	0.27
Reach 2	578131	10 - Year	35143	959.08	987.41		988.43	0.001496	8.33	4745.34	287.1	0.31
Reach 2	578131	50 - Year	78186	959.08	996.61		998.48	0.001937	11.86	10524.82	1314.72	0.37
Reach 2	578131	100 - Year	93753	959.08	999.24		1000.98	0.001772	11.96	15186.09	2034.59	0.36
Reach 2	578131	500 - Year	134663	959.08	1002.4		1004.36	0.002038	13.59	22577.68	3527.94	0.39
Reach 2	577776	2 - Year	2611	961.29	969.97		970.09	0.001323	2.81	930.49	190.54	0.22
Reach 2	577776	5 - Year	20291	961.29	981.7		982.21	0.001196	5.75	3599.77	253.71	0.26
Reach 2	577776	10 - Year	35143	961.29	987.01		987.83	0.001324	7.35	5035.9	307.46	0.28
Reach 2	577776	50 - Year	78186	961.29	996.13		997.69	0.001664	10.5	11087.91	1747.7	0.34
Reach 2	577776	100 - Year	93753	961.29	998.88		1000.22	0.001419	10.28	17149.44	2396.21	0.32
Reach 2	577776	500 - Year	134663	961.29	1001.99		1003.48	0.001604	11.61	26193.9	4014.36	0.34
Reach 2	577429	2 - Year	2611	959.31	969.62		969.73	0.000805	2.6	1005.73	138.98	0.17
Reach 2	577429	5 - Year	20291	959.31	980.8		981.61	0.001941	7.33	3036.58	235.55	0.31
Reach 2	577429	10 - Year	35143	959.31	985.78		987.09	0.002354	9.52	4298.91	272.93	0.35
Reach 2	577429	50 - Year	78186	959.31	993.96		996.58	0.003425	14.09	8331.06	880.32	0.45
Reach 2	577429	100 - Year	93753	959.31	995.85	985.84	998.95	0.003849	15.54	10740.43	1687.89	0.48
Reach 2	577429	500 - Year	134663	959.31	999.67	992.62	1002.36	0.003556	16.07	21072.52	3615.02	0.47
Reach 2	576961	2 - Year	2676	956.4	969.48		969.52	0.000181	1.67	1640.69	184.6	0.09
Reach 2	576961	5 - Year	20789	956.4	980.31		980.79	0.000812	5.78	4332.06	339.19	0.22
Reach 2	576961	10 - Year	35477	956.4	985.2		985.96	0.001031	7.5	6161.18	411.02	0.26
Reach 2	576961	50 - Year	80250	956.4	993.04		994.78	0.001795	11.83	10948.6	1175.85	0.36
Reach 2	576961	100 - Year	97050	956.4	994.77		996.93	0.002134	13.33	13378.21	1943.67	0.4
Reach 2	576961	500 - Year	138002	956.4	998.54		1000.75	0.002224	14.57	22645.77	2741.51	0.41
Reach 2	576557	2 - Year	2676	962.94	969.13		969.3	0.002311	3.43	823.88	244.5	0.29
Reach 2	576557	5 - Year	20789	962.94	979.76		980.33	0.001583	6.49	3786.6	305.18	0.3
Reach 2	576557	10 - Year	35477	962.94	984.54		985.41	0.001727	8.16	5321.14	343.37	0.32
Reach 2	576557	50 - Year	80250	962.94	991.84		993.84	0.002788	12.79	9534.49	978.56	0.43
Reach 2	576557	100 - Year	97050	962.94	993.52		995.87	0.003133	14.11	11555.79	1574.41	0.46
Reach 2	576557	500 - Year	138002	962.94	996.23	987.49	999.35	0.004003	16.94	17829.02	2553.66	0.53
Reach 2	576302	2 - Year	2676	961	968.69		968.84	0.001326	3.02	896.14	177.7	0.23
Reach 2	576302	5 - Year	20789	961	978.89		979.73	0.002033	7.59	3115.58	269.33	0.34
Reach 2	576302	10 - Year	35477	961	983.4		984.69	0.002329	9.62	4572.79	383.36	0.38
Reach 2	576302	50 - Year	80250	961	991.27		992.84	0.002317	11.95	12074.73	1447.95	0.4
Reach 2	576302	100 - Year	97050	961	992.98		994.55	0.002313	12.43	15209.73	2197.42	0.4
Reach 2	576302	500 - Year	138002	961	995.61		997.51	0.002795	14.46	21758.07	2669.96	0.45
Reach 2	576021	2 - Year	2676	958.5	968.42		968.53	0.000836	2.76	999.81	164.97	0.19

Reach 2	576021	5 - Year	20789	958.5	978.22		979.13	0.002117	7.99	3173.65	328.26	0.35
Reach 2	576021	10 - Year	35477	958.5	982.75		984.04	0.002336	9.87	4954.85	526.65	0.38
Reach 2	576021	50 - Year	80250	958.5	990.55		992.16	0.002419	12.39	11878.26	1647.01	0.41
Reach 2	576021	100 - Year	97050	958.5	992.14		993.82	0.002535	13.15	14811.26	2092.79	0.42
Reach 2	576021	500 - Year	138002	958.5	994.91		996.65	0.002703	14.39	21073.6	2426	0.44
Reach 2	575522	2 - Year	2676	956.29	968.22		968.28	0.000292	1.99	1393.56	179.99	0.12
Reach 2	575522	5 - Year	20789	956.29	977.51		978.21	0.001412	7.01	3590.22	315.74	0.29
Reach 2	575522	10 - Year	35477	956.29	981.89		982.97	0.001752	9	5115.84	379.72	0.33
Reach 2	575522	50 - Year	80250	956.29	989.47		991.02	0.002109	11.97	12454.13	1666.18	0.38
Reach 2	575522	100 - Year	97050	956.29	990.79		992.58	0.00242	13.19	15032.27	2147.76	0.41
Reach 2	575522	500 - Year	138002	956.29	993.54		995.35	0.002553	14.32	21327.79	2436.92	0.43
Reach 2	574986	2 - Year	2676	952.98	968.16	958.24	968.2	0.000091	1.44	1856.22	189.29	0.08
Reach 2	574986	5 - Year	20789	952.98	977.17	965.2	977.68	0.000616	5.76	3903.45	289.86	0.23
Reach 2	574986	10 - Year	35477	952.98	981.39	968.63	982.28	0.000856	7.76	5320.35	360.67	0.28
Reach 2	574986	50 - Year	80250	952.98	988.12	976.49	990.05	0.001484	12.11	11479.71	2272.14	0.39
Reach 2	574986	100 - Year	97050	952.98	989.59	979.55	991.55	0.001538	12.74	14908.52	2384.54	0.4
Reach 2	574986	500 - Year	138002	952.98	991.83	985.06	994.14	0.001878	14.73	20462.63	2643.39	0.45
Reach 2	574342	2 - Year	2676	956.28	968.09	960.63	968.13	0.000129	1.4	1905.79	263.65	0.09
Reach 2	574342	5 - Year	20789	956.28	976.89	966.44	977.23	0.00052	4.78	4734.86	389.21	0.21
Reach 2	574342	10 - Year	35477	956.28	981.07	969.14	981.64	0.000654	6.25	6438.13	588.09	0.24
Reach 2	574342	50 - Year	80250	956.28	987.69	975.56	988.88	0.001043	9.54	14371.08	2564.95	0.32
Reach 2	574342	100 - Year	97050	956.28	989.1	977.44	990.37	0.001117	10.21	18803.16	3306.41	0.34
Reach 2	574342	500 - Year	138002	956.28	991.37	981.42	992.69	0.001224	11.25	26439.31	3415.09	0.36
Reach 2	573455	2 - Year	2676	956	967.89	960.92	967.95	0.000308	2.06	1300.85	190.17	0.14
Reach 2	573455	5 - Year	20789	956	975.97	968.32	976.55	0.001157	6.29	3749.17	390.26	0.3
Reach 2	573455	10 - Year	35477	956	979.96	971.7	980.83	0.001281	7.86	5420.18	450.13	0.33
Reach 2	573455	50 - Year	80250	956	986.14	978.03	987.68	0.001774	11.31	12809.04	2422.46	0.41
Reach 2	573455	100 - Year	97050	956	987.32	979.82	989.06	0.001982	12.35	16064	3066.46	0.44
Reach 2	573455	500 - Year	138002	956	989.76	984	991.36	0.001928	12.96	24211.19	3409.05	0.44
Reach 2	572822	2 - Year	2676	953.21	967.81	957.04	967.84	0.000106	1.38	1938.79	231.63	0.08
Reach 2	572822	5 - Year	20789	953.21	975.55	964.53	975.95	0.000677	5.13	4271.14	355.35	0.23
Reach 2	572822	10 - Year	35477	953.21	979.43	968.65	980.12	0.000875	6.8	5873.04	498.49	0.28
Reach 2	572822	50 - Year	80250	953.21	985.32	974.98	986.66	0.001357	10.16	13620.7	2796.75	0.36
Reach 2	572822	100 - Year	97050	953.21	986.37	976.95	987.92	0.001557	11.19	16764.87	3174.64	0.39
Reach 2	572822	500 - Year	138002	953.21	988.81	981.83	990.26	0.001548	11.85	24667.61	3296.38	0.39
Reach 2	572152	2 - Year	2676	957.68	967.65	962.77	967.71	0.000409	1.86	1437.25	306.56	0.15
Reach 2	572152	5 - Year	20789	957.68	974.91	968.2	975.38	0.001049	5.55	3921.81	384.24	0.28
Reach 2	572152	10 - Year	35477	957.68	978.69	970.47	979.44	0.001172	7.05	5489.68	472.5	0.31
Reach 2	572152	50 - Year	80250	957.68	984.06	975.92	985.6	0.001819	10.68	12517	2814.42	0.41
Reach 2	572152	100 - Year	97050	957.68	985.26	977.61	986.79	0.001831	11.12	15955.53	2906.46	0.42
Reach 2	572152	500 - Year	138002	957.68	987.67	981.5	989.16	0.001818	11.87	23314.21	3165.41	0.42
Reach 2	571681	2 - Year	2676	960.8	967.24	964.96	967.36	0.001381	2.85	950.69	297.32	0.27
Reach 2	571681	5 - Year	20789	960.8	974.12	969.55	974.72	0.001754	6.6	3846.16	538.73	0.36
Reach 2	571681	10 - Year	35477	960.8	978.08	971.92	978.82	0.001502	7.57	6297.78	762.66	0.35
Reach 2	571681	50 - Year	80250	960.8	983.78	976.72	984.48	0.001258	8.65	19439.03	3239.44	0.34
Reach 2	571681	100 - Year	97050	960.8	985.03	978.42	985.68	0.001175	8.7	23544.24	3328.95	0.33
Reach 2	571681	500 - Year	138002	960.8	987.47	983.38	988.08	0.001092	9.02	31846.18	3460.02	0.33
Reach 2	571085	2 - Year	2676	959.89	964.96	963.96	965.48	0.012032	5.81	466.32	183.94	0.62
Reach 2	571085	5 - Year	20789	959.89	972.9	969.19	973.36	0.002905	5.97	4560.28	885.48	0.36
Reach 2	571085	10 - Year	35477	959.89	977.53	971.36	977.87	0.00133	5.42	9163.66	1262.76	0.27
Reach 2	571085	50 - Year	80250	959.89	983.54	975.06	983.79	0.000788	5.38	26254.79	3421.64	0.22
Reach 2	571085	100 - Year	97050	959.89	984.78	975.99	985.03	0.000767	5.53	30516.24	3454.14	0.22
Reach 2	571085	500 - Year	138002	959.89	987.2	978.4	987.47	0.000777	6	38929.05	3522.28	0.22

Reach 2	570449	2 - Year	2676	953.03	959.91	957.65	960.38	0.005711	5.5	490.97	120.97	0.46
Reach 2	570449	5 - Year	20789	953.03	970.97	965.88	971.73	0.002578	7.69	3283.59	594.11	0.37
Reach 2	570449	10 - Year	35477	953.03	975.86	968.44	976.83	0.002289	8.9	5005.59	878.16	0.37
Reach 2	570449	50 - Year	80250	953.03	982.94	974.35	983.28	0.000966	7.19	24884.84	3322.96	0.25
Reach 2	570449	100 - Year	97050	953.03	984.23	977.73	984.55	0.000908	7.2	29178.34	3363.2	0.25
Reach 2	570449	500 - Year	138002	953.03	986.66	979.88	986.99	0.000891	7.56	37436.06	3426	0.25
Reach 2	569930	2 - Year	2673	951.91	958.75	954.8	958.91	0.001412	3.17	843.1	151.11	0.24
Reach 2	569930	5 - Year	20765	951.91	969.86	961.71	970.62	0.002021	7.01	3063.73	473.41	0.33
Reach 2	569930	10 - Year	35284	951.91	974.67	965.31	975.76	0.002046	8.58	4687.53	996.39	0.35
Reach 2	569930	50 - Year	80217	951.91	982.41	972.9	982.85	0.000912	7.2	23471.07	3129.46	0.25
Reach 2	569930	100 - Year	97079	951.91	983.72	976	984.14	0.000882	7.31	27586.67	3153.9	0.24
Reach 2	569930	500 - Year	138061	951.91	986.15	979.31	986.58	0.000912	7.86	35294.16	3202.41	0.25
Reach 2	569134	2 - Year	2673	947.47	957.46		957.66	0.001728	3.59	743.67	137.33	0.26
Reach 2	569134	5 - Year	20765	947.47	967.59		968.67	0.002879	8.56	2737.37	411.46	0.39
Reach 2	569134	10 - Year	35284	947.47	972.33		973.82	0.002911	10.36	4337.13	788.32	0.41
Reach 2	569134	50 - Year	80217	947.47	977.99	974.01	980.97	0.004765	15.72	8635.8	1498.3	0.55
Reach 2	569134	100 - Year	97079	947.47	979.87	975.71	982.49	0.00426	15.59	11977.55	2007.56	0.53
Reach 2	569134	500 - Year	138061	947.47	983.21		985.25	0.003524	15.33	20070.27	2573.04	0.49
Reach 2	568409	2 - Year	2673	950.05	955.64	953.64	955.92	0.00338	4.24	631.07	164.44	0.38
Reach 2	568409	5 - Year	20765	950.05	965.64	959.8	966.74	0.002558	8.64	2679.13	438.59	0.41
Reach 2	568409	10 - Year	35284	950.05	970.21	963.14	971.83	0.002653	10.65	3937.16	760.04	0.44
Reach 2	568409	50 - Year	80217	950.05	976.15	971.05	977.76	0.002553	12.58	12622.2	1789.36	0.45
Reach 2	568409	100 - Year	97079	950.05	978.23	974.53	979.76	0.002372	12.81	16702.44	2205.82	0.44
Reach 2	568409	500 - Year	138061	950.05	982.08	977.24	983.18	0.001751	12.05	25716.68	2465.77	0.39
Reach 2	567722	2 - Year	2673	944.99	954.04	951.04	954.21	0.00183	3.53	934.56	295.89	0.29
Reach 2	567722	5 - Year	20765	944.99	965.13	956.89	965.43	0.00085	5.37	5698.34	728.15	0.24
Reach 2	567722	10 - Year	35284	944.99	969.98	959.15	970.34	0.000778	6.14	8791.5	1091.6	0.24
Reach 2	567722	50 - Year	80217	944.99	975.6	964.25	976.19	0.001164	8.83	18343.84	1640.81	0.3
Reach 2	567722	100 - Year	97079	944.99	977.73	965.93	978.3	0.001079	8.95	21957.58	1757.52	0.3
Reach 2	567722	500 - Year	138061	944.99	981.48	969.59	982.09	0.001078	9.72	29007.58	1987.65	0.3
Reach 2	566980	2 - Year	2673	941.67	952.37	948.78	952.67	0.002396	4.36	613.27	115.2	0.33
Reach 2	566980	5 - Year	20765	941.67	963.04	957.55	964.24	0.002647	9.35	2835.45	437.93	0.42
Reach 2	566980	10 - Year	35284	941.67	967.72	961.54	969.18	0.002522	10.87	4859.96	997.95	0.43
Reach 2	566980	50 - Year	80217	941.67	974.02	969.59	975.14	0.001985	11.56	13574.96	1246.17	0.4
Reach 2	566980	100 - Year	97079	941.67	976.15	970.89	977.3	0.001952	12.07	16495.53	1468.91	0.4
Reach 2	566980	500 - Year	138061	941.67	980.01	973.04	981.16	0.001833	12.72	22634.33	1695.08	0.39
Reach 2	566158	2 - Year	2673	941.49	950.76	946.65	950.98	0.001711	3.78	706.27	128.67	0.28
Reach 2	566158	5 - Year	20765	941.49	961.32	954.8	962.21	0.001952	8.03	3076.36	583.49	0.36
Reach 2	566158	10 - Year	35284	941.49	965.74	957.98	967.17	0.002303	10.33	4442.29	741.36	0.41
Reach 2	566158	50 - Year	80217	941.49	972.13	962.92	973.41	0.002018	11.65	12618.59	1132.63	0.4
Reach 2	566158	100 - Year	97079	941.49	974.32	965.45	975.61	0.001944	12.06	15298.89	1292.12	0.4
Reach 2	566158	500 - Year	138061	941.49	978.15	970.92	979.51	0.001904	12.99	20533.72	1428.16	0.4
Reach 2	565406	2 - Year	2673	939.94	948.86	945.85	949.23	0.003142	4.89	546.09	104.16	0.38
Reach 2	565406	5 - Year	20765	939.94	958.08	954.67	959.82	0.004757	10.96	2182.67	335.86	0.54
Reach 2	565406	10 - Year	35284	939.94	961.82	958.11	964.38	0.005221	13.61	3138.82	586.22	0.59
Reach 2	565406	50 - Year	80217	939.94	969.23	965.85	971.31	0.00361	14.48	9844.51	967.91	0.52
Reach 2	565406	100 - Year	97079	939.94	971.64	967.29	973.65	0.003304	14.76	12515.73	1213.19	0.51
Reach 2	565406	500 - Year	138061	939.94	975.84	970	977.74	0.002901	15.26	18094.36	1491.66	0.49
Reach 2	564668	2 - Year	2673	940	947.13	943.82	947.35	0.002016	3.79	706.05	145.95	0.3
Reach 2	564668	5 - Year	20765	940	955.58	950.91	956.69	0.003393	8.5	2533.17	355.93	0.45
Reach 2	564668	10 - Year	35284	940	959.29	953.94	960.97	0.003566	10.56	3637.94	487.61	0.48
Reach 2	564668	50 - Year	80217	940	967.67	962.8	969.11	0.002206	11.2	11063.66	962.49	0.41

Reach 2	564668	100 - Year	97079	940	970.27	964.15	971.67	0.00196	11.33	13636.17	1051.95	0.39
Reach 2	564668	500 - Year	138061	940	974.19	966.73	975.91	0.002144	13.02	18612.25	1460.9	0.42
Reach 2	564360	2 - Year	2673	939.09	945.89	944.61	946.33	0.006062	5.34	500.42	177.3	0.54
Reach 2	564360	5 - Year	20765	939.09	954.41	950.66	955.62	0.003484	8.84	2370.73	359.29	0.5
Reach 2	564360	10 - Year	35284	939.09	958.1	953.45	959.89	0.003381	10.79	3387.32	467.21	0.52
Reach 2	564360	50 - Year	80217	939.09	966.46	959.49	968.37	0.002305	12.3	10619.77	1569.2	0.46
Reach 2	564360	100 - Year	97079	939.09	969.75	962.63	971.13	0.001571	11.15	16058.6	1730.35	0.39
Reach 2	564360	500 - Year	138061	939.09	974.08	967.96	975.25	0.001257	11.1	23842.6	1849.07	0.36
Reach 2	564044	2 - Year	2680	936.24	945.39		945.55	0.001125	3.26	822.96	161.84	0.25
Reach 2	564044	5 - Year	20823	936.24	953.65		954.71	0.002224	8.56	2945.05	409.77	0.42
Reach 2	564044	10 - Year	35300	936.24	957.63		958.91	0.002099	9.93	5137.12	615.23	0.42
Reach 2	564044	50 - Year	80482	936.24	966.08		967.63	0.001798	12.04	11693.47	1013.41	0.42
Reach 2	564044	100 - Year	97465	936.24	968.64		970.53	0.001944	13.35	14696.77	1621.08	0.44
Reach 2	564044	500 - Year	138462	936.24	973.3		974.79	0.001504	13.01	23313.66	2013.37	0.4
Reach 2	563644	2 - Year	2680	936.67	945.06		945.18	0.00073	2.81	954.78	169.52	0.21
Reach 2	563644	5 - Year	20823	936.67	953.12		953.83	0.001654	7.18	3606.2	457.37	0.36
Reach 2	563644	10 - Year	35300	936.67	957.16		958.06	0.001554	8.38	5616.54	547.81	0.36
Reach 2	563644	50 - Year	80482	936.67	965.55		966.88	0.001498	10.82	11205.27	800.82	0.38
Reach 2	563644	100 - Year	97465	936.67	967.97		969.73	0.001746	12.43	13421.98	1232.94	0.42
Reach 2	563644	500 - Year	138462	936.67	972.36		974.11	0.001607	13.17	19993.99	1662.02	0.41
Reach 2	563150	2 - Year	2680	937.2	944.37	942.69	944.55	0.002662	3.42	784.02	285.25	0.36
Reach 2	563150	5 - Year	20823	937.2	952.52	947.21	953.04	0.00139	6.07	4001.87	485.84	0.32
Reach 2	563150	10 - Year	35300	937.2	956.62	949.4	957.32	0.001281	7.2	6018.93	624.65	0.33
Reach 2	563150	50 - Year	80482	937.2	965.11	954.18	966.16	0.001186	9.32	12689.86	945.01	0.34
Reach 2	563150	100 - Year	97465	937.2	967.39	955.85	968.69	0.001303	10.4	15371.56	1439.61	0.36
Reach 2	563150	500 - Year	138462	937.2	972.11	959.74	973.32	0.001106	10.71	23281.04	1812.32	0.34
Reach 2	562640	2 - Year	2680	936.83	942.91		943.11	0.003006	3.57	751.02	270.17	0.38
Reach 2	562640	5 - Year	20823	936.83	951.91		952.38	0.001164	5.59	3915.15	393.44	0.3
Reach 2	562640	10 - Year	35300	936.83	956.02		956.71	0.001133	6.79	5609.85	430.98	0.31
Reach 2	562640	50 - Year	80482	936.83	964.08		965.49	0.001354	9.86	10116.15	895.17	0.36
Reach 2	562640	100 - Year	97465	936.83	966.5		968.01	0.001316	10.38	12980.54	1341.99	0.36
Reach 2	562640	500 - Year	138462	936.83	971.25		972.73	0.001162	10.92	20037.32	1587.75	0.35
Reach 2	562254	2 - Year	2680	934.34	942.53	939.08	942.61	0.000642	2.39	1140.75	249.42	0.19
Reach 2	562254	5 - Year	20823	934.34	951.34	944.02	951.93	0.001123	6.3	3642.34	395.54	0.3
Reach 2	562254	10 - Year	35300	934.34	955.26	946.66	956.21	0.001327	8.1	5002.89	461.08	0.34
Reach 2	562254	50 - Year	80482	934.34	963.3	953.07	964.91	0.001526	11.17	10302.23	743.43	0.39
Reach 2	562254	100 - Year	97465	934.34	965.63	955.01	967.43	0.001562	11.97	12920.82	1292.28	0.4
Reach 2	562254	500 - Year	138462	934.34	970.41	959.88	972.21	0.001425	12.7	19869.95	1569.52	0.39
Reach 2	561988	2 - Year	2680	934.17	942.39	938.22	942.46	0.000488	2.25	1227.59	245.88	0.17
Reach 2	561988	5 - Year	20823	934.17	951.02	943.55	951.63	0.00112	6.42	3668.73	393.75	0.3
Reach 2	561988	10 - Year	35300	934.17	954.92	946.23	955.86	0.001303	8.15	5269.94	464.86	0.34
Reach 2	561988	50 - Year	80482	934.17	962.57	953.38	964.45	0.001759	11.99	9617.49	781.81	0.42
Reach 2	561988	100 - Year	97465	934.17	964.97	955.3	966.97	0.001734	12.64	12075.25	1143.52	0.42
Reach 2	561988	500 - Year	138462	934.17	969.77	959.15	971.78	0.001593	13.46	19150.71	1627.42	0.41
Reach 2	561701	2 - Year	2680	934.59	942.19	938.93	942.29	0.000742	2.54	1087.67	256.43	0.21
Reach 2	561701	5 - Year	20823	934.59	950.64	943.99	951.28	0.001303	6.65	3558.24	337.31	0.32
Reach 2	561701	10 - Year	35300	934.59	954.43	946.62	955.44	0.001521	8.49	4973.12	403	0.36
Reach 2	561701	50 - Year	80482	934.59	961.79	953.11	963.88	0.002071	12.6	9061.54	796.06	0.45
Reach 2	561701	100 - Year	97465	934.59	964.11	955.02	966.4	0.002084	13.43	11126.6	982.25	0.46
Reach 2	561701	500 - Year	138462	934.59	969.27	958.59	971.31	0.001685	13.59	18756.59	1673.22	0.42
Reach 2	561383	2 - Year	2680	935.31	941.64	939.18	941.9	0.002084	4.18	711.79	244.99	0.34
Reach 2	561383	5 - Year	20823	935.31	949.96	945.54	950.74	0.002076	8.28	3829.33	480.81	0.41

Reach 2	561383	10 - Year	35300	935.31	953.9	948.21	954.88	0.001983	9.66	6030.9	617.87	0.41
Reach 2	561383	50 - Year	80482	935.31	961.7	954	963.01	0.001908	12.2	12710.82	1065.8	0.43
Reach 2	561383	100 - Year	97465	935.31	964.24	955.85	965.48	0.001697	12.28	15518.46	1317.39	0.41
Reach 2	561383	500 - Year	138462	935.31	969.35	958.8	970.56	0.001482	12.87	24090.73	1885.45	0.4
Reach 2	561290	2 - Year	2680	933.97	941.52	938.72	941.7	0.001437	3.56	889.19	283.62	0.28
Reach 2	561290	5 - Year	20823	933.97	949.91	944.73	950.47	0.001546	7.16	4742.95	659.03	0.35
Reach 2	561290	10 - Year	35300	933.97	953.94	947.43	954.54	0.001336	7.93	7830.61	824.65	0.34
Reach 2	561290	50 - Year	80482	933.97	961.81	952.8	962.63	0.001288	10	15392.51	1137.17	0.35
Reach 2	561290	100 - Year	97465	933.97	964.33	954.05	965.15	0.001198	10.27	18360.86	1448.14	0.34
Reach 2	561290	500 - Year	138462	933.97	969.41	956.94	970.27	0.001115	11.08	27614.23	1912.23	0.34
Reach 2	561259		Culvert									
Reach 2	561229	2 - Year	2680	933.49	940.27	938.74	940.75	0.005606	5.57	488.01	161.87	0.52
Reach 2	561229	5 - Year	20823	933.49	949.81	945.26	950.37	0.001649	7.26	4759.84	652.99	0.35
Reach 2	561229	10 - Year	35300	933.49	953.82	947.65	954.41	0.001419	8.05	8000.71	892.46	0.34
Reach 2	561229	50 - Year	80482	933.49	961.72	953.07	962.46	0.001261	9.79	16017.16	1197.35	0.35
Reach 2	561229	100 - Year	97465	933.49	964.23	954.22	964.98	0.001165	10.03	19143.15	1526.71	0.34
Reach 2	561229	500 - Year	138462	933.49	969.36	956.39	970.13	0.001067	10.76	28991.37	2012.44	0.33
Reach 2	561127	2 - Year	2680	931.75	939.68	937.4	940.23	0.004465	5.95	450.25	97.76	0.49
Reach 2	561127	5 - Year	20823	931.75	949.05	945.89	950.03	0.00275	9.3	3532.1	549.95	0.45
Reach 2	561127	10 - Year	35300	931.75	953.09	948.45	954.11	0.002308	10.21	6454.8	964.96	0.44
Reach 2	561127	50 - Year	80482	931.75	961.57	954.41	962.33	0.001344	10.2	16156.58	1302.97	0.36
Reach 2	561127	100 - Year	97465	931.75	964.13	955.1	964.85	0.001188	10.22	19607.32	1650.51	0.34
Reach 2	561127	500 - Year	138462	931.75	969.31	957.76	969.98	0.001021	10.6	30017.29	2080.66	0.32
Reach 2	560671	2 - Year	2680	930.25	938.31	934.64	938.58	0.002731	4.19	639.7	214.53	0.3
Reach 2	560671	5 - Year	20823	930.25	948.33	943.06	948.85	0.00241	6.86	4302.71	568.48	0.32
Reach 2	560671	10 - Year	35300	930.25	952.54	944.88	953.1	0.002099	7.62	7323.49	870.97	0.31
Reach 2	560671	50 - Year	80482	930.25	961.21	949.73	961.74	0.001392	8.03	16002.76	1159.07	0.27
Reach 2	560671	100 - Year	97465	930.25	963.81	953.03	964.33	0.001251	8.09	19535.86	1495.34	0.26
Reach 2	560671	500 - Year	138462	930.25	969.01	955.22	969.54	0.001158	8.67	28693.86	1910.02	0.26
Reach 2	560173	2 - Year	2680	930.14	937.04	934.18	937.26	0.00251	3.76	713.23	152.8	0.31
Reach 2	560173	5 - Year	20823	930.14	946.56	940.85	947.54	0.002941	8.23	3035.29	425.12	0.4
Reach 2	560173	10 - Year	35300	930.14	950.92	944.46	951.99	0.002507	9.16	5694.05	844.59	0.38
Reach 2	560173	50 - Year	80482	930.14	960.42	952.57	961.14	0.001302	8.78	15524.44	1205.09	0.3
Reach 2	560173	100 - Year	97465	930.14	963.1	953.7	963.79	0.00117	8.86	18906.5	1561.85	0.28
Reach 2	560173	500 - Year	138462	930.14	968.41	956.06	969.06	0.00101	9.17	28992.63	2006.91	0.27
Reach 2	559410	2 - Year	2680	922.54	936.74	927.65	936.8	0.000204	2.03	1322.86	139.66	0.12
Reach 2	559410	5 - Year	20823	922.54	945.14	935.99	945.99	0.001421	7.5	3107.97	391.63	0.33
Reach 2	559410	10 - Year	35300	922.54	949.47	940.35	950.61	0.0015	9.07	5331.23	628.88	0.36
Reach 2	559410	50 - Year	80482	922.54	959.5	949.45	960.42	0.00096	9.51	15481.55	1207.37	0.31
Reach 2	559410	100 - Year	97465	922.54	962.28	953.04	963.16	0.000875	9.63	18990.34	1529.16	0.3
Reach 2	559410	500 - Year	138462	922.54	967.63	955.87	968.51	0.000812	10.25	28832.93	1997.98	0.29
Reach 2	558915	2 - Year	2680	913.83	936.74	918.17	936.76	0.000019	0.95	2908.68	189.42	0.04
Reach 2	558915	5 - Year	20823	913.83	945.11	926.68	945.46	0.000308	4.87	4695.45	244.81	0.17
Reach 2	558915	10 - Year	35300	913.83	949.27	930.58	950.01	0.000524	7.02	5810.22	310.24	0.23
Reach 2	558915	50 - Year	80482	913.83	958.14	939.31	959.77	0.00092	11.05	10899.08	773.74	0.31
Reach 2	558915	100 - Year	97465	913.83	960.43	942.08	962.39	0.001057	12.29	12817.78	1166.47	0.34
Reach 2	558915	500 - Year	138462	913.83	965.67	948	967.73	0.00108	13.46	20653.75	1553.34	0.35
Reach 2	558411	2 - Year	2680	927.42	936.62		936.71	0.000475	2.33	1181.95	260.82	0.17
Reach 2	558411	5 - Year	20823	927.42	944.42		945.09	0.001349	6.91	3592.39	332.13	0.33
Reach 2	558411	10 - Year	35300	927.42	948.47		949.5	0.001508	8.69	4989.52	359.28	0.36
Reach 2	558411	50 - Year	80482	927.42	957.09		959.04	0.0018	12.36	9093.7	1068.55	0.42
Reach 2	558411	100 - Year	97465	927.42	959.61		961.68	0.001764	13.01	12023.12	1221.47	0.43

Reach 2	558411	500 - Year	138462	927.42	965.16		966.99	0.00143	13.16	19218.67	1367.83	0.4
Reach 2	557965	2 - Year	2680	927.18	936.39		936.47	0.000591	2.46	1220.67	279.6	0.19
Reach 2	557965	5 - Year	20823	927.18	943.75		944.44	0.001599	7.19	3673.49	370.6	0.35
Reach 2	557965	10 - Year	35300	927.18	947.8		948.79	0.001669	8.83	5233.66	398.38	0.38
Reach 2	557965	50 - Year	80482	927.18	956.47		958.18	0.001814	12.15	11314.75	1010.91	0.42
Reach 2	557965	100 - Year	97465	927.18	959.21		960.81	0.001599	12.21	14177.08	1073.08	0.41
Reach 2	557965	500 - Year	138462	927.18	964.8		966.3	0.001316	12.49	20449.12	1170.13	0.38
Reach 2	557613	2 - Year	2680	927.4	936.15		936.26	0.000631	2.7	1112.78	243.67	0.2
Reach 2	557613	5 - Year	20823	927.4	942.73		943.73	0.002402	8.68	3163.82	384.05	0.43
Reach 2	557613	10 - Year	35300	927.4	946.74		948.07	0.002349	10.35	4973.23	525.51	0.45
Reach 2	557613	50 - Year	80482	927.4	955.75		957.5	0.002037	12.89	11792.82	1149.01	0.45
Reach 2	557613	100 - Year	97465	927.4	958.76		960.21	0.001607	12.33	15414.29	1243.28	0.41
Reach 2	557613	500 - Year	138462	927.4	964.61		965.77	0.001154	11.83	22902.1	1319.75	0.36
Reach 2	557519	2 - Year	2680	926.6	936.09		936.2	0.000611	2.66	1107.3	251.96	0.19
Reach 2	557519	5 - Year	20823	926.6	942.51		943.5	0.002406	8.61	3181.92	405.56	0.43
Reach 2	557519	10 - Year	35300	926.6	946.57		947.82	0.002244	10.05	5114.82	545.62	0.44
Reach 2	557519	50 - Year	80482	926.6	955.62		957.28	0.001932	12.51	12050.83	1168.45	0.44
Reach 2	557519	100 - Year	97465	926.6	958.63		960.05	0.00155	12.08	15822.67	1316.44	0.4
Reach 2	557519	500 - Year	138462	926.6	964.54		965.64	0.001095	11.51	24012.72	1449.32	0.35
Reach 2	557345	2 - Year	2680	927.58	935.97	933.05	936.05	0.000803	2.25	1306.83	427.96	0.2
Reach 2	557345	5 - Year	20823	927.58	942.3	937.36	942.72	0.00136	5.65	4832.72	741.49	0.31
Reach 2	557345	10 - Year	35300	927.58	946.47	939.19	946.93	0.001012	6.13	8033.78	943.61	0.29
Reach 2	557345	50 - Year	80482	927.58	955.68	943.84	956.13	0.000638	6.79	21588.74	1905.74	0.25
Reach 2	557345	100 - Year	97465	927.58	958.7	945.17	959.09	0.000499	6.51	27487.97	1987.68	0.22
Reach 2	557345	500 - Year	138462	927.58	964.59	947.76	964.93	0.000367	6.38	39476.11	2074	0.2
Reach 2	557296		Culvert									
Reach 2	557246	2 - Year	2680	926.97	934.74	930.92	934.82	0.000629	2.28	1220.43	324.91	0.19
Reach 2	557246	5 - Year	20823	926.97	942.18	936.29	942.59	0.001048	5.61	5039.14	723.96	0.28
Reach 2	557246	10 - Year	35300	926.97	946.31	938.63	946.79	0.000907	6.35	8111.39	1110.35	0.28
Reach 2	557246	50 - Year	80482	926.97	955.6	943.52	956.04	0.000579	6.87	22306.91	1868.18	0.24
Reach 2	557246	100 - Year	97465	926.97	958.63	944.94	959.01	0.000466	6.64	28095.38	1950.42	0.22
Reach 2	557246	500 - Year	138462	926.97	964.5	948.01	964.84	0.000356	6.57	39807.35	2031.21	0.2
Reach 2	557012	2 - Year	2680	927.37	934.49	931.55	934.62	0.001009	2.89	955.5	236.12	0.24
Reach 2	557012	5 - Year	20823	927.37	941.47	937.24	942.17	0.001897	7.34	3832.82	632.53	0.38
Reach 2	557012	10 - Year	35300	927.37	945.79	939.7	946.47	0.001373	7.71	7384.2	966.95	0.34
Reach 2	557012	50 - Year	80482	927.37	955.3	944.89	955.86	0.000781	7.95	18755	1367.39	0.28
Reach 2	557012	100 - Year	97465	927.37	958.33	947.05	958.85	0.000649	7.82	22948.72	1394.4	0.26
Reach 2	557012	500 - Year	138462	927.37	964.17	949.31	964.69	0.000555	8.19	31888.66	1597.69	0.25
Reach 2	556683	2 - Year	2680	927.57	932.68	932.68	933.63	0.023756	7.82	342.78	179.87	1
Reach 2	556683	5 - Year	20823	927.57	939.45	937.99	941.04	0.006176	10.82	2462.93	492.36	0.65
Reach 2	556683	10 - Year	35300	927.57	944.54	940.36	945.78	0.002863	10.07	4918.13	721.47	0.48
Reach 2	556683	50 - Year	80482	927.57	954.87	945.6	955.58	0.001045	8.86	16056.48	1101.89	0.32
Reach 2	556683	100 - Year	97465	927.57	957.93	947.4	958.61	0.000888	8.84	19479.12	1135.33	0.3
Reach 2	556683	500 - Year	138462	927.57	963.77	950.11	964.48	0.000757	9.31	26320.51	1199.94	0.29
Reach 2	556104	2 - Year	2680	919.89	926.94	924.97	927.36	0.004036	5.2	518.42	169.48	0.46
Reach 2	556104	5 - Year	20823	919.89	937.51	932.07	938.81	0.002456	9.62	2641.33	405.61	0.45
Reach 2	556104	10 - Year	35300	919.89	942.35	935.54	944.19	0.002454	11.67	4219.73	616.81	0.47
Reach 2	556104	50 - Year	80482	919.89	954.04	943.93	954.99	0.001005	10.26	15884.43	1085.54	0.33
Reach 2	556104	100 - Year	97465	919.89	957.2	944.93	958.1	0.000894	10.32	19498.38	1191.44	0.31
Reach 2	556104	500 - Year	138462	919.89	963.18	949.31	964.05	0.000773	10.69	26964.96	1293.56	0.3
Reach 2	555589	2 - Year	2680	916.03	926.62		926.72	0.000483	2.5	1074.93	171.21	0.17

Reach 2	555589	5 - Year	20823	916.03	937.14		937.85	0.001032	6.95	3543.93	327.31	0.3
Reach 2	555589	10 - Year	35300	916.03	942.12		943.13	0.001106	8.54	5530.07	461.36	0.32
Reach 2	555589	50 - Year	80482	916.03	953.19		954.45	0.000971	10.5	13268.79	890.42	0.32
Reach 2	555589	100 - Year	97465	916.03	956.35		957.6	0.000902	10.76	16188.43	950.64	0.32
Reach 2	555589	500 - Year	138462	916.03	962.27		963.59	0.000854	11.58	22158.45	1052.42	0.31
Reach 2	555258	2 - Year	2680	915.12	926.33		926.49	0.000973	3.2	838.23	152.73	0.24
Reach 2	555258	5 - Year	20823	915.12	936.4		937.4	0.001634	8.26	2963.82	278.93	0.37
Reach 2	555258	10 - Year	35300	915.12	941.21		942.64	0.001724	10.15	4444.8	346	0.4
Reach 2	555258	50 - Year	80482	915.12	952.09		954	0.001519	12.67	10566.43	775.5	0.4
Reach 2	555258	100 - Year	97465	915.12	955.37		957.2	0.00136	12.81	13229.1	845.62	0.38
Reach 2	555258	500 - Year	138462	915.12	961.36		963.22	0.001233	13.57	18533.3	918.86	0.38
Reach 2	554915	2 - Year	2680	916.83	925.95		926.13	0.00115	3.37	794.67	150.46	0.26
Reach 2	554915	5 - Year	20823	916.83	935.71		936.79	0.001865	8.57	2830.38	287.86	0.39
Reach 2	554915	10 - Year	35300	916.83	940.54		942.02	0.001855	10.31	4441.81	379.26	0.41
Reach 2	554915	50 - Year	80482	916.83	951.51		953.47	0.001572	12.74	9724.9	573.15	0.41
Reach 2	554915	100 - Year	97465	916.83	954.59		956.68	0.001533	13.41	11578.71	626.36	0.41
Reach 2	554915	500 - Year	138462	916.83	960.06		962.66	0.001643	15.34	15436.49	792.05	0.43
Reach 2	554658	2 - Year	2680	916.86	925.7		925.85	0.000953	3.16	868.69	172.26	0.24
Reach 2	554658	5 - Year	20823	916.86	935.28		936.31	0.001753	8.41	2889.46	266.99	0.38
Reach 2	554658	10 - Year	35300	916.86	940.06		941.55	0.00183	10.32	4330.48	344.93	0.41
Reach 2	554658	50 - Year	80482	916.86	950.75		953.01	0.001755	13.47	8880.89	527.83	0.43
Reach 2	554658	100 - Year	97465	916.86	953.68		956.21	0.001782	14.43	10577.05	637.82	0.44
Reach 2	554658	500 - Year	138462	916.86	959.34		962.19	0.00177	15.96	14681.73	791.17	0.45
Reach 2	554312	2 - Year	2680	917.08	925.04		925.3	0.002597	4.21	678.83	181.19	0.34
Reach 2	554312	5 - Year	20823	917.08	934.6		935.56	0.002498	8.68	3163.28	323.24	0.41
Reach 2	554312	10 - Year	35300	917.08	939.51		940.7	0.002228	9.99	4867.89	368.42	0.4
Reach 2	554312	50 - Year	80482	917.08	950.32		952.13	0.002052	12.92	9690.63	590.48	0.42
Reach 2	554312	100 - Year	97465	917.08	953.33		955.26	0.001993	13.58	11593.57	677.62	0.42
Reach 2	554312	500 - Year	138462	917.08	959.1		961.17	0.001867	14.63	15801.74	755.38	0.41
Reach 2	554085	2 - Year	2680	917.27	924.46		924.71	0.002588	3.98	673.77	157.06	0.34
Reach 2	554085	5 - Year	20823	917.27	934.12		935	0.002236	7.89	3113.78	317.09	0.38
Reach 2	554085	10 - Year	35300	917.27	939.09		940.21	0.001965	9.13	4783.9	352.79	0.38
Reach 2	554085	50 - Year	80482	917.27	949.9		951.69	0.001822	11.97	9551.3	617.7	0.39
Reach 2	554085	100 - Year	97465	917.27	952.95		954.82	0.001746	12.52	11596.81	710.11	0.39
Reach 2	554085	500 - Year	138462	917.27	958.75		960.76	0.001636	13.54	15896.28	766.05	0.39
Reach 2	553778	2 - Year	2680	915.13	923.9		924.08	0.001564	3.47	812.57	193.46	0.27
Reach 2	553778	5 - Year	20823	915.13	933.66		934.36	0.001694	7.36	3587.33	330.54	0.34
Reach 2	553778	10 - Year	35300	915.13	938.7		939.61	0.001586	8.65	5360.78	371.63	0.34
Reach 2	553778	50 - Year	80482	915.13	949.45		951.11	0.001758	12.14	10357.99	664.74	0.39
Reach 2	553778	100 - Year	97465	915.13	952.59		954.25	0.001616	12.42	12549.41	714.78	0.38
Reach 2	553778	500 - Year	138462	915.13	958.46		960.22	0.001494	13.29	16927.73	773.18	0.37
Reach 2	553488	2 - Year	2680	914.14	922.95		923.3	0.005444	4.72	574.22	205.27	0.47
Reach 2	553488	5 - Year	20823	914.14	933.07		933.82	0.002031	7.43	3388.66	346.92	0.36
Reach 2	553488	10 - Year	35300	914.14	938.21		939.14	0.001723	8.52	5650.01	534.84	0.35
Reach 2	553488	50 - Year	80482	914.14	949.48		950.51	0.001198	9.77	13111.41	816.5	0.32
Reach 2	553488	100 - Year	97465	914.14	952.58		953.7	0.001169	10.32	15785.76	888.2	0.32
Reach 2	553488	500 - Year	138462	914.14	958.49		959.69	0.00109	11.13	21336.93	987.67	0.32
Reach 2	553141	2 - Year	2680	914.01	921.09		921.45	0.005181	4.84	553.76	190.85	0.5
Reach 2	553141	5 - Year	20823	914.01	932.57		933.25	0.001267	6.88	3464.07	302.87	0.32
Reach 2	553141	10 - Year	35300	914.01	937.67		938.64	0.001228	8.31	5171.69	374.2	0.33
Reach 2	553141	50 - Year	80482	914.01	948.61		950.07	0.001137	10.77	11334.51	739.37	0.34
Reach 2	553141	100 - Year	97465	914.01	951.75		953.27	0.001083	11.23	13778.18	817.19	0.34
Reach 2	553141	500 - Year	138462	914.01	957.59		959.28	0.001049	12.3	19158.83	988.71	0.35

Reach 2	552657	2 - Year	2680	910.63	919.96		920.14	0.001562	3.38	792.35	188.7	0.29
Reach 2	552657	5 - Year	20823	910.63	932.17		932.72	0.000845	6	3808.67	333.15	0.27
Reach 2	552657	10 - Year	35300	910.63	937.32		938.09	0.000857	7.29	5737.98	403.97	0.28
Reach 2	552657	50 - Year	80482	910.63	948.24		949.54	0.000903	9.91	10827.92	548.1	0.31
Reach 2	552657	100 - Year	97465	910.63	951.3		952.79	0.000931	10.69	12616.35	618.47	0.32
Reach 2	552657	500 - Year	138462	910.63	956.74		958.74	0.001076	12.66	16608.51	856.3	0.35
Reach 2	552343	2 - Year	2680	908.52	919.46		919.67	0.001377	3.69	727.11	137.42	0.28
Reach 2	552343	5 - Year	20823	908.52	931.67		932.39	0.001128	7	3437.14	303.4	0.31
Reach 2	552343	10 - Year	35300	908.52	936.72		937.75	0.001179	8.58	5117.62	365.2	0.33
Reach 2	552343	50 - Year	80482	908.52	947.35		949.16	0.001299	11.83	9646.3	524.04	0.37
Reach 2	552343	100 - Year	97465	908.52	950.36		952.39	0.001331	12.71	11329.48	593.79	0.38
Reach 2	552343	500 - Year	138462	908.52	955.57		958.28	0.001537	15	15086.04	830.49	0.42
Reach 2	552071	2 - Year	2680	909.08	919.15		919.33	0.001115	3.39	789.89	143.71	0.26
Reach 2	552071	5 - Year	20823	909.08	931.22		932.07	0.001205	7.58	3152.22	256	0.32
Reach 2	552071	10 - Year	35300	909.08	936.09		937.38	0.001381	9.57	4682.7	356.93	0.36
Reach 2	552071	50 - Year	80482	909.08	946.55		948.74	0.001554	13.14	9010.15	506.49	0.41
Reach 2	552071	100 - Year	97465	909.08	949.41		951.95	0.001646	14.3	10619.39	613.24	0.42
Reach 2	552071	500 - Year	138462	909.08	954.62		957.79	0.001823	16.49	14340.91	792.88	0.46
Reach 2	551845	2 - Year	2680	909.08	918.74		919.02	0.001594	4.24	631.47	105.2	0.31
Reach 2	551845	5 - Year	20823	909.08	930.3		931.66	0.002179	9.54	2488.98	243.45	0.42
Reach 2	551845	10 - Year	35300	909.08	934.94		936.91	0.00238	11.82	3797.6	318.11	0.46
Reach 2	551845	50 - Year	80482	909.08	945.21		948.23	0.002418	15.58	7738.33	466.71	0.49
Reach 2	551845	100 - Year	97465	909.08	947.76		951.38	0.002652	17.2	9059.55	586.96	0.52
Reach 2	551845	500 - Year	138462	909.08	953.09		957.21	0.002695	19.13	12721.74	750.12	0.54
Reach 2	551577	2 - Year	2680	906.97	918.32		918.59	0.001573	4.16	644.42	110.45	0.3
Reach 2	551577	5 - Year	20823	906.97	929.73		931.08	0.002098	9.58	2528.58	236.51	0.42
Reach 2	551577	10 - Year	35300	906.97	934.21		936.27	0.002423	12.09	3756.29	312.99	0.47
Reach 2	551577	50 - Year	80482	906.97	944.09		947.51	0.002707	16.53	7633.61	542.25	0.52
Reach 2	551577	100 - Year	97465	906.97	946.89		950.65	0.002744	17.64	9389.68	696.75	0.54
Reach 2	551577	500 - Year	138462	906.97	952.75		956.39	0.002431	18.48	14072.03	864.88	0.52
Reach 2	551296	2 - Year	2680	906.41	918.07		918.23	0.000817	3.22	831.6	128.08	0.22
Reach 2	551296	5 - Year	20823	906.41	929.36		930.45	0.001534	8.57	2793.49	255.67	0.36
Reach 2	551296	10 - Year	35300	906.41	933.81		935.49	0.001846	10.92	4117.37	324.49	0.41
Reach 2	551296	50 - Year	80482	906.41	943.71		946.56	0.002135	15.05	8254.15	680.61	0.47
Reach 2	551296	100 - Year	97465	906.41	946.45		949.72	0.002262	16.37	10492.16	873	0.49
Reach 2	551296	500 - Year	138462	906.41	952.59		955.39	0.00183	16.41	16512.44	1036.77	0.45
Reach 2	551021	2 - Year	2680	907.29	917.87		918	0.000733	2.97	903.7	146.84	0.21
Reach 2	551021	5 - Year	20823	907.29	929.11		929.96	0.001218	7.59	3174.21	275.77	0.32
Reach 2	551021	10 - Year	35300	907.29	933.53		934.88	0.001482	9.74	4486.69	318.29	0.37
Reach 2	551021	50 - Year	80482	907.29	943.28		945.91	0.001902	14.15	8477.44	595.63	0.45
Reach 2	551021	100 - Year	97465	907.29	946.16		948.91	0.001861	14.84	10257.05	637.84	0.45
Reach 2	551021	500 - Year	138462	907.29	951.37		954.72	0.002011	16.95	13854.54	786.84	0.48
Reach 2	550866	2 - Year	2680	909.26	917.74		917.87	0.000972	2.85	940.93	205.75	0.23
Reach 2	550866	5 - Year	20823	909.26	929.09		929.66	0.000878	6.17	3713.83	279.74	0.27
Reach 2	550866	10 - Year	35300	909.26	933.54		934.48	0.00107	8.02	5013.54	310.23	0.31
Reach 2	550866	50 - Year	80482	909.26	943.38		945.31	0.001364	11.76	8849.29	516.67	0.38
Reach 2	550866	100 - Year	97465	909.26	946.19		948.38	0.00141	12.69	10405.02	586.47	0.39
Reach 2	550866	500 - Year	138462	909.26	951.37		954.16	0.001559	14.69	13893.49	728.21	0.42
Reach 2	550603	2 - Year	2680	907.63	917.31		917.52	0.001576	3.67	732.4	164.96	0.3
Reach 2	550603	5 - Year	20823	907.63	928.89		929.4	0.000916	6.37	4323.71	352.91	0.28
Reach 2	550603	10 - Year	35300	907.63	933.34		934.13	0.001057	8.03	5954.22	379.47	0.31
Reach 2	550603	50 - Year	80482	907.63	943.29		944.75	0.001236	11.28	10533.03	581.44	0.36

Reach 2	550603	100 - Year	97465	907.63	946.12		947.78	0.001278	12.17	12337.91	707	0.37
Reach 2	550603	500 - Year	138462	907.63	951.4		953.42	0.001363	13.86	16533	842.45	0.39
Reach 2	550372	2 - Year	2680	905.36	917.14		917.27	0.000599	2.91	922.41	137.94	0.19
Reach 2	550372	5 - Year	20823	905.36	928.7		929.2	0.000792	6.4	4806.91	497.59	0.26
Reach 2	550372	10 - Year	35300	905.36	933.22		933.83	0.00081	7.49	7096.4	532.6	0.27
Reach 2	550372	50 - Year	80482	905.36	943.38		944.22	0.000779	9.36	13703.72	704.83	0.29
Reach 2	550372	100 - Year	97465	905.36	946.26		947.19	0.000785	9.93	15782.07	741.8	0.29
Reach 2	550372	500 - Year	138462	905.36	951.59		952.76	0.000856	11.37	20029.62	830.49	0.31
Reach 2	549991	2 - Year	2679	906.48	916.8		916.98	0.000925	3.46	773.74	99.71	0.22
Reach 2	549991	5 - Year	20816	906.48	928.18		928.84	0.001379	7.67	4520.56	648.5	0.31
Reach 2	549991	10 - Year	35103	906.48	933		933.54	0.001011	7.62	7724.78	676.96	0.27
Reach 2	549991	50 - Year	80533	906.48	943.33		943.93	0.000782	8.51	15081.63	753.26	0.26
Reach 2	549991	100 - Year	97623	906.48	946.24		946.9	0.000768	8.9	17299.05	769.98	0.26
Reach 2	549991	500 - Year	138638	906.48	951.6		952.43	0.000816	10.04	21505.51	800.7	0.27
Reach 2	549840	2 - Year	2679	906.71	916.66		916.84	0.000973	3.46	774.77	102.99	0.22
Reach 2	549840	5 - Year	20816	906.71	927.45		928.54	0.002149	9.01	3370.35	587.8	0.38
Reach 2	549840	10 - Year	35103	906.71	932.53		933.33	0.001414	8.66	6583.37	659.98	0.32
Reach 2	549840	50 - Year	80533	906.71	943.03		943.78	0.000964	9.21	14209.11	809.06	0.28
Reach 2	549840	100 - Year	97623	906.71	945.92		946.74	0.000987	9.86	16670.65	906.7	0.29
Reach 2	549840	500 - Year	138638	906.71	951.34		952.27	0.000988	10.83	21870.9	1014.1	0.3
Reach 2	549637	2 - Year	2679	905.81	916.3		916.57	0.001804	4.19	639.21	102.19	0.3
Reach 2	549637	5 - Year	20816	905.81	926.73		928.02	0.002833	9.8	3009.32	504.84	0.43
Reach 2	549637	10 - Year	35103	905.81	932.1		933	0.001695	9.2	6207.97	656.29	0.35
Reach 2	549637	50 - Year	80533	905.81	942.78		943.57	0.001056	9.52	13944.4	815.24	0.3
Reach 2	549637	100 - Year	97623	905.81	945.72		946.54	0.001004	9.84	16404.64	859.68	0.29
Reach 2	549637	500 - Year	138638	905.81	951.12		952.07	0.001001	10.81	21253.76	935.55	0.3
Reach 2	549399	2 - Year	2679	906.78	915.82		916.14	0.001772	4.52	593.22	99.83	0.32
Reach 2	549399	5 - Year	20816	906.78	925.99		927.37	0.002614	10.21	2691.53	295.5	0.46
Reach 2	549399	10 - Year	35103	906.78	931.09		932.51	0.00211	11.1	5106.71	563.56	0.43
Reach 2	549399	50 - Year	80533	906.78	942.11		943.27	0.001233	11.29	11978.02	695.34	0.35
Reach 2	549399	100 - Year	97623	906.78	945.03		946.25	0.001179	11.71	14091.68	751.77	0.35
Reach 2	549399	500 - Year	138638	906.78	950.35		951.77	0.001193	12.96	18402.71	861.24	0.36
Reach 2	549081	2 - Year	2679	905.85	915.66		915.78	0.000594	2.78	973.52	160.55	0.19
Reach 2	549081	5 - Year	20816	905.85	925.68		926.64	0.00145	8.08	2876.74	219.27	0.35
Reach 2	549081	10 - Year	35103	905.85	930.14		931.86	0.001862	10.74	4028.03	447.79	0.41
Reach 2	549081	50 - Year	80533	905.85	940.48		942.71	0.001703	13.42	9183.02	555.06	0.42
Reach 2	549081	100 - Year	97623	905.85	943.23		945.68	0.001734	14.32	10787.84	618.51	0.43
Reach 2	549081	500 - Year	138638	905.85	948.16		951.15	0.001891	16.37	14324.7	789.77	0.46
Reach 2	548689	2 - Year	2679	905.03	915.52		915.59	0.000315	2.13	1281.26	194.99	0.14
Reach 2	548689	5 - Year	20816	905.03	925.37		926.04	0.000947	6.65	3409.51	241.91	0.29
Reach 2	548689	10 - Year	35103	905.03	929.84		930.99	0.00121	8.8	4696.98	402.74	0.34
Reach 2	548689	50 - Year	80533	905.03	940.08		941.94	0.001311	11.89	9600.78	567.86	0.37
Reach 2	548689	100 - Year	97623	905.03	942.78		944.91	0.001381	12.9	11281.6	697.97	0.39
Reach 2	548689	500 - Year	138638	905.03	947.72		950.27	0.001489	14.65	15336.86	880.8	0.41
Reach 2	548486	2 - Year	2679	906.8	915.37		915.49	0.000767	2.8	958.08	181.17	0.21
Reach 2	548486	5 - Year	20816	906.8	924.9		925.78	0.001471	7.64	2932.44	247.31	0.35
Reach 2	548486	10 - Year	35103	906.8	929.29		930.68	0.001683	9.71	4229.93	404.25	0.39
Reach 2	548486	50 - Year	80533	906.8	939.61		941.63	0.001578	12.51	9192.33	574.79	0.4
Reach 2	548486	100 - Year	97623	906.8	942.3		944.59	0.001634	13.49	10878.84	692.46	0.42
Reach 2	548486	500 - Year	138638	906.8	947.26		949.94	0.001707	15.16	14918.77	876.3	0.44
Reach 2	548214	2 - Year	2679	906.42	915.14		915.27	0.000837	2.94	911.37	167.24	0.22
Reach 2	548214	5 - Year	20816	906.42	924.4		925.35	0.001682	7.88	2816.96	250.61	0.37

Reach 2	548214	10 - Year	35103	906.42	928.76		930.2	0.001843	9.86	4133	366.35	0.4
Reach 2	548214	50 - Year	80533	906.42	939.06		941.18	0.001702	12.72	8783.73	545.85	0.42
Reach 2	548214	100 - Year	97623	906.42	941.72		944.12	0.001756	13.7	10374.74	655.74	0.43
Reach 2	548214	500 - Year	138638	906.42	946.49		949.42	0.0019	15.66	13988.26	844.54	0.46
Reach 2	547874	2 - Year	2679	907.67	914.87		914.96	0.000849	2.47	1087.01	269.27	0.21
Reach 2	547874	5 - Year	20816	907.67	924.23		924.7	0.000902	5.6	4096.61	375.6	0.27
Reach 2	547874	10 - Year	35103	907.67	928.71		929.39	0.000923	6.86	5923.84	436.3	0.29
Reach 2	547874	50 - Year	80533	907.67	939.13		940.29	0.000908	9.23	11014.07	561.21	0.31
Reach 2	547874	100 - Year	97623	907.67	941.8		943.18	0.000972	10.13	12634.84	669.22	0.32
Reach 2	547874	500 - Year	138638	907.67	946.54		948.4	0.00113	12.01	16269.41	873.86	0.35
Reach 2	547479	2 - Year	2679	907.33	914.23		914.42	0.002462	3.52	761.18	246.94	0.35
Reach 2	547479	5 - Year	20816	907.33	923.74		924.29	0.001193	6.18	3801.9	357.09	0.31
Reach 2	547479	10 - Year	35103	907.33	928.2		928.98	0.001168	7.48	5472.16	393.55	0.32
Reach 2	547479	50 - Year	80533	907.33	938.24		939.83	0.001306	10.76	10162.26	787.56	0.36
Reach 2	547479	100 - Year	97623	907.33	941.16		942.75	0.001206	11.06	12509.86	820.47	0.36
Reach 2	547479	500 - Year	138638	907.33	946.15		947.94	0.001197	12.21	16699.9	855.96	0.36
Reach 2	547092	2 - Year	2679	902.84	913.65		913.81	0.00107	3.27	820.07	153.08	0.25
Reach 2	547092	5 - Year	20816	902.84	922.6		923.65	0.002043	8.45	2826.55	304.27	0.4
Reach 2	547092	10 - Year	35103	902.84	926.91		928.33	0.002044	10.13	4210.16	338.3	0.42
Reach 2	547092	50 - Year	80533	902.84	936.7		939.12	0.002113	13.75	8234.27	549.01	0.46
Reach 2	547092	100 - Year	97623	902.84	939.26		942.02	0.002203	14.89	9794.51	678.95	0.48
Reach 2	547092	500 - Year	138638	902.84	944.13		947.21	0.002198	16.42	13466.14	800.22	0.49
Reach 2	546894	2 - Year	2679	900.66	913.44		913.61	0.000986	3.25	825.58	145.05	0.24
Reach 2	546894	5 - Year	20816	900.66	922		923.2	0.002337	9.1	2695.22	299.9	0.43
Reach 2	546894	10 - Year	35103	900.66	926.29		927.88	0.002327	10.85	4059.68	336.68	0.45
Reach 2	546894	50 - Year	80533	900.66	936.01		938.65	0.002389	14.61	7951.48	524.04	0.49
Reach 2	546894	100 - Year	97623	900.66	938.46		941.52	0.002536	15.92	9426.25	655.15	0.51
Reach 2	546894	500 - Year	138638	900.66	943.38		946.72	0.002481	17.4	12878.44	741.47	0.52
Reach 2	546482	2 - Year	2679	898.91	913.4		913.45	0.000145	1.73	1554.19	176.07	0.1
Reach 2	546482	5 - Year	20816	898.91	921.8		922.46	0.000935	6.72	3553.77	294.46	0.28
Reach 2	546482	10 - Year	35103	898.91	925.99		927.07	0.001193	8.73	4880.52	338.69	0.33
Reach 2	546482	50 - Year	80533	898.91	935.59		937.71	0.00158	12.78	8883.61	561.8	0.4
Reach 2	546482	100 - Year	97623	898.91	938.01		940.52	0.001735	14.07	10402.78	699.15	0.42
Reach 2	546482	500 - Year	138638	898.91	942.87		945.74	0.001813	15.71	14044.62	790.53	0.44
Reach 2	546012	2 - Year	2679	905.74	913.03		913.25	0.003006	3.81	741.23	272.8	0.38
Reach 2	546012	5 - Year	20816	905.74	921.06		921.83	0.002041	7.41	3261.42	342.9	0.39
Reach 2	546012	10 - Year	35103	905.74	925.32		926.38	0.001848	8.76	4783.21	370.35	0.39
Reach 2	546012	50 - Year	80533	905.74	935.05		936.85	0.001718	11.71	9161.9	602.93	0.41
Reach 2	546012	100 - Year	97623	905.74	937.54		939.56	0.001745	12.57	10814.58	710.86	0.42
Reach 2	546012	500 - Year	138638	905.74	942.38		944.76	0.001769	14.09	14518.05	808.5	0.44
Reach 2	545606	2 - Year	2679	903.21	911.98		912.16	0.00235	3.67	965.3	397.93	0.34
Reach 2	545606	5 - Year	20816	903.21	920.62		921.07	0.001334	6.32	4563.7	433.98	0.32
Reach 2	545606	10 - Year	35103	903.21	925		925.63	0.001271	7.57	6512.77	456.57	0.33
Reach 2	545606	50 - Year	80533	903.21	934.93		936.06	0.001256	10.3	11681.28	613.56	0.35
Reach 2	545606	100 - Year	97623	903.21	937.43		938.74	0.001318	11.21	13276.89	658.29	0.37
Reach 2	545606	500 - Year	138638	903.21	942.16		943.92	0.001494	13.19	16567.94	734.05	0.4
Reach 2	545296	2 - Year	2679	903.55	911.24		911.43	0.002334	3.74	904.12	359.43	0.35
Reach 2	545296	5 - Year	20816	903.55	920.13		920.65	0.001403	6.62	4254.75	396.39	0.33
Reach 2	545296	10 - Year	35103	903.55	924.48		925.22	0.001377	8	6051.65	430.63	0.34
Reach 2	545296	50 - Year	80533	903.55	934.34		935.64	0.001371	10.85	10866.19	552.32	0.37
Reach 2	545296	100 - Year	97623	903.55	936.76		938.29	0.00146	11.86	12232.12	581.85	0.39
Reach 2	545296	500 - Year	138638	903.55	941.24		943.39	0.001735	14.22	15070.91	686.6	0.43

Reach 2	544989	2 - Year	2679	904.31	910.28		910.6	0.003089	4.64	697.24	313.81	0.41
Reach 2	544989	5 - Year	20816	904.31	919.48		920.15	0.001753	7.72	3975.32	399.68	0.37
Reach 2	544989	10 - Year	35103	904.31	923.83		924.73	0.001685	9.14	5784.56	431.17	0.38
Reach 2	544989	50 - Year	80533	904.31	933.66		935.15	0.001659	12.2	10515.91	544.14	0.41
Reach 2	544989	100 - Year	97623	904.31	936.01		937.77	0.001782	13.35	11838.73	584.34	0.43
Reach 2	544989	500 - Year	138638	904.31	940.25		942.76	0.002172	16.11	14625.35	736.13	0.49
Reach 2	544621	2 - Year	2679	902.59	909.32		909.63	0.002251	4.58	656.69	187.51	0.36
Reach 2	544621	5 - Year	20816	902.59	918.36		919.37	0.002377	9.35	3383.05	372.54	0.44
Reach 2	544621	10 - Year	35103	902.59	922.7		923.98	0.002262	10.92	5141.56	435.64	0.45
Reach 2	544621	50 - Year	80533	902.59	932.65		934.46	0.00202	13.77	10450.99	675	0.46
Reach 2	544621	100 - Year	97623	902.59	935.03		937.04	0.002083	14.75	12185.27	761.31	0.47
Reach 2	544621	500 - Year	138638	902.59	939.46		941.93	0.002275	16.87	15876.48	910.36	0.5
Reach 2	544204	2 - Year	2679	899.86	908.67		908.9	0.001337	3.88	751.49	161.68	0.28
Reach 2	544204	5 - Year	20816	899.86	917.44		918.41	0.002134	9.06	3517.51	394.34	0.42
Reach 2	544204	10 - Year	35103	899.86	921.88		923.06	0.001977	10.41	5346.53	429.1	0.42
Reach 2	544204	50 - Year	80533	899.86	931.85		933.62	0.001885	13.47	10209.02	572.51	0.44
Reach 2	544204	100 - Year	97623	899.86	934.05		936.16	0.002075	14.83	11549.74	651.04	0.47
Reach 2	544204	500 - Year	138638	899.86	938.1		940.9	0.002455	17.51	14408.51	749.17	0.52
Reach 2	543822	2 - Year	2679	899.45	908.02		908.28	0.001957	4.13	691.01	174.35	0.33
Reach 2	543822	5 - Year	20816	899.45	916.6		917.57	0.002318	8.91	3315.75	362.29	0.43
Reach 2	543822	10 - Year	35103	899.45	921.07		922.29	0.002102	10.29	5034.94	406.93	0.43
Reach 2	543822	50 - Year	80533	899.45	931.01		932.89	0.001965	13.36	9876.61	626.65	0.45
Reach 2	543822	100 - Year	97623	899.45	933.2		935.37	0.002107	14.55	11348.4	703.21	0.47
Reach 2	543822	500 - Year	138638	899.45	937.18		939.98	0.002436	17	14271.5	758.57	0.51
Reach 2	543411	2 - Year	2679	899.62	906.87		907.19	0.003776	4.63	647.41	259.75	0.44
Reach 2	543411	5 - Year	20816	899.62	915.76		916.61	0.002172	8.17	3288.38	328.65	0.41
Reach 2	543411	10 - Year	35103	899.62	920.27		921.42	0.00201	9.67	4910.95	392.03	0.41
Reach 2	543411	50 - Year	80533	899.62	930.2		932.08	0.001919	12.86	10010.35	777.61	0.44
Reach 2	543411	100 - Year	97623	899.62	932.47		934.49	0.001934	13.63	11824.38	815.95	0.45
Reach 2	543411	500 - Year	138638	899.62	936.52		938.94	0.00209	15.45	15164.04	832.37	0.47
Reach 2	542989	2 - Year	2679	898.33	905.32		905.63	0.003596	4.54	607.05	197.66	0.43
Reach 2	542989	5 - Year	20816	898.33	914.69		915.68	0.002203	8.46	2995.02	314.34	0.42
Reach 2	542989	10 - Year	35103	898.33	919.27		920.57	0.002026	9.94	4553.5	368.92	0.42
Reach 2	542989	50 - Year	80533	898.33	928.99		931.23	0.002088	13.55	9321.1	723.68	0.46
Reach 2	542989	100 - Year	97623	898.33	931.11		933.61	0.00219	14.59	10927.6	805.76	0.48
Reach 2	542989	500 - Year	138638	898.33	934.97		937.98	0.002416	16.65	14274.77	902.73	0.51
Reach 2	542607	2 - Year	2679	897.91	904.16		904.42	0.002759	4.08	661.46	197.74	0.38
Reach 2	542607	5 - Year	20816	897.91	914.19		914.92	0.001521	7.29	3532.91	345.37	0.35
Reach 2	542607	10 - Year	35103	897.91	918.84		919.83	0.001471	8.72	5257.42	399.35	0.36
Reach 2	542607	50 - Year	80533	897.91	928.55		930.42	0.001674	12.35	10743.63	897.04	0.41
Reach 2	542607	100 - Year	97623	897.91	930.75		932.74	0.001699	13.09	12795.49	963.27	0.42
Reach 2	542607	500 - Year	138638	897.91	934.7		937	0.001815	14.68	16691	996.05	0.44
Reach 2	542225	2 - Year	2679	896.17	903.1		903.4	0.00254	4.44	603.89	135.93	0.37
Reach 2	542225	5 - Year	20816	896.17	913.34		914.27	0.001877	8.3	3283.73	348.91	0.39
Reach 2	542225	10 - Year	35103	896.17	918.04		919.22	0.00175	9.69	5027.15	397.57	0.39
Reach 2	542225	50 - Year	80533	896.17	927.26		929.65	0.00223	14.24	9689.05	812.15	0.47
Reach 2	542225	100 - Year	97623	896.17	929.34		931.95	0.002315	15.22	11557.3	919.66	0.49
Reach 2	542225	500 - Year	138638	896.17	933.31		936.17	0.00239	16.78	15256.9	945.07	0.51
Reach 2	541899	2 - Year	2679	892.89	902.43		902.68	0.001865	4.03	685.34	168.6	0.32
Reach 2	541899	5 - Year	20816	892.89	912.88		913.68	0.001563	7.93	3630.81	364.55	0.36
Reach 2	541899	10 - Year	35103	892.89	917.61		918.66	0.00153	9.39	5526.21	437.7	0.37
Reach 2	541899	50 - Year	80533	892.89	926.82		928.89	0.001984	13.76	10810.99	890.18	0.45
Reach 2	541899	100 - Year	97623	892.89	929.02		931.13	0.001952	14.32	12792.4	907.99	0.45

Reach 2	541899	500 - Year	138638	892.89	932.92		935.34	0.0021	16.06	16383.28	936.05	0.48
Reach 2	541480	2 - Year	2679	892.07	901.7		901.93	0.001693	3.8	714.79	161.86	0.31
Reach 2	541480	5 - Year	20816	892.07	912.11		913.01	0.001655	8.11	3349.7	351.21	0.37
Reach 2	541480	10 - Year	35103	892.07	916.84		918	0.001606	9.57	5149.25	422.96	0.38
Reach 2	541480	50 - Year	80533	892.07	926.19		928.06	0.001769	12.98	11293.62	960.38	0.42
Reach 2	541480	100 - Year	97623	892.07	928.39		930.32	0.001762	13.59	13456.5	1029.7	0.43
Reach 2	541480	500 - Year	138638	892.07	932.29		934.46	0.001873	15.15	17694.41	1122.88	0.45
Reach 2	541077	2 - Year	2679	892.47	901.19		901.35	0.001166	3.28	817.02	161.17	0.26
Reach 2	541077	5 - Year	20816	892.47	911.56		912.37	0.001432	7.42	3286.07	344.91	0.34
Reach 2	541077	10 - Year	35103	892.47	916.3		917.39	0.001403	8.83	5126.64	424.71	0.35
Reach 2	541077	50 - Year	80533	892.47	925.77		927.36	0.001421	11.56	11886.51	1070.12	0.38
Reach 2	541077	100 - Year	97623	892.47	927.96		929.63	0.00143	12.18	14421.75	1193.46	0.38
Reach 2	541077	500 - Year	138638	892.47	931.81		933.73	0.001545	13.68	19344.37	1332.26	0.41
Reach 2	540607	2 - Year	2679	892.24	900.52		900.73	0.00147	3.68	727.72	145.39	0.29
Reach 2	540607	5 - Year	20816	892.24	910.4		911.54	0.002027	8.74	2682.85	260.38	0.41
Reach 2	540607	10 - Year	35103	892.24	914.85		916.52	0.002154	10.78	4016.01	343.16	0.44
Reach 2	540607	50 - Year	80533	892.24	924.37		926.53	0.001942	13.44	10716.45	1144.74	0.44
Reach 2	540607	100 - Year	97623	892.24	926.67		928.81	0.001866	13.88	13608.2	1323.33	0.44
Reach 2	540607	500 - Year	138638	892.24	930.82		932.93	0.001781	14.75	19193.72	1362.35	0.44
Reach 2	540257	2 - Year	2679	891.44	900.46		900.52	0.000237	1.91	1401.1	192.36	0.12
Reach 2	540257	5 - Year	20816	891.44	910.37		910.95	0.000797	6.18	3690.59	286.89	0.26
Reach 2	540257	10 - Year	35103	891.44	914.85		915.81	0.001	8.07	5059.36	357.58	0.3
Reach 2	540257	50 - Year	80533	891.44	924.12		925.86	0.001266	11.5	11127.16	1127.89	0.36
Reach 2	540257	100 - Year	97623	891.44	926.3		928.2	0.001326	12.31	13725.06	1242.22	0.38
Reach 2	540257	500 - Year	138638	891.44	930.21		932.37	0.001448	13.86	18618.11	1258.53	0.4
Reach 2	539809	2 - Year	2679	892.16	900.31		900.38	0.000385	2.23	1202.27	186.21	0.15
Reach 2	539809	5 - Year	20816	892.16	909.84		910.53	0.001067	6.73	3305.31	255.94	0.3
Reach 2	539809	10 - Year	35103	892.16	914.14		915.28	0.001309	8.75	4500.41	300.24	0.34
Reach 2	539809	50 - Year	80533	892.16	922.6		925.1	0.001896	13.31	8659.71	939.66	0.44
Reach 2	539809	100 - Year	97623	892.16	924.42		927.36	0.002119	14.67	10480.47	1125.86	0.47
Reach 2	539809	500 - Year	138638	892.16	928.09		931.46	0.002319	16.56	14790.3	1203.64	0.5
Reach 2	539472	2 - Year	2679	891.84	900.2		900.27	0.000304	2.09	1284.34	182.67	0.14
Reach 2	539472	5 - Year	20816	891.84	909.48		910.16	0.001104	6.67	3159.62	221.59	0.3
Reach 2	539472	10 - Year	35103	891.84	913.62		914.82	0.001403	8.81	4179.53	305.27	0.35
Reach 2	539472	50 - Year	80533	891.84	921.84	911.09	924.44	0.002025	13.38	8211.5	872.58	0.45
Reach 2	539472	100 - Year	97623	891.84	923.6	914.01	926.62	0.002252	14.7	10351.44	1294.84	0.48
Reach 2	539472	500 - Year	138638	891.84	927.45		930.63	0.002291	16.09	15599.39	1382.45	0.49
Reach 2	539155	2 - Year	2679	891.17	900.12		900.17	0.000263	1.92	1396.02	202.62	0.13
Reach 2	539155	5 - Year	20816	891.17	909.22		909.81	0.000948	6.19	3422.61	253.87	0.28
Reach 2	539155	10 - Year	35103	891.17	913.34		914.36	0.001195	8.15	4555.1	291.64	0.33
Reach 2	539155	50 - Year	80533	891.17	921.42		923.75	0.001807	12.62	8834.39	1254.73	0.42
Reach 2	539155	100 - Year	97623	891.17	923.27		925.82	0.001913	13.56	11354.53	1378.14	0.44
Reach 2	539155	500 - Year	138638	891.17	927.11		929.81	0.001953	14.87	16680.13	1394.14	0.45
Reach 2	538825	2 - Year	2679	891.64	900.01		900.07	0.000333	2.06	1298.19	202.28	0.14
Reach 2	538825	5 - Year	20816	891.64	908.85		909.48	0.001057	6.4	3464.14	306.55	0.29
Reach 2	538825	10 - Year	35103	891.64	912.94		913.95	0.001255	8.21	4955.99	411.84	0.33
Reach 2	538825	50 - Year	80533	891.64	920.95		923.1	0.001788	12.41	9979.71	1415.12	0.42
Reach 2	538825	100 - Year	97623	891.64	922.89		925.11	0.001805	13.06	12757.49	1454.18	0.43
Reach 2	538825	500 - Year	138638	891.64	926.76		929.1	0.001813	14.24	18570.07	1565.95	0.44
Reach 2	538533	2 - Year	2679	893.42	899.81		899.92	0.000881	2.64	1015.31	238.22	0.22
Reach 2	538533	5 - Year	20816	893.42	908.63		909.13	0.001069	6.03	4289.66	435.91	0.29
Reach 2	538533	10 - Year	35103	893.42	912.81		913.52	0.001088	7.31	6154.77	455.89	0.31

Reach 2	538533	50 - Year	80533	893.42	921.11		922.4	0.001295	10.34	12020.41	1336.15	0.36
Reach 2	538533	100 - Year	97623	893.42	922.97		924.42	0.001381	11.18	14731.59	1522.41	0.38
Reach 2	538533	500 - Year	138638	893.42	926.57		928.45	0.001624	13.16	20392.55	1618.72	0.42
Reach 2	537951	2 - Year	2679	893.17	898.3		898.73	0.008305	5.51	542.8	227.62	0.62
Reach 2	537951	5 - Year	20816	893.17	907.69		908.33	0.001788	6.96	3960.11	497.08	0.37
Reach 2	537951	10 - Year	35103	893.17	912.05		912.8	0.001438	7.77	6206.56	535.98	0.35
Reach 2	537951	50 - Year	80533	893.17	920.24		921.58	0.001594	10.86	12715.2	1072.73	0.39
Reach 2	537951	100 - Year	97623	893.17	922.09		923.56	0.001646	11.6	14774.67	1154.33	0.4
Reach 2	537951	500 - Year	138638	893.17	925.68		927.45	0.001784	13.18	19207.08	1358.74	0.43
Reach 2	537372	2 - Year	2678	889.8	896.73		896.85	0.001585	3.05	991.6	281.08	0.29
Reach 2	537372	5 - Year	20807	889.8	907.21		907.58	0.000812	5.32	4816.3	425.02	0.26
Reach 2	537372	10 - Year	34883	889.8	911.55		912.11	0.000861	6.59	6773.6	477.47	0.27
Reach 2	537372	50 - Year	80558	889.8	919.36		920.73	0.001357	10.54	11995.14	941.06	0.37
Reach 2	537372	100 - Year	97784	889.8	920.94		922.61	0.001561	11.77	13545.54	1092.14	0.4
Reach 2	537372	500 - Year	138847	889.8	924.28		926.38	0.001803	13.66	17532.97	1268.72	0.44
Reach 2	536961	2 - Year	2678	887.78	896.37	891.43	896.47	0.000581	2.62	1023.61	164.98	0.19
Reach 2	536961	5 - Year	20807	887.78	906.36	898.2	907.13	0.001271	7.15	3260.77	296.34	0.32
Reach 2	536961	10 - Year	34883	887.78	910.35	901.43	911.57	0.001559	9.21	4631.12	414.47	0.37
Reach 2	536961	50 - Year	80558	887.78	917.71	909.53	919.95	0.002142	13.34	10216.03	1160.27	0.45
Reach 2	536961	100 - Year	97784	887.78	919.39	912.63	921.78	0.002241	14.21	12223	1226.57	0.47
Reach 2	536961	500 - Year	138847	887.78	923.02	918.96	925.52	0.002258	15.44	16863.96	1330.79	0.48
Reach 2	536644	2 - Year	2678	888.23	896.19	891.55	896.29	0.000563	2.54	1054.9	184.09	0.18
Reach 2	536644	5 - Year	20807	888.23	906.03	897.89	906.73	0.001123	6.9	3522.68	321.03	0.31
Reach 2	536644	10 - Year	34883	888.23	909.97	901.06	911.07	0.001374	8.86	4921.93	401.22	0.35
Reach 2	536644	50 - Year	80558	888.23	917.3	908.71	919.22	0.00184	12.66	11179.16	1214.12	0.43
Reach 2	536644	100 - Year	97784	888.23	919.01	911.01	921.01	0.001887	13.36	13274.43	1243.21	0.44
Reach 2	536644	500 - Year	138847	888.23	922.63	918.09	924.74	0.001909	14.54	17891.81	1313.94	0.45
Reach 2	536254	2 - Year	2678	888.15	895.8	891.78	895.98	0.001162	3.36	797.76	153.6	0.26
Reach 2	536254	5 - Year	20807	888.15	905.15	899.01	906.14	0.001882	8.18	2981.66	373.38	0.39
Reach 2	536254	10 - Year	34883	888.15	909.11	902.36	910.43	0.001929	9.8	4744.46	521.04	0.41
Reach 2	536254	50 - Year	80558	888.15	916.87	910	918.43	0.001791	12.03	12289.25	1281.75	0.42
Reach 2	536254	100 - Year	97784	888.15	918.62	912.33	920.19	0.001765	12.48	14555.39	1300.24	0.42
Reach 2	536254	500 - Year	138847	888.15	922.31	917.05	923.92	0.001694	13.31	19418.57	1334.17	0.42
Reach 2	535750	2 - Year	2678	886.78	895.49		895.59	0.000493	2.59	1035.83	153.71	0.18
Reach 2	535750	5 - Year	20807	886.78	904.41		905.28	0.001482	7.8	3269.16	363.62	0.35
Reach 2	535750	10 - Year	34883	886.78	908.3		909.53	0.001664	9.6	4904.82	457.66	0.38
Reach 2	535750	50 - Year	80558	886.78	916.01		917.61	0.001753	12.32	12503.59	1343.89	0.42
Reach 2	535750	100 - Year	97784	886.78	917.86		919.41	0.001689	12.63	15011.76	1369.87	0.41
Reach 2	535750	500 - Year	138847	886.78	921.67		923.19	0.001575	13.25	20333.03	1416.73	0.41
Reach 2	535281	2 - Year	2678	887.83	895.25		895.34	0.000546	2.45	1094.71	199.77	0.18
Reach 2	535281	5 - Year	20807	887.83	903.84		904.58	0.001352	7.12	3398.09	336.62	0.33
Reach 2	535281	10 - Year	34883	887.83	907.6		908.75	0.001596	9.04	4756.47	390.01	0.37
Reach 2	535281	50 - Year	80558	887.83	914.96		916.76	0.001883	12.33	11344.65	1357.57	0.43
Reach 2	535281	100 - Year	97784	887.83	916.85		918.61	0.001805	12.67	13941.03	1383.62	0.43
Reach 2	535281	500 - Year	138847	887.83	920.79		922.46	0.001641	13.21	19459.25	1421.2	0.42
Reach 2	534776	2 - Year	2678	889.63	894.75		894.89	0.001658	3.07	876.08	262.23	0.29
Reach 2	534776	5 - Year	20807	889.63	903.23		903.85	0.001423	6.49	3532.21	357.91	0.33
Reach 2	534776	10 - Year	34883	889.63	906.96		907.9	0.001532	8.08	5003.26	456.47	0.36
Reach 2	534776	50 - Year	80558	889.63	914.29		915.78	0.001679	10.93	11737.41	1350.34	0.4
Reach 2	534776	100 - Year	97784	889.63	916.21		917.68	0.001592	11.22	14354.01	1372	0.4
Reach 2	534776	500 - Year	138847	889.63	920.19		921.63	0.001444	11.8	19891.14	1415.73	0.39
Reach 2	534333	2 - Year	2678	888.39	893.19		893.54	0.007078	4.73	566.04	254.03	0.56

Reach 2	534333	5 - Year	20807	888.39	902.56		903.19	0.001525	6.55	3517.03	403.07	0.34
Reach 2	534333	10 - Year	34883	888.39	906.32		907.21	0.001523	7.9	5169.91	536.8	0.36
Reach 2	534333	50 - Year	80558	888.39	913.74		915.02	0.001509	10.25	12570.31	1351.21	0.38
Reach 2	534333	100 - Year	97784	888.39	915.68		916.96	0.001452	10.62	15243.82	1430.35	0.38
Reach 2	534333	500 - Year	138847	888.39	919.73		920.98	0.001288	11.07	21143.88	1473.16	0.36
Reach 2	533920	2 - Year	2678	885.08	891.61		891.9	0.002499	4.35	615.16	142.52	0.37
Reach 2	533920	5 - Year	20807	885.08	901.82		902.56	0.001596	7.33	3715.25	483.87	0.36
Reach 2	533920	10 - Year	34883	885.08	905.68		906.6	0.001546	8.55	5701.46	621.01	0.36
Reach 2	533920	50 - Year	80558	885.08	913.21		914.42	0.001537	10.88	13917.07	1367.03	0.39
Reach 2	533920	100 - Year	97784	885.08	915.2		916.39	0.001456	11.16	16676.77	1412.97	0.38
Reach 2	533920	500 - Year	138847	885.08	919.31		920.48	0.001316	11.67	22642.63	1473.73	0.37
Reach 2	533509	2 - Year	2678	882.67	890.75		891.02	0.001831	4.2	638.37	120.21	0.32
Reach 2	533509	5 - Year	20807	882.67	900.18		901.61	0.003188	9.64	2332.18	458.55	0.49
Reach 2	533509	10 - Year	34883	882.67	904.1		905.75	0.002816	10.9	4221.69	507.2	0.48
Reach 2	533509	50 - Year	80558	882.67	912.13		913.76	0.002127	12.4	11904.14	1228.53	0.44
Reach 2	533509	100 - Year	97784	882.67	914.13		915.77	0.002045	12.83	14469.38	1351.7	0.44
Reach 2	533509	500 - Year	138847	882.67	918.54		919.98	0.001674	12.88	20641.4	1431.1	0.41
Reach 2	533222	2 - Year	2678	879.36	890.3		890.55	0.001425	4.01	667.52	108.82	0.29
Reach 2	533222	5 - Year	20807	879.36	898.21		900.38	0.005323	11.83	1815.8	262.73	0.61
Reach 2	533222	10 - Year	34883	879.36	901.76	899.28	904.57	0.005232	14.02	3221.27	483.33	0.63
Reach 2	533222	50 - Year	80558	879.36	911.44		913.15	0.002348	13.05	11526.15	1132.93	0.46
Reach 2	533222	100 - Year	97784	879.36	913.51		915.19	0.002223	13.4	13954.14	1222.34	0.46
Reach 2	533222	500 - Year	138847	879.36	917.97		919.51	0.001868	13.61	19739.82	1336.79	0.43
Reach 2	532968	2 - Year	2678	875.41	890.33		890.39	0.000188	2.01	1374.95	164.08	0.11
Reach 2	532968	5 - Year	20807	875.41	898.39		899.41	0.001409	8.27	3072.39	450.79	0.35
Reach 2	532968	10 - Year	34883	875.41	901.98		903.46	0.001755	10.44	4828.66	531.93	0.4
Reach 2	532968	50 - Year	80558	875.41	911.06		912.65	0.001536	12.38	12694.84	1049.73	0.4
Reach 2	532968	100 - Year	97784	875.41	913.08		914.73	0.001562	13.03	14835.24	1076.49	0.4
Reach 2	532968	500 - Year	138847	875.41	917		919.02	0.001774	14.98	19434.45	1294.35	0.44
Reach 2	532635	2 - Year	2678	877.58	890.31		890.34	0.000078	1.41	1944.31	201.12	0.08
Reach 2	532635	5 - Year	20807	877.58	898.4		898.95	0.000693	6.09	3951.75	410.91	0.25
Reach 2	532635	10 - Year	34883	877.58	901.94		902.87	0.000977	8.1	5640.24	520.91	0.3
Reach 2	532635	50 - Year	80558	877.58	910.65		912.17	0.001208	11.21	11979.29	890.47	0.35
Reach 2	532635	100 - Year	97784	877.58	912.42		914.22	0.001376	12.41	13641.32	980.33	0.38
Reach 2	532635	500 - Year	138847	877.58	915.99		918.39	0.001709	14.81	17448.46	1187.6	0.43
Reach 2	532307	2 - Year	2678	874.71	890.29		890.32	0.000058	1.31	2110.1	204.28	0.07
Reach 2	532307	5 - Year	20807	874.71	898.21		898.73	0.000603	5.91	4172.81	359.84	0.23
Reach 2	532307	10 - Year	34883	874.71	901.62		902.56	0.000928	8.14	5646.35	508.68	0.3
Reach 2	532307	50 - Year	80558	874.71	909.88		911.72	0.001376	12.11	11157.12	934.05	0.38
Reach 2	532307	100 - Year	97784	874.71	911.53		913.7	0.001575	13.41	12782.13	1024.17	0.41
Reach 2	532307	500 - Year	138847	874.71	915.07		917.78	0.001873	15.64	16689.76	1174.98	0.45
Reach 2	532024	2 - Year	2678	884	890.16		890.27	0.000641	2.72	1062.48	212.34	0.2
Reach 2	532024	5 - Year	20807	884	897.34		898.38	0.002253	8.68	3147.78	416.37	0.42
Reach 2	532024	10 - Year	34883	884	900.62		902.1	0.002551	10.72	4693.88	513.99	0.47
Reach 2	532024	50 - Year	80558	884	909.18		911.21	0.002337	13.6	10832.53	1010.86	0.48
Reach 2	532024	100 - Year	97784	884	910.9		913.15	0.002484	14.66	12685.59	1125.4	0.5
Reach 2	532024	500 - Year	138847	884	914.58		917.12	0.002598	16.34	17249.42	1358.37	0.52
Reach 2	531741	2 - Year	2678	882.56	889.46		889.86	0.00446	5.26	610.33	252.42	0.48
Reach 2	531741	5 - Year	20807	882.56	896.72		897.58	0.00314	8.77	3468.68	456.14	0.48
Reach 2	531741	10 - Year	34883	882.56	900.02		901.21	0.003156	10.57	5103.27	544.37	0.5
Reach 2	531741	50 - Year	80558	882.56	908.81		910.39	0.002495	13.09	11715.63	1019.93	0.49
Reach 2	531741	100 - Year	97784	882.56	910.56		912.27	0.00257	13.96	13760.98	1278.4	0.5
Reach 2	531741	500 - Year	138847	882.56	914.26		916.2	0.002632	15.53	19040.35	1498.07	0.52

Reach 2	531400	2 - Year	2678	880.9	888.16		888.5	0.003583	4.67	582.33	218.02	0.43
Reach 2	531400	5 - Year	20807	880.9	895.71		896.61	0.002804	8.65	3463.41	480.04	0.46
Reach 2	531400	10 - Year	34883	880.9	899.14		900.27	0.002628	10.02	5185.37	524.82	0.46
Reach 2	531400	50 - Year	80558	880.9	908.08		909.64	0.002178	12.56	11717.95	1156.78	0.46
Reach 2	531400	100 - Year	97784	880.9	909.8		911.51	0.002272	13.45	13795.14	1262.88	0.47
Reach 2	531400	500 - Year	138847	880.9	913.35		915.39	0.002465	15.3	18724.74	1451.9	0.5
Reach 2	531073	2 - Year	2678	879.93	887.48		887.66	0.001768	3.63	873.11	231.15	0.31
Reach 2	531073	5 - Year	20807	879.93	894.9		895.73	0.002574	8.36	3549.69	452.93	0.44
Reach 2	531073	10 - Year	34883	879.93	898.32		899.44	0.002581	9.99	5151.02	500.31	0.46
Reach 2	531073	50 - Year	80558	879.93	907.42		908.95	0.002132	12.52	12185.39	1286.19	0.45
Reach 2	531073	100 - Year	97784	879.93	908.75		910.72	0.002593	14.32	13970.43	1380.02	0.5
Reach 2	531073	500 - Year	138847	879.93	912.85		914.59	0.002141	14.39	19697.13	1410.55	0.47
Reach 2	530708	2 - Year	2678	879.41	886.73		886.94	0.002342	4.04	822.27	235.28	0.35
Reach 2	530708	5 - Year	20807	879.41	894.01		894.79	0.002863	8.24	3491.59	431.36	0.46
Reach 2	530708	10 - Year	34883	879.41	897.44		898.52	0.002794	9.88	5046.46	480.03	0.47
Reach 2	530708	50 - Year	80558	879.41	905.92		908.04	0.003048	14.26	11235	1354.97	0.54
Reach 2	530708	100 - Year	97784	879.41	907.91		909.82	0.002666	14.13	13959.82	1372.85	0.51
Reach 2	530708	500 - Year	138847	879.41	912.23		913.86	0.002099	14	19964.78	1413.33	0.46
Reach 2	530410	2 - Year	2678	878.79	886.23		886.39	0.00144	3.52	971.49	261.72	0.28
Reach 2	530410	5 - Year	20807	878.79	893.22		893.95	0.002642	7.98	3579.05	427.73	0.44
Reach 2	530410	10 - Year	34883	878.79	896.66		897.69	0.002626	9.64	5124.55	474.68	0.46
Reach 2	530410	50 - Year	80558	878.79	905.22		907.1	0.002748	13.62	11727.03	1315.02	0.51
Reach 2	530410	100 - Year	97784	878.79	907.27		909	0.002442	13.61	14484.51	1369.55	0.49
Reach 2	530410	500 - Year	138847	878.79	911.73		913.21	0.00191	13.46	20738.74	1425.33	0.44
Reach 2	530148	2 - Year	2678	880.89	885.37		885.71	0.005787	5.19	651.36	247.66	0.53
Reach 2	530148	5 - Year	20807	880.89	892.21		893.11	0.003936	8.71	3139.66	430.87	0.52
Reach 2	530148	10 - Year	34883	880.89	895.79		896.93	0.00325	9.96	4806.22	497.25	0.5
Reach 2	530148	50 - Year	80558	880.89	904.68		906.35	0.002577	12.77	12020.82	1304.07	0.49
Reach 2	530148	100 - Year	97784	880.89	906.79		908.34	0.002269	12.76	14856	1375.03	0.47
Reach 2	530148	500 - Year	138847	880.89	911.36		912.71	0.001749	12.63	21268.82	1424.18	0.42
Reach 2	529839	2 - Year	2678	876.97	883.43		883.89	0.006082	5.45	491.74	159.11	0.55
Reach 2	529839	5 - Year	20807	876.97	890.85		891.95	0.003646	8.9	2850.24	405.15	0.51
Reach 2	529839	10 - Year	34883	876.97	894.67		895.99	0.002917	9.98	4523.99	473.04	0.48
Reach 2	529839	50 - Year	80558	876.97	904.05		905.66	0.002005	11.81	11988.58	1264.83	0.44
Reach 2	529839	100 - Year	97784	876.97	906.12		907.72	0.00189	12.16	14782.29	1416.82	0.43
Reach 2	529839	500 - Year	138847	876.97	910.86		912.23	0.001473	12.06	21701.78	1489.71	0.39
Reach 2	529551	2 - Year	2678	876.35	882.41		882.66	0.002871	4	676.47	217.63	0.38
Reach 2	529551	5 - Year	20807	876.35	890.16		891.03	0.002403	8.05	3378.89	453.5	0.43
Reach 2	529551	10 - Year	34883	876.35	894.17		895.21	0.002031	9.08	5309	508.31	0.41
Reach 2	529551	50 - Year	80558	876.35	903.57		905.09	0.001751	11.64	13110.56	1461.37	0.41
Reach 2	529551	100 - Year	97784	876.35	905.74		907.16	0.001594	11.75	16382.08	1559.91	0.4
Reach 2	529551	500 - Year	138847	876.35	910.58		911.78	0.001254	11.65	24449.17	1710.7	0.37
Reach 2	529325	2 - Year	2678	876.34	881.53		881.86	0.00439	4.58	585.15	195.48	0.46
Reach 2	529325	5 - Year	20807	876.34	889.59		890.48	0.002472	8.15	3326.65	435.31	0.43
Reach 2	529325	10 - Year	34883	876.34	893.7		894.74	0.002043	9.14	5208.09	480.51	0.41
Reach 2	529325	50 - Year	80558	876.34	903.08		904.67	0.001835	11.94	12808.19	1425.12	0.42
Reach 2	529325	100 - Year	97784	876.34	905.29		906.78	0.001666	12.04	16139.67	1584.45	0.41
Reach 2	529325	500 - Year	138847	876.34	910.32		911.49	0.001232	11.62	24999.69	1859.45	0.36
Reach 2	529063	2 - Year	2678	876	880.15		880.57	0.005503	5.22	512.57	163.97	0.52
Reach 2	529063	5 - Year	20807	876	888.74		889.79	0.002753	8.87	3150.13	424.04	0.46
Reach 2	529063	10 - Year	34883	876	893.03		894.18	0.002182	9.73	5073.9	510.15	0.43
Reach 2	529063	50 - Year	80558	876	902.3		904.14	0.002102	12.97	12572.19	1554.16	0.46

Reach 2	529063	100 - Year	97784	876	904.84		906.35	0.001705	12.46	16845.92	1753.26	0.42
Reach 2	529063	500 - Year	138847	876	910.09		911.15	0.001157	11.52	26385.44	1866.36	0.35
Reach 2	528741	2 - Year	2678	874	879.23		879.47	0.002134	3.9	687.16	167.63	0.34
Reach 2	528741	5 - Year	20807	874	888.05		888.99	0.002115	8.26	3311.36	420.76	0.41
Reach 2	528741	10 - Year	34883	874	892.47		893.53	0.001775	9.22	5506.52	571.62	0.39
Reach 2	528741	50 - Year	80558	874	902.15		903.43	0.001421	11.12	14993.06	1576.25	0.38
Reach 2	528741	100 - Year	97784	874	904.59		905.79	0.001296	11.25	18983.18	1727.66	0.37
Reach 2	528741	500 - Year	138847	874	909.81		910.79	0.000993	10.99	28362.59	1852.55	0.33
Reach 2	528601	2 - Year	2678	873.5	878.94		879.16	0.002201	3.76	712.23	187.82	0.34
Reach 2	528601	5 - Year	20807	873.5	887.93		888.66	0.001665	7.32	3789.36	473.55	0.36
Reach 2	528601	10 - Year	34883	873.5	892.39		893.24	0.001414	8.24	6164.65	614.05	0.35
Reach 2	528601	50 - Year	80558	873.5	902.16		903.17	0.001119	9.9	16328.22	1504.94	0.34
Reach 2	528601	100 - Year	97784	873.5	904.58		905.56	0.001039	10.11	20093.44	1600.86	0.33
Reach 2	528601	500 - Year	138847	873.5	909.74		910.63	0.000869	10.3	28775.04	1735.85	0.31
Reach 2	528433	2 - Year	2678	872.67	878.78		878.91	0.000919	2.88	949.43	215.49	0.23
Reach 2	528433	5 - Year	20807	872.67	887.79		888.37	0.001215	6.64	4125.95	454.93	0.31
Reach 2	528433	10 - Year	34883	872.67	892.24		892.99	0.001156	7.79	6574.23	643.3	0.32
Reach 2	528433	50 - Year	80558	872.67	902		902.98	0.001015	9.71	16546.75	1433.81	0.32
Reach 2	528433	100 - Year	97784	872.67	904.43		905.38	0.00095	9.92	20162.14	1503.64	0.32
Reach 2	528433	500 - Year	138847	872.67	909.59		910.48	0.000814	10.19	28056.72	1547.92	0.3
Reach 2	528242	2 - Year	2678	870.75	878.5		878.69	0.001349	3.48	821.31	252.35	0.28
Reach 2	528242	5 - Year	20807	870.75	887.55		888.12	0.001338	6.85	4277.22	462.99	0.33
Reach 2	528242	10 - Year	34883	870.75	892.01		892.75	0.001261	8.04	6576.01	585.49	0.33
Reach 2	528242	50 - Year	80558	870.75	901.66		902.75	0.001222	10.52	15231.92	1268.32	0.35
Reach 2	528242	100 - Year	97784	870.75	904.11		905.16	0.001129	10.7	18408.02	1316.14	0.34
Reach 2	528242	500 - Year	138847	870.75	909.31		910.29	0.000959	10.96	25338.82	1349.71	0.32
Reach 2	527950	2 - Year	2678	870.92	878.24		878.36	0.00085	2.79	960.1	193.69	0.22
Reach 2	527950	5 - Year	20807	870.92	887.03		887.71	0.001371	6.89	3691.68	398.25	0.33
Reach 2	527950	10 - Year	34883	870.92	891.45		892.35	0.001325	8.18	5593.62	462.6	0.34
Reach 2	527950	50 - Year	80558	870.92	900.86		902.34	0.00137	11.03	12828.86	1169.53	0.37
Reach 2	527950	100 - Year	97784	870.92	903.33		904.77	0.001282	11.31	15739.77	1191.27	0.37
Reach 2	527950	500 - Year	138847	870.92	908.54		909.95	0.00113	11.82	22068.62	1233.49	0.35
Reach 2	527692	2 - Year	2678	869.22	878.08		878.16	0.000652	2.32	1156.14	217.62	0.18
Reach 2	527692	5 - Year	20807	869.22	886.7		887.33	0.001449	6.53	3596.63	353.31	0.31
Reach 2	527692	10 - Year	34883	869.22	891.09		891.99	0.001495	7.97	5333.68	436.51	0.33
Reach 2	527692	50 - Year	80558	869.22	900.54		901.94	0.001515	10.58	12022.7	1021.99	0.35
Reach 2	527692	100 - Year	97784	869.22	902.99		904.41	0.00146	10.99	14546.58	1041.06	0.35
Reach 2	527692	500 - Year	138847	869.22	908.15		909.62	0.001346	11.72	20025.91	1080.19	0.35
Reach 2	527406	2 - Year	2678	868.68	877.93		878	0.000459	2.1	1276.67	212.12	0.15
Reach 2	527406	5 - Year	20807	868.68	886.31		886.92	0.001366	6.38	3633.93	365.37	0.3
Reach 2	527406	10 - Year	34883	868.68	890.7		891.56	0.001414	7.77	5338.16	415.7	0.32
Reach 2	527406	50 - Year	80558	868.68	900.11		901.52	0.001482	10.47	11695.26	954.84	0.35
Reach 2	527406	100 - Year	97784	868.68	902.52		903.99	0.001462	10.99	14029.75	980.81	0.35
Reach 2	527406	500 - Year	138847	868.68	907.66		909.22	0.001382	11.86	19178.79	1019.63	0.35
Reach 2	527135	2 - Year	2678	869.57	877.79		877.87	0.000474	2.26	1183.71	210.09	0.17
Reach 2	527135	5 - Year	20807	869.57	885.86		886.55	0.001362	6.74	3337.98	335.6	0.33
Reach 2	527135	10 - Year	34883	869.57	890.18		891.17	0.001384	8.21	4958.9	414.25	0.35
Reach 2	527135	50 - Year	80558	869.57	899.58		901.12	0.00136	10.85	11542.41	984.2	0.37
Reach 2	527135	100 - Year	97784	869.57	902		903.6	0.001331	11.37	13978.46	1024.62	0.37
Reach 2	527135	500 - Year	138847	869.57	907.19		908.86	0.001231	12.18	19426.35	1073.46	0.37
Reach 2	526955	2 - Year	2678	870.25	877.7		877.78	0.000515	2.26	1184.6	223.34	0.17
Reach 2	526955	5 - Year	20807	870.25	885.61		886.3	0.001405	6.7	3247.78	300.25	0.33

Reach 2	526955	10 - Year	34883	870.25	889.88		890.91	0.00146	8.28	4686.69	408.39	0.35
Reach 2	526955	50 - Year	80558	870.25	899.34		900.87	0.001361	10.73	11336.06	960.01	0.37
Reach 2	526955	100 - Year	97784	870.25	901.76		903.36	0.001335	11.26	13695.4	991.87	0.37
Reach 2	526955	500 - Year	138847	870.25	906.92		908.63	0.001252	12.17	18975.21	1051.22	0.37
Reach 2	526798	2 - Year	2678	870.25	877.63		877.7	0.000493	2.17	1235.32	241.26	0.17
Reach 2	526798	5 - Year	20807	870.25	885.46		886.06	0.001271	6.22	3485.43	336.03	0.31
Reach 2	526798	10 - Year	34883	870.25	889.79		890.65	0.001255	7.56	5084.67	411.54	0.33
Reach 2	526798	50 - Year	80558	870.25	899.32		900.6	0.001144	9.77	12056.62	956.27	0.34
Reach 2	526798	100 - Year	97784	870.25	901.73		903.1	0.001135	10.32	14403	988.09	0.34
Reach 2	526798	500 - Year	138847	870.25	906.88		908.39	0.001084	11.27	19596.21	1025.4	0.34
Reach 2	526644	2 - Year	2678	870.25	877.46		877.58	0.001386	2.74	977.38	291.19	0.26
Reach 2	526644	5 - Year	20807	870.25	885.26		885.85	0.001456	6.21	3496.22	359.44	0.33
Reach 2	526644	10 - Year	34883	870.25	889.62		890.44	0.001302	7.34	5234.34	442.16	0.33
Reach 2	526644	50 - Year	80558	870.25	899.26		900.39	0.00107	9.19	12528.42	946.2	0.32
Reach 2	526644	100 - Year	97784	870.25	901.67		902.89	0.001058	9.72	14842.62	969.58	0.33
Reach 2	526644	500 - Year	138847	870.25	906.82		908.19	0.001016	10.68	19915.73	1000.07	0.33
Reach 2	526414	2 - Year	2678	870.25	877.02		877.17	0.002261	3.09	866.12	311.75	0.33
Reach 2	526414	5 - Year	20807	870.25	884.98		885.51	0.00138	5.92	3810.37	419.75	0.32
Reach 2	526414	10 - Year	34883	870.25	889.43		890.12	0.001151	6.82	5800.73	484.57	0.31
Reach 2	526414	50 - Year	80558	870.25	899.11		900.12	0.000968	8.7	12989.77	917.95	0.31
Reach 2	526414	100 - Year	97784	870.25	901.52		902.63	0.000967	9.26	15226.17	938.67	0.31
Reach 2	526414	500 - Year	138847	870.25	906.65		907.95	0.000947	10.28	20134.82	970.05	0.32
Reach 2	526125	2 - Year	2678	869.09	874.56	874.56	875.55	0.023886	7.98	335.47	169.92	1
Reach 2	526125	5 - Year	20807	869.09	884.73		885.12	0.001063	5.13	4463.08	523.81	0.28
Reach 2	526125	10 - Year	34883	869.09	889.3		889.79	0.000829	5.77	7033.12	591.81	0.26
Reach 2	526125	50 - Year	80558	869.09	899.05		899.83	0.00073	7.56	14023.81	831.66	0.27
Reach 2	526125	100 - Year	97784	869.09	901.44		902.33	0.000753	8.16	16037.83	849.5	0.28
Reach 2	526125	500 - Year	138847	869.09	906.55		907.67	0.000782	9.33	20460.54	881.64	0.29
Reach 2	525664	2 - Year	2678	863.85	873.77		873.85	0.000404	2.23	1201.1	190.92	0.16
Reach 2	525664	5 - Year	20807	863.85	884.05		884.66	0.000899	6.33	3765.07	372.16	0.27
Reach 2	525664	10 - Year	34883	863.85	888.45		889.33	0.001017	7.88	5799.14	501.27	0.3
Reach 2	525664	50 - Year	80558	863.85	897.87		899.35	0.00118	10.88	11904.42	786.63	0.35
Reach 2	525664	100 - Year	97784	863.85	900.2		901.84	0.001236	11.7	13749.54	799.64	0.36
Reach 2	525664	500 - Year	138847	863.85	905.21		907.15	0.001301	13.2	17820.97	826.07	0.38
Reach 2	525305	2 - Year	2678	864.22	873.39		873.59	0.001416	3.57	750.18	151.72	0.28
Reach 2	525305	5 - Year	20807	864.22	883.2		884.17	0.001844	8.07	2934.65	298.64	0.38
Reach 2	525305	10 - Year	34883	864.22	887.39		888.79	0.001952	9.91	4555.85	464.46	0.41
Reach 2	525305	50 - Year	80558	864.22	896.6		898.74	0.00197	13.1	9878.93	778.85	0.44
Reach 2	525305	100 - Year	97784	864.22	898.87		901.21	0.002014	13.98	11763.29	857.87	0.45
Reach 2	525305	500 - Year	138847	864.22	904.2		906.56	0.001809	14.8	16487.21	909.66	0.44
Reach 2	524891	2 - Year	2678	865.51	872.68		872.91	0.001903	3.85	758.11	187.54	0.3
Reach 2	524891	5 - Year	20807	865.51	882.49		883.3	0.002033	8.11	3551.2	386.27	0.37
Reach 2	524891	10 - Year	34883	865.51	886.77		887.81	0.001995	9.51	5439.2	481.97	0.38
Reach 2	524891	50 - Year	80558	865.51	896.23		897.6	0.001823	11.86	12362.21	986.18	0.39
Reach 2	524891	100 - Year	97784	865.51	898.61		899.98	0.001751	12.26	14723.41	1000.41	0.39
Reach 2	524891	500 - Year	138847	865.51	904.06		905.4	0.001518	12.72	20249.26	1025.83	0.37
Reach 2	524621	2 - Year	2678	864.61	872.16		872.39	0.001946	3.96	773.8	181.47	0.3
Reach 2	524621	5 - Year	20807	864.61	881.93		882.74	0.002142	8.35	3580.22	371.6	0.38
Reach 2	524621	10 - Year	34883	864.61	886.16		887.24	0.002184	9.95	5317.88	448.78	0.4
Reach 2	524621	50 - Year	80558	864.61	895.59		897.06	0.002068	12.62	12168.34	1031.55	0.42
Reach 2	524621	100 - Year	97784	864.61	898.06		899.48	0.001915	12.83	14741.38	1048.42	0.4
Reach 2	524621	500 - Year	138847	864.61	903.67		904.97	0.001571	12.98	20723.4	1084.44	0.38

Reach 2	524407	2 - Year	2678	866.66	871.53		871.79	0.004184	4.67	727.12	235.24	0.42
Reach 2	524407	5 - Year	20807	866.66	881.65		882.24	0.001925	7.54	4037.39	391.13	0.36
Reach 2	524407	10 - Year	34883	866.66	885.92		886.72	0.001935	9.03	5795.6	435.17	0.37
Reach 2	524407	50 - Year	80558	866.66	895.31		896.56	0.002042	12.24	12945.93	1079.81	0.41
Reach 2	524407	100 - Year	97784	866.66	897.81		899.01	0.001877	12.44	15725.07	1137.09	0.4
Reach 2	524407	500 - Year	138847	866.66	903.47		904.58	0.001571	12.77	22634.57	1273.57	0.38
Reach 2	524202	2 - Year	2678	865.38	870.24		870.74	0.006256	6.04	555.98	207.75	0.52
Reach 2	524202	5 - Year	20807	865.38	881.24		881.85	0.001887	7.88	4203.79	437.39	0.36
Reach 2	524202	10 - Year	34883	865.38	885.56		886.32	0.001811	9.13	6216.93	495.73	0.36
Reach 2	524202	50 - Year	80558	865.38	895.19		896.09	0.001552	11.05	15314.5	1253.75	0.36
Reach 2	524202	100 - Year	97784	865.38	897.71		898.58	0.001444	11.27	18542.26	1309	0.35
Reach 2	524202	500 - Year	138847	865.38	903.44		904.21	0.001134	11.16	26253.31	1386.56	0.32
Reach 2	523829	2 - Year	2678	860	869.27		869.59	0.001744	4.65	623	108.14	0.3
Reach 2	523829	5 - Year	20807	860	880.45		881.21	0.001808	8.72	4154.66	460.45	0.36
Reach 2	523829	10 - Year	34883	860	884.89		885.73	0.001705	9.76	6362.64	554.13	0.36
Reach 2	523829	50 - Year	80558	860	894.69		895.59	0.001465	11.46	16007.14	1396.03	0.35
Reach 2	523829	100 - Year	97784	860	897.29		898.1	0.001299	11.36	19706.93	1437.11	0.34
Reach 2	523829	500 - Year	138847	860	903.15		903.82	0.000993	10.99	28319.75	1513.73	0.3
Reach 2	523518	2 - Year	2678	857.55	869.18		869.29	0.000428	2.73	1030.2	127.39	0.16
Reach 2	523518	5 - Year	20807	857.55	879.61		880.63	0.001639	8.75	3597.38	482.27	0.35
Reach 2	523518	10 - Year	34883	857.55	883.97		885.15	0.001692	10.14	5876.07	572.37	0.36
Reach 2	523518	50 - Year	80558	857.55	893.95		895.1	0.001414	11.66	15779.53	1423.5	0.35
Reach 2	523518	100 - Year	97784	857.55	896.7		897.69	0.001212	11.36	19729.43	1446.7	0.33
Reach 2	523518	500 - Year	138847	857.55	902.69		903.5	0.000954	11.14	28675.04	1572.33	0.3
Reach 2	523286	2 - Year	2678	858.24	869.04		869.17	0.000551	2.97	967.12	125.94	0.18
Reach 2	523286	5 - Year	20807	858.24	878.48		880.01	0.002601	10.44	2932.35	531.77	0.43
Reach 2	523286	10 - Year	34883	858.24	883.33		884.67	0.002066	10.88	5681.93	619.7	0.4
Reach 2	523286	50 - Year	80558	858.24	893.65		894.74	0.00144	11.61	15821.1	1414.36	0.35
Reach 2	523286	100 - Year	97784	858.24	896.45		897.38	0.001222	11.28	19815.61	1441.39	0.33
Reach 2	523286	500 - Year	138847	858.24	902.49		903.26	0.000957	11.06	28859.5	1578.2	0.3
Reach 2	523059	2 - Year	2678	858.95	868.89		869.03	0.000792	3.13	1005.43	168.16	0.2
Reach 2	523059	5 - Year	20807	858.95	878.07		879.27	0.002624	9.78	3261.65	496.71	0.42
Reach 2	523059	10 - Year	34883	858.95	883.07		884.1	0.001922	9.98	6642.16	766.78	0.38
Reach 2	523059	50 - Year	80558	858.95	893.59		894.29	0.001088	9.79	18078.78	1323.53	0.3
Reach 2	523059	100 - Year	97784	858.95	896.37		897.02	0.000965	9.75	21799.7	1356.48	0.29
Reach 2	523059	500 - Year	138847	858.95	902.39		903	0.00081	9.93	30303.54	1489.76	0.27
Reach 2	522838	2 - Year	2678	860.36	868.61		868.79	0.001634	3.92	919.69	201.93	0.28
Reach 2	522838	5 - Year	20807	860.36	877.71		878.61	0.002848	9.45	3623.53	450.28	0.43
Reach 2	522838	10 - Year	34883	860.36	882.71		883.7	0.002442	10.62	6651.3	782	0.42
Reach 2	522838	50 - Year	80558	860.36	893.43		894.08	0.001212	10	17482.83	1220.55	0.32
Reach 2	522838	100 - Year	97784	860.36	896.22		896.84	0.001074	9.98	20940.09	1255.61	0.3
Reach 2	522838	500 - Year	138847	860.36	902.22		902.86	0.000949	10.47	28829.39	1491.61	0.29
Reach 2	522569	2 - Year	2678	857.53	868.47		868.57	0.000378	2.61	1070.29	124.16	0.15
Reach 2	522569	5 - Year	20807	857.53	876.46		877.81	0.002482	9.93	2865.09	326.37	0.41
Reach 2	522569	10 - Year	34883	857.53	881.04		882.83	0.002681	12.02	5014.48	673.62	0.45
Reach 2	522569	50 - Year	80558	857.53	892.65		893.67	0.001332	11.18	16164.02	1410.58	0.34
Reach 2	522569	100 - Year	97784	857.53	895.66		896.52	0.0011	10.75	20490.87	1458.97	0.31
Reach 2	522569	500 - Year	138847	857.53	901.92		902.63	0.000848	10.47	30354.63	1715.08	0.28
Reach 2	522255	2 - Year	2692	861.14	867.56		868.11	0.009887	6.47	540.63	249.05	0.63
Reach 2	522255	5 - Year	20914	861.14	875.87		876.6	0.003333	8.74	3783.98	497.01	0.45
Reach 2	522255	10 - Year	34904	861.14	880.8		881.53	0.002282	9.16	6491.23	600.68	0.4
Reach 2	522255	50 - Year	81047	861.14	892.46		893.07	0.001207	9.52	17887.86	1261.41	0.32
Reach 2	522255	100 - Year	98495	861.14	895.47		896.05	0.001038	9.44	21853.94	1372.8	0.3

Reach 2	522255	500 - Year	139665	861.14	901.75		902.29	0.000811	9.43	31038.59	1569.3	0.27
Reach 2	522123	2 - Year	2692	860.69	866.41		866.84	0.00906	5.62	598.85	284.19	0.55
Reach 2	522123	5 - Year	20914	860.69	875.9		876.2	0.001561	5.81	5694.53	659.52	0.29
Reach 2	522123	10 - Year	34904	860.69	880.91		881.21	0.001082	6.03	9233.1	743.33	0.25
Reach 2	522123	50 - Year	81047	860.69	892.55		892.87	0.000695	6.76	22318.06	1370.08	0.22
Reach 2	522123	100 - Year	98495	860.69	895.55		895.87	0.000641	6.93	26499.98	1427.76	0.21
Reach 2	522123	500 - Year	139665	860.69	901.8		902.14	0.00057	7.35	36035.75	1631.34	0.21
Reach 2	521876	2 - Year	2692	856.98	864.98		865.23	0.005585	4.57	689.63	191.72	0.43
Reach 2	521876	5 - Year	20914	856.98	875.25		875.78	0.002402	7.3	4060.3	393.44	0.35
Reach 2	521876	10 - Year	34904	856.98	880.22		880.88	0.002031	8.28	6090.68	432.81	0.34
Reach 2	521876	50 - Year	81047	856.98	891.86		892.63	0.001576	10.12	15519.89	1072.24	0.33
Reach 2	521876	100 - Year	98495	856.98	894.95		895.66	0.001328	9.91	18873.96	1099.02	0.3
Reach 2	521876	500 - Year	139665	856.98	901.29		901.97	0.00107	10	26220.69	1231.92	0.28
Reach 2	521666	2 - Year	2692	852.44	864.77		864.9	0.000633	2.89	1045.98	199.47	0.17
Reach 2	521666	5 - Year	20914	852.44	874.65		875.35	0.001709	7.74	3838.46	322.37	0.31
Reach 2	521666	10 - Year	34904	852.44	879.52		880.46	0.001798	9.25	5474.82	349.48	0.33
Reach 2	521666	50 - Year	81047	852.44	890.65		892.18	0.002078	12.84	12293.45	899.64	0.38
Reach 2	521666	100 - Year	98495	852.44	893.97		895.29	0.001735	12.46	15303.47	916.44	0.35
Reach 2	521666	500 - Year	139665	852.44	900.48		901.66	0.001407	12.46	21441.94	975.46	0.33
Reach 2	521524	2 - Year	2692	856.7	864.37		864.67	0.003641	4.43	647.17	237.23	0.37
Reach 2	521524	5 - Year	20914	856.7	874.28		875.04	0.002487	7.95	3513.31	338.45	0.37
Reach 2	521524	10 - Year	34904	856.7	879.24		880.19	0.002166	9.04	5256.6	363.69	0.36
Reach 2	521524	50 - Year	81047	856.7	890.42		891.84	0.00205	11.92	12022.99	850.96	0.38
Reach 2	521524	100 - Year	98495	856.7	893.75		895.03	0.001722	11.7	14886.5	868.7	0.35
Reach 2	521524	500 - Year	139665	856.7	900.25		901.46	0.00142	11.94	20708.48	930.71	0.33
Reach 2	521212	2 - Year	2692	857.16	862.15		862.71	0.011753	6.03	451.95	162.41	0.62
Reach 2	521212	5 - Year	20914	857.16	873.71		874.32	0.00193	7.01	3910.82	391.08	0.33
Reach 2	521212	10 - Year	34904	857.16	878.81		879.53	0.001608	7.83	6017.48	434.17	0.31
Reach 2	521212	50 - Year	81047	857.16	890.16		891.14	0.001369	9.81	13692.01	903.51	0.31
Reach 2	521212	100 - Year	98495	857.16	893.52		894.45	0.001193	9.81	16771.7	929.36	0.3
Reach 2	521212	500 - Year	139665	857.16	900.04		901	0.00105	10.34	23127.99	1047.44	0.29
Reach 2	520902	2 - Year	2692	853.79	860.3		860.56	0.004273	4.14	650.12	180.41	0.38
Reach 2	520902	5 - Year	20914	853.79	873.45		873.85	0.000997	5.49	4939.49	526.97	0.24
Reach 2	520902	10 - Year	34904	853.79	878.66		879.12	0.000853	6.1	7921.99	614.34	0.23
Reach 2	520902	50 - Year	81047	853.79	890.14		890.75	0.000741	7.56	15926.77	787.99	0.23
Reach 2	520902	100 - Year	98495	853.79	893.45		894.11	0.000724	7.96	18619.03	837.13	0.23
Reach 2	520902	500 - Year	139665	853.79	899.92		900.7	0.000715	8.82	24357.2	938.91	0.24
Reach 2	520684	2 - Year	2692	848	860.09		860.2	0.000714	2.66	1012.67	122.03	0.16
Reach 2	520684	5 - Year	20914	848	872.92		873.57	0.001505	6.78	4050.94	503.48	0.27
Reach 2	520684	10 - Year	34904	848	878.21		878.89	0.001312	7.43	6880.14	554	0.26
Reach 2	520684	50 - Year	81047	848	889.7		890.55	0.001189	9.13	14042.84	717.29	0.27
Reach 2	520684	100 - Year	98495	848	893.02		893.92	0.001153	9.53	16498.17	760.61	0.27
Reach 2	520684	500 - Year	139665	848	899.5		900.51	0.001126	10.42	21688.54	841.79	0.27
Reach 2	520447	2 - Year	2692	849.53	859.67		859.91	0.002386	3.88	693.48	118.16	0.28
Reach 2	520447	5 - Year	20914	849.53	872.14		873.09	0.002503	8.03	3184.6	443.92	0.34
Reach 2	520447	10 - Year	34904	849.53	877.55		878.48	0.001971	8.57	5732.16	496.93	0.32
Reach 2	520447	50 - Year	81047	849.53	889.15		890.21	0.001548	10.05	12840.5	713.05	0.3
Reach 2	520447	100 - Year	98495	849.53	892.5		893.59	0.001475	10.44	15325.21	772.56	0.3
Reach 2	520447	500 - Year	139665	849.53	898.94		900.18	0.001466	11.58	21095.64	997.5	0.31
Reach 2	520248	2 - Year	2692	849.73	859.41		859.56	0.001183	3.09	870.13	122.43	0.2
Reach 2	520248	5 - Year	20914	849.73	871.74		872.61	0.0021	7.64	3238.84	380.64	0.32
Reach 2	520248	10 - Year	34904	849.73	877.11		878.09	0.00188	8.61	5589.7	486.56	0.31

Reach 2	520248	50 - Year	81047	849.73	888.85		889.9	0.001466	9.97	12874.84	693.97	0.3
Reach 2	520248	100 - Year	98495	849.73	892.22		893.29	0.001384	10.29	15256.74	721.26	0.29
Reach 2	520248	500 - Year	139665	849.73	898.68		899.88	0.001339	11.22	20135.71	791.02	0.29
Reach 2	520080	2 - Year	2692	849.59	859.06		859.29	0.002196	3.83	701.99	113.95	0.27
Reach 2	520080	5 - Year	20914	849.59	871.27		872.22	0.002534	8.2	3259.75	371.68	0.35
Reach 2	520080	10 - Year	34904	849.59	876.71		877.75	0.002159	9.08	5407.66	439.79	0.33
Reach 2	520080	50 - Year	81047	849.59	888.48		889.63	0.001694	10.61	12291.84	672.35	0.32
Reach 2	520080	100 - Year	98495	849.59	891.88		893.04	0.001568	10.87	14616.39	693.28	0.31
Reach 2	520080	500 - Year	139665	849.59	898.37		899.64	0.001482	11.74	19262.25	747.85	0.31
Reach 2	519953	2 - Year	2692	847.75	858.99		859.09	0.000787	2.65	1033.34	142.01	0.17
Reach 2	519953	5 - Year	20914	847.75	871.29		871.88	0.001393	6.51	4047.76	364.51	0.26
Reach 2	519953	10 - Year	34904	847.75	876.69		877.45	0.001392	7.7	6241.83	457.3	0.27
Reach 2	519953	50 - Year	81047	847.75	888.38		889.41	0.001322	9.74	12916.09	651.33	0.29
Reach 2	519953	100 - Year	98495	847.75	891.77		892.84	0.001272	10.14	15150.37	667.61	0.28
Reach 2	519953	500 - Year	139665	847.75	898.22		899.46	0.001269	11.21	19627.81	719.45	0.29
Reach 2	519716	2 - Year	2692	850.42	858.32		858.67	0.005821	4.73	570.18	145.11	0.42
Reach 2	519716	5 - Year	20914	850.42	870.46		871.4	0.002717	8.17	3094.43	294.11	0.36
Reach 2	519716	10 - Year	34904	850.42	875.8		876.99	0.002504	9.48	4878.79	393.97	0.36
Reach 2	519716	50 - Year	81047	850.42	887.68		889.03	0.001913	11.11	11187.9	603.57	0.34
Reach 2	519716	100 - Year	98495	850.42	891.1		892.48	0.001785	11.46	13288.31	622.87	0.33
Reach 2	519716	500 - Year	139665	850.42	897.56		899.11	0.001712	12.5	17437.42	662.34	0.33
Reach 2	519503	2 - Year	2692	852	857.33		857.63	0.004047	4.38	623.84	139.63	0.36
Reach 2	519503	5 - Year	20914	852	869.88		870.84	0.002532	8.23	3025.78	274.94	0.35
Reach 2	519503	10 - Year	34904	852	875.24		876.46	0.002404	9.61	4693.02	342.23	0.36
Reach 2	519503	50 - Year	81047	852	886.96		888.57	0.002129	11.97	10332.11	568.88	0.36
Reach 2	519503	100 - Year	98495	852	890.41		892.05	0.001997	12.36	12335.23	590.94	0.36
Reach 2	519503	500 - Year	139665	852	896.86		898.7	0.001924	13.48	16270.4	628.27	0.36
Reach 2	519300	2 - Year	2692	849.46	856.34		856.71	0.005059	4.87	556.36	126.38	0.4
Reach 2	519300	5 - Year	20914	849.46	869.4		870.32	0.002477	8.16	3104	271.15	0.35
Reach 2	519300	10 - Year	34904	849.46	874.74		875.97	0.002425	9.68	4713.81	340.6	0.36
Reach 2	519300	50 - Year	81047	849.46	886.54		888.13	0.00212	11.98	10356.81	553.12	0.36
Reach 2	519300	100 - Year	98495	849.46	890		891.64	0.002001	12.41	12314.84	577.18	0.36
Reach 2	519300	500 - Year	139665	849.46	896.45		898.3	0.00195	13.61	16174.17	619.25	0.36
Reach 2	519118	2 - Year	2692	847	856.16		856.28	0.001016	2.76	979.63	152.84	0.19
Reach 2	519118	5 - Year	20914	847	869.28		869.91	0.001354	6.59	3648.58	260.87	0.26
Reach 2	519118	10 - Year	34904	847	874.6		875.54	0.001535	8.23	5254.12	339.7	0.29
Reach 2	519118	50 - Year	81047	847	886.32		887.75	0.001612	10.91	10855.03	549.29	0.32
Reach 2	519118	100 - Year	98495	847	889.77		891.28	0.001583	11.47	12793.99	577.11	0.32
Reach 2	519118	500 - Year	139665	847	896.19		897.96	0.001616	12.8	16638.77	619.1	0.33
Reach 2	518979	2 - Year	2692	847.7	855.84		856.06	0.002383	3.82	708.89	130.12	0.28
Reach 2	518979	5 - Year	20914	847.7	868.86		869.66	0.001982	7.58	3289.14	261.21	0.31
Reach 2	518979	10 - Year	34904	847.7	874.14		875.27	0.002083	9.21	4901.3	348.06	0.33
Reach 2	518979	50 - Year	81047	847.7	885.85		887.48	0.00203	11.9	10288.54	558.39	0.35
Reach 2	518979	100 - Year	98495	847.7	889.36		891.02	0.001916	12.32	12292.34	582.8	0.35
Reach 2	518979	500 - Year	139665	847.7	895.82		897.7	0.001883	13.54	16207.71	629.46	0.35
Reach 2	518881	2 - Year	2692	846.39	855.73		855.87	0.001275	2.99	914.95	154.15	0.21
Reach 2	518881	5 - Year	20914	846.39	868.79		869.46	0.001498	6.84	3539.2	260.17	0.27
Reach 2	518881	10 - Year	34904	846.39	874.06		875.05	0.001672	8.5	5138.94	342.45	0.3
Reach 2	518881	50 - Year	81047	846.39	885.72		887.26	0.00178	11.37	10574.42	575.17	0.33
Reach 2	518881	100 - Year	98495	846.39	889.23		890.83	0.001705	11.83	12658.51	608.96	0.33
Reach 2	518881	500 - Year	139665	846.39	895.69		897.5	0.001696	13.05	16760	663.14	0.34
Reach 2	518704	2 - Year	2692	846.41	855.49		855.63	0.001376	3.09	890.69	154.55	0.22

Reach 2	518704	5 - Year	20914	846.41	868.53		869.19	0.001511	6.8	3602.53	274.02	0.28
Reach 2	518704	10 - Year	34904	846.41	873.8		874.74	0.001649	8.36	5259.91	350.3	0.3
Reach 2	518704	50 - Year	81047	846.41	885.39		886.94	0.001825	11.42	10668.7	620.65	0.34
Reach 2	518704	100 - Year	98495	846.41	888.86		890.51	0.001794	12.04	13020.16	729.19	0.34
Reach 2	518704	500 - Year	139665	846.41	895.47		897.17	0.001663	12.86	18615.84	921.87	0.33
Reach 2	518485	2 - Year	2692	846.72	855.12		855.29	0.001838	3.3	830.4	157.31	0.25
Reach 2	518485	5 - Year	20914	846.72	868.18		868.85	0.001583	6.85	3590.52	283.76	0.28
Reach 2	518485	10 - Year	34904	846.72	873.43		874.38	0.001693	8.36	5207.5	332.91	0.3
Reach 2	518485	50 - Year	81047	846.72	884.81		886.51	0.002005	11.82	10579.59	709.95	0.35
Reach 2	518485	100 - Year	98495	846.72	888.47		890.12	0.001814	12.02	13443.47	831.38	0.34
Reach 2	518485	500 - Year	139665	846.72	895.22		896.78	0.001567	12.42	19643.32	1002.32	0.32
Reach 2	518202	2 - Year	2692	845.86	854.85		854.94	0.000771	2.5	1086.79	161.53	0.17
Reach 2	518202	5 - Year	20914	845.86	867.9		868.43	0.001154	6.02	3897.83	266.69	0.24
Reach 2	518202	10 - Year	34904	845.86	873.08		873.91	0.00136	7.66	5385.01	321.84	0.27
Reach 2	518202	50 - Year	81047	845.86	884.42		885.95	0.001658	10.9	10542	612.34	0.32
Reach 2	518202	100 - Year	98495	845.86	888.03		889.63	0.001601	11.41	12892.97	705.48	0.32
Reach 2	518202	500 - Year	139665	845.86	894.56		896.32	0.001564	12.5	17890.25	837.62	0.32
Reach 2	517901	2 - Year	2692	843.58	854.43		854.61	0.001581	3.43	799.53	130.91	0.24
Reach 2	517901	5 - Year	20914	843.58	867.15		867.96	0.001931	7.69	3408.23	289.39	0.31
Reach 2	517901	10 - Year	34904	843.58	872.3		873.39	0.002048	9.29	5043.59	349.92	0.33
Reach 2	517901	50 - Year	81047	843.58	883.53		885.34	0.002301	12.69	10034.4	595.59	0.38
Reach 2	517901	100 - Year	98495	843.58	887.22		889.06	0.002149	13.11	12405.32	695.95	0.37
Reach 2	517901	500 - Year	139665	843.58	893.65		895.74	0.002196	14.66	17954.11	1045.52	0.38
Reach 2	517591	2 - Year	2692	844.25	853.99		854.16	0.001326	3.35	823.67	128.26	0.22
Reach 2	517591	5 - Year	20914	844.25	866.49		867.34	0.00199	8	3367.23	275.14	0.32
Reach 2	517591	10 - Year	34904	844.25	871.52		872.72	0.002209	9.8	4881.83	331.17	0.35
Reach 2	517591	50 - Year	81047	844.25	882.64		884.57	0.002495	13.34	9587.24	528.83	0.39
Reach 2	517591	100 - Year	98495	844.25	886.16		888.29	0.002523	14.27	11748.66	685.42	0.4
Reach 2	517591	500 - Year	139665	844.25	892.74		895	0.002407	15.45	17015.63	942.04	0.4
Reach 2	517263	2 - Year	2692	841.17	853.39		853.64	0.001885	4.02	679.24	98.67	0.26
Reach 2	517263	5 - Year	20914	841.17	865.25		866.49	0.003178	9.78	2862.57	275.46	0.39
Reach 2	517263	10 - Year	34904	841.17	870.26		871.82	0.003201	11.46	4386.7	335.8	0.41
Reach 2	517263	50 - Year	81047	841.17	881.57		883.65	0.003087	14.53	9551.62	591.07	0.43
Reach 2	517263	100 - Year	98495	841.17	885.4		887.39	0.002743	14.66	12048.42	692.81	0.41
Reach 2	517263	500 - Year	139665	841.17	892.09		894.12	0.002515	15.59	17309.98	918.04	0.4
Reach 2	517034	2 - Year	2692	841.12	853.04		853.25	0.001456	3.69	743.17	110.75	0.23
Reach 2	517034	5 - Year	20914	841.12	864.76		865.76	0.002582	8.99	3332.53	341.59	0.36
Reach 2	517034	10 - Year	34904	841.12	869.93		871.06	0.00239	10.1	5259.24	407.55	0.36
Reach 2	517034	50 - Year	81047	841.12	881.43		882.86	0.002202	12.5	11253.99	652.68	0.37
Reach 2	517034	100 - Year	98495	841.12	885.24		886.68	0.002058	12.91	13962.29	781.53	0.36
Reach 2	517034	500 - Year	139665	841.12	892.04		893.45	0.001815	13.46	20004.93	987.05	0.35
Reach 2	516796	2 - Year	2692	841.38	852.67		852.89	0.001546	3.8	743.3	139.4	0.26
Reach 2	516796	5 - Year	20914	841.38	864.17		865.19	0.002318	8.95	3409.73	384.34	0.37
Reach 2	516796	10 - Year	34904	841.38	869.47		870.52	0.001947	9.72	5627.76	444.36	0.35
Reach 2	516796	50 - Year	81047	841.38	881.03		882.36	0.00174	11.97	12033.18	689.19	0.36
Reach 2	516796	100 - Year	98495	841.38	884.89		886.2	0.00159	12.26	14876.17	791.8	0.35
Reach 2	516796	500 - Year	139665	841.38	891.69		893.05	0.001457	13.07	20959.04	989.76	0.34
Reach 2	516552	2 - Year	2692	840.41	852.6		852.66	0.000328	2.08	1381.73	199.85	0.12
Reach 2	516552	5 - Year	20914	840.41	864.11		864.59	0.000906	6.01	4640.51	392.64	0.23
Reach 2	516552	10 - Year	34904	840.41	869.37		870	0.000952	7.19	7222.83	540.92	0.25
Reach 2	516552	50 - Year	81047	840.41	880.97		881.84	0.000957	9.24	14633.83	768.39	0.27
Reach 2	516552	100 - Year	98495	840.41	884.83		885.72	0.000904	9.59	17775.22	868.1	0.26
Reach 2	516552	500 - Year	139665	840.41	891.62		892.61	0.000881	10.48	24351.91	1054.47	0.27

Reach 2	516272	2 - Year	2692	836.72	852.5		852.58	0.000282	2.28	1316.28	182.42	0.12
Reach 2	516272	5 - Year	20914	836.72	863.68		864.3	0.001143	7.14	4189.01	327.19	0.26
Reach 2	516272	10 - Year	34904	836.72	868.69		869.63	0.00143	9.1	6204.25	491.82	0.3
Reach 2	516272	50 - Year	81047	836.72	880.33		881.52	0.001395	11.33	12885.85	696.29	0.32
Reach 2	516272	100 - Year	98495	836.72	884.28		885.43	0.001272	11.52	15808	776.68	0.31
Reach 2	516272	500 - Year	139665	836.72	891.1		892.34	0.001227	12.47	21712.54	944.84	0.31
Reach 2	515986	2 - Year	2692	836	852.44		852.49	0.000201	1.8	1523.14	163.98	0.1
Reach 2	515986	5 - Year	20914	836	863.42		863.97	0.000939	6.21	4128.09	306.42	0.24
Reach 2	515986	10 - Year	34904	836	868.39		869.22	0.001157	7.91	5805.36	371.5	0.27
Reach 2	515986	50 - Year	81047	836	879.53		881.03	0.00147	11.26	11015.28	588.62	0.32
Reach 2	515986	100 - Year	98495	836	883.4		884.95	0.001401	11.73	13473.34	680.01	0.32
Reach 2	515986	500 - Year	139665	836	890.07		891.83	0.001411	12.99	18507.44	849.22	0.33
Reach 2	515641	2 - Year	2692	838.52	852.09		852.32	0.000847	3.85	777.17	145.04	0.24
Reach 2	515641	5 - Year	20914	838.52	861.92		863.26	0.002235	10.52	2973.03	260.19	0.44
Reach 2	515641	10 - Year	34904	838.52	866.42		868.34	0.002537	12.99	4217.19	294	0.48
Reach 2	515641	50 - Year	81047	838.52	875.9		879.63	0.00341	19.02	7413.07	397.58	0.59
Reach 2	515641	100 - Year	98495	838.52	878.92		883.36	0.003674	20.96	8771.62	493.85	0.62
Reach 2	515641	500 - Year	139665	838.52	885.29		890.17	0.003513	22.9	12318.15	627.59	0.63
Reach 2	515303	2 - Year	2692	837.6	851.91		852.04	0.000427	3.14	1169.21	177.33	0.17
Reach 2	515303	5 - Year	20914	837.6	861.22		862.47	0.002005	10.52	3122.79	248.56	0.42
Reach 2	515303	10 - Year	34904	837.6	865.28		867.36	0.002718	13.89	4233.08	306.85	0.51
Reach 2	515303	50 - Year	81047	837.6	874.75		878.43	0.003467	19.67	7610.06	404.04	0.6
Reach 2	515303	100 - Year	98495	837.6	877.76		881.87	0.003557	21.12	8887.18	445.7	0.62
Reach 2	515303	500 - Year	139665	837.6	883.31		888.67	0.004036	24.75	11747.65	584.7	0.68
Reach 2	514930	2 - Year	2692	839.31	851.76		851.87	0.000416	2.98	1335.7	211.41	0.17
Reach 2	514930	5 - Year	20914	839.31	860.57		861.51	0.001855	9.75	3592.88	311.47	0.4
Reach 2	514930	10 - Year	34904	839.31	864.47		865.92	0.002334	12.45	4924.16	362.92	0.47
Reach 2	514930	50 - Year	81047	839.31	873.8		876.36	0.002904	17.54	8766.74	477.77	0.55
Reach 2	514930	100 - Year	98495	839.31	876.83		879.63	0.002902	18.65	10281.96	523.69	0.56
Reach 2	514930	500 - Year	139665	839.31	882.35		885.89	0.003195	21.6	13564.77	669.58	0.6
Reach 2	514569	2 - Year	2692	844.38	851.42		851.6	0.001354	3.42	882.18	229.55	0.28
Reach 2	514569	5 - Year	20914	844.38	859.91		860.79	0.00197	8.18	3365.29	349.55	0.4
Reach 2	514569	10 - Year	34904	844.38	863.77		865.02	0.002106	10.03	4811.76	401.93	0.43
Reach 2	514569	50 - Year	81047	844.38	873.18		875.21	0.002086	13.38	9254.99	537.48	0.46
Reach 2	514569	100 - Year	98495	844.38	876.32		878.45	0.001948	13.93	10977.64	561.2	0.45
Reach 2	514569	500 - Year	139665	844.38	881.9		884.54	0.001993	15.81	14257.39	633.24	0.47
Reach 2	514242	2 - Year	2692	845.13	850.97		851.13	0.001487	3.3	908.1	234.23	0.26
Reach 2	514242	5 - Year	20914	845.13	859.29		860.07	0.002247	7.87	3512.84	378.61	0.38
Reach 2	514242	10 - Year	34904	845.13	863.17		864.25	0.002303	9.46	5100.61	433.92	0.4
Reach 2	514242	50 - Year	81047	845.13	872.77		874.4	0.002135	12.26	9877.42	560.01	0.42
Reach 2	514242	100 - Year	98495	845.13	875.96		877.68	0.001996	12.77	11720.55	595.94	0.41
Reach 2	514242	500 - Year	139665	845.13	881.61		883.73	0.002033	14.47	15325.62	691.66	0.43
Reach 2	513898	2 - Year	2692	845.66	850.01		850.3	0.004442	4.38	657.11	207.72	0.4
Reach 2	513898	5 - Year	20914	845.66	858.23		859.12	0.00353	8.42	3223.13	381.05	0.43
Reach 2	513898	10 - Year	34904	845.66	862.25		863.34	0.003121	9.59	4812.55	409.71	0.42
Reach 2	513898	50 - Year	81047	845.66	871.92		873.58	0.002744	12.32	9190.37	504.48	0.43
Reach 2	513898	100 - Year	98495	845.66	875.08		876.9	0.002636	13.04	10854.27	556.09	0.43
Reach 2	513898	500 - Year	139665	845.66	880.65		882.92	0.002716	14.89	14344.02	688.5	0.45
Reach 2	513641	2 - Year	2692	843.6	848.09		848.61	0.010349	5.79	474.6	172.13	0.58
Reach 2	513641	5 - Year	20914	843.6	856.76		858.02	0.004893	9.75	2758.92	371.98	0.5
Reach 2	513641	10 - Year	34904	843.6	861.11		862.44	0.003705	10.47	4453.93	406.78	0.46
Reach 2	513641	50 - Year	81047	843.6	871.05		872.84	0.002902	12.77	8911.86	492.94	0.44

Reach 2	513641	100 - Year	98495	843.6	874.19		876.18	0.002835	13.62	10551.56	558.95	0.44
Reach 2	513641	500 - Year	139665	843.6	879.66		882.17	0.002969	15.63	13927.91	701.74	0.47
Reach 2	513361	2 - Year	2692	841.59	845.35		845.83	0.009478	5.59	496.37	171.71	0.56
Reach 2	513361	5 - Year	20914	841.59	855.82		856.86	0.003228	8.71	2958.51	329.09	0.42
Reach 2	513361	10 - Year	34904	841.59	860.23		861.52	0.002945	10.04	4549.85	390.37	0.42
Reach 2	513361	50 - Year	81047	841.59	870.19		872.07	0.002651	12.78	8879.46	485.93	0.43
Reach 2	513361	100 - Year	98495	841.59	873.33		875.41	0.002621	13.65	10512.95	554.9	0.43
Reach 2	513361	500 - Year	139665	841.59	878.69		881.34	0.002831	15.77	13818.6	702.09	0.46
Reach 2	513139	2 - Year	2692	838.22	844.65		844.85	0.002232	3.68	758.9	172.3	0.29
Reach 2	513139	5 - Year	20914	838.22	855.3		856.22	0.002328	8.11	3133.81	302.44	0.36
Reach 2	513139	10 - Year	34904	838.22	859.65		860.92	0.002461	9.83	4630.99	374.68	0.39
Reach 2	513139	50 - Year	81047	838.22	869.48		871.48	0.002559	13.1	8779.14	494.28	0.42
Reach 2	513139	100 - Year	98495	838.22	872.67		874.84	0.002503	13.86	10537.26	622.44	0.43
Reach 2	513139	500 - Year	139665	838.22	878.09		880.74	0.002676	15.87	15213.75	956.25	0.45
Reach 2	512823	2 - Year	2692	837.38	844.06		844.27	0.001548	3.66	765.45	173.55	0.3
Reach 2	512823	5 - Year	20914	837.38	854.66		855.6	0.001608	8.14	3168.11	310.32	0.37
Reach 2	512823	10 - Year	34904	837.38	858.88		860.24	0.001763	10.02	4638.77	410.98	0.4
Reach 2	512823	50 - Year	81047	837.38	868.91		870.77	0.001637	12.73	10562.8	661.7	0.41
Reach 2	512823	100 - Year	98495	837.38	872.22		874.09	0.001498	13.08	12811.13	695.08	0.4
Reach 2	512823	500 - Year	139665	837.38	877.71		879.89	0.001519	14.59	16766.88	751.06	0.42
Reach 2	512449	2 - Year	2692	834.98	843.57		843.73	0.00129	3.27	868.08	167.88	0.23
Reach 2	512449	5 - Year	20914	834.98	853.95		854.9	0.00226	8.33	3121.25	319.22	0.36
Reach 2	512449	10 - Year	34904	834.98	858.1		859.45	0.002542	10.25	4566.22	374.55	0.4
Reach 2	512449	50 - Year	81047	834.98	867.85		869.97	0.002726	13.72	8774.31	590.72	0.44
Reach 2	512449	100 - Year	98495	834.98	870.82		873.28	0.002859	14.95	10929.81	783.94	0.46
Reach 2	512449	500 - Year	139665	834.98	876.83		879.16	0.00245	15.45	16242.84	966.18	0.43
Reach 2	512108	2 - Year	2692	834.92	842.83		843.08	0.002949	4.11	677.72	159.95	0.33
Reach 2	512108	5 - Year	20914	834.92	853.04		854.04	0.002791	8.61	3109.43	345.57	0.39
Reach 2	512108	10 - Year	34904	834.92	857.23		858.52	0.002813	10.2	4715.7	422	0.41
Reach 2	512108	50 - Year	81047	834.92	867.16		868.97	0.002597	12.95	9691.2	614.01	0.42
Reach 2	512108	100 - Year	98495	834.92	870.34		872.2	0.002433	13.43	11801.83	698.65	0.42
Reach 2	512108	500 - Year	139665	834.92	876.26		878.26	0.002255	14.47	16331.19	828.87	0.41
Reach 2	511827	2 - Year	2692	834.47	842.22		842.43	0.001828	3.66	761.5	156.21	0.27
Reach 2	511827	5 - Year	20914	834.47	852.29		853.28	0.002616	8.65	3131.4	314.69	0.38
Reach 2	511827	10 - Year	34904	834.47	856.28		857.7	0.002953	10.69	4633.38	421.39	0.42
Reach 2	511827	50 - Year	81047	834.47	866.39		868.24	0.002607	13.23	9910.92	634.76	0.43
Reach 2	511827	100 - Year	98495	834.47	869.63		871.52	0.002435	13.69	12080.71	730.39	0.42
Reach 2	511827	500 - Year	139665	834.47	875.68		877.62	0.002185	14.51	16970.57	863.48	0.41
Reach 2	511481	2 - Year	2692	830.88	841.37		841.64	0.002761	4.17	663.16	166.38	0.32
Reach 2	511481	5 - Year	20914	830.88	851.45		852.34	0.002692	8.44	3456.14	397.74	0.38
Reach 2	511481	10 - Year	34904	830.88	855.49		856.61	0.002694	9.89	5234.95	474.01	0.4
Reach 2	511481	50 - Year	81047	830.88	865.81		867.25	0.002254	12.06	10933.87	655.57	0.39
Reach 2	511481	100 - Year	98495	830.88	869.13		870.57	0.002046	12.34	13192.22	704	0.38
Reach 2	511481	500 - Year	139665	830.88	875.2		876.79	0.001919	13.38	17736.77	800.67	0.38
Reach 2	511117	2 - Year	2691	834	839.25		839.87	0.009006	6.33	425.36	108.62	0.56
Reach 2	511117	5 - Year	20907	834	849.1		850.79	0.005476	11.25	2498.61	347.79	0.54
Reach 2	511117	10 - Year	34723	834	853.58		855.29	0.004262	12.01	4193.72	401.7	0.5
Reach 2	511117	50 - Year	81099	834	864.27		866.22	0.003096	13.98	9535.8	607.51	0.46
Reach 2	511117	100 - Year	98619	834	867.75		869.66	0.002722	14.15	11774.86	674.26	0.44
Reach 2	511117	500 - Year	139816	834	874.02		875.98	0.002387	14.92	16347.32	777.92	0.42
Reach 2	511003	2 - Year	2691	831.91	836.62	836.44	838.02	0.025729	9.5	283.3	86.53	0.93
Reach 2	511003	5 - Year	20907	831.91	847.26	844.83	849.79	0.008203	13.28	1939.78	284.06	0.65

Reach 2	511003	10 - Year	34723	831.91	852.04		854.51	0.005897	13.92	3524.16	377.84	0.58
Reach 2	511003	50 - Year	81099	831.91	863.41		865.74	0.003529	15.01	8783.69	562.71	0.49
Reach 2	511003	100 - Year	98619	831.91	867.02		869.25	0.003038	15.06	10940.5	621.46	0.47
Reach 2	511003	500 - Year	139816	831.91	873.25		875.59	0.002742	16.08	15214.9	740.77	0.46
Reach 2	510888	2 - Year	2691	826.38	836.32		836.56	0.00184	3.92	686.55	107.82	0.27
Reach 2	510888	5 - Year	20907	826.38	846.9		848.32	0.003405	9.98	2554.98	268.92	0.44
Reach 2	510888	10 - Year	34723	826.38	851.68		853.45	0.00326	11.59	4027.64	333.14	0.44
Reach 2	510888	50 - Year	81099	826.38	863.04		865.37	0.002834	14.4	8847.12	522.7	0.45
Reach 2	510888	100 - Year	98619	826.38	866.34		868.79	0.002741	15.11	10688.06	597.51	0.45
Reach 2	510888	500 - Year	139816	826.38	872.4		875.09	0.002654	16.5	14797.27	761.25	0.45
Reach 2	510700	2 - Year	2691	826.75	835.89		836.16	0.002381	4.17	645.49	112.83	0.31
Reach 2	510700	5 - Year	20907	826.75	846.38		847.59	0.003232	9.28	2833.54	328.79	0.42
Reach 2	510700	10 - Year	34723	826.75	851.33		852.69	0.00274	10.32	4788.74	448.62	0.41
Reach 2	510700	50 - Year	81099	826.75	863.05		864.5	0.001929	11.77	11164.04	655.05	0.37
Reach 2	510700	100 - Year	98619	826.75	866.41		867.91	0.001825	12.24	13523.42	746.42	0.36
Reach 2	510700	500 - Year	139816	826.75	872.54		874.17	0.001745	13.32	19027	1035.71	0.37
Reach 2	510488	2 - Year	2691	828.36	834.87		835.32	0.006429	5.45	510.13	140.56	0.48
Reach 2	510488	5 - Year	20907	828.36	845.8		846.83	0.003138	8.68	2885.67	290.63	0.41
Reach 2	510488	10 - Year	34723	828.36	850.82		852.06	0.002649	9.81	4567.23	368.72	0.4
Reach 2	510488	50 - Year	81099	828.36	862.35		864.01	0.002129	12.09	9928.79	579.97	0.39
Reach 2	510488	100 - Year	98619	828.36	865.68		867.43	0.002036	12.67	11996.45	684.55	0.38
Reach 2	510488	500 - Year	139816	828.36	871.82		873.71	0.001912	13.73	17006.92	919.79	0.38
Reach 2	510222	2 - Year	2691	826.17	833.63		833.96	0.00381	4.62	582.42	125.07	0.38
Reach 2	510222	5 - Year	20907	826.17	844.84		845.98	0.003019	8.78	2676.08	270.18	0.41
Reach 2	510222	10 - Year	34723	826.17	849.97		851.34	0.002599	9.96	4283.56	339.46	0.4
Reach 2	510222	50 - Year	81099	826.17	861.63		863.44	0.002129	12.29	9620.36	583.6	0.39
Reach 2	510222	100 - Year	98619	826.17	865.02		866.9	0.002007	12.79	11725.93	666.23	0.38
Reach 2	510222	500 - Year	139816	826.17	871.23		873.23	0.001879	13.8	16814.98	1043.36	0.38
Reach 2	510023	2 - Year	2691	822.03	832.27		832.85	0.007578	6.13	439.29	102.11	0.52
Reach 2	510023	5 - Year	20907	822.03	843.76		845.19	0.004143	10.01	2413.33	233.76	0.47
Reach 2	510023	10 - Year	34723	822.03	848.74		850.59	0.00372	11.6	3683.02	286.99	0.47
Reach 2	510023	50 - Year	81099	822.03	859.86		862.63	0.003376	15.01	7717.96	459.95	0.48
Reach 2	510023	100 - Year	98619	822.03	863.1		866.07	0.003281	15.84	9338.05	557.66	0.48
Reach 2	510023	500 - Year	139816	822.03	869.19		872.4	0.003094	17.2	13757.83	917	0.48
Reach 2	509824	2 - Year	2691	819.92	831.44		831.78	0.00326	4.67	576.74	105.76	0.35
Reach 2	509824	5 - Year	20907	819.92	843.15		844.38	0.003103	9.23	2635.75	252.11	0.41
Reach 2	509824	10 - Year	34723	819.92	848.22		849.8	0.002917	10.79	4005.18	287.91	0.42
Reach 2	509824	50 - Year	81099	819.92	859.26		861.94	0.003065	14.69	7670.29	420.76	0.46
Reach 2	509824	100 - Year	98619	819.92	862.3		865.38	0.003201	15.96	9139.18	548.2	0.48
Reach 2	509824	500 - Year	139816	819.92	868.4		871.74	0.003066	17.39	13580.32	868.35	0.48
Reach 2	509549	2 - Year	2691	819.08	830.93		831.12	0.001632	3.46	777.75	139.46	0.25
Reach 2	509549	5 - Year	20907	819.08	842.66		843.61	0.002057	8.15	3005.79	253.98	0.34
Reach 2	509549	10 - Year	34723	819.08	847.72		849.04	0.00214	9.85	4405.95	296.09	0.37
Reach 2	509549	50 - Year	81099	819.08	858.7		861.09	0.00249	13.85	8103.45	395.02	0.42
Reach 2	509549	100 - Year	98619	819.08	861.72		864.5	0.002639	15.1	9517.27	600.5	0.44
Reach 2	509549	500 - Year	139816	819.08	867.73		870.9	0.002677	16.83	14348.15	949.66	0.45
Reach 2	509365	2 - Year	2691	819.53	830.67		830.84	0.001357	3.29	817.3	133.89	0.23
Reach 2	509365	5 - Year	20907	819.53	842.29		843.24	0.001996	8.02	2995.78	251.33	0.34
Reach 2	509365	10 - Year	34723	819.53	847.31		848.65	0.002117	9.78	4363.32	293.15	0.36
Reach 2	509365	50 - Year	81099	819.53	858.3		860.62	0.002404	13.6	8811.67	624.33	0.41
Reach 2	509365	100 - Year	98619	819.53	861.47		863.95	0.002381	14.38	10971.34	728.16	0.42
Reach 2	509365	500 - Year	139816	819.53	867.68		870.28	0.002237	15.47	15966.44	875.58	0.42

Reach 2	509191	2 - Year	2691	818.11	830.54		830.65	0.000759	2.66	1012.93	149.3	0.18
Reach 2	509191	5 - Year	20907	818.11	842.1		842.88	0.001547	7.3	3266.17	252.83	0.3
Reach 2	509191	10 - Year	34723	818.11	847.1		848.26	0.001742	9.09	4628.76	289.86	0.33
Reach 2	509191	50 - Year	81099	818.11	858.09		860.16	0.002072	12.79	9485.98	621.5	0.38
Reach 2	509191	100 - Year	98619	818.11	861.3		863.47	0.002032	13.45	11581.16	682.31	0.39
Reach 2	509191	500 - Year	139816	818.11	867.5		869.84	0.001963	14.63	16280.61	802.58	0.39
Reach 2	509019	2 - Year	2691	819.1	830.36		830.5	0.001009	3	897.86	136.92	0.2
Reach 2	509019	5 - Year	20907	819.1	841.62		842.57	0.001961	8.08	3019.05	251.19	0.34
Reach 2	509019	10 - Year	34723	819.1	846.56		847.91	0.002134	9.91	4367.03	291.38	0.37
Reach 2	509019	50 - Year	81099	819.1	857.48		859.76	0.0024	13.63	9075.23	579.43	0.41
Reach 2	509019	100 - Year	98619	819.1	860.66		863.07	0.002365	14.37	11024.24	659.04	0.42
Reach 2	509019	500 - Year	139816	819.1	867.02		869.47	0.002166	15.28	15643.41	745.17	0.41
Reach 2	508801	2 - Year	2691	819.83	830.16		830.29	0.000866	2.86	941.18	137.82	0.19
Reach 2	508801	5 - Year	20907	819.83	841.23		842.14	0.001875	7.95	3093.45	254.46	0.33
Reach 2	508801	10 - Year	34723	819.83	846.13		847.45	0.002063	9.79	4446.92	342.95	0.36
Reach 2	508801	50 - Year	81099	819.83	857.12		859.2	0.002215	13.17	9554.79	585.96	0.4
Reach 2	508801	100 - Year	98619	819.83	860.28		862.52	0.002217	13.99	11629.18	686.36	0.4
Reach 2	508801	500 - Year	139816	819.83	866.73		868.96	0.001974	14.69	16207.18	734.3	0.39
Reach 2	508615	2 - Year	2691	819	830.04		830.15	0.000638	2.65	1018.01	133.74	0.17
Reach 2	508615	5 - Year	20907	819	840.91		841.79	0.001757	7.8	3238.74	299.32	0.32
Reach 2	508615	10 - Year	34723	819	845.85		847.04	0.00187	9.43	4946.82	398.21	0.34
Reach 2	508615	50 - Year	81099	819	857.05		858.69	0.001825	12.09	10948.95	648.95	0.36
Reach 2	508615	100 - Year	98619	819	860.32		861.99	0.001727	12.49	13132.2	682.77	0.36
Reach 2	508615	500 - Year	139816	819	866.72		868.48	0.001608	13.38	17660.63	726.47	0.35
Reach 2	508411	2 - Year	2691	818.97	829.91		830.02	0.000616	2.6	1052.17	148.96	0.16
Reach 2	508411	5 - Year	20907	818.97	840.74		841.41	0.001432	7.1	4055.3	419.77	0.29
Reach 2	508411	10 - Year	34723	818.97	845.8		846.6	0.001361	8.14	6296.77	464.75	0.3
Reach 2	508411	50 - Year	81099	818.97	857.1		858.22	0.00131	10.36	12300.96	573.23	0.31
Reach 2	508411	100 - Year	98619	818.97	860.31		861.55	0.001332	11.08	14218.93	632.5	0.32
Reach 2	508411	500 - Year	139816	818.97	866.62		868.1	0.001356	12.38	18589.59	739.54	0.33
Reach 2	508212	2 - Year	2691	821.61	829.73		829.86	0.000924	3.01	951.29	153.92	0.2
Reach 2	508212	5 - Year	20907	821.61	840.14		841.04	0.00207	8.25	3385.45	340.02	0.35
Reach 2	508212	10 - Year	34723	821.61	845.12		846.24	0.002001	9.58	5263.19	406.74	0.36
Reach 2	508212	50 - Year	81099	821.61	856.3		857.86	0.001895	12.21	10500.01	528.98	0.37
Reach 2	508212	100 - Year	98619	821.61	859.44		861.18	0.001923	13.05	12240.53	588.65	0.38
Reach 2	508212	500 - Year	139816	821.61	865.69		867.72	0.001927	14.51	16328.74	714.75	0.39
Reach 2	507951	2 - Year	2691	823.8	828.8		829.28	0.009149	5.76	535.86	201.08	0.56
Reach 2	507951	5 - Year	20907	823.8	839.58		840.4	0.002756	8.28	3393.94	325.17	0.39
Reach 2	507951	10 - Year	34723	823.8	844.62		845.64	0.002414	9.5	5218.71	398.15	0.38
Reach 2	507951	50 - Year	81099	823.8	855.85		857.31	0.002105	12.06	10664.72	574.06	0.39
Reach 2	507951	100 - Year	98619	823.8	859.08		860.62	0.001998	12.57	12563.15	601.56	0.38
Reach 2	507951	500 - Year	139816	823.8	865.26		867.17	0.002077	14.34	16621.35	746.43	0.4
Reach 2	507708	2 - Year	2691	819.01	826.45		827.06	0.00912	6.35	453.32	155.67	0.56
Reach 2	507708	5 - Year	20907	819.01	838.92		839.79	0.002462	8.54	3286.77	281.72	0.37
Reach 2	507708	10 - Year	34723	819.01	843.82		845.05	0.002575	10.4	4858.26	366.08	0.4
Reach 2	507708	50 - Year	81099	819.01	855.03		856.78	0.002376	13.24	9853.5	520.85	0.41
Reach 2	507708	100 - Year	98619	819.01	858.18		860.09	0.002368	14.07	11570.59	570.49	0.42
Reach 2	507708	500 - Year	139816	819.01	864.31		866.62	0.002463	15.94	15375.25	700.74	0.43
Reach 2	507461	2 - Year	2691	817.42	826.13		826.29	0.0012	3.39	887.49	164.59	0.23
Reach 2	507461	5 - Year	20907	817.42	838.55		839.28	0.001566	7.68	3845.92	337.07	0.31
Reach 2	507461	10 - Year	34723	817.42	843.53		844.48	0.001636	9.15	5647.4	388.96	0.33
Reach 2	507461	50 - Year	81099	817.42	854.75		856.22	0.001746	12.17	11116.77	573.68	0.36
Reach 2	507461	100 - Year	98619	817.42	857.95		859.52	0.001729	12.83	13013.89	611.21	0.36

Reach 2	507461	500 - Year	139816	817.42	864		866.03	0.001949	15	17078.82	790.52	0.39
Reach 2	507279	2 - Year	2691	815.92	825.78		826.02	0.001802	3.94	701.43	124.73	0.27
Reach 2	507279	5 - Year	20907	815.92	838.04		838.94	0.002062	8.49	3468.03	335.44	0.34
Reach 2	507279	10 - Year	34723	815.92	843.07		844.15	0.001974	9.73	5229.41	365.12	0.35
Reach 2	507279	50 - Year	81099	815.92	854.23		855.87	0.00207	12.87	10407.26	546.87	0.38
Reach 2	507279	100 - Year	98619	815.92	857.44		859.17	0.002022	13.48	12208.19	576.1	0.38
Reach 2	507279	500 - Year	139816	815.92	863.33		865.63	0.002337	15.94	16067.75	774.49	0.42
Reach 2	507041	2 - Year	2691	816	825.21		825.54	0.002206	4.62	600.1	97.6	0.3
Reach 2	507041	5 - Year	20907	816	836.49		838.22	0.003876	11.53	2543.45	267.28	0.47
Reach 2	507041	10 - Year	34723	816	841.4		843.45	0.003724	13.23	4021.57	332.37	0.48
Reach 2	507041	50 - Year	81099	816	852.74		855.21	0.003224	16.03	8707.15	485.88	0.48
Reach 2	507041	100 - Year	98619	816	855.94		858.53	0.003134	16.76	10320.51	525.6	0.48
Reach 2	507041	500 - Year	139816	816	861.86		864.94	0.00329	18.92	13690.1	639.47	0.5
Reach 2	506815	2 - Year	2691	813.99	824.87		825.1	0.001509	3.83	710.44	105.95	0.25
Reach 2	506815	5 - Year	20907	813.99	835.64		837.37	0.003737	11.02	2365.24	243.56	0.46
Reach 2	506815	10 - Year	34723	813.99	840.35		842.58	0.003865	13.08	3650.42	297.35	0.48
Reach 2	506815	50 - Year	81099	813.99	851.34		854.39	0.00371	16.67	7852.82	469.74	0.51
Reach 2	506815	100 - Year	98619	813.99	854.68		857.75	0.00348	17.18	9480.74	505.9	0.5
Reach 2	506815	500 - Year	139816	813.99	860.84		864.18	0.003336	18.64	12795.63	571.32	0.5
Reach 2	506564	2 - Year	2691	810.61	824.76		824.85	0.000419	2.41	1126.48	124.93	0.14
Reach 2	506564	5 - Year	20907	810.61	835.47		836.32	0.001714	7.85	3339.34	273.87	0.31
Reach 2	506564	10 - Year	34723	810.61	840.15		841.41	0.002049	9.85	4752.31	335.35	0.35
Reach 2	506564	50 - Year	81099	810.61	851.07		853.18	0.002436	13.65	9316.53	534.95	0.4
Reach 2	506564	100 - Year	98619	810.61	854.44		856.59	0.002329	14.17	11208.86	579.59	0.4
Reach 2	506564	500 - Year	139816	810.61	860.56		863.07	0.002402	15.84	15028.94	698.67	0.41
Reach 2	506376	2 - Year	2691	812.51	824.67		824.77	0.000499	2.54	1074.41	134.59	0.15
Reach 2	506376	5 - Year	20907	812.51	834.99		835.96	0.001901	8.27	3093.46	260.35	0.33
Reach 2	506376	10 - Year	34723	812.51	839.53		840.98	0.002276	10.41	4398.15	320.44	0.38
Reach 2	506376	50 - Year	81099	812.51	850.22		852.66	0.002648	14.39	8585.14	485.15	0.43
Reach 2	506376	100 - Year	98619	812.51	853.48		856.08	0.002608	15.17	10254.08	537.21	0.44
Reach 2	506376	500 - Year	139816	812.51	859.52		862.53	0.002667	16.93	13851.4	653.37	0.45
Reach 2	506129	2 - Year	2691	812.17	824.52		824.62	0.000677	2.58	1048.62	154.56	0.17
Reach 2	506129	5 - Year	20907	812.17	834.61		835.46	0.001889	7.67	3181.72	258.89	0.32
Reach 2	506129	10 - Year	34723	812.17	839.08		840.38	0.002217	9.68	4436.88	309.45	0.37
Reach 2	506129	50 - Year	81099	812.17	849.76		851.96	0.002474	13.33	8556.37	454.74	0.41
Reach 2	506129	100 - Year	98619	812.17	852.98		855.4	0.002468	14.18	10074.48	496.46	0.42
Reach 2	506129	500 - Year	139816	812.17	858.71		861.85	0.002763	16.57	13655.06	724.69	0.45
Reach 2	505876	2 - Year	2691	814.58	824.24		824.38	0.001344	3.01	919.27	193.31	0.23
Reach 2	505876	5 - Year	20907	814.58	834.19		834.94	0.001978	7.34	3395.65	305.2	0.33
Reach 2	505876	10 - Year	34723	814.58	838.7		839.77	0.002066	8.91	4879.3	350.79	0.35
Reach 2	505876	50 - Year	81099	814.58	849.54		851.24	0.002049	11.87	9632.15	507.54	0.38
Reach 2	505876	100 - Year	98619	814.58	852.81		854.67	0.002012	12.58	11370.65	556.27	0.38
Reach 2	505876	500 - Year	139816	814.58	858.67		860.99	0.002135	14.41	14965.07	684.52	0.4
Reach 2	505559	2 - Year	2691	815.29	823.76		823.9	0.001762	3.05	889.61	208.22	0.26
Reach 2	505559	5 - Year	20907	815.29	833.64		834.32	0.001854	6.84	3447.69	312.3	0.32
Reach 2	505559	10 - Year	34723	815.29	838.16		839.12	0.001874	8.26	4966.32	359.18	0.34
Reach 2	505559	50 - Year	81099	815.29	849.03		850.6	0.001823	11.03	9807.97	539.1	0.36
Reach 2	505559	100 - Year	98619	815.29	852.33		854.03	0.001773	11.67	11710.81	612.16	0.36
Reach 2	505559	500 - Year	139816	815.29	858.3		860.29	0.001755	12.97	15552.32	688.03	0.37
Reach 2	505278	2 - Year	2691	816.83	823.31		823.45	0.001474	2.99	917.94	206.55	0.24
Reach 2	505278	5 - Year	20907	816.83	833.09		833.79	0.001881	7.02	3440.23	297.86	0.32
Reach 2	505278	10 - Year	34723	816.83	837.56		838.57	0.00197	8.57	4840.9	329.09	0.34

Reach 2	505278	50 - Year	81099	816.83	848.35		850.05	0.001995	11.62	9463.73	516.04	0.37
Reach 2	505278	100 - Year	98619	816.83	851.66		853.5	0.001932	12.26	11272.37	575.74	0.37
Reach 2	505278	500 - Year	139816	816.83	857.55		859.75	0.001965	13.78	15059.35	695.82	0.39
Reach 2	505034	2 - Year	2691	814.5	822.87		823.03	0.001965	3.27	857.45	223.22	0.27
Reach 2	505034	5 - Year	20907	814.5	832.71		833.32	0.001786	6.73	3795.77	348.08	0.31
Reach 2	505034	10 - Year	34723	814.5	837.23		838.06	0.001772	8.05	5448.81	385.67	0.33
Reach 2	505034	50 - Year	81099	814.5	848.13		849.5	0.001725	10.75	10504.94	545	0.35
Reach 2	505034	100 - Year	98619	814.5	851.45		852.96	0.001698	11.45	12432.94	619.76	0.35
Reach 2	505034	500 - Year	139816	814.5	857.37		859.19	0.001724	12.87	16405.31	721.73	0.36
Reach 2	504847	2 - Year	2691	815	821.76		822.29	0.009853	5.85	465.08	150.63	0.57
Reach 2	504847	5 - Year	20907	815	831.85		832.83	0.003323	8.65	3059.66	332.72	0.42
Reach 2	504847	10 - Year	34723	815	836.45		837.62	0.002807	9.7	4650.27	358.67	0.41
Reach 2	504847	50 - Year	81099	815	847.2		849.05	0.0026	12.8	9169.6	518.57	0.42
Reach 2	504847	100 - Year	98619	815	850.55		852.53	0.002469	13.44	11044.5	594.49	0.42
Reach 2	504847	500 - Year	139816	815	856.5		858.76	0.002387	14.81	14960.31	715.35	0.42
Reach 2	504650	2 - Year	2691	812.75	821.08		821.3	0.002621	3.77	735.6	194.6	0.31
Reach 2	504650	5 - Year	20907	812.75	831.58		832.25	0.001918	7.17	3612.25	321.06	0.33
Reach 2	504650	10 - Year	34723	812.75	836.15		837.09	0.001948	8.62	5157.37	356.9	0.34
Reach 2	504650	50 - Year	81099	812.75	846.88		848.53	0.002082	11.93	9789.63	537.26	0.38
Reach 2	504650	100 - Year	98619	812.75	850.29		852.03	0.001963	12.43	11697.67	582.46	0.38
Reach 2	504650	500 - Year	139816	812.75	856.2		858.28	0.001996	13.96	15416.36	678.09	0.39
Reach 2	504431	2 - Year	2691	811.81	820.14		820.49	0.005407	4.73	578.43	175.68	0.43
Reach 2	504431	5 - Year	20907	811.81	830.99		831.78	0.002323	7.72	3359.84	312.89	0.36
Reach 2	504431	10 - Year	34723	811.81	835.55		836.62	0.002297	9.2	4882.56	356.28	0.37
Reach 2	504431	50 - Year	81099	811.81	846.34		848.06	0.002238	12.24	9637.04	536.8	0.39
Reach 2	504431	100 - Year	98619	811.81	849.78		851.58	0.002098	12.74	11586.63	594.27	0.39
Reach 2	504431	500 - Year	139816	811.81	855.73		857.83	0.002085	14.17	15409.3	689.99	0.4
Reach 2	504227	2 - Year	2691	811.5	819.26		819.57	0.003774	4.46	608.58	145.43	0.37
Reach 2	504227	5 - Year	20907	811.5	830.32		831.27	0.002542	8.41	3112.54	309.93	0.38
Reach 2	504227	10 - Year	34723	811.5	834.87		836.12	0.002502	9.91	4646.47	358.51	0.39
Reach 2	504227	50 - Year	81099	811.5	845.53		847.55	0.002567	13.34	9237.93	550.96	0.42
Reach 2	504227	100 - Year	98619	811.5	849.03		851.1	0.002382	13.81	11311.28	632.19	0.42
Reach 2	504227	500 - Year	139816	811.5	855.15		857.39	0.002232	14.92	15538.77	741.34	0.41
Reach 2	504041	2 - Year	2691	809.54	818.75		818.98	0.002475	3.87	704.6	151.83	0.31
Reach 2	504041	5 - Year	20907	809.54	829.87		830.82	0.002316	8.17	3056.4	297.67	0.36
Reach 2	504041	10 - Year	34723	809.54	834.38		835.66	0.002393	9.81	4578.62	368.09	0.38
Reach 2	504041	50 - Year	81099	809.54	845.07		847.08	0.002417	13.05	9255.6	551.39	0.41
Reach 2	504041	100 - Year	98619	809.54	848.56		850.67	0.002293	13.65	11424.85	675.76	0.41
Reach 2	504041	500 - Year	139816	809.54	854.77		856.98	0.002105	14.6	16041.42	803.15	0.4
Reach 2	503858	2 - Year	2691	808.17	818.34		818.56	0.002112	3.79	711.15	134.53	0.29
Reach 2	503858	5 - Year	20907	808.17	829.26		830.35	0.002616	8.75	2831.66	269.67	0.38
Reach 2	503858	10 - Year	34723	808.17	833.65		835.16	0.002798	10.61	4246.12	363.04	0.41
Reach 2	503858	50 - Year	81099	808.17	844.45		846.61	0.002621	13.6	8895.41	518.4	0.43
Reach 2	503858	100 - Year	98619	808.17	847.77		850.18	0.002658	14.65	10963.17	699.34	0.44
Reach 2	503858	500 - Year	139816	808.17	854.24		856.56	0.00227	15.17	16037.93	858.49	0.42
Reach 2	503670	2 - Year	2691	806	818.13		818.27	0.000996	3.06	883.81	135.37	0.2
Reach 2	503670	5 - Year	20907	806	828.89		829.87	0.002123	8.34	3009.28	260.35	0.35
Reach 2	503670	10 - Year	34723	806	833.16		834.64	0.002529	10.52	4365	360.91	0.4
Reach 2	503670	50 - Year	81099	806	844		846.11	0.002444	13.52	8981.53	499.98	0.42
Reach 2	503670	100 - Year	98619	806	847.07		849.65	0.002714	15.12	10878.37	720.51	0.44
Reach 2	503670	500 - Year	139816	806	853.79		856.13	0.002209	15.29	16284.74	879.46	0.41
Reach 2	503450	2 - Year	2691	807.6	817.91		818.06	0.00091	3.07	885.71	130.18	0.2

Reach 2	503450	5 - Year	20907	807.6	828.27		829.35	0.002354	8.84	3025.09	313.09	0.37
Reach 2	503450	10 - Year	34723	807.6	832.61		834.07	0.002563	10.67	4495	366.08	0.4
Reach 2	503450	50 - Year	81099	807.6	843.47		845.55	0.002504	13.76	9294.28	548.12	0.42
Reach 2	503450	100 - Year	98619	807.6	846.51		849.01	0.00274	15.27	11388.92	773.56	0.45
Reach 2	503450	500 - Year	139816	807.6	853.41		855.55	0.002136	15.15	17357.81	953.99	0.41
Reach 2	503223	2 - Year	2695	810.24	817.15		817.53	0.005039	4.97	542.02	130.9	0.43
Reach 2	503223	5 - Year	20942	810.24	827.62		828.72	0.00322	9.15	3036.11	350.7	0.42
Reach 2	503223	10 - Year	34723	810.24	832.01		833.34	0.002993	10.5	4775.8	445.13	0.42
Reach 2	503223	50 - Year	81278	810.24	843.05		844.53	0.002196	12.2	11340.9	757.19	0.39
Reach 2	503223	100 - Year	98853	810.24	846.13		847.76	0.002218	13.08	13995.8	989.03	0.4
Reach 2	503223	500 - Year	140071	810.24	853.13		854.52	0.001679	12.93	22456.22	1454.08	0.36
Reach 2	503107	2 - Year	2695	808.72	816.58		816.97	0.004647	4.98	540.93	120.51	0.41
Reach 2	503107	5 - Year	20942	808.72	826.9		828.24	0.003812	9.95	2794.08	387.77	0.46
Reach 2	503107	10 - Year	34723	808.72	831.61		832.97	0.003055	10.71	4941.99	528.16	0.43
Reach 2	503107	50 - Year	81278	808.72	843		844.11	0.001777	11.11	13824.04	1037.87	0.35
Reach 2	503107	100 - Year	98853	808.72	846.12		847.29	0.001746	11.74	17651.62	1467.5	0.36
Reach 2	503107	500 - Year	140071	808.72	853.31		854.03	0.001004	10.12	29111.38	1690.37	0.28
Reach 2	502926	2 - Year	2695	808.25	815.24		815.79	0.008858	5.95	453.04	125.72	0.55
Reach 2	502926	5 - Year	20942	808.25	826.35		827.48	0.003336	9.19	3156.64	436.85	0.43
Reach 2	502926	10 - Year	34723	808.25	831.23		832.33	0.002516	9.7	5624.9	578.63	0.39
Reach 2	502926	50 - Year	81278	808.25	842.79		843.72	0.001484	10.18	15308.21	1071.68	0.32
Reach 2	502926	100 - Year	98853	808.25	845.99		846.86	0.001292	10.15	18832.31	1134.09	0.31
Reach 2	502926	500 - Year	140071	808.25	853.04		853.82	0.001	10.12	27656.97	1385.63	0.28
Reach 2	502725	2 - Year	2695	807.1	814.36		814.62	0.003293	4.1	657.97	153.55	0.35
Reach 2	502725	5 - Year	20942	807.1	825.98		826.81	0.002034	7.69	3415.73	356.52	0.34
Reach 2	502725	10 - Year	34723	807.1	830.79		831.87	0.001985	9.06	5292.41	461.94	0.35
Reach 2	502725	50 - Year	81278	807.1	842.14		843.34	0.001527	10.63	12950.24	804.33	0.33
Reach 2	502725	100 - Year	98853	807.1	845.26		846.48	0.001443	10.99	15529.83	856.27	0.33
Reach 2	502725	500 - Year	140071	807.1	852.2		853.45	0.001274	11.64	22176.06	1083.32	0.32
Reach 2	502471	2 - Year	2695	804	813.58		813.87	0.002601	4.33	646.81	139.22	0.32
Reach 2	502471	5 - Year	20942	804	825.22		826.2	0.002419	8.81	3292.04	314.38	0.37
Reach 2	502471	10 - Year	34723	804	829.86		831.21	0.002588	10.68	5042.09	459.35	0.4
Reach 2	502471	50 - Year	81278	804	841.35		842.82	0.001986	12.39	11615.71	674.59	0.38
Reach 2	502471	100 - Year	98853	804	844.44		845.97	0.001928	12.95	13772.73	724.23	0.38
Reach 2	502471	500 - Year	140071	804	851.31		852.96	0.001786	13.98	19352.93	922.22	0.37
Reach 2	502238	2 - Year	2695	804	813.14		813.36	0.001634	3.8	708.84	108.11	0.26
Reach 2	502238	5 - Year	20942	804	824.12		825.48	0.003022	9.86	2699.75	267.14	0.41
Reach 2	502238	10 - Year	34723	804	828.53		830.4	0.003309	11.98	3968.69	310.33	0.45
Reach 2	502238	50 - Year	81278	804	839		841.84	0.003486	15.95	8390.4	535.07	0.49
Reach 2	502238	100 - Year	98853	804	842.12		845.02	0.00331	16.52	10134.36	577.22	0.49
Reach 2	502238	500 - Year	140071	804	849.01		852.05	0.002997	17.69	14593.44	755.12	0.48
Reach 2	502036	2 - Year	2695	800.09	812.92		813.06	0.000867	2.94	917.51	129.95	0.19
Reach 2	502036	5 - Year	20942	800.09	823.69		824.69	0.002105	8.33	3062.06	285.66	0.35
Reach 2	502036	10 - Year	34723	800.09	828.06		829.5	0.002406	10.3	4403.08	326.48	0.39
Reach 2	502036	50 - Year	81278	800.09	838.45		840.97	0.002829	14.43	8348.83	461.51	0.45
Reach 2	502036	100 - Year	98853	800.09	841.55		844.32	0.002849	15.39	9857.58	509.86	0.45
Reach 2	502036	500 - Year	140071	800.09	847.74		851.23	0.003053	17.72	13387.83	706.76	0.48
Reach 2	501856	2 - Year	2695	799.87	812.71		812.87	0.001088	3.22	840.73	127.07	0.21
Reach 2	501856	5 - Year	20942	799.87	823.23		824.27	0.002421	8.69	3062	290.17	0.37
Reach 2	501856	10 - Year	34723	799.87	827.6		829.04	0.00266	10.58	4422.45	327.28	0.4
Reach 2	501856	50 - Year	81278	799.87	837.99		840.42	0.002956	14.47	8165.21	401.33	0.45
Reach 2	501856	100 - Year	98853	799.87	840.85		843.75	0.003211	15.97	9403.37	462.4	0.48
Reach 2	501856	500 - Year	140071	799.87	846.52		850.5	0.003734	19.03	12412.55	653.8	0.53

Reach 2	501677	2 - Year	2695	800.05	812.57		812.7	0.000812	2.92	930.7	133.9	0.19
Reach 2	501677	5 - Year	20942	800.05	822.94		823.82	0.002151	8.08	3266.82	285.92	0.34
Reach 2	501677	10 - Year	34723	800.05	827.26		828.55	0.002449	10.01	4578.88	320.08	0.38
Reach 2	501677	50 - Year	81278	800.05	837.6		839.87	0.00282	13.93	8240.85	389.69	0.43
Reach 2	501677	100 - Year	98853	800.05	840.48		843.15	0.003012	15.24	9408.89	425.21	0.45
Reach 2	501677	500 - Year	140071	800.05	845.93		849.84	0.003726	18.67	12115.33	607.37	0.52
Reach 2	501472	2 - Year	2695	800.75	812.25		812.46	0.001736	3.64	740.66	130.22	0.26
Reach 2	501472	5 - Year	20942	800.75	822.37		823.33	0.002721	8.53	3155.73	295.92	0.38
Reach 2	501472	10 - Year	34723	800.75	826.69		828.02	0.002891	10.33	4515.69	335.26	0.41
Reach 2	501472	50 - Year	81278	800.75	837.1		839.27	0.002963	13.82	8357.85	399.95	0.44
Reach 2	501472	100 - Year	98853	800.75	839.99		842.49	0.003087	14.98	9547.72	424.33	0.46
Reach 2	501472	500 - Year	140071	800.75	845.41		849.01	0.003758	18.27	12377.47	599.27	0.52
Reach 2	501324	2 - Year	2695	800.58	812.08		812.26	0.000917	3.38	804.16	139.49	0.23
Reach 2	501324	5 - Year	20942	800.58	822.04		823.01	0.001731	8.57	3312.31	305.32	0.37
Reach 2	501324	10 - Year	34723	800.58	826.24		827.65	0.001945	10.59	4654.32	333.55	0.41
Reach 2	501324	50 - Year	81278	800.58	836.15		838.76	0.002308	15.01	8266.83	398.48	0.48
Reach 2	501324	100 - Year	98853	800.58	838.63		841.86	0.002605	16.8	9293.8	442.23	0.52
Reach 2	501324	500 - Year	140071	800.58	844.05		848.32	0.002918	19.68	12030.94	540.72	0.56
Reach 2	501163	2 - Year	2695	800.83	812.02		812.13	0.000524	2.75	1017.22	188.15	0.18
Reach 2	501163	5 - Year	20942	800.83	821.86		822.73	0.001386	7.9	3367.45	296.39	0.34
Reach 2	501163	10 - Year	34723	800.83	826		827.33	0.001643	9.97	4670.41	330.34	0.38
Reach 2	501163	50 - Year	81278	800.83	835.79		838.4	0.002085	14.52	8275.12	417.23	0.46
Reach 2	501163	100 - Year	98853	800.83	838.22		841.46	0.002358	16.24	9363.74	475.31	0.5
Reach 2	501163	500 - Year	140071	800.83	843.68		847.84	0.002583	18.82	12093.56	547.44	0.53
Reach 2	501056	2 - Year	2695	800.75	811.98		812.08	0.000453	2.54	1071.78	170.58	0.17
Reach 2	501056	5 - Year	20942	800.75	821.71		822.59	0.001316	7.73	3254.16	292.29	0.33
Reach 2	501056	10 - Year	34723	800.75	825.81		827.16	0.001586	9.82	4555.76	337.14	0.38
Reach 2	501056	50 - Year	81278	800.75	835.56		838.18	0.001999	14.25	8174.85	421.05	0.45
Reach 2	501056	100 - Year	98853	800.75	838.04		841.19	0.002202	15.75	9261.5	457.27	0.48
Reach 2	501056	500 - Year	140071	800.75	843.44		847.55	0.002444	18.36	11991.6	543.28	0.52
Reach 2	500936	2 - Year	2695	800.31	811.93		812.02	0.000398	2.45	1125.87	182.55	0.16
Reach 2	500936	5 - Year	20942	800.31	821.61		822.42	0.001216	7.53	3434	294.22	0.32
Reach 2	500936	10 - Year	34723	800.31	825.67		826.96	0.001502	9.65	4721.65	337.81	0.37
Reach 2	500936	50 - Year	81278	800.31	835.4		837.92	0.001922	14.07	8429.14	425.73	0.45
Reach 2	500936	100 - Year	98853	800.31	837.84		840.9	0.00214	15.62	9514.85	465.77	0.48
Reach 2	500936	500 - Year	140071	800.31	843.23		847.23	0.002388	18.24	12222.8	541.9	0.52
Reach 2	500812	2 - Year	2695	799.67	811.87		811.97	0.000461	2.52	1095.63	182.43	0.17
Reach 2	500812	5 - Year	20942	799.67	821.44		822.26	0.001322	7.49	3313.56	283.75	0.33
Reach 2	500812	10 - Year	34723	799.67	825.47		826.76	0.001609	9.59	4532.62	323.83	0.38
Reach 2	500812	50 - Year	81278	799.67	835.1		837.66	0.002037	14	8184.33	438.37	0.45
Reach 2	500812	100 - Year	98853	799.67	837.56		840.62	0.002226	15.44	9312.71	477.5	0.48
Reach 2	500812	500 - Year	140071	799.67	843		846.9	0.002402	17.8	12105.58	547.36	0.51
Reach 2	500667	2 - Year	2695	800.17	811.83		811.9	0.000369	2.24	1237.45	205.61	0.15
Reach 2	500667	5 - Year	20942	800.17	821.36		822.05	0.001059	6.84	3602.18	306.92	0.3
Reach 2	500667	10 - Year	34723	800.17	825.4		826.49	0.001296	8.76	4947.23	354.12	0.34
Reach 2	500667	50 - Year	81278	800.17	835.13		837.27	0.001631	12.76	9018.58	484.75	0.41
Reach 2	500667	100 - Year	98853	800.17	837.64		840.18	0.001773	14.04	10281.79	525.5	0.43
Reach 2	500667	500 - Year	140071	800.17	843.13		846.4	0.001932	16.25	13501.37	638.02	0.46
Reach 2	500456	2 - Year	2695	802.97	811.67		811.79	0.000814	2.82	990.13	206.17	0.22
Reach 2	500456	5 - Year	20942	802.97	821.1		821.8	0.00129	7.07	3741.64	372.72	0.33
Reach 2	500456	10 - Year	34723	802.97	825.17		826.18	0.001398	8.67	5330.43	406.64	0.35
Reach 2	500456	50 - Year	81278	802.97	835		836.85	0.001577	12.2	9928.2	553.01	0.4

Reach 2	500456	100 - Year	98853	802.97	837.55		839.7	0.001671	13.3	11399.22	598.59	0.42
Reach 2	500456	500 - Year	140071	802.97	843.15		845.84	0.001752	15.21	14980.73	706.94	0.44
Reach 2	500290	2 - Year	2695	802.57	811.59		811.68	0.000446	2.45	1164.71	210.03	0.17
Reach 2	500290	5 - Year	20942	802.57	820.87		821.59	0.001197	7.19	3735.26	353.57	0.32
Reach 2	500290	10 - Year	34723	802.57	824.85		825.94	0.001409	9.05	5264.23	412.44	0.36
Reach 2	500290	50 - Year	81278	802.57	834.65		836.57	0.001605	12.62	9875.15	530.56	0.41
Reach 2	500290	100 - Year	98853	802.57	837.14		839.41	0.001731	13.83	11243.9	568.88	0.43
Reach 2	500290	500 - Year	140071	802.57	842.42		845.5	0.001979	16.36	14878.1	811.62	0.47
Reach 2	500153	2 - Year	2695	802.09	811.38		811.55	0.001659	3.36	850.99	194.36	0.26
Reach 2	500153	5 - Year	20942	802.09	820.4		821.3	0.002691	8.26	3359.67	371.3	0.38
Reach 2	500153	10 - Year	34723	802.09	824.48		825.66	0.002699	9.77	5006.89	434.42	0.4
Reach 2	500153	50 - Year	81278	802.09	834.47		836.21	0.002566	12.7	10317.58	665.32	0.42
Reach 2	500153	100 - Year	98853	802.09	837.02		838.96	0.002628	13.61	12110.38	745.96	0.43
Reach 2	500153	500 - Year	140071	802.09	842.61		844.71	0.002473	14.75	16740.41	900.07	0.43
Reach 2	499991	2 - Year	2695	801.97	811.03		811.23	0.002286	3.69	769.71	193.74	0.29
Reach 2	499991	5 - Year	20942	801.97	819.84		820.82	0.00314	8.62	3129.8	336.42	0.41
Reach 2	499991	10 - Year	34723	801.97	823.82		825.16	0.003214	10.34	4597.35	407.72	0.43
Reach 2	499991	50 - Year	81278	801.97	833.73		835.73	0.003024	13.49	10181.61	797.12	0.45
Reach 2	499991	100 - Year	98853	801.97	836.48		838.51	0.002841	13.94	12550.49	912.62	0.45
Reach 2	499991	500 - Year	140071	801.97	842.32		844.27	0.002421	14.47	18841.61	1243.34	0.42
Reach 2	499917	2 - Year	2695	801.74	810.88		811.06	0.001984	3.45	803.54	190.48	0.28
Reach 2	499917	5 - Year	20942	801.74	819.61		820.59	0.003051	8.47	3086.21	337.38	0.4
Reach 2	499917	10 - Year	34723	801.74	823.6		824.92	0.003087	10.12	4602.41	440.74	0.42
Reach 2	499917	50 - Year	81278	801.74	833.79		835.28	0.002332	11.92	12635.31	1148.1	0.4
Reach 2	499917	100 - Year	98853	801.74	836.67		837.97	0.001956	11.66	15995.69	1184.98	0.37
Reach 2	499917	500 - Year	140071	801.74	842.6		843.71	0.001482	11.42	23240.3	1257.07	0.33
Reach 2	499846	2 - Year	2695	803.1	810.71		810.91	0.002423	3.58	780.04	205.65	0.3
Reach 2	499846	5 - Year	20942	803.1	819.46		820.36	0.0029	8.1	3297.07	416.48	0.39
Reach 2	499846	10 - Year	34723	803.1	823.57		824.65	0.002651	9.28	5257.73	534.66	0.39
Reach 2	499846	50 - Year	81278	803.1	833.82		835.05	0.001957	10.87	12447.76	837.98	0.37
Reach 2	499846	100 - Year	98853	803.1	836.58		837.82	0.001824	11.19	14783.14	857.54	0.36
Reach 2	499846	500 - Year	140071	803.1	842.25		843.57	0.001645	11.91	19794.12	909.57	0.35
Reach 2	499674	2 - Year	2695	802.87	810.36		810.52	0.001995	3.25	839.33	202.66	0.27
Reach 2	499674	5 - Year	20942	802.87	818.94		819.86	0.002847	7.96	3177.7	409.42	0.39
Reach 2	499674	10 - Year	34723	802.87	823.05		824.18	0.002645	9.21	5396.69	683.08	0.39
Reach 2	499674	50 - Year	81278	802.87	833.69		834.67	0.001545	9.71	13834.82	864.74	0.32
Reach 2	499674	100 - Year	98853	802.87	836.44		837.47	0.00148	10.13	16249.46	891.96	0.32
Reach 2	499674	500 - Year	140071	802.87	842.12		843.25	0.001377	10.94	21465.41	942.48	0.32
Reach 2	499406	2 - Year	2695	803.14	807.67	807.67	809.01	0.03321	9.32	289.34	110.25	1.01
Reach 2	499406	5 - Year	20942	803.14	816.84		818.61	0.007556	11.79	2476.12	370.29	0.61
Reach 2	499406	10 - Year	34723	803.14	821.61		823.21	0.004823	11.88	4510.89	492.14	0.52
Reach 2	499406	50 - Year	81278	803.14	832.55		834.08	0.002839	12.86	11845.66	946.61	0.44
Reach 2	499406	100 - Year	98853	803.14	835.55		836.94	0.002408	12.71	14720.88	971.06	0.41
Reach 2	499406	500 - Year	140071	803.14	841.52		842.81	0.001931	12.84	20671.16	1022.12	0.38
Reach 2	499243	2 - Year	2695	794.77	806.15		806.34	0.00114	3.61	799.54	113.34	0.22
Reach 2	499243	5 - Year	20942	794.77	816.59		817.67	0.002945	9.08	3280.92	408.73	0.4
Reach 2	499243	10 - Year	34723	794.77	821.37		822.52	0.002501	9.99	5516.46	520.66	0.39
Reach 2	499243	50 - Year	81278	794.77	832.44		833.6	0.001789	11.27	13365.99	836.19	0.35
Reach 2	499243	100 - Year	98853	794.77	835.38		836.54	0.001679	11.58	15862.94	864.76	0.35
Reach 2	499243	500 - Year	140071	794.77	841.27		842.51	0.001555	12.38	21150.62	931.2	0.34
Reach 2	498987	2 - Year	2695	798.56	805.29		805.76	0.005978	5.51	507.38	116.46	0.44
Reach 2	498987	5 - Year	20942	798.56	815.46		816.71	0.004953	9.96	2817.8	321.39	0.47

Reach 2	498987	10 - Year	34723	798.56	820.26		821.69	0.004168	11.14	4618.08	445.81	0.45
Reach 2	498987	50 - Year	81278	798.56	831.64		833.04	0.002652	12.2	11240.1	723.1	0.39
Reach 2	498987	100 - Year	98853	798.56	834.57		836.01	0.002521	12.66	13461.35	793.96	0.39
Reach 2	498987	500 - Year	140071	798.56	840.54		842.03	0.002233	13.31	18468.24	880.76	0.38
Reach 2	498851	2 - Year	2695	796.46	802.44	802.44	804	0.036612	10.05	268.41	87.82	1
Reach 2	498851	5 - Year	20942	796.46	814.24		815.94	0.006371	11.65	2495.36	296.18	0.54
Reach 2	498851	10 - Year	34723	796.46	819.34		821.09	0.004918	12.52	4356	436.75	0.5
Reach 2	498851	50 - Year	81278	796.46	831.09		832.68	0.00303	13.44	11214.11	855.26	0.42
Reach 2	498851	100 - Year	98853	796.46	834.15		835.68	0.002762	13.65	13912.49	898.89	0.41
Reach 2	498851	500 - Year	140071	796.46	840.33		841.74	0.002243	13.74	19748.51	1013.75	0.38
Reach 2	498727	2 - Year	2695	787.49	802.52		802.64	0.00069	2.83	960.04	111.51	0.16
Reach 2	498727	5 - Year	20942	787.49	814.31		815.31	0.00215	8.54	3153.65	265.73	0.33
Reach 2	498727	10 - Year	34723	787.49	819.12		820.58	0.002562	10.68	4751.74	407.85	0.37
Reach 2	498727	50 - Year	81278	787.49	830.71		832.36	0.002267	12.84	11302.37	715.24	0.37
Reach 2	498727	100 - Year	98853	787.49	833.71		835.38	0.002198	13.3	13549.75	772.53	0.37
Reach 2	498727	500 - Year	140071	787.49	839.75		841.45	0.002065	14.14	18414.93	860.54	0.36
Reach 2	498622	2 - Year	2695	786.68	802.44		802.57	0.00074	2.92	966.55	118.18	0.17
Reach 2	498622	5 - Year	20942	786.68	813.95		815.06	0.002418	9	2970.89	238.6	0.35
Reach 2	498622	10 - Year	34723	786.68	818.66		820.28	0.002898	11.28	4468.52	373.28	0.39
Reach 2	498622	50 - Year	81278	786.68	830.31		832.1	0.002481	13.41	10679.65	650.08	0.39
Reach 2	498622	100 - Year	98853	786.68	833.3		835.12	0.002408	13.91	12675.04	683.64	0.39
Reach 2	498622	500 - Year	140071	786.68	839.18		841.19	0.002416	15.25	16998.38	798.79	0.4
Reach 2	498491	2 - Year	2695	785.73	802.42		802.49	0.000285	2.12	1314.54	131.78	0.11
Reach 2	498491	5 - Year	20942	785.73	813.87		814.73	0.001543	7.76	3296.57	248.07	0.28
Reach 2	498491	10 - Year	34723	785.73	818.52		819.88	0.002039	10.06	4648.43	336.33	0.34
Reach 2	498491	50 - Year	81278	785.73	829.75		831.76	0.002315	13.43	10099.33	611.39	0.38
Reach 2	498491	100 - Year	98853	785.73	832.66		834.78	0.002339	14.16	11934.21	647.81	0.38
Reach 2	498491	500 - Year	140071	785.73	838.45		840.83	0.002418	15.69	15949.02	747.58	0.4
Reach 2	498357	2 - Year	2695	787.12	802.35		802.44	0.000493	2.46	1160.5	149.14	0.14
Reach 2	498357	5 - Year	20942	787.12	813.67		814.51	0.001762	7.79	3345.21	244.33	0.3
Reach 2	498357	10 - Year	34723	787.12	818.24		819.59	0.002288	10.12	4653.32	335.78	0.35
Reach 2	498357	50 - Year	81278	787.12	829.52		831.41	0.002381	13.18	10249.94	617.51	0.38
Reach 2	498357	100 - Year	98853	787.12	832.45		834.42	0.002365	13.82	12101.28	647.65	0.39
Reach 2	498357	500 - Year	140071	787.12	838.22		840.47	0.002429	15.33	16118.27	750.6	0.4
Reach 2	498215	2 - Year	2695	794.97	802.07		802.29	0.00244	3.93	760.01	162.99	0.29
Reach 2	498215	5 - Year	20942	794.97	813.16		814.17	0.002972	8.86	3069.51	264.22	0.38
Reach 2	498215	10 - Year	34723	794.97	817.74		819.2	0.003259	10.9	4451.59	339.44	0.41
Reach 2	498215	50 - Year	81278	794.97	829.17		831.04	0.002819	13.47	9975.05	596.83	0.41
Reach 2	498215	100 - Year	98853	794.97	832.09		834.06	0.002764	14.12	11777.92	635.1	0.42
Reach 2	498215	500 - Year	140071	794.97	837.87		840.1	0.002759	15.58	15723	738.31	0.43
Reach 2	498044	2 - Year	2695	791.29	801.32		801.71	0.004683	5.06	540.42	116.75	0.39
Reach 2	498044	5 - Year	20942	791.29	812.42		813.58	0.003763	9.67	2963.61	292.58	0.42
Reach 2	498044	10 - Year	34723	791.29	817.12		818.6	0.003674	11.31	4467.48	355.07	0.43
Reach 2	498044	50 - Year	81278	791.29	828.67		830.53	0.003051	13.79	9957.93	597.81	0.43
Reach 2	498044	100 - Year	98853	791.29	831.63		833.55	0.002944	14.35	11771.79	630.65	0.42
Reach 2	498044	500 - Year	140071	791.29	837.45		839.58	0.002858	15.65	15690.9	711.65	0.43
Reach 2	497903	2 - Year	2695	791.05	800.96		801.21	0.002405	4.02	700.06	138.54	0.29
Reach 2	497903	5 - Year	20942	791.05	811.99		813.08	0.003163	9.18	3033.05	290.62	0.39
Reach 2	497903	10 - Year	34723	791.05	816.7		818.1	0.003156	10.78	4505.7	331.84	0.41
Reach 2	497903	50 - Year	81278	791.05	827.93		830.07	0.003172	14.26	9307.16	554.8	0.44
Reach 2	497903	100 - Year	98853	791.05	830.83		833.1	0.003138	15	10971.01	593.11	0.44
Reach 2	497903	500 - Year	140071	791.05	836.53		839.12	0.003165	16.61	14607.08	688.38	0.45

Reach 2	497770	2 - Year	2695	790.25	800.59		800.87	0.002705	4.18	654.55	123.92	0.3
Reach 2	497770	5 - Year	20942	790.25	811.4		812.62	0.003611	9.62	2833.61	271.77	0.41
Reach 2	497770	10 - Year	34723	790.25	816.08		817.65	0.003587	11.29	4164.94	298.22	0.43
Reach 2	497770	50 - Year	81278	790.25	827.06		829.58	0.00377	15.24	8515.73	515.42	0.47
Reach 2	497770	100 - Year	98853	790.25	829.91		832.61	0.003762	16.11	10043.08	558.96	0.48
Reach 2	497770	500 - Year	140071	790.25	835.61		838.64	0.003715	17.69	13449.07	641.77	0.49
Reach 2	497622	2 - Year	2695	788.86	800.45		800.6	0.000998	3.15	867.02	113.31	0.19
Reach 2	497622	5 - Year	20942	788.86	810.97		812.13	0.002891	9.28	2932.28	270.04	0.38
Reach 2	497622	10 - Year	34723	788.86	815.57		817.15	0.00316	11.23	4280.05	312.01	0.41
Reach 2	497622	50 - Year	81278	788.86	826.23		829	0.003775	15.77	8351.09	520.23	0.48
Reach 2	497622	100 - Year	98853	788.86	829.18		832.05	0.003686	16.47	9926.16	550.62	0.48
Reach 2	497622	500 - Year	140071	788.86	834.83		838.07	0.003721	18.19	13265.17	635.55	0.49
Reach 2	497429	2 - Year	2695	787.67	800.35		800.45	0.000527	2.47	1131.84	150.48	0.14
Reach 2	497429	5 - Year	20942	787.67	810.76		811.58	0.001919	7.8	3399.48	271.86	0.31
Reach 2	497429	10 - Year	34723	787.67	815.3		816.53	0.002281	9.77	4719.16	306.68	0.35
Reach 2	497429	50 - Year	81278	787.67	825.71		828.28	0.00321	14.72	8529.37	514.71	0.44
Reach 2	497429	100 - Year	98853	787.67	828.59		831.35	0.003253	15.63	10088.69	561.21	0.45
Reach 2	497429	500 - Year	140071	787.67	834.29		837.36	0.003247	17.16	13463.7	618.75	0.46
Reach 2	497260	2 - Year	2695	789.66	800.2		800.33	0.000868	2.93	989.91	162.42	0.18
Reach 2	497260	5 - Year	20942	789.66	810.33		811.22	0.002365	8.29	3341.76	285.16	0.34
Reach 2	497260	10 - Year	34723	789.66	814.87		816.11	0.002639	10.15	4710.6	319.3	0.37
Reach 2	497260	50 - Year	81278	789.66	825.31		827.66	0.003326	14.65	8705.52	493.2	0.45
Reach 2	497260	100 - Year	98853	789.66	828.05		830.77	0.003552	15.96	10147.86	570.29	0.47
Reach 2	497260	500 - Year	140071	789.66	833.8		836.76	0.00344	17.34	13570.01	624.47	0.47
Reach 2	497111	2 - Year	2695	788.64	800.11		800.21	0.000643	2.62	1096.08	161.8	0.16
Reach 2	497111	5 - Year	20942	788.64	810.05		810.86	0.002104	7.89	3449.49	287.04	0.32
Reach 2	497111	10 - Year	34723	788.64	814.54		815.72	0.002414	9.77	4802.33	318.29	0.36
Reach 2	497111	50 - Year	81278	788.64	824.87		827.16	0.003145	14.27	8833.45	504.34	0.44
Reach 2	497111	100 - Year	98853	788.64	827.62		830.22	0.003309	15.43	10303.3	568.33	0.45
Reach 2	497111	500 - Year	140071	788.64	833.36		836.23	0.003253	16.88	13779.26	634.8	0.46
Reach 2	496961	2 - Year	2695	788.12	799.95		800.08	0.001128	2.95	971.17	180.2	0.2
Reach 2	496961	5 - Year	20942	788.12	809.76		810.52	0.002296	7.65	3544.68	320.59	0.33
Reach 2	496961	10 - Year	34723	788.12	814.28		815.31	0.002404	9.19	5078.33	358.99	0.35
Reach 2	496961	50 - Year	81278	788.12	824.7		826.59	0.002842	13.05	9932.92	670.94	0.41
Reach 2	496961	100 - Year	98853	788.12	827.58		829.58	0.002815	13.77	12014.91	756.22	0.41
Reach 2	496961	500 - Year	140071	788.12	833.54		835.55	0.002522	14.5	16878.1	861.17	0.4
Reach 2	496880	2 - Year	2695	788.14	799.86		799.99	0.001163	2.9	983.19	190.96	0.2
Reach 2	496880	5 - Year	20942	788.14	809.67		810.31	0.002004	7.06	3875.93	348.83	0.31
Reach 2	496880	10 - Year	34723	788.14	814.22		815.08	0.002058	8.44	5538.8	382.36	0.33
Reach 2	496880	50 - Year	81278	788.14	824.7		826.29	0.002424	12.02	10243.88	565.17	0.38
Reach 2	496880	100 - Year	98853	788.14	827.55		829.3	0.002441	12.79	11912.1	599.65	0.39
Reach 2	496880	500 - Year	140071	788.14	833.22		835.33	0.002541	14.45	15884.14	765.27	0.4
Reach 2	496784	2 - Year	2695	789.13	799.68		799.85	0.001776	3.34	832.43	163.43	0.24
Reach 2	496784	5 - Year	20942	789.13	809.32		810.08	0.002577	7.72	3532.1	336.07	0.35
Reach 2	496784	10 - Year	34723	789.13	813.86		814.85	0.002522	9.07	5132.8	368.59	0.36
Reach 2	496784	50 - Year	81278	789.13	824.22		826.02	0.002866	12.76	9569.04	535.71	0.41
Reach 2	496784	100 - Year	98853	789.13	826.98		829.01	0.002962	13.75	11114.79	589.78	0.42
Reach 2	496784	500 - Year	140071	789.13	832.72		835.05	0.00293	15.21	14736.79	670.51	0.43
Reach 2	496565	2 - Year	2695	788.57	799.16		799.37	0.002691	3.74	743.54	178.5	0.29
Reach 2	496565	5 - Year	20942	788.57	808.67		809.48	0.002953	7.95	3438.87	348.35	0.37
Reach 2	496565	10 - Year	34723	788.57	813.29		814.29	0.002689	9.12	5126.89	382.94	0.37
Reach 2	496565	50 - Year	81278	788.57	823.69		825.38	0.002803	12.43	9667.63	523.95	0.4
Reach 2	496565	100 - Year	98853	788.57	826.39		828.36	0.002973	13.57	11211.5	598.48	0.42

Reach 2	496565	500 - Year	140071	788.57	832.08		834.42	0.003004	15.2	14912.16	713.82	0.43
Reach 2	496405	2 - Year	2695	790.11	798.65		798.89	0.003369	3.99	713.55	186.61	0.33
Reach 2	496405	5 - Year	20942	790.11	808.14		808.99	0.003198	8.14	3327.89	339.33	0.38
Reach 2	496405	10 - Year	34723	790.11	812.81		813.85	0.002841	9.28	5007.05	378.25	0.38
Reach 2	496405	50 - Year	81278	790.11	823.26		824.94	0.002811	12.38	9531.88	497.38	0.4
Reach 2	496405	100 - Year	98853	790.11	825.8		827.87	0.003151	13.86	10926.22	588.29	0.43
Reach 2	496405	500 - Year	140071	790.11	831.48		833.92	0.003177	15.53	14686.35	767.73	0.45
Reach 2	496227	2 - Year	2695	788.64	796.19	796.16	797.36	0.040058	8.68	310.51	131.84	1
Reach 2	496227	5 - Year	20942	788.64	807.43		808.37	0.003834	8.55	3130.42	330.7	0.41
Reach 2	496227	10 - Year	34723	788.64	812.22		813.32	0.003168	9.54	4808.02	368.61	0.39
Reach 2	496227	50 - Year	81278	788.64	822.67		824.43	0.002993	12.55	9171.12	498.99	0.41
Reach 2	496227	100 - Year	98853	788.64	825.31		827.3	0.003089	13.52	10619.5	580.43	0.43
Reach 2	496227	500 - Year	140071	788.64	830.56		833.31	0.003649	16.3	13981.17	730.96	0.48
Reach 2	496041	2 - Year	2695	785.68	795.19		795.5	0.003633	4.45	605.08	115.33	0.34
Reach 2	496041	5 - Year	20942	785.68	807.03		807.78	0.002358	7.51	3540.68	333.89	0.33
Reach 2	496041	10 - Year	34723	785.68	811.84		812.81	0.002258	8.78	5263.64	380.25	0.34
Reach 2	496041	50 - Year	81278	785.68	822.3		823.91	0.002425	11.95	9937.97	540.56	0.38
Reach 2	496041	100 - Year	98853	785.68	824.94		826.77	0.002539	12.91	11509.47	641.92	0.39
Reach 2	496041	500 - Year	140071	785.68	830.22		832.65	0.002922	15.25	15284.04	789.53	0.43
Reach 2	495754	2 - Year	2695	783.77	794.78		794.92	0.001113	3.07	878.64	119.98	0.2
Reach 2	495754	5 - Year	20936	783.77	806.47		807.14	0.001969	6.9	3703.84	358.04	0.3
Reach 2	495754	10 - Year	34589	783.77	811.34		812.18	0.001872	8.02	5533.69	391.14	0.31
Reach 2	495754	50 - Year	81322	783.77	821.69		823.23	0.002193	11.35	10598.41	716.47	0.36
Reach 2	495754	100 - Year	98953	783.77	824.34		826.04	0.002265	12.18	12632.24	819.23	0.37
Reach 2	495754	500 - Year	140151	783.77	829.91		831.75	0.002184	13.24	17650.94	980.78	0.37
Reach 2	495446	2 - Year	2695	784.15	794.41		794.55	0.00128	2.98	905.8	150.47	0.21
Reach 2	495446	5 - Year	20936	784.15	805.63		806.48	0.002152	7.67	3154.45	254.02	0.32
Reach 2	495446	10 - Year	34589	784.15	810.19		811.48	0.002487	9.63	4460.56	325.1	0.36
Reach 2	495446	50 - Year	81322	784.15	820.21		822.4	0.002909	13.37	8864.27	598.63	0.42
Reach 2	495446	100 - Year	98953	784.15	822.75		825.18	0.003036	14.37	10591.08	759.44	0.43
Reach 2	495446	500 - Year	140151	784.15	827.94		830.84	0.003247	16.32	15066.47	957.97	0.46
Reach 2	495130	2 - Year	2695	784	794.28		794.33	0.000357	1.95	1392.97	168.54	0.12
Reach 2	495130	5 - Year	20936	784	805.3		805.9	0.001261	6.3	3621.99	239.51	0.25
Reach 2	495130	10 - Year	34589	784	809.77		810.76	0.001646	8.26	4777.69	285.63	0.3
Reach 2	495130	50 - Year	81322	784	819.44		821.54	0.00242	12.55	8819.92	576.81	0.38
Reach 2	495130	100 - Year	98953	784	821.9		824.28	0.002589	13.61	10326.83	646.86	0.4
Reach 2	495130	500 - Year	140151	784	826.9		829.87	0.002904	15.72	14013.04	836.68	0.43
Reach 2	494854	2 - Year	2695	783.4	794.18		794.24	0.000354	1.93	1401.44	170.37	0.12
Reach 2	494854	5 - Year	20936	783.4	804.95		805.54	0.001282	6.33	3685.39	262.06	0.25
Reach 2	494854	10 - Year	34589	783.4	809.33		810.3	0.001649	8.22	4934.95	312.01	0.3
Reach 2	494854	50 - Year	81322	783.4	818.77		820.86	0.002475	12.59	8770.45	526.09	0.39
Reach 2	494854	100 - Year	98953	783.4	821.16		823.55	0.002673	13.7	10076.94	579.1	0.4
Reach 2	494854	500 - Year	140151	783.4	826.06		829.05	0.002998	15.82	13341.46	776.24	0.44
Reach 2	494591	2 - Year	2695	782.91	794.1		794.15	0.000297	1.77	1522.2	179.53	0.11
Reach 2	494591	5 - Year	20936	782.91	804.7		805.2	0.001113	5.83	3978.55	290.41	0.24
Reach 2	494591	10 - Year	34589	782.91	809.03		809.85	0.00142	7.55	5335.93	336.97	0.28
Reach 2	494591	50 - Year	81322	782.91	818.42		820.16	0.002087	11.46	9417.94	524.07	0.35
Reach 2	494591	100 - Year	98953	782.91	820.75		822.8	0.002308	12.61	10700.86	599.14	0.38
Reach 2	494591	500 - Year	140151	782.91	825.57		828.2	0.002655	14.74	14215.01	850.77	0.41
Reach 2	494365	2 - Year	2695	781.42	794.06		794.09	0.000177	1.48	1827.89	196.51	0.08
Reach 2	494365	5 - Year	20936	781.42	804.54		804.96	0.000859	5.31	4293.75	281.44	0.21
Reach 2	494365	10 - Year	34589	781.42	808.8		809.53	0.001175	7.06	5624.34	351.66	0.25

Reach 2	494365	50 - Year	81322	781.42	818.02		819.69	0.001891	11.09	9628.54	558.54	0.34
Reach 2	494365	100 - Year	98953	781.42	820.32		822.28	0.002096	12.2	10946.07	591.61	0.36
Reach 2	494365	500 - Year	140151	781.42	825.04		827.61	0.002456	14.34	13976.97	699.58	0.4
Reach 2	494111	2 - Year	2695	781.62	794.02		794.05	0.000141	1.4	1945.9	197.79	0.08
Reach 2	494111	5 - Year	20936	781.62	804.34		804.75	0.000801	5.24	4391.84	278.66	0.2
Reach 2	494111	10 - Year	34589	781.62	808.52		809.24	0.001132	7.04	5703.62	351.86	0.25
Reach 2	494111	50 - Year	81322	781.62	817.51		819.16	0.00187	11.1	9674.4	535.12	0.34
Reach 2	494111	100 - Year	98953	781.62	819.76		821.74	0.002118	12.33	10934.81	588.62	0.36
Reach 2	494111	500 - Year	140151	781.62	824.34		826.98	0.002532	14.59	13994.26	725.94	0.4
Reach 2	493855	2 - Year	2695	781.4	793.94		794	0.000338	1.84	1488.98	210.28	0.11
Reach 2	493855	5 - Year	20936	781.4	804.03		804.5	0.00114	5.77	4235.13	317.23	0.24
Reach 2	493855	10 - Year	34589	781.4	808.14		808.91	0.001461	7.47	5630.1	363.93	0.28
Reach 2	493855	50 - Year	81322	781.4	816.91		818.62	0.002273	11.62	9598.82	557.22	0.37
Reach 2	493855	100 - Year	98953	781.4	819.09		821.14	0.002553	12.88	10867.08	618.39	0.39
Reach 2	493855	500 - Year	140151	781.4	823.67		826.28	0.002891	14.93	14010.29	730.38	0.43
Reach 2	493608	2 - Year	2695	782.25	793.81		793.88	0.000646	2.23	1281.48	224.34	0.15
Reach 2	493608	5 - Year	20936	782.25	803.63		804.17	0.001555	6.25	3956.44	326.85	0.27
Reach 2	493608	10 - Year	34589	782.25	807.64		808.49	0.001895	7.99	5363.11	384.22	0.31
Reach 2	493608	50 - Year	81322	782.25	816.19		818.01	0.002746	12.14	9423.49	601.73	0.4
Reach 2	493608	100 - Year	98953	782.25	818.36		820.47	0.002977	13.26	10784.44	655.13	0.42
Reach 2	493608	500 - Year	140151	782.25	822.95		825.53	0.003226	15.13	14097.61	773.9	0.45
Reach 2	493451	2 - Year	2695	782.07	793.72		793.79	0.000544	2.16	1310.05	210.87	0.14
Reach 2	493451	5 - Year	20936	782.07	803.32		803.91	0.001623	6.52	3836.55	331.3	0.28
Reach 2	493451	10 - Year	34589	782.07	807.28		808.19	0.001957	8.24	5239.6	376.03	0.32
Reach 2	493451	50 - Year	81322	782.07	815.61		817.56	0.002929	12.62	9165.42	592.42	0.41
Reach 2	493451	100 - Year	98953	782.07	817.61		819.96	0.003314	14.03	10472.44	689.47	0.44
Reach 2	493451	500 - Year	140151	782.07	822.08		824.98	0.003632	16.06	13775.62	835.86	0.47
Reach 2	493297	2 - Year	2695	780.48	793.66		793.71	0.000393	1.94	1436.22	208.23	0.12
Reach 2	493297	5 - Year	20936	780.48	803.1		803.67	0.001474	6.32	3835.97	305.86	0.27
Reach 2	493297	10 - Year	34589	780.48	806.96		807.89	0.001916	8.23	5151.45	377.38	0.31
Reach 2	493297	50 - Year	81322	780.48	815.08		817.11	0.002957	12.69	9090.78	627.35	0.41
Reach 2	493297	100 - Year	98953	780.48	817.13		819.47	0.003227	13.86	10434.58	682.68	0.44
Reach 2	493297	500 - Year	140151	780.48	821.2		824.39	0.003902	16.53	13393.54	888.71	0.49
Reach 2	493100	2 - Year	2695	781.06	793.61		793.65	0.000251	1.67	1668.55	226.4	0.1
Reach 2	493100	5 - Year	20936	781.06	802.94		803.39	0.001086	5.61	4350.69	318.69	0.23
Reach 2	493100	10 - Year	34589	781.06	806.75		807.51	0.001486	7.45	5646.91	371.31	0.28
Reach 2	493100	50 - Year	81322	781.06	814.71		816.5	0.002521	11.92	9975.61	755.9	0.38
Reach 2	493100	100 - Year	98953	781.06	816.78		818.79	0.002695	12.89	11609.33	814.72	0.4
Reach 2	493100	500 - Year	140151	781.06	821.1		823.48	0.002908	14.57	15370.21	944.63	0.43
Reach 2	492907	2 - Year	2695	780.92	793.53		793.59	0.000412	1.98	1462.57	239.57	0.12
Reach 2	492907	5 - Year	20936	780.92	802.6		803.13	0.001487	6.26	4019.4	326.29	0.27
Reach 2	492907	10 - Year	34589	780.92	806.27		807.17	0.001978	8.23	5342.83	401.25	0.32
Reach 2	492907	50 - Year	81322	780.92	813.91		815.94	0.003203	12.92	9461.14	743.02	0.43
Reach 2	492907	100 - Year	98953	780.92	816		818.2	0.003319	13.79	11067.12	785.67	0.44
Reach 2	492907	500 - Year	140151	780.92	820.36		822.87	0.003426	15.32	14730.84	893.14	0.46
Reach 2	492681	2 - Year	2695	781.32	793.44		793.5	0.000368	1.92	1513.62	231.77	0.12
Reach 2	492681	5 - Year	20936	781.32	802.21		802.79	0.00159	6.49	3879.38	321.68	0.28
Reach 2	492681	10 - Year	34589	781.32	805.72		806.7	0.002161	8.58	5140.79	398.44	0.33
Reach 2	492681	50 - Year	81322	781.32	812.99		815.18	0.003549	13.46	9126.02	728.77	0.45
Reach 2	492681	100 - Year	98953	781.32	814.98		817.4	0.003742	14.47	10628.43	783.54	0.47
Reach 2	492681	500 - Year	140151	781.32	819.42		822.07	0.00372	15.83	14337.3	883.04	0.48
Reach 2	492435	2 - Year	2695	783.2	793.32		793.39	0.000555	2.07	1396.52	242.92	0.14

Reach 2	492435	5 - Year	20936	783.2	801.77		802.36	0.001867	6.53	3734.03	320.94	0.3
Reach 2	492435	10 - Year	34589	783.2	805.12		806.13	0.002491	8.62	4931.79	397.57	0.35
Reach 2	492435	50 - Year	81322	783.2	812.04		814.27	0.003918	13.37	8902.35	773.49	0.47
Reach 2	492435	100 - Year	98953	783.2	814.09		816.45	0.003952	14.14	10513.8	803.1	0.48
Reach 2	492435	500 - Year	140151	783.2	818.61		821.13	0.003754	15.25	14304.17	877.54	0.48
Reach 2	492202	2 - Year	2695	783.3	793.15		793.23	0.000793	2.29	1229.37	240.18	0.16
Reach 2	492202	5 - Year	20936	783.3	801.24		801.89	0.00223	6.79	3619.95	349.36	0.32
Reach 2	492202	10 - Year	34589	783.3	804.47		805.51	0.00284	8.79	4847.44	414.26	0.37
Reach 2	492202	50 - Year	81322	783.3	811.13		813.31	0.004232	13.34	8784.68	716.73	0.48
Reach 2	492202	100 - Year	98953	783.3	813.14		815.5	0.0043	14.18	10258.77	753.93	0.49
Reach 2	492202	500 - Year	140151	783.3	817.68		820.23	0.004036	15.3	13852.17	825.45	0.49
Reach 2	491911	2 - Year	2695	783.23	792.88		792.98	0.000919	2.59	1091.09	236.58	0.19
Reach 2	491911	5 - Year	20936	783.23	800.43		801.2	0.002481	7.5	3499.42	402.01	0.36
Reach 2	491911	10 - Year	34589	783.23	803.52		804.67	0.002968	9.43	4858.73	474.76	0.41
Reach 2	491911	50 - Year	81322	783.23	810.05		812.13	0.003886	13.52	9105.32	718.27	0.5
Reach 2	491911	100 - Year	98953	783.23	812.08		814.31	0.003872	14.28	10574.26	734.31	0.5
Reach 2	491911	500 - Year	140151	783.23	816.7		819.14	0.003579	15.38	14046.81	771.03	0.5
Reach 2	491701	2 - Year	2695	783.62	792.6		792.73	0.001621	3.19	1087.63	314.46	0.25
Reach 2	491701	5 - Year	20936	783.62	799.94		800.62	0.002969	7.85	3795.24	457.39	0.39
Reach 2	491701	10 - Year	34589	783.62	802.98		803.98	0.003463	9.81	5428.44	596.1	0.44
Reach 2	491701	50 - Year	81322	783.62	809.57		811.21	0.003966	13.31	9722.54	688.46	0.5
Reach 2	491701	100 - Year	98953	783.62	811.59		813.4	0.003979	14.14	11125.93	703.2	0.51
Reach 2	491701	500 - Year	140151	783.62	816.24		818.3	0.003703	15.34	14469.06	734.39	0.5
Reach 2	491525	2 - Year	2695	785.33	792.13		792.33	0.003536	4	862.03	303.65	0.35
Reach 2	491525	5 - Year	20936	785.33	799.28		800.05	0.003859	8.33	3490.23	445.33	0.44
Reach 2	491525	10 - Year	34589	785.33	802.21		803.32	0.004278	10.25	4984.98	589.6	0.48
Reach 2	491525	50 - Year	81322	785.33	808.67		810.45	0.004777	13.95	9393.77	739.67	0.54
Reach 2	491525	100 - Year	98953	785.33	810.76		812.65	0.004594	14.59	10962.96	763.17	0.54
Reach 2	491525	500 - Year	140151	785.33	815.58		817.63	0.004038	15.56	14797.77	842.4	0.52
Reach 2	491307	2 - Year	2695	780.48	791.97		792.04	0.000535	2.14	1288.14	234.16	0.15
Reach 2	491307	5 - Year	20936	780.48	798.67		799.38	0.002325	7.16	3743.01	511	0.35
Reach 2	491307	10 - Year	34589	780.48	801.52		802.54	0.002799	8.95	5383.03	650.39	0.39
Reach 2	491307	50 - Year	81322	780.48	807.98		809.56	0.003221	12.04	10152.95	795.24	0.45
Reach 2	491307	100 - Year	98953	780.48	810.12		811.79	0.00312	12.58	11880.89	819.98	0.45
Reach 2	491307	500 - Year	140151	780.48	815.03		816.85	0.00283	13.53	16101.66	928.24	0.44
Reach 2	491029	2 - Year	2695	783.95	791.63		791.75	0.002967	2.78	970.14	326.76	0.28
Reach 2	491029	5 - Year	20936	783.95	797.93		798.56	0.003617	6.51	3433.06	449.51	0.38
Reach 2	491029	10 - Year	34589	783.95	800.66		801.6	0.003892	8.03	4951.95	667.6	0.41
Reach 2	491029	50 - Year	81322	783.95	807.11		808.55	0.003759	10.53	10213.91	1049.74	0.43
Reach 2	491029	100 - Year	98953	783.95	809.4		810.81	0.003314	10.7	12711.32	1137.89	0.41
Reach 2	491029	500 - Year	140151	783.95	814.69		815.96	0.002416	10.63	19077.09	1321.05	0.37
Reach 2	490719	2 - Year	2695	782.75	788.31	788.16	789.48	0.032169	9.19	327.45	120.21	0.93
Reach 2	490719	5 - Year	20936	782.75	796.4		797.11	0.006289	7.91	3509.87	591.15	0.49
Reach 2	490719	10 - Year	34589	782.75	799.4		800.22	0.004962	8.66	5352.89	643.23	0.46
Reach 2	490719	50 - Year	81322	782.75	805.9		807.25	0.004638	11.38	10080.89	835.22	0.48
Reach 2	490719	100 - Year	98953	782.75	808.27		809.68	0.00418	11.75	12151.32	922.11	0.46
Reach 2	490719	500 - Year	140151	782.75	813.68		815.07	0.003432	12.49	18777.57	1401.3	0.44
Reach 2	490408	2 - Year	2695	775.25	783.9		784.65	0.008982	7.03	405.23	102.76	0.57
Reach 2	490408	5 - Year	20936	775.25	793.21		794.85	0.00853	11.07	2392.7	425.87	0.63
Reach 2	490408	10 - Year	34589	775.25	797.21		798.64	0.005357	11.08	4873.64	748.33	0.53
Reach 2	490408	50 - Year	81322	775.25	804.72		806.09	0.003463	11.95	10686.94	802.31	0.46
Reach 2	490408	100 - Year	98953	775.25	807.22		808.63	0.003149	12.28	12732.94	843.17	0.45
Reach 2	490408	500 - Year	140151	775.25	812.8		814.21	0.002585	12.82	19516.8	1475.24	0.42

Reach 2	490110	2 - Year	2695	772.75	783.32		783.53	0.001636	3.75	750.51	143.48	0.26
Reach 2	490110	5 - Year	20936	772.75	791.17		792.83	0.005158	11.11	2494.74	326	0.52
Reach 2	490110	10 - Year	34589	772.75	794.62		796.84	0.005609	13.42	3888.88	548.7	0.57
Reach 2	490110	50 - Year	81322	772.75	803.53		805	0.003084	13.09	11904.63	1013.1	0.45
Reach 2	490110	100 - Year	98953	772.75	806.41		807.67	0.002468	12.55	14842.16	1056.5	0.41
Reach 2	490110	500 - Year	140151	772.75	812.2		813.39	0.002021	12.8	22336.54	1687.81	0.38
Reach 2	489866	2 - Year	2695	771.58	783.32		783.38	0.000189	2.01	1457.55	217.39	0.11
Reach 2	489866	5 - Year	20936	771.58	791.24		792.01	0.001191	7.54	3840.73	409.36	0.32
Reach 2	489866	10 - Year	34589	771.58	794.6		795.84	0.001606	9.84	5831.17	796.53	0.38
Reach 2	489866	50 - Year	81322	771.58	803.21		804.37	0.001317	11.21	15405.25	1236.22	0.36
Reach 2	489866	100 - Year	98953	771.58	806.12		807.14	0.001123	11.02	19008.17	1249.07	0.34
Reach 2	489866	500 - Year	140151	771.58	812.01		812.93	0.000909	11.08	27750.58	1903.87	0.32
Reach 2	489610	2 - Year	2695	775.56	783.03		783.25	0.001876	3.93	803.46	196.97	0.32
Reach 2	489610	5 - Year	20936	775.56	790.39		791.44	0.003427	9.01	3066.47	416.48	0.5
Reach 2	489610	10 - Year	34589	775.56	793.85		795.18	0.003121	10.45	4983.01	707.03	0.5
Reach 2	489610	50 - Year	81322	775.56	802.91		803.81	0.001475	10.09	16788.79	1572.76	0.37
Reach 2	489610	100 - Year	98953	775.56	805.93		806.65	0.001107	9.5	21594.19	1612.55	0.33
Reach 2	489610	500 - Year	140151	775.56	811.95		812.52	0.000747	8.98	33598.77	2471.49	0.28
Reach 2	489319	2 - Year	2695	776.08	780.72	780.72	781.65	0.041071	8.33	361.95	193.84	1.07
Reach 2	489319	5 - Year	20936	776.08	789.18	785.86	790.12	0.005456	8.81	3105.61	456.17	0.51
Reach 2	489319	10 - Year	34589	776.08	792.93	788.31	794.01	0.004228	9.72	5063.6	625.47	0.47
Reach 2	489319	50 - Year	81322	776.08	802.47	793.9	803.24	0.001926	9.44	15574.7	1373.1	0.35
Reach 2	489319	100 - Year	98953	776.08	805.59	795.93	806.23	0.001413	8.82	19897.73	1400.31	0.31
Reach 2	489319	500 - Year	140151	776.08	811.71	800.34	812.23	0.000958	8.37	31828.88	2991.47	0.26
Reach 2	488901	2 - Year	2695	771.93	779.91	775.26	780.02	0.001024	2.77	1081.72	220.2	0.2
Reach 2	488901	5 - Year	20936	771.93	788.26	782.27	788.79	0.001913	6.55	4350.79	509.22	0.32
Reach 2	488901	10 - Year	34589	771.93	792.17	784	792.83	0.001821	7.6	6487.95	592.86	0.32
Reach 2	488901	50 - Year	81322	771.93	801.8	790.19	802.65	0.001518	9.34	14468.27	1020.97	0.32
Reach 2	488901	100 - Year	98953	771.93	804.95	791.87	805.74	0.001284	9.26	17783.78	1095.88	0.3
Reach 2	488901	500 - Year	140151	771.93	810.71	795.98	811.72	0.00141	10.91	28538.41	2917.09	0.32
Reach 2	488514	2 - Year	2695	763.72	779.84	768.77	779.88	0.000125	1.56	1810.34	189.12	0.08
Reach 2	488514	5 - Year	20936	763.72	787.62	776.74	788.22	0.001141	6.57	4135.09	432.85	0.26
Reach 2	488514	10 - Year	34589	763.72	791.28	780.37	792.17	0.001457	8.33	5881.13	517.72	0.3
Reach 2	488514	50 - Year	81322	763.72	800.61	790	801.94	0.001645	11.07	11178.13	615.28	0.34
Reach 2	488514	100 - Year	98953	763.72	803.36	792.19	804.96	0.001818	12.29	13032.22	727.48	0.36
Reach 2	488514	500 - Year	140151	763.72	808.79	796.08	810.82	0.002023	14.26	17725.54	2177.77	0.39
Reach 2	488340	2 - Year	2695	762.65	779.83	766.97	779.85	0.000058	1.1	2483.6	217.49	0.05
Reach 2	488340	5 - Year	20936	762.65	787.58	774.25	787.96	0.000646	5.05	4618.77	340.34	0.2
Reach 2	488340	10 - Year	34589	762.65	791.19	777.28	791.86	0.000947	6.82	5967.27	404.69	0.25
Reach 2	488340	50 - Year	81322	762.65	800.25	785.37	801.66	0.001423	10.36	10308.24	556.25	0.32
Reach 2	488340	100 - Year	98953	762.65	802.99	787.87	804.65	0.00155	11.41	11961.19	671.12	0.34
Reach 2	488340	500 - Year	140151	762.65	808.46	793.07	810.5	0.001692	13.11	20787.37	2650.21	0.36
Reach 2	488168	2 - Year	2695	767.67	779.79	771.55	779.83	0.000197	1.63	1704.94	227.35	0.1
Reach 2	488168	5 - Year	20936	767.67	787.14	778.33	787.74	0.001388	6.45	3720.07	321.53	0.28
Reach 2	488168	10 - Year	34589	767.67	790.54	781.42	791.54	0.001859	8.46	4905.51	380.27	0.34
Reach 2	488168	50 - Year	81322	767.67	799.36	788.95	801.21	0.002328	12.12	9138.18	650.14	0.4
Reach 2	488168	100 - Year	98953	767.67	802	791.24	804.17	0.002483	13.28	10814.94	973.15	0.42
Reach 2	488168	500 - Year	140151	767.67	808.17	795.93	810.15	0.002051	13.61	20780.37	2465.1	0.39
Reach 2	487922	2 - Year	2698	773.66	779.21	778.39	779.58	0.011301	4.89	571.45	261.17	0.54
Reach 2	487922	5 - Year	20962	773.66	786.1	782.99	787.03	0.005725	8.35	2924.17	448.73	0.48
Reach 2	487922	10 - Year	34589	773.66	789.67	785.12	790.8	0.004735	9.4	4463.48	595.25	0.46
Reach 2	487922	50 - Year	81452	773.66	799.27	790.6	800.17	0.00221	9.29	12350.11	893.86	0.34

Reach 2	487922	100 - Year	99125	773.66	802.04	792.35	802.99	0.002051	9.67	15084.88	1076.41	0.34
Reach 2	487922	500 - Year	140342	773.66	808.32	795.69	809.13	0.001419	9.32	25022.4	2167.77	0.29
Reach 2	487555	2 - Year	2698	770.39	776.41	774.43	776.71	0.005629	4.46	610.32	188.94	0.41
Reach 2	487555	5 - Year	20962	770.39	783.96		785.02	0.005257	9.02	2846.25	356.94	0.47
Reach 2	487555	10 - Year	34589	770.39	787.93		789.16	0.004328	10	4461.54	447.41	0.45
Reach 2	487555	50 - Year	81452	770.39	797.35		798.98	0.003481	12.36	9688.36	706.54	0.44
Reach 2	487555	100 - Year	99125	770.39	800.14		801.85	0.003295	12.91	11836.81	834.28	0.43
Reach 2	487555	500 - Year	140342	770.39	806.02		808.04	0.003245	14.59	18380.21	1757.74	0.45
Reach 2	487237	2 - Year	2698	767.24	771.28	771.28	772.66	0.037829	9.44	285.75	103.42	1
Reach 2	487237	5 - Year	20962	767.24	781.66		783.12	0.006469	10.39	2486.8	326.51	0.53
Reach 2	487237	10 - Year	34589	767.24	786.21		787.71	0.004716	10.99	4122.29	391.9	0.48
Reach 2	487237	50 - Year	81452	767.24	795.88		797.81	0.00375	13.31	9174.14	668.91	0.46
Reach 2	487237	100 - Year	99125	767.24	798.79		800.76	0.003486	13.77	11210.59	738.7	0.45
Reach 2	487237	500 - Year	140342	767.24	805.06		807.05	0.003106	14.8	18297.71	1444.38	0.44
Reach 2	486887	2 - Year	2698	758	770.24		770.3	0.00036	2.06	1322.98	159.73	0.12
Reach 2	486887	5 - Year	20962	758	781.41		782.01	0.001267	6.53	3951.19	316.05	0.25
Reach 2	486887	10 - Year	34589	758	785.72		786.64	0.001605	8.34	5444.5	378.94	0.29
Reach 2	486887	50 - Year	81452	758	794.88		796.77	0.002432	12.66	10471.06	807.77	0.38
Reach 2	486887	100 - Year	99125	758	797.9		799.77	0.002299	13.02	13043.57	907.75	0.38
Reach 2	486887	500 - Year	140342	758	804.53		806.14	0.001836	12.99	19800.66	1110.04	0.35
Reach 2	486550	2 - Year	2698	749.62	770.25		770.26	0.000032	1.02	2751.15	183.98	0.04
Reach 2	486550	5 - Year	20962	749.62	781.4		781.73	0.000351	4.68	5121.62	252.79	0.15
Reach 2	486550	10 - Year	34589	749.62	785.62		786.25	0.000584	6.6	6340.56	327.16	0.2
Reach 2	486550	50 - Year	81452	749.62	794.42		796.15	0.001271	11.39	10115.78	534.47	0.31
Reach 2	486550	100 - Year	99125	749.62	797.04		799.14	0.001455	12.68	11617.85	621.89	0.33
Reach 2	486550	500 - Year	140342	749.62	802.81		805.45	0.001672	14.74	15925.67	878.58	0.37
Reach 2	486200	2 - Year	2698	760	770.06		770.22	0.001225	3.22	877.09	146.34	0.21
Reach 2	486200	5 - Year	20962	760	780.24		781.37	0.003033	9.1	2902.59	279.13	0.38
Reach 2	486200	10 - Year	34589	760	784.04		785.73	0.003713	11.48	4184.86	389.52	0.44
Reach 2	486200	50 - Year	81452	760	792.97		795.37	0.003955	14.97	8493.73	551.96	0.48
Reach 2	486200	100 - Year	99125	760	795.91		798.34	0.003711	15.43	10164.86	585.08	0.47
Reach 2	486200	500 - Year	140342	760	801.98		804.64	0.003498	16.76	14390.8	794.9	0.47
Reach 2	485925	2 - Year	2698	758.07	769.91		770.01	0.00045	2.49	1139.11	155.37	0.14
Reach 2	485925	5 - Year	20962	758.07	779.77		780.67	0.001827	8.16	3379.48	325.4	0.33
Reach 2	485925	10 - Year	34589	758.07	783.44		784.83	0.002389	10.5	4766.88	435.99	0.39
Reach 2	485925	50 - Year	81452	758.07	792.17		794.39	0.002918	14.41	9386.48	648.01	0.45
Reach 2	485925	100 - Year	99125	758.07	795.16		797.41	0.002769	14.91	11437.07	719.63	0.45
Reach 2	485925	500 - Year	140342	758.07	801.55		803.71	0.002359	15.41	16662.13	894.66	0.42
Reach 2	485647	2 - Year	2698	757.85	769.83		769.89	0.000325	2.13	1425.37	190.47	0.12
Reach 2	485647	5 - Year	20962	757.85	779.46		780.16	0.001479	7.32	3913.07	386.95	0.3
Reach 2	485647	10 - Year	34589	757.85	783.12		784.15	0.001859	9.24	5468.87	459.45	0.34
Reach 2	485647	50 - Year	81452	757.85	791.77		793.55	0.002398	13.03	10275.94	671.15	0.41
Reach 2	485647	100 - Year	99125	757.85	794.77		796.62	0.002309	13.6	12424.22	759.92	0.41
Reach 2	485647	500 - Year	140342	757.85	801.2		803.03	0.002016	14.25	17855.09	938.11	0.39
Reach 2	485323	2 - Year	2698	757.09	769.68		769.76	0.000522	2.3	1180.63	169.45	0.15
Reach 2	485323	5 - Year	20962	757.09	778.96		779.65	0.001667	7.05	3733.21	379.94	0.3
Reach 2	485323	10 - Year	34589	757.09	782.47		783.52	0.002076	8.94	5207.75	458.98	0.35
Reach 2	485323	50 - Year	81452	757.09	790.99		792.76	0.002507	12.4	9825.53	671.1	0.41
Reach 2	485323	100 - Year	99125	757.09	794		795.87	0.002405	12.98	11932.07	736.12	0.41
Reach 2	485323	500 - Year	140342	757.09	800.37		802.35	0.002184	13.98	17291.86	958.23	0.4
Reach 2	484952	2 - Year	2698	758.6	769.31		769.46	0.001295	3.16	888.15	190.28	0.23
Reach 2	484952	5 - Year	20962	758.6	778.48		778.99	0.001698	6.69	4655.4	535.86	0.3

Reach 2	484952	10 - Year	34589	758.6	782.07		782.72	0.001766	7.85	6623.25	561.34	0.32
Reach 2	484952	50 - Year	81452	758.6	790.68		791.77	0.001985	10.7	11804.92	662.63	0.36
Reach 2	484952	100 - Year	99125	758.6	793.68		794.9	0.001989	11.48	13950.59	769.8	0.37
Reach 2	484952	500 - Year	140342	758.6	800.11		801.46	0.001817	12.47	19499.79	978.13	0.36
Reach 2	484649	2 - Year	2698	761.83	768.47		768.78	0.004557	4.44	610.71	172.51	0.4
Reach 2	484649	5 - Year	20962	761.83	777.73		778.37	0.002392	7.29	3905.19	443.68	0.36
Reach 2	484649	10 - Year	34589	761.83	781.19		782.07	0.002515	8.74	5530.61	496.06	0.38
Reach 2	484649	50 - Year	81452	761.83	789.64		791.06	0.002598	11.69	10270.84	629.44	0.41
Reach 2	484649	100 - Year	99125	761.83	792.72		794.22	0.002408	12.17	12313.56	694.85	0.4
Reach 2	484649	500 - Year	140342	761.83	799.24		800.85	0.002099	13.05	17643.71	925.9	0.39
Reach 2	484358	2 - Year	2698	755.26	768.18		768.31	0.000689	2.92	974.06	145.29	0.17
Reach 2	484358	5 - Year	20962	755.26	776.92		777.71	0.002243	8.28	3832.83	430.15	0.35
Reach 2	484358	10 - Year	34589	755.26	780.25		781.33	0.002655	10.1	5382.53	491.02	0.39
Reach 2	484358	50 - Year	81452	755.26	788.67		790.28	0.002917	13.25	9971.8	598.16	0.43
Reach 2	484358	100 - Year	99125	755.26	791.86		793.51	0.002702	13.65	11941.24	643.69	0.42
Reach 2	484358	500 - Year	140342	755.26	798.34		800.19	0.002578	15.05	16940.65	905.29	0.42
Reach 2	484072	2 - Year	2698	761.9	767.7		767.93	0.003286	3.85	701.01	178.22	0.34
Reach 2	484072	5 - Year	20962	761.9	776.09		776.95	0.003121	7.98	3268.64	396.47	0.4
Reach 2	484072	10 - Year	34589	761.9	779.22		780.45	0.00346	9.78	4574.6	439.61	0.44
Reach 2	484072	50 - Year	81452	761.9	787.22		789.31	0.003676	13.34	8626.49	594.64	0.49
Reach 2	484072	100 - Year	99125	761.9	790.51		792.62	0.003241	13.68	10760.85	706.7	0.47
Reach 2	484072	500 - Year	140342	761.9	797.56		799.48	0.002354	13.63	16703.08	987	0.41
Reach 2	483779	2 - Year	2698	760	766.3		766.66	0.005853	4.81	562.27	172.18	0.45
Reach 2	483779	5 - Year	20962	760	775.33		776.06	0.002852	7.79	3650.96	434.89	0.39
Reach 2	483779	10 - Year	34589	760	778.41		779.46	0.003171	9.5	5051.42	471.92	0.42
Reach 2	483779	50 - Year	81452	760	786.5		788.22	0.003287	12.77	9341.54	590.56	0.46
Reach 2	483779	100 - Year	99125	760	789.93		791.65	0.002853	13.01	11499.82	666.18	0.44
Reach 2	483779	500 - Year	140342	760	797.07		798.78	0.002231	13.44	17248.01	977.33	0.4
Reach 2	483392	2 - Year	2698	753.6	764.58		764.91	0.003547	4.64	581.53	101.2	0.34
Reach 2	483392	5 - Year	20962	753.6	774.29		774.92	0.002925	7	3804.38	471.03	0.35
Reach 2	483392	10 - Year	34589	753.6	777.3		778.18	0.003226	8.52	5289.99	518.93	0.39
Reach 2	483392	50 - Year	81452	753.6	785.61		786.91	0.00292	10.85	10248.39	644.73	0.39
Reach 2	483392	100 - Year	99125	753.6	789.26		790.51	0.002385	10.8	12642.73	681.85	0.37
Reach 2	483392	500 - Year	140342	753.6	796.59		797.86	0.001886	11.26	18273.68	890.27	0.34
Reach 2	483114	2 - Year	2698	754.68	762.79		763.41	0.008784	6.32	426.86	92.37	0.52
Reach 2	483114	5 - Year	20962	754.68	772.43		773.71	0.006226	9.8	2732.84	444.37	0.51
Reach 2	483114	10 - Year	34589	754.68	775.36		776.91	0.006114	11.3	4150.51	520.07	0.52
Reach 2	483114	50 - Year	81452	754.68	784.41		785.97	0.003708	12.19	9338.49	627.83	0.44
Reach 2	483114	100 - Year	99125	754.68	788.42		789.79	0.002734	11.62	11973.28	673.39	0.39
Reach 2	483114	500 - Year	140342	754.68	795.96		797.3	0.002097	11.96	17627	869.51	0.36
Reach 2	482794	2 - Year	2698	750.13	762.23		762.42	0.001286	3.51	768.63	105.48	0.23
Reach 2	482794	5 - Year	20962	750.13	769.45	765.84	771.56	0.006807	11.93	2100.98	420.09	0.58
Reach 2	482794	10 - Year	34589	750.13	772.69		774.91	0.006212	13.21	3710.54	514.87	0.58
Reach 2	482794	50 - Year	81452	750.13	783.42		784.98	0.002834	12.5	9822.52	660.06	0.42
Reach 2	482794	100 - Year	99125	750.13	787.69		789.05	0.002137	11.97	12788.3	735.68	0.38
Reach 2	482794	500 - Year	140342	750.13	795.49		796.72	0.001571	11.91	19199.46	924.73	0.34
Reach 2	482386	2 - Year	2698	748.4	762.16	753.85	762.21	0.000197	1.72	1635.88	192.08	0.1
Reach 2	482386	5 - Year	20962	748.4	769.04	760.7	769.88	0.001844	7.51	3084.62	535.47	0.32
Reach 2	482386	10 - Year	34589	748.4	772.36	763.89	773.24	0.001832	8.45	6119.09	675.69	0.33
Reach 2	482386	50 - Year	81452	748.4	783.14	772.68	784.01	0.001272	9.4	14103.49	892.89	0.3
Reach 2	482386	100 - Year	99125	748.4	787.5	774.14	788.28	0.001014	9.17	18297.87	1026.65	0.27
Reach 2	482386	500 - Year	140342	748.4	795.3	776.9	796.11	0.000886	9.8	27668.09	1549.75	0.26

Reach 2	482020	2 - Year	2698	749.75	761.87	757.28	762.02	0.002545	3.4	996.37	507.9	0.26
Reach 2	482020	5 - Year	20962	749.75	768.07	764.37	768.85	0.005217	8.23	3190.81	754.4	0.43
Reach 2	482020	10 - Year	34589	749.75	772.18	766.41	772.47	0.001726	5.81	8608.88	881.69	0.26
Reach 2	482020	50 - Year	81452	749.75	783.18	771.01	783.5	0.000915	6.05	18950	1073.99	0.21
Reach 2	482020	100 - Year	99125	749.75	787.54	771.01	787.86	0.000806	6.29	24322.03	1380.8	0.2
Reach 2	482020	500 - Year	140342	749.75	795.43	772.49	795.72	0.000639	6.52	37471.15	2021.44	0.18
Reach 2	481619	2 - Year	2698	750.22	759.97	757.91	760.38	0.008396	5.1	528.88	319.39	0.46
Reach 2	481619	5 - Year	20962	750.22	767.84	763.33	767.98	0.001245	3.9	7577.61	1071.91	0.21
Reach 2	481619	10 - Year	34589	750.22	771.98	764.54	772.12	0.000774	3.81	12058.15	1093.39	0.17
Reach 2	481619	50 - Year	81452	750.22	783.1	767.02	783.29	0.000503	4.45	25001.43	1357.54	0.15
Reach 2	481619	100 - Year	99125	750.22	787.48	767.79	787.66	0.000468	4.76	31644.61	1776.08	0.15
Reach 2	481619	500 - Year	140342	750.22	795.39	769.46	795.56	0.00035	4.81	48364.14	2484.05	0.14
Reach 2	481290	2 - Year	2698	748.62	758.79		759.01	0.002267	3.81	766.62	220.61	0.26
Reach 2	481290	5 - Year	20962	748.62	767.7		767.81	0.000912	3.54	8906.78	1180.91	0.18
Reach 2	481290	10 - Year	34589	748.62	771.91		772.02	0.000606	3.52	13916.08	1200.66	0.15
Reach 2	481290	50 - Year	81452	748.62	783.06		783.21	0.000429	4.2	27868.73	1436.17	0.14
Reach 2	481290	100 - Year	99125	748.62	787.43		787.59	0.000416	4.57	34605.71	1843.09	0.14
Reach 2	481290	500 - Year	140342	748.62	795.36		795.51	0.000319	4.64	51671.57	2534.04	0.13
Reach 2	481070	2 - Year	2698	748.22	757.56		758.07	0.00814	5.73	471.02	99.57	0.46
Reach 2	481070	5 - Year	20962	748.22	767.51		767.63	0.000872	3.61	8602.02	1045.84	0.18
Reach 2	481070	10 - Year	34589	748.22	771.76		771.89	0.000632	3.73	13125.45	1080.55	0.16
Reach 2	481070	50 - Year	81452	748.22	782.94		783.11	0.000497	4.64	26076.59	1376.55	0.15
Reach 2	481070	100 - Year	99125	748.22	787.3		787.48	0.000526	5.26	32945.14	1982.88	0.16
Reach 2	481070	500 - Year	140342	748.22	795.28		795.44	0.000351	4.98	50732.66	2524.55	0.14
Reach 2	480785	2 - Year	2698	745.08	756.76	752.21	756.9	0.001889	3.05	907.7	234.1	0.23
Reach 2	480785	5 - Year	20962	745.08	767.26	759.85	767.4	0.000756	3.95	8422.62	1021.19	0.17
Reach 2	480785	10 - Year	34589	745.08	771.58	761.82	771.72	0.000583	4.06	12886.31	1045.89	0.16
Reach 2	480785	50 - Year	81452	745.08	782.79	766.23	782.98	0.000442	4.74	25158.56	1186.58	0.15
Reach 2	480785	100 - Year	99125	745.08	787.17	767.1	787.36	0.000411	4.99	32054.53	1981.38	0.15
Reach 2	480785	500 - Year	140342	745.08	795.16	768.93	795.34	0.000341	5.2	49643.25	2453.16	0.14
Reach 2	480576	2 - Year	2698	744.99	756.44	751.36	756.57	0.001359	2.9	929.84	185.17	0.23
Reach 2	480576	5 - Year	20962	744.99	766.77	759.2	767.17	0.001292	5.09	4224.42	392.26	0.26
Reach 2	480576	10 - Year	34589	744.99	770.93	761.55	771.5	0.001267	6.14	5935.25	429.88	0.27
Reach 2	480576	50 - Year	81452	744.99	781.93	767.02	782.78	0.001031	7.81	13490.5	1235.16	0.26
Reach 2	480576	100 - Year	99125	744.99	786.48	768.72	787.19	0.000763	7.45	18802.3	1923.64	0.23
Reach 2	480576	500 - Year	140342	744.99	794.8	772.29	795.23	0.000427	6.51	40288.64	2690.01	0.18
Reach 2	480508	2 - Year	2698	747.03	756.41	751.58	756.48	0.00077	2.19	1230.52	241.09	0.17
Reach 2	480508	5 - Year	20962	747.03	766.7	757.51	767.09	0.001042	4.98	4311.92	351.57	0.24
Reach 2	480508	10 - Year	34589	747.03	770.83	760.14	771.42	0.001154	6.23	5770.06	355.51	0.26
Reach 2	480508	50 - Year	81452	747.03	781.46	766.21	782.67	0.001301	9.01	9919.91	464.96	0.3
Reach 2	480508	100 - Year	99125	747.03	785.82	768.04	787.08	0.001147	9.29	12726.88	962.52	0.28
Reach 2	480508	500 - Year	140342	747.03	794.45	771.71	795.17	0.000617	7.96	31531.71	2837.78	0.22
Reach 2	480480		Bridge									
Reach 2	480451	2 - Year	2698	747.03	756.27		756.35	0.000839	2.25	1197.92	240.52	0.18
Reach 2	480451	5 - Year	20962	747.03	766.37		766.78	0.001132	5.11	4196.21	351.32	0.24
Reach 2	480451	10 - Year	34589	747.03	770.39		771.01	0.001256	6.39	5633.56	364.49	0.27
Reach 2	480451	50 - Year	81452	747.03	780.48		781.76	0.001448	9.29	10419.41	869.99	0.31
Reach 2	480451	100 - Year	99125	747.03	784.03		785.3	0.001295	9.51	14547.98	1708.97	0.3
Reach 2	480451	500 - Year	140342	747.03	790.17		791.05	0.000872	8.8	27035.16	2312.48	0.25
Reach 2	480413	2 - Year	2698	747.57	756.12		756.28	0.00182	3.23	836.14	177.33	0.26
Reach 2	480413	5 - Year	20962	747.57	766.06		766.66	0.001876	6.3	3500.64	336.9	0.31
Reach 2	480413	10 - Year	34589	747.57	770.01		770.87	0.001926	7.66	4893.38	365.88	0.33

Reach 2	480413	50 - Year	81452	747.57	780.12		781.62	0.001877	10.39	9742.76	733.03	0.35
Reach 2	480413	100 - Year	99125	747.57	783.63		785.09	0.001645	10.56	12943.75	1193.98	0.34
Reach 2	480413	500 - Year	140342	747.57	789.94		790.97	0.001092	9.77	25007.21	2160.34	0.29
Reach 2	480278	2 - Year	2698	748.29	755.69		755.96	0.002955	4.19	643.8	153.29	0.36
Reach 2	480278	5 - Year	20962	748.29	765.54		766.36	0.002263	7.57	3184.8	348.61	0.38
Reach 2	480278	10 - Year	34589	748.29	769.48		770.58	0.002188	8.93	4608.2	374.3	0.39
Reach 2	480278	50 - Year	81452	748.29	779.36		781.31	0.002205	12.28	8904.66	597.03	0.42
Reach 2	480278	100 - Year	99125	748.29	782.77		784.79	0.00203	12.77	11643.45	1261.58	0.41
Reach 2	480278	500 - Year	140342	748.29	789.38		790.77	0.001304	11.7	22151.5	1777.51	0.34
Reach 2	480092	2 - Year	2697	746.38	755.27		755.47	0.002159	3.63	742.63	173.11	0.31
Reach 2	480092	5 - Year	20959	746.38	765.33		765.95	0.001584	6.57	3608.13	353.42	0.32
Reach 2	480092	10 - Year	34504	746.38	769.29		770.16	0.001629	7.94	5054.78	378.62	0.34
Reach 2	480092	50 - Year	81492	746.38	779.19		780.86	0.001784	11.26	9191.99	586.36	0.38
Reach 2	480092	100 - Year	99183	746.38	782.45		784.42	0.001832	12.31	12128.36	1223.18	0.39
Reach 2	480092	500 - Year	140401	746.38	789.11		790.53	0.001222	11.48	21200.23	1539.73	0.33
Reach 2	479907	2 - Year	2697	743.09	754.84		755.1	0.001869	4.05	666.23	116.72	0.3
Reach 2	479907	5 - Year	20959	743.09	764.3		765.51	0.002951	9.49	2894.84	331.4	0.44
Reach 2	479907	10 - Year	34504	743.09	768.09		769.69	0.003079	11.31	4234.62	374.52	0.47
Reach 2	479907	50 - Year	81492	743.09	777.95		780.38	0.002951	14.76	8288.3	504.42	0.49
Reach 2	479907	100 - Year	99183	743.09	780.99		783.9	0.003128	16.27	10224.45	936.39	0.51
Reach 2	479907	500 - Year	140401	743.09	787		790.06	0.002918	17.67	17240.2	1491.39	0.51
Reach 2	479687	2 - Year	2697	743.8	754.48		754.7	0.001638	3.78	713.1	125.69	0.28
Reach 2	479687	5 - Year	20959	743.8	763.74		764.84	0.002732	8.91	2949.19	327.37	0.42
Reach 2	479687	10 - Year	34504	743.8	767.45		768.99	0.002962	10.85	4253.43	388.59	0.45
Reach 2	479687	50 - Year	81492	743.8	777.65		779.63	0.002431	13.32	9729.71	655.36	0.44
Reach 2	479687	100 - Year	99183	743.8	780.99		783.04	0.002264	13.86	12106.59	781.84	0.44
Reach 2	479687	500 - Year	140401	743.8	786.66		789.29	0.002443	16.1	17433.97	1354.28	0.47
Reach 2	479515	2 - Year	2697	742.71	754.41		754.5	0.000619	2.32	1163.18	207.16	0.17
Reach 2	479515	5 - Year	20959	742.71	763.83		764.36	0.001244	5.86	3719.99	324.4	0.28
Reach 2	479515	10 - Year	34504	742.71	767.6		768.44	0.001427	7.41	5015.92	366.21	0.32
Reach 2	479515	50 - Year	81492	742.71	777.6		779.18	0.001546	10.48	9466.9	571.87	0.35
Reach 2	479515	100 - Year	99183	742.71	780.92		782.62	0.001468	11.02	11532.48	677.09	0.35
Reach 2	479515	500 - Year	140401	742.71	786.77		788.78	0.001452	12.32	16487.54	1135.03	0.36
Reach 2	479342	2 - Year	2697	746.93	754.07		754.3	0.00235	3.8	710.53	165.29	0.32
Reach 2	479342	5 - Year	20959	746.93	763.27		764.05	0.002289	7.22	3215.91	375.23	0.38
Reach 2	479342	10 - Year	34504	746.93	767.07		768.11	0.002172	8.51	4682.61	395.58	0.38
Reach 2	479342	50 - Year	81492	746.93	777.16		778.87	0.001926	11.23	9119.1	506.97	0.39
Reach 2	479342	100 - Year	99183	746.93	780.33		782.3	0.001918	12.12	10931.41	701.52	0.4
Reach 2	479342	500 - Year	140401	746.93	786.23		788.48	0.001811	13.35	16042.92	1145.32	0.4
Reach 2	479197	2 - Year	2697	743.53	754.09	747.46	754.15	0.000299	2.03	1435.38	238.98	0.13
Reach 2	479197	5 - Year	20959	743.53	763.19	754.45	763.77	0.001101	6.46	3738.01	267.1	0.28
Reach 2	479197	10 - Year	34504	743.53	766.86	757.2	767.84	0.001471	8.5	4739.36	278.44	0.33
Reach 2	479197	50 - Year	81492	743.53	776.24	764.23	778.51	0.002188	13.29	7800.55	544.88	0.43
Reach 2	479197	100 - Year	99183	743.53	779.2	766.43	781.92	0.002356	14.69	9836.37	681.12	0.45
Reach 2	479197	500 - Year	140401	743.53	785.31	771.3	788.14	0.002166	15.76	15526.79	1248.36	0.44
Reach 2	479165		Bridge									
Reach 2	479132	2 - Year	2697	743.53	754.06		754.13	0.000303	2.04	1428.73	238.89	0.13
Reach 2	479132	5 - Year	20959	743.53	763.05		763.63	0.001135	6.52	3700.15	266.66	0.28
Reach 2	479132	10 - Year	34504	743.53	766.65		767.65	0.001525	8.6	4681.56	277.8	0.33
Reach 2	479132	50 - Year	81492	743.53	775.03		777.55	0.002512	13.86	7106.48	547.35	0.45
Reach 2	479132	100 - Year	99183	743.53	776.1		780.12	0.003703	17.24	7467.51	566.86	0.55
Reach 2	479132	500 - Year	140401	743.53	779.24	771.16	785.05	0.004933	21.26	9401.91	656.9	0.65

Reach 2	479046	2 - Year	2697	742.85	754.05		754.1	0.000187	1.68	1670.17	239.42	0.1
Reach 2	479046	5 - Year	20959	742.85	763.03		763.49	0.000825	5.7	4440.9	424.06	0.24
Reach 2	479046	10 - Year	34504	742.85	766.7		767.39	0.001022	7.2	6145.64	487.14	0.28
Reach 2	479046	50 - Year	81492	742.85	775.49		776.77	0.001322	10.34	10826.47	582.55	0.33
Reach 2	479046	100 - Year	99183	742.85	777.07		778.73	0.001636	11.9	11803.86	649.43	0.37
Reach 2	479046	500 - Year	140401	742.85	780.62		783.11	0.002182	14.76	14398.72	825.9	0.44
Reach 2	478906	2 - Year	2697	741.66	754.03		754.07	0.000173	1.65	1657.53	209.47	0.1
Reach 2	478906	5 - Year	20959	741.66	762.86		763.36	0.000873	5.89	4262.05	444.18	0.25
Reach 2	478906	10 - Year	34504	741.66	766.51		767.24	0.001061	7.36	5951	474.48	0.28
Reach 2	478906	50 - Year	81492	741.66	775.11		776.55	0.001467	10.86	10262.35	586.72	0.35
Reach 2	478906	100 - Year	99183	741.66	776.61		778.47	0.001801	12.43	11193.86	644.26	0.39
Reach 2	478906	500 - Year	140401	741.66	780.17		782.78	0.002275	15	13618.32	759.87	0.45
Reach 2	478699	2 - Year	2697	742.75	753.9		754	0.000905	2.91	1174.09	239.53	0.19
Reach 2	478699	5 - Year	20959	742.75	762.63		763.11	0.001826	7.11	4290.96	457.19	0.32
Reach 2	478699	10 - Year	34504	742.75	766.31		766.93	0.0018	8.13	6010.55	476.43	0.33
Reach 2	478699	50 - Year	81492	742.75	774.97		776.1	0.002257	11.64	10901.98	696.74	0.39
Reach 2	478699	100 - Year	99183	742.75	776.53		777.89	0.002557	12.85	12009.8	720.67	0.42
Reach 2	478699	500 - Year	140401	742.75	780.21		782.02	0.002952	14.93	14797.52	818.54	0.46
Reach 2	478501	2 - Year	2697	743.24	752.85	751.41	753.53	0.009269	6.85	492.45	293.24	0.57
Reach 2	478501	5 - Year	20959	743.24	762.11		762.68	0.002626	7.7	3849.35	441.64	0.37
Reach 2	478501	10 - Year	34504	743.24	765.82		766.53	0.002371	8.58	5529.94	463.54	0.36
Reach 2	478501	50 - Year	81492	743.24	774.45		775.62	0.002732	12.04	10695.13	760.89	0.42
Reach 2	478501	100 - Year	99183	743.24	775.97		777.36	0.003024	13.16	11875.2	786.43	0.44
Reach 2	478501	500 - Year	140401	743.24	779.64		781.39	0.003394	15.14	14924.34	905.5	0.48
Reach 2	478284	2 - Year	2697	739.92	752.45		752.64	0.001771	3.64	893.52	297.34	0.24
Reach 2	478284	5 - Year	20959	739.92	761.82		762.2	0.0016	6.14	4656.43	441.31	0.27
Reach 2	478284	10 - Year	34504	739.92	765.51		766.05	0.001753	7.36	6362.05	477.41	0.29
Reach 2	478284	50 - Year	81492	739.92	773.99		775.03	0.002495	11.12	11778.39	847.06	0.37
Reach 2	478284	100 - Year	99183	739.92	775.46		776.7	0.002827	12.25	13057.09	893.07	0.39
Reach 2	478284	500 - Year	140401	739.92	779.12		780.64	0.003141	13.94	16629.41	1052.03	0.42
Reach 2	477807	2 - Year	2697	740.99	751.83		751.89	0.001292	2.27	1484.31	471.78	0.18
Reach 2	477807	5 - Year	20959	740.99	761.47		761.63	0.000756	3.66	6624	557.67	0.17
Reach 2	477807	10 - Year	34504	740.99	765.14		765.4	0.000882	4.6	8707.82	589.32	0.19
Reach 2	477807	50 - Year	81492	740.99	773.43		773.99	0.001506	7.74	15489.11	1134.54	0.27
Reach 2	477807	100 - Year	99183	740.99	774.82		775.5	0.001753	8.64	17138.48	1246.54	0.29
Reach 2	477807	500 - Year	140401	740.99	778.5		779.31	0.001852	9.65	22457.16	1662.47	0.3
Reach 2	477323	2 - Year	2697	739.18	751.24		751.34	0.00103	2.62	1259.05	427.9	0.17
Reach 2	477323	5 - Year	20959	739.18	761.12		761.28	0.000763	4.05	7015.75	627.18	0.17
Reach 2	477323	10 - Year	34504	739.18	764.72		764.97	0.000945	5.13	9385.32	719.82	0.2
Reach 2	477323	50 - Year	81492	739.18	772.86		773.32	0.001259	7.4	17475.03	1493.98	0.24
Reach 2	477323	100 - Year	99183	739.18	774.18		774.73	0.001427	8.12	19505.63	1585.59	0.26
Reach 2	477323	500 - Year	140401	739.18	777.89		778.51	0.001411	8.72	25823.86	1783.07	0.26
Reach 2	476830	2 - Year	2697	744.19	750.64	748.79	750.69	0.001681	2.18	1619.08	639.7	0.2
Reach 2	476830	5 - Year	20959	744.19	760.93	751.54	761	0.000384	2.57	10152.72	889.33	0.12
Reach 2	476830	10 - Year	34504	744.19	764.52	753.01	764.63	0.000458	3.27	13480.36	981.32	0.14
Reach 2	476830	50 - Year	81492	744.19	772.66	756.05	772.87	0.000541	4.59	24620.62	1888.87	0.16
Reach 2	476830	100 - Year	99183	744.19	773.95	756.96	774.2	0.000631	5.12	27080.51	1924.97	0.17
Reach 2	476830	500 - Year	140401	744.19	777.65	758.93	777.96	0.000672	5.76	34373.03	2018.23	0.18
Reach 2	476472	2 - Year	2697	742.62	750.3	747.33	750.33	0.000648	1.78	2296.34	749.39	0.14
Reach 2	476472	5 - Year	20959	742.62	760.82	750.48	760.88	0.000286	2.43	11016.65	855.7	0.11
Reach 2	476472	10 - Year	34504	742.62	764.38	751.71	764.47	0.000383	3.22	14113.73	938.61	0.13
Reach 2	476472	50 - Year	81492	742.62	772.5	754.67	772.68	0.000482	4.56	26897.28	2127.17	0.15

Reach 2	476472	100 - Year	99183	742.62	773.77	755.61	773.98	0.000559	5.06	29609.26	2154.09	0.17
Reach 2	476472	500 - Year	140401	742.62	777.47	757.6	777.73	0.000583	5.6	37719.9	2239.14	0.17
Reach 2	476055	2 - Year	2697	742.73	750.12	745.89	750.14	0.000308	1.3	2822.8	699.18	0.1
Reach 2	476055	5 - Year	20959	742.73	760.68	749.33	760.75	0.000316	2.75	11149.33	1001.08	0.12
Reach 2	476055	10 - Year	34504	742.73	764.22	750.55	764.31	0.000355	3.34	14718.28	1020.13	0.13
Reach 2	476055	50 - Year	81492	742.73	772.25	753.84	772.46	0.000484	4.91	23210.53	1855.35	0.17
Reach 2	476055	100 - Year	99183	742.73	773.44	754.9	773.72	0.000601	5.64	24608.33	1915.28	0.19
Reach 2	476055	500 - Year	140401	742.73	777.01	757.19	777.42	0.000744	6.78	29042.33	2105.29	0.21
Reach 2	475626	2 - Year	2697	742.63	750.02	745.53	750.03	0.000237	1.26	2922.79	788.86	0.09
Reach 2	475626	5 - Year	20959	742.63	760.59	749.59	760.65	0.00021	2.33	11833.07	906.97	0.1
Reach 2	475626	10 - Year	34504	742.63	764.1	750.79	764.19	0.000267	2.99	15041.47	930.96	0.12
Reach 2	475626	50 - Year	81492	742.63	772.07	753.88	772.29	0.000413	4.64	22920.19	1744.36	0.15
Reach 2	475626	100 - Year	99183	742.63	773.2	754.83	773.51	0.000525	5.37	24148.83	1809.49	0.18
Reach 2	475626	500 - Year	140401	742.63	776.69	757.1	777.15	0.00069	6.64	28414.8	2257.75	0.2
Reach 2	475239	2 - Year	2697	741.45	749.96	744.75	749.97	0.000107	0.81	4118.83	823.3	0.06
Reach 2	475239	5 - Year	20959	741.45	760.54	747.74	760.58	0.000144	1.9	13791.39	980.23	0.08
Reach 2	475239	10 - Year	34504	741.45	764.03	748.91	764.1	0.000197	2.53	17434.18	1116.27	0.1
Reach 2	475239	50 - Year	81492	741.45	771.97	751.98	772.13	0.000309	3.96	27834.75	2195.93	0.13
Reach 2	475239	100 - Year	99183	741.45	773.09	752.87	773.3	0.000397	4.62	29562.88	2297.53	0.15
Reach 2	475239	500 - Year	140401	741.45	776.55	754.87	776.87	0.000535	5.78	35596.38	2935.95	0.18
Reach 2	474831	2 - Year	2697	740	749.9	743.56	749.92	0.00015	1.19	3034.93	607.32	0.08
Reach 2	474831	5 - Year	20959	740	760.42	747.97	760.5	0.000227	2.72	10548.58	843.59	0.11
Reach 2	474831	10 - Year	34504	740	763.86	750.1	763.99	0.000303	3.55	13744.22	1014.74	0.14
Reach 2	474831	50 - Year	81492	740	771.7	753.89	771.97	0.000449	5.34	22881.2	2033.14	0.18
Reach 2	474831	100 - Year	99183	740	772.73	755.24	773.09	0.000575	6.19	24284.51	2133.9	0.2
Reach 2	474831	500 - Year	140401	740	776.03	757.89	776.58	0.000783	7.75	29610.57	2938.32	0.24
Reach 2	474494	2 - Year	2697	739	749.84	743.26	749.87	0.000121	1.4	2087.91	332.99	0.09
Reach 2	474494	5 - Year	20959	739	760.23	748.46	760.4	0.000268	3.7	8219.86	819.58	0.15
Reach 2	474494	10 - Year	34504	739	763.59	750.77	763.86	0.000352	4.75	11424.82	1034.67	0.18
Reach 2	474494	50 - Year	81492	739	771.3	756.82	771.78	0.000489	6.88	20892.09	2174.27	0.23
Reach 2	474494	100 - Year	99183	739	772.2	758.28	772.85	0.000641	8.04	22217.79	2294.36	0.26
Reach 2	474494	500 - Year	140401	739	775.23	760	776.23	0.000906	10.19	27770.84	3180.25	0.31
Reach 2	474430	2 - Year	2697	735.63	749.84	739.38	749.86	0.00004	0.99	2831.16	326.81	0.05
Reach 2	474430	5 - Year	20959	735.63	760.21	745.23	760.38	0.0002	3.49	7158.51	456.89	0.13
Reach 2	474430	10 - Year	34504	735.63	763.51	747.61	763.83	0.000312	4.81	8683.46	466.86	0.17
Reach 2	474430	50 - Year	81492	735.63	770.52	754.35	771.67	0.000797	9.09	12704.37	1136.78	0.29
Reach 2	474430	100 - Year	99183	735.63	771.06	756.21	772.69	0.00111	10.85	13359.84	1266.78	0.34
Reach 2	474430	500 - Year	140401	735.63	773.5	759.92	776.01	0.001602	13.7	16925.95	1871.98	0.41
Reach 2	474405		Bridge									
Reach 2	474378	2 - Year	2697	735.63	749.84	739.4	749.85	0.00004	0.99	2837.9	328.1	0.05
Reach 2	474378	5 - Year	20959	735.63	760.16	745.27	760.34	0.000206	3.53	7197.04	518.88	0.14
Reach 2	474378	10 - Year	34504	735.63	763.42	747.65	763.76	0.000335	4.96	9304.89	829.38	0.18
Reach 2	474378	50 - Year	81492	735.63	769.94	754.4	770.77	0.000657	8.15	15725.94	2092.37	0.26
Reach 2	474378	100 - Year	99183	735.63	770.12	756.19	771.32	0.000947	9.83	15945.77	2114.03	0.31
Reach 2	474378	500 - Year	140401	735.63	770.73	758.74	772.96	0.001731	13.46	16716.46	2188.39	0.42
Reach 2	474344	2 - Year	2706	739.98	749.82	742.36	749.85	0.000079	1.26	2451.09	351.41	0.07
Reach 2	474344	5 - Year	21026	739.98	760.1	747.47	760.32	0.000292	4.04	7056.27	606.21	0.16
Reach 2	474344	10 - Year	34560	739.98	763.39	749.85	763.75	0.000414	5.34	9151.05	699.19	0.2
Reach 2	474344	50 - Year	81806	739.98	769.81	756	770.72	0.000825	8.92	15928.48	2103.91	0.29
Reach 2	474344	100 - Year	99570	739.98	769.92	757.72	771.25	0.001202	10.8	16076.87	2163.52	0.35
Reach 2	474344	500 - Year	140827	739.98	770.09	762.21	772.77	0.002393	15.29	16319.46	2227.12	0.5

Reach 2	474144	2 - Year	2706	738.58	749.83	741.34	749.83	0.000028	0.7	4198.91	497.54	0.04
Reach 2	474144	5 - Year	21026	738.58	760.15	744.89	760.24	0.000131	2.5	9877.85	690.92	0.1
Reach 2	474144	10 - Year	34560	738.58	763.47	746.66	763.63	0.000205	3.46	12734.38	1411.16	0.13
Reach 2	474144	50 - Year	81806	738.58	770.11	751.18	770.45	0.000347	5.33	25968.94	2486.19	0.17
Reach 2	474144	100 - Year	99570	738.58	770.37	752.62	770.85	0.000496	6.4	26609.66	2513.53	0.21
Reach 2	474144	500 - Year	140827	738.58	771.17	755.49	772	0.000851	8.54	28631.6	2518.75	0.27
Reach 2	473753	2 - Year	2706	738.59	749.82		749.82	0.000025	0.77	4741.5	577.04	0.04
Reach 2	473753	5 - Year	21026	738.59	760.11		760.19	0.00012	2.7	11613.72	1031.17	0.11
Reach 2	473753	10 - Year	34560	738.59	763.39		763.55	0.000206	3.9	16107	1816.92	0.14
Reach 2	473753	50 - Year	81806	738.59	770.04		770.3	0.000299	5.55	30887.89	2318.43	0.18
Reach 2	473753	100 - Year	99570	738.59	770.27		770.65	0.000424	6.64	31420.16	2320.15	0.21
Reach 2	473753	500 - Year	140827	738.59	770.99		771.66	0.000738	8.9	33105.32	2325.59	0.28
Reach 2	473443	2 - Year	2706	734.21	749.81	740.44	749.82	0.000024	0.78	5172.51	561.87	0.04
Reach 2	473443	5 - Year	21026	734.21	760.07	744.42	760.15	0.000193	3.31	12293.54	1150.03	0.12
Reach 2	473443	10 - Year	34560	734.21	763.33	746.06	763.48	0.000315	4.62	17336.5	1951.43	0.16
Reach 2	473443	50 - Year	81806	734.21	770.01	750.27	770.19	0.000348	5.64	30853.79	2099.94	0.17
Reach 2	473443	100 - Year	99570	734.21	770.23	751.5	770.49	0.000494	6.75	31310.09	2104.72	0.21
Reach 2	473443	500 - Year	140827	734.21	770.92	754.28	771.38	0.000865	9.06	32771.6	2119.94	0.28
Reach 2	472975	2 - Year	2706	737.67	749.8		749.8	0.000039	0.77	4650.47	518.52	0.04
Reach 2	472975	5 - Year	21026	737.67	759.96		760.03	0.000238	3.04	11566.65	1041.16	0.12
Reach 2	472975	10 - Year	34560	737.67	763.18		763.3	0.000332	3.97	16005.8	1496.51	0.15
Reach 2	472975	50 - Year	81806	737.67	769.77		769.97	0.000496	5.73	27068.1	2120.87	0.19
Reach 2	472975	100 - Year	99570	737.67	769.87		770.17	0.000721	6.93	27289	2141.96	0.22
Reach 2	472975	500 - Year	140827	737.67	770.24		770.8	0.00135	9.56	28099.13	2218.3	0.31
Reach 2	472396	2 - Year	2706	734.88	749.78		749.79	0.000024	0.73	5684.05	811.38	0.04
Reach 2	472396	5 - Year	21026	734.88	759.92		759.96	0.000081	2.04	20408.55	2063.47	0.08
Reach 2	472396	10 - Year	34560	734.88	763.14		763.19	0.000102	2.53	27252.53	2163.88	0.09
Reach 2	472396	50 - Year	81806	734.88	769.71		769.8	0.000166	3.78	41730.2	2259.07	0.12
Reach 2	472396	100 - Year	99570	734.88	769.78		769.92	0.000243	4.58	41898.91	2261.49	0.14
Reach 2	472396	500 - Year	140827	734.88	770.05		770.32	0.000482	6.48	42520.64	2446.14	0.2
Reach 2	471955	2 - Year	2701	734.12	749.78		749.78	0.000009	0.46	8205.19	986.35	0.02
Reach 2	471955	5 - Year	20989	734.12	759.9		759.93	0.000045	1.55	24521.21	2314.95	0.06
Reach 2	471955	10 - Year	34404	734.12	763.12		763.15	0.000059	1.96	32075.53	2376.58	0.07
Reach 2	471955	50 - Year	81696	734.12	769.65		769.73	0.000122	3.28	48234.27	2788.87	0.1
Reach 2	471955	100 - Year	99469	734.12	769.7		769.82	0.000179	3.98	48371.7	2791.45	0.12
Reach 2	471955	500 - Year	140722	734.12	769.9		770.13	0.000348	5.57	48923.88	2801.81	0.17
Reach 2	471492	2 - Year	2701	727.19	749.77		749.77	0.000007	0.48	9338.48	1014.26	0.02
Reach 2	471492	5 - Year	20989	727.19	759.89		759.91	0.000032	1.54	26984.74	2153.1	0.06
Reach 2	471492	10 - Year	34404	727.19	763.1		763.13	0.000046	2	33965.63	2194.12	0.07
Reach 2	471492	50 - Year	81696	727.19	769.6		769.68	0.000102	3.46	49454.62	2581.35	0.1
Reach 2	471492	100 - Year	99469	727.19	769.63		769.74	0.000151	4.21	49520.18	2582.73	0.13
Reach 2	471492	500 - Year	140722	727.19	769.75		769.98	0.000298	5.91	49841.71	2589.51	0.18
Reach 2	471305	2 - Year	2701	727.34	749.77	733.94	749.77	0.000014	0.71	6649.35	1054.83	0.03
Reach 2	471305	5 - Year	20989	727.34	759.88	742.91	759.9	0.000044	1.81	25092.29	2171.22	0.06
Reach 2	471305	10 - Year	34404	727.34	763.08	746.83	763.12	0.000062	2.33	32394.51	2374.08	0.08
Reach 2	471305	50 - Year	81696	727.34	769.58	751.11	769.66	0.000112	3.61	48359.31	2535.93	0.11
Reach 2	471305	100 - Year	99469	727.34	769.6	751.98	769.72	0.000166	4.39	48400.01	2536.3	0.13
Reach 2	471305	500 - Year	140722	727.34	769.69	755.19	769.93	0.000327	6.18	48644.09	2538.49	0.19
Reach 2	471274		Culvert									
Reach 2	471249	2 - Year	2701	727	749.76		749.77	0.000009	0.75	6757.6	1052.53	0.03
Reach 2	471249	5 - Year	20989	727	759.85		759.88	0.00004	2.12	24715.57	2147.57	0.07
Reach 2	471249	10 - Year	34404	727	763.04		763.09	0.000057	2.71	31815.04	2281.01	0.09

Reach 2	471249	50 - Year	81696	727	769.49		769.6	0.000111	4.28	47306.72	2503.33	0.12
Reach 2	471249	100 - Year	99469	727	769.5		769.66	0.000164	5.21	47332.23	2503.65	0.15
Reach 2	471249	500 - Year	140722	727	769.53		769.85	0.000326	7.36	47415.52	2504.68	0.21
Reach 2	471196	2 - Year	2701	721.11	749.76	726.63	749.76	0.000005	0.59	9152.42	1684.39	0.02
Reach 2	471196	5 - Year	20989	721.11	759.85	735.25	759.88	0.000026	1.84	27232.99	1947.7	0.06
Reach 2	471196	10 - Year	34404	721.11	763.04	739.06	763.09	0.000041	2.47	33590.06	2060.02	0.07
Reach 2	471196	50 - Year	81696	721.11	769.47	750.28	769.58	0.000092	4.14	47445.31	2243.33	0.11
Reach 2	471196	100 - Year	99469	721.11	769.47	751.49	769.64	0.000137	5.04	47445.31	2243.33	0.14
Reach 2	471196	500 - Year	140722	721.11	769.47	753.55	769.8	0.000274	7.14	47445.31	2243.33	0.2

Battle Intense at Cibolo Creek

Alternative 1 - 2-year Level of Service Bridge

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)
Reach 2	715923	2 - Year	2091	1249.1	1257.49		1258.14	0.008557	6.51
Reach 2	715923	5 - Year	16247	1249.1	1265.92		1267.3	0.004055	9.7
Reach 2	715923	10 - Year	31320	1249.1	1270.17		1271.53	0.003066	10.65
Reach 2	715923	50 - Year	59811	1249.1	1275.99		1276.52	0.001144	8.17
Reach 2	715923	100 - Year	70638	1249.1	1277.41		1278.01	0.001205	8.77
Reach 2	715923	500 - Year	108677	1249.1	1280.04		1280.69	0.001262	9.69
Reach 2	715480	2 - Year	2091	1248.17	1257.16		1257.2	0.00037	1.7
Reach 2	715480	5 - Year	16247	1248.17	1265.53		1265.78	0.000689	4.61
Reach 2	715480	10 - Year	31320	1248.17	1269.81		1270.13	0.000686	5.61
Reach 2	715480	50 - Year	59811	1248.17	1275.7		1276.01	0.000511	5.92
Reach 2	715480	100 - Year	70638	1248.17	1277.13		1277.45	0.000511	6.17
Reach 2	715480	500 - Year	108677	1248.17	1279.65		1280.15	0.000713	7.79
Reach 2	714891	2 - Year	2091	1246.48	1256.22		1256.59	0.004086	4.82
Reach 2	714891	5 - Year	16247	1246.48	1263.84		1264.83	0.00306	8.97
Reach 2	714891	10 - Year	31320	1246.48	1268.12		1269.22	0.002612	10.29
Reach 2	714891	50 - Year	59811	1246.48	1274.5		1275.37	0.001672	10.37
Reach 2	714891	100 - Year	70638	1246.48	1276.22		1276.91	0.001322	9.71
Reach 2	714891	500 - Year	108677	1246.48	1278.6		1279.48	0.001603	11.4
Reach 2	714290	2 - Year	2091	1246.31	1254.83		1255.04	0.001679	3.7
Reach 2	714290	5 - Year	16247	1246.31	1262.25		1263.11	0.002835	8.57
Reach 2	714290	10 - Year	31320	1246.31	1266.69		1267.75	0.002653	10.12
Reach 2	714290	50 - Year	59811	1246.31	1273.56		1274.43	0.001771	10.34
Reach 2	714290	100 - Year	70638	1246.31	1274.56		1275.87	0.002562	12.78
Reach 2	714290	500 - Year	108677	1246.31	1277.18		1278.39	0.002466	13.4
Reach 2	713689	2 - Year	2091	1245.6	1253.75		1253.88	0.002145	2.92
Reach 2	713689	5 - Year	16247	1245.6	1260.96		1261.6	0.00216	6.53
Reach 2	713689	10 - Year	31320	1245.6	1265.21		1266.29	0.002385	8.63
Reach 2	713689	50 - Year	59811	1245.6	1272.52		1273.5	0.001512	9.01
Reach 2	713689	100 - Year	70638	1245.6	1273.48		1274.64	0.001741	9.95
Reach 2	713689	500 - Year	108677	1245.6	1275.99		1277.2	0.001881	11.09
Reach 2	713367	2 - Year	2091	1242.2	1251.43	1249.93	1252.4	0.013141	7.9
Reach 2	713367	5 - Year	16247	1242.2	1260.37	1256.74	1260.9	0.002535	7.44
Reach 2	713367	10 - Year	31320	1242.2	1264.97	1259.47	1265.55	0.001892	8.01
Reach 2	713367	50 - Year	59811	1242.2	1272.36	1262.52	1272.95	0.001602	9.45
Reach 2	713367	100 - Year	70638	1242.2	1273.3	1263.49	1274	0.00189	10.54
Reach 2	713367	500 - Year	108677	1242.2	1275.96	1267.77	1276.58	0.001721	10.76
Reach 2	713301	2 - Year	2091	1242.17	1251.25	1249.18	1251.6	0.004695	4.8

Reach 2	713301	5 - Year	16247	1242.17	1260.31	1256.01	1260.68	0.001345	5.68
Reach 2	713301	10 - Year	31320	1242.17	1264.87	1257.16	1265.39	0.001362	7.07
Reach 2	713301	50 - Year	59811	1242.17	1272	1260.97	1272.76	0.001435	9.19
Reach 2	713301	100 - Year	70638	1242.17	1272.98	1262	1273.82	0.001558	9.83
Reach 2	713301	500 - Year	108677	1242.17	1275.28	1265.41	1276.31	0.001968	11.72
Reach 2	713279		Bridge						
Reach 2	713239.*	2 - Year	2091	1242.13	1250.87	1248.77	1251.22	0.004226	4.72
Reach 2	713239.*	5 - Year	16247	1242.13	1259.56	1255.51	1259.97	0.001517	6.1
Reach 2	713239.*	10 - Year	31320	1242.13	1264.6	1257.06	1265.17	0.001385	7.37
Reach 2	713239.*	50 - Year	59811	1242.13	1271.81	1260.45	1272.64	0.001455	9.56
Reach 2	713239.*	100 - Year	70638	1242.13	1272.81	1262.06	1273.72	0.00159	10.26
Reach 2	713239.*	500 - Year	108677	1242.13	1275.18	1265.72	1276.21	0.001899	11.91
Reach 2	713172.*	2 - Year	2091	1242.1	1250.63	1248.24	1250.93	0.003661	4.39
Reach 2	713172.*	5 - Year	16247	1242.1	1259.44	1254.55	1259.87	0.00143	6.22
Reach 2	713172.*	10 - Year	31320	1242.1	1264.45	1256.9	1265.06	0.001374	7.64
Reach 2	713172.*	50 - Year	59811	1242.1	1271.61	1260.54	1272.52	0.001504	10.05
Reach 2	713172.*	100 - Year	70638	1242.1	1272.49	1261.38	1273.56	0.001747	11.09
Reach 2	713172.*	500 - Year	108677	1242.1	1275.06	1265.94	1276.08	0.001812	12.04
Reach 2	712967	2 - Year	2091	1241.98	1250.17		1250.41	0.00171	3.95
Reach 2	712967	5 - Year	16247	1241.98	1259.1		1259.58	0.001232	6.65
Reach 2	712967	10 - Year	31320	1241.98	1264.09		1264.76	0.001252	8.22
Reach 2	712967	50 - Year	59811	1241.98	1270.33		1271.94	0.002169	13.08
Reach 2	712967	100 - Year	70638	1241.98	1271.76		1273.09	0.001902	12.7
Reach 2	712967	500 - Year	108677	1241.98	1274.59		1275.68	0.001735	12.98
Reach 2	712501	2 - Year	2075	1241.72	1249.79		1249.89	0.000683	2.53
Reach 2	712501	5 - Year	16125	1241.72	1258.25		1258.96	0.001386	6.9
Reach 2	712501	10 - Year	31046	1241.72	1262.89		1264.06	0.001643	9.17
Reach 2	712501	50 - Year	59372	1241.72	1268.35	1261.05	1270.8	0.002458	13.37
Reach 2	712501	100 - Year	69820	1241.72	1269.54	1262.52	1272	0.002483	13.89
Reach 2	712501	500 - Year	108422	1241.72	1272.37	1267.96	1274.64	0.002514	15.02
Reach 2	711822	2 - Year	2075	1240.15	1248.85		1249.06	0.00262	3.7
Reach 2	711822	5 - Year	16125	1240.15	1257.27		1257.83	0.001866	6.61
Reach 2	711822	10 - Year	31046	1240.15	1262.01		1262.78	0.001797	8.11
Reach 2	711822	50 - Year	59372	1240.15	1267.76		1268.92	0.00198	10.39
Reach 2	711822	100 - Year	69820	1240.15	1268.64		1270.06	0.002336	11.57
Reach 2	711822	500 - Year	108422	1240.15	1271.54		1272.75	0.002176	12.08
Reach 2	711104	2 - Year	2075	1236.42	1247.72		1247.84	0.001143	2.77
Reach 2	711104	5 - Year	16125	1236.42	1255.91		1256.52	0.001741	6.67
Reach 2	711104	10 - Year	31046	1236.42	1260.58		1261.47	0.001804	8.38
Reach 2	711104	50 - Year	59372	1236.42	1266.2		1267.48	0.001989	10.61

Reach 2	711104	100 - Year	69820	1236.42	1267.15		1268.45	0.002053	11.07
Reach 2	711104	500 - Year	108422	1236.42	1270.23		1271.29	0.001833	11.34
Reach 2	710538	2 - Year	2075	1236.5	1247.47		1247.53	0.0003	1.92
Reach 2	710538	5 - Year	16125	1236.5	1255.21		1255.75	0.001038	6.14
Reach 2	710538	10 - Year	31046	1236.5	1259.57		1260.57	0.001395	8.53
Reach 2	710538	50 - Year	59372	1236.5	1264.44	1256.35	1266.29	0.002027	12.03
Reach 2	710538	100 - Year	69820	1236.5	1265.25	1257.93	1267.2	0.002176	12.75
Reach 2	710538	500 - Year	108422	1236.5	1269.02		1270.3	0.001612	12.1
Reach 2	710011	2 - Year	2233	1240.08	1247.07		1247.21	0.001269	2.99
Reach 2	710011	5 - Year	17349	1240.08	1254.17		1254.93	0.002049	7.45
Reach 2	710011	10 - Year	33700	1240.08	1258.07		1259.46	0.002605	10.25
Reach 2	710011	50 - Year	64229	1240.08	1262.48	1257.39	1264.79	0.003385	13.87
Reach 2	710011	100 - Year	75217	1240.08	1264.24		1265.81	0.002422	12.43
Reach 2	710011	500 - Year	114828	1240.08	1268.47		1269.31	0.001396	10.65
Reach 2	709632	2 - Year	2233	1239.88	1246.25		1246.45	0.00368	3.97
Reach 2	709632	5 - Year	17349	1239.88	1253.56		1254.07	0.002168	7.15
Reach 2	709632	10 - Year	33700	1239.88	1257.89		1258.43	0.001698	8.03
Reach 2	709632	50 - Year	64229	1239.88	1263.01		1263.5	0.001314	8.64
Reach 2	709632	100 - Year	75217	1239.88	1264.45		1264.88	0.001117	8.36
Reach 2	709632	500 - Year	114828	1239.88	1268.39		1268.77	0.000888	8.35
Reach 2	709274	2 - Year	2233	1238.02	1244.89		1245.12	0.003966	4.11
Reach 2	709274	5 - Year	17349	1238.02	1252.56		1253.23	0.002569	7.88
Reach 2	709274	10 - Year	33700	1238.02	1257.34		1257.87	0.001548	7.88
Reach 2	709274	50 - Year	64229	1238.02	1262.7		1263.08	0.000996	7.74
Reach 2	709274	100 - Year	75217	1238.02	1264.19		1264.53	0.000844	7.47
Reach 2	709274	500 - Year	114828	1238.02	1268.17		1268.49	0.000694	7.57
Reach 2	709036	2 - Year	2233	1236.14	1243.99		1244.19	0.004015	3.93
Reach 2	709036	5 - Year	17349	1236.14	1252.3		1252.65	0.001831	5.94
Reach 2	709036	10 - Year	33700	1236.14	1257.08		1257.48	0.001615	6.99
Reach 2	709036	50 - Year	64229	1236.14	1262.51		1262.82	0.001157	7.15
Reach 2	709036	100 - Year	75217	1236.14	1264.03		1264.31	0.000987	6.9
Reach 2	709036	500 - Year	114828	1236.14	1268.02		1268.31	0.000829	7.02
Reach 2	708789	2 - Year	2233	1234.55	1243.19		1243.35	0.002724	3.41
Reach 2	708789	5 - Year	17349	1234.55	1251.77		1252.17	0.001893	6.24
Reach 2	708789	10 - Year	33700	1234.55	1256.63		1257.07	0.001562	7.06
Reach 2	708789	50 - Year	64229	1234.55	1262.1		1262.5	0.001298	7.74
Reach 2	708789	100 - Year	75217	1234.55	1263.68		1264.04	0.0011	7.45
Reach 2	708789	500 - Year	114828	1234.55	1267.72		1268.08	0.000943	7.64
Reach 2	708555	2 - Year	2233	1234.03	1242.67		1242.83	0.001826	3.22
Reach 2	708555	5 - Year	17349	1234.03	1251.16		1251.7	0.001929	6.59

Reach 2	708555	10 - Year	33700	1234.03	1255.8		1256.6	0.002172	8.54
Reach 2	708555	50 - Year	64229	1234.03	1261.54		1262.15	0.001517	8.6
Reach 2	708555	100 - Year	75217	1234.03	1263.16		1263.72	0.001367	8.53
Reach 2	708555	500 - Year	114828	1234.03	1267.3		1267.82	0.001145	8.64
Reach 2	708328	2 - Year	2233	1233.48	1241.78		1242.15	0.00519	5
Reach 2	708328	5 - Year	17349	1233.48	1250.3		1251.09	0.003384	8.44
Reach 2	708328	10 - Year	33700	1233.48	1255.24		1256.03	0.00271	9.4
Reach 2	708328	50 - Year	64229	1233.48	1261.22		1261.76	0.001613	8.81
Reach 2	708328	100 - Year	75217	1233.48	1262.85		1263.38	0.001486	8.83
Reach 2	708328	500 - Year	114828	1233.48	1266.89		1267.5	0.001514	9.84
Reach 2	708095	2 - Year	2233	1233.68	1239.62		1240.23	0.014248	6.3
Reach 2	708095	5 - Year	17349	1233.68	1249.63		1250.32	0.002669	7.55
Reach 2	708095	10 - Year	33700	1233.68	1254.64		1255.42	0.002261	8.67
Reach 2	708095	50 - Year	64229	1233.68	1260.49		1261.3	0.001898	9.62
Reach 2	708095	100 - Year	75217	1233.68	1262.11		1262.94	0.001841	9.9
Reach 2	708095	500 - Year	114828	1233.68	1265.9		1267	0.002189	11.85
Reach 2	707753	2 - Year	2233	1229.46	1239.47		1239.54	0.000552	2.13
Reach 2	707753	5 - Year	17349	1229.46	1249.3		1249.7	0.001037	5.5
Reach 2	707753	10 - Year	33700	1229.46	1254.2		1254.82	0.001233	7.17
Reach 2	707753	50 - Year	64229	1229.46	1259.98		1260.78	0.001319	8.73
Reach 2	707753	100 - Year	75217	1229.46	1261.55		1262.41	0.001373	9.25
Reach 2	707753	500 - Year	114828	1229.46	1265		1266.31	0.0019	11.76
Reach 2	707352	2 - Year	2233	1228.3	1239.21		1239.32	0.00056	2.58
Reach 2	707352	5 - Year	17349	1228.3	1248.29		1249.11	0.001954	7.9
Reach 2	707352	10 - Year	33700	1228.3	1252.8		1254.07	0.002539	10.51
Reach 2	707352	50 - Year	64229	1228.3	1258.69		1260.03	0.002377	11.93
Reach 2	707352	100 - Year	75217	1228.3	1260.07		1261.61	0.002604	12.89
Reach 2	707352	500 - Year	114828	1228.3	1263.7		1265.37	0.002742	14.31
Reach 2	706900	2 - Year	2233	1228.16	1238.71		1238.89	0.001842	3.35
Reach 2	706900	5 - Year	17349	1228.16	1247.29		1248.09	0.002623	7.8
Reach 2	706900	10 - Year	33700	1228.16	1251.65		1252.81	0.002957	9.98
Reach 2	706900	50 - Year	64229	1228.16	1257.83		1258.9	0.002325	10.78
Reach 2	706900	100 - Year	75217	1228.16	1259.53		1260.42	0.001949	10.33
Reach 2	706900	500 - Year	114828	1228.16	1263.36		1264.17	0.001685	10.53
Reach 2	706428	2 - Year	2221	1228.28	1237.64		1237.86	0.0026	3.77
Reach 2	706428	5 - Year	17255	1228.28	1246.2		1246.85	0.002473	7.38
Reach 2	706428	10 - Year	33398	1228.28	1250.45		1251.4	0.002817	9.49
Reach 2	706428	50 - Year	63900	1228.28	1257.03		1257.83	0.001947	9.77
Reach 2	706428	100 - Year	74909	1228.28	1258.59		1259.48	0.002065	10.49
Reach 2	706428	500 - Year	114430	1228.28	1262.55		1263.35	0.001821	10.84

Reach 2	706126	2 - Year	2221	1228.65	1237.31		1237.39	0.000792	2.27
Reach 2	706126	5 - Year	17255	1228.65	1245.89		1246.22	0.001088	5.09
Reach 2	706126	10 - Year	33398	1228.65	1250.11		1250.62	0.001314	6.69
Reach 2	706126	50 - Year	63900	1228.65	1256.64		1257.3	0.001274	8.09
Reach 2	706126	100 - Year	74909	1228.65	1258.12		1258.92	0.001449	8.97
Reach 2	706126	500 - Year	114430	1228.65	1262.05		1262.87	0.001429	9.79
Reach 2	706048	2 - Year	2221	1234.07	1236.96	1235.94	1237.21	0.006675	3.98
Reach 2	706048	5 - Year	17255	1234.07	1245.55	1240.18	1246.05	0.002037	6.02
Reach 2	706048	10 - Year	33398	1234.07	1249.93	1243.68	1250.49	0.001709	6.89
Reach 2	706048	50 - Year	63900	1234.07	1256.64	1247.87	1257.12	0.001106	7.05
Reach 2	706048	100 - Year	74909	1234.07	1258.2	1248.82	1258.67	0.001039	7.16
Reach 2	706048	500 - Year	114430	1234.07	1262.09	1251.71	1262.64	0.001083	8.09
Reach 2	705986		Culvert						
Reach 2	705951	2 - Year	2221	1233.8	1236.54		1236.86	0.01001	4.55
Reach 2	705951	5 - Year	17255	1233.8	1244.69		1245	0.001615	5.15
Reach 2	705951	10 - Year	33398	1233.8	1250.04		1250.27	0.000839	4.9
Reach 2	705951	50 - Year	63900	1233.8	1256.7		1256.93	0.000598	5.23
Reach 2	705951	100 - Year	74909	1233.8	1258.33		1258.57	0.00058	5.4
Reach 2	705951	500 - Year	114430	1233.8	1262.14		1262.45	0.000647	6.29
Reach 2	705863	2 - Year	2221	1228.25	1233.9	1233.9	1235.11	0.033926	8.83
Reach 2	705863	5 - Year	17255	1228.25	1244.05	1239.86	1244.71	0.002956	7.79
Reach 2	705863	10 - Year	33398	1228.25	1249.17	1242.78	1249.98	0.002581	9.15
Reach 2	705863	50 - Year	63900	1228.25	1255.74	1246.81	1256.64	0.002151	10.32
Reach 2	705863	100 - Year	74909	1228.25	1257.27	1248.47	1258.26	0.002297	11.1
Reach 2	705863	500 - Year	114430	1228.25	1260.93	1252	1262.09	0.002677	13.1
Reach 2	705479	2 - Year	2221	1220.57	1231.38	1226.23	1231.64	0.002281	4.07
Reach 2	705479	5 - Year	17255	1220.57	1242.12	1236.37	1243.37	0.003777	9.77
Reach 2	705479	10 - Year	33398	1220.57	1247.37	1242.21	1248.77	0.003578	11.36
Reach 2	705479	50 - Year	63900	1220.57	1254.26	1247.99	1255.63	0.003024	12.49
Reach 2	705479	100 - Year	74909	1220.57	1256.08	1249.23	1257.29	0.002652	12.17
Reach 2	705479	500 - Year	114430	1220.57	1260.53	1252	1261.15	0.001576	10.26
Reach 2	705061	2 - Year	2221	1218.28	1231.03	1223.65	1231.12	0.000583	2.39
Reach 2	705061	5 - Year	17255	1218.28	1241.27	1231.78	1242.04	0.001928	7.42
Reach 2	705061	10 - Year	33398	1218.28	1246.34	1237.66	1247.45	0.002291	9.5
Reach 2	705061	50 - Year	63900	1218.28	1253.23	1244.94	1254.53	0.002246	11.17
Reach 2	705061	100 - Year	74909	1218.28	1254.71	1246.42	1256.17	0.00244	12.01
Reach 2	705061	500 - Year	114430	1218.28	1259.55	1250.65	1260.43	0.001614	10.74
Reach 2	704609	2 - Year	2221	1219.41	1230.57	1225.57	1230.71	0.001453	3
Reach 2	704609	5 - Year	17255	1219.41	1240.31	1233.22	1241.07	0.002394	7.45
Reach 2	704609	10 - Year	33398	1219.41	1245.38	1238	1246.34	0.002402	9.01

Reach 2	704609	50 - Year	63900	1219.41	1252.28	1243.71	1253.47	0.002308	10.71
Reach 2	704609	100 - Year	74909	1219.41	1253.67	1244.93	1255.02	0.002528	11.59
Reach 2	704609	500 - Year	114430	1219.41	1257.63	1248.58	1259.26	0.002884	13.49
Reach 2	703991	2 - Year	2264	1219.03	1229.62	1224.26	1229.76	0.00163	3.03
Reach 2	703991	5 - Year	17594	1219.03	1238.42	1232.45	1239.27	0.003617	7.74
Reach 2	703991	10 - Year	33973	1219.03	1243.5	1236.95	1244.62	0.003457	9.35
Reach 2	703991	50 - Year	65336	1219.03	1250.48	1242.15	1251.86	0.00318	11.09
Reach 2	703991	100 - Year	76540	1219.03	1251.73	1243.53	1253.26	0.003455	11.93
Reach 2	703991	500 - Year	116383	1219.03	1255.01	1247.8	1257.08	0.004402	14.54
Reach 2	703580	2 - Year	2264	1216.67	1229.29	1221.9	1229.36	0.00055	2.03
Reach 2	703580	5 - Year	17594	1216.67	1237.22	1229.39	1237.98	0.002678	7.21
Reach 2	703580	10 - Year	33973	1216.67	1241.63	1233.84	1243.08	0.003818	10.18
Reach 2	703580	50 - Year	65336	1216.67	1247.83	1240	1250.1	0.004625	13.43
Reach 2	703580	100 - Year	76540	1216.67	1249.41	1242.54	1251.55	0.004367	13.57
Reach 2	703580	500 - Year	116383	1216.67	1253.47	1250.35	1255.31	0.00385	13.96
Reach 2	703198	2 - Year	2264	1216.46	1228.62		1228.85	0.003269	3.89
Reach 2	703198	5 - Year	17594	1216.46	1236.38		1236.81	0.002126	6.38
Reach 2	703198	10 - Year	33973	1216.46	1240.87		1241.35	0.001791	7.25
Reach 2	703198	50 - Year	65336	1216.46	1247.3		1247.79	0.001427	8.08
Reach 2	703198	100 - Year	76540	1216.46	1248.86		1249.37	0.001447	8.5
Reach 2	703198	500 - Year	116383	1216.46	1253.03		1253.47	0.001151	8.43
Reach 2	702455	2 - Year	2264	1216.96	1225.58		1225.95	0.004565	4.93
Reach 2	702455	5 - Year	17594	1216.96	1234.64		1235.22	0.002633	7.21
Reach 2	702455	10 - Year	33973	1216.96	1239.62		1240.18	0.001903	7.72
Reach 2	702455	50 - Year	65336	1216.96	1246.19		1246.82	0.001651	8.94
Reach 2	702455	100 - Year	76540	1216.96	1247.84		1248.44	0.001542	9.03
Reach 2	702455	500 - Year	116383	1216.96	1252.13		1252.7	0.001361	9.42
Reach 2	701936	2 - Year	2264	1214.54	1223.9		1224.14	0.002572	3.94
Reach 2	701936	5 - Year	17594	1214.54	1232.58		1233.6	0.003588	8.48
Reach 2	701936	10 - Year	33973	1214.54	1238.29		1239.14	0.002225	8.64
Reach 2	701936	50 - Year	65336	1214.54	1245.14		1245.99	0.00174	9.48
Reach 2	701936	100 - Year	76540	1214.54	1246.81		1247.65	0.001676	9.72
Reach 2	701936	500 - Year	116383	1214.54	1251.29		1252.05	0.001431	9.97
Reach 2	701272	2 - Year	2264	1212.76	1220.93		1221.24	0.008886	4.41
Reach 2	701272	5 - Year	17594	1212.76	1231.5		1231.93	0.00137	5.37
Reach 2	701272	10 - Year	33973	1212.76	1237.33		1237.96	0.001275	6.68
Reach 2	701272	50 - Year	65336	1212.76	1243.98		1244.95	0.001422	8.67
Reach 2	701272	100 - Year	76540	1212.76	1245.62		1246.63	0.001423	9.04
Reach 2	701272	500 - Year	116383	1212.76	1250.13		1251.12	0.00133	9.7
Reach 2	700689	2 - Year	2264	1211.02	1219.52		1219.63	0.001217	2.68

Reach 2	700689	5 - Year	17594	1211.02	1230.74		1231.2	0.001113	5.67
Reach 2	700689	10 - Year	33973	1211.02	1236.4		1237.17	0.001304	7.52
Reach 2	700689	50 - Year	65336	1211.02	1242.7		1243.97	0.001661	10.07
Reach 2	700689	100 - Year	76540	1211.02	1244.35		1245.66	0.001663	10.47
Reach 2	700689	500 - Year	116383	1211.02	1249.09		1250.28	0.001503	11
Reach 2	700203	2 - Year	2264	1207.18	1218.6		1218.82	0.00218	3.77
Reach 2	700203	5 - Year	17594	1207.18	1229.98		1230.54	0.001589	6.7
Reach 2	700203	10 - Year	33973	1207.18	1235.92		1236.45	0.001191	7.16
Reach 2	700203	50 - Year	65336	1207.18	1242.36		1243.01	0.001164	8.41
Reach 2	700203	100 - Year	76540	1207.18	1244.02		1244.7	0.001168	8.76
Reach 2	700203	500 - Year	116383	1207.18	1248.73		1249.45	0.001154	9.59
Reach 2	699721	2 - Year	2264	1204.4	1217.27		1217.6	0.002816	4.6
Reach 2	699721	5 - Year	17594	1204.4	1229.04		1229.72	0.002089	7.22
Reach 2	699721	10 - Year	33973	1204.4	1235.34		1235.94	0.001406	7.51
Reach 2	699721	50 - Year	65336	1204.4	1241.69		1242.49	0.001478	9.18
Reach 2	699721	100 - Year	76540	1204.4	1243.31		1244.16	0.001518	9.66
Reach 2	699721	500 - Year	116383	1204.4	1247.91		1248.87	0.001574	10.85
Reach 2	699436	2 - Year	2264	1205.32	1216.98		1217.1	0.000829	2.77
Reach 2	699436	5 - Year	17594	1205.32	1228.64		1229.22	0.001262	6.65
Reach 2	699436	10 - Year	33973	1205.32	1234.67		1235.49	0.001384	8.4
Reach 2	699436	50 - Year	65336	1205.32	1240.75		1241.93	0.001722	10.87
Reach 2	699436	100 - Year	76540	1205.32	1242.18		1243.54	0.001913	11.81
Reach 2	699436	500 - Year	116383	1205.32	1247.01		1248.31	0.001797	12.57
Reach 2	699122	2 - Year	2264	1203.59	1216.76		1216.87	0.000607	2.71
Reach 2	699122	5 - Year	17594	1203.59	1228		1228.74	0.001528	7.53
Reach 2	699122	10 - Year	33973	1203.59	1233.75		1234.89	0.00188	9.9
Reach 2	699122	50 - Year	65336	1203.59	1239.84		1241.26	0.002156	12.22
Reach 2	699122	100 - Year	76540	1203.59	1241.46		1242.89	0.002152	12.63
Reach 2	699122	500 - Year	116383	1203.59	1246.14		1247.64	0.00218	13.88
Reach 2	698828	2 - Year	2264	1203.72	1216.61		1216.7	0.000534	2.34
Reach 2	698828	5 - Year	17594	1203.72	1227.7		1228.3	0.001225	6.53
Reach 2	698828	10 - Year	33973	1203.72	1233.37		1234.35	0.001549	8.77
Reach 2	698828	50 - Year	65336	1203.72	1239.17		1240.64	0.002029	11.58
Reach 2	698828	100 - Year	76540	1203.72	1240.66		1242.24	0.002135	12.28
Reach 2	698828	500 - Year	116383	1203.72	1245.64		1247.01	0.001861	12.64
Reach 2	698304	2 - Year	2264	1205.17	1216.3		1216.39	0.00064	2.42
Reach 2	698304	5 - Year	17594	1205.17	1227.14		1227.65	0.001148	6.15
Reach 2	698304	10 - Year	33973	1205.17	1232.67		1233.52	0.001451	8.29
Reach 2	698304	50 - Year	65336	1205.17	1238.36		1239.56	0.001787	10.66
Reach 2	698304	100 - Year	76540	1205.17	1239.81		1241.11	0.001882	11.3
Reach 2	698304	500 - Year	116383	1205.17	1244.45		1245.97	0.002037	12.94

Reach 2	697900	2 - Year	2264	1204.54	1215.66		1215.89	0.003043	3.85
Reach 2	697900	5 - Year	17594	1204.54	1226.6		1227.08	0.001765	6.34
Reach 2	697900	10 - Year	33973	1204.54	1232.08		1232.82	0.001986	8.22
Reach 2	697900	50 - Year	65336	1204.54	1237.72		1238.71	0.002281	10.33
Reach 2	697900	100 - Year	76540	1204.54	1239.18		1240.21	0.002313	10.78
Reach 2	697900	500 - Year	116383	1204.54	1243.95		1245.02	0.002176	11.61
Reach 2	697375	2 - Year	2264	1203.1	1214.44		1214.63	0.001909	3.49
Reach 2	697375	5 - Year	17594	1203.1	1224.55		1225.75	0.003531	9.17
Reach 2	697375	10 - Year	33973	1203.1	1230.27		1231.51	0.003015	10.37
Reach 2	697375	50 - Year	65336	1203.1	1236.55		1237.52	0.002263	10.64
Reach 2	697375	100 - Year	76540	1203.1	1238.05		1239.02	0.002211	10.89
Reach 2	697375	500 - Year	116383	1203.1	1243		1243.9	0.001945	11.32
Reach 2	696880	2 - Year	2264	1201.72	1214.04		1214.13	0.000555	2.41
Reach 2	696880	5 - Year	17594	1201.72	1223.16		1224.21	0.002629	8.48
Reach 2	696880	10 - Year	33973	1201.72	1229		1230.16	0.002447	9.89
Reach 2	696880	50 - Year	65336	1201.72	1235.55		1236.51	0.001966	10.44
Reach 2	696880	100 - Year	76540	1201.72	1237.09		1238.02	0.001911	10.65
Reach 2	696880	500 - Year	116383	1201.72	1242.22		1243.03	0.001614	10.81
Reach 2	696345	2 - Year	2264	1202.72	1213.25	1209.18	1213.52	0.002641	4.18
Reach 2	696345	5 - Year	17594	1202.72	1222.56	1218.45	1222.86	0.001517	5.84
Reach 2	696345	10 - Year	33973	1202.72	1228.21	1221.98	1228.77	0.002075	8.41
Reach 2	696345	50 - Year	65336	1202.72	1235.15	1222.71	1235.51	0.001202	7.73
Reach 2	696345	100 - Year	76540	1202.72	1236.71	1223.65	1237.08	0.001159	7.87
Reach 2	696345	500 - Year	116383	1202.72	1241.86	1226.51	1242.24	0.001064	8.39
Reach 2	695851	2 - Year	2252	1202	1212.52		1212.61	0.001147	2.46
Reach 2	695851	5 - Year	17501	1202	1222.1		1222.28	0.000874	4.09
Reach 2	695851	10 - Year	33416	1202	1227.79		1228.03	0.000842	4.94
Reach 2	695851	50 - Year	65252	1202	1234.71		1235.01	0.000894	6.15
Reach 2	695851	100 - Year	76600	1202	1236.29		1236.59	0.00088	6.33
Reach 2	695851	500 - Year	115896	1202	1241.49		1241.8	0.00079	6.68
Reach 2	695255	2 - Year	2252	1200	1211.6		1211.76	0.001749	3.21
Reach 2	695255	5 - Year	17501	1200	1220.66		1221.32	0.002895	7.33
Reach 2	695255	10 - Year	33416	1200	1225.99		1226.99	0.003204	9.42
Reach 2	695255	50 - Year	65252	1200	1233.4		1234.16	0.002198	9.58
Reach 2	695255	100 - Year	76600	1200	1235.09		1235.79	0.002002	9.51
Reach 2	695255	500 - Year	115896	1200	1240.52		1241.13	0.001624	9.58
Reach 2	694564	2 - Year	2252	1202	1210.4		1210.52	0.001771	2.8
Reach 2	694564	5 - Year	17501	1202	1218.91		1219.54	0.002429	6.68
Reach 2	694564	10 - Year	33416	1202	1223.99		1225.04	0.002701	8.78
Reach 2	694564	50 - Year	65252	1202	1231.21		1232.51	0.002474	10.51

Reach 2	694564	100 - Year	76600	1202	1233.13		1234.32	0.002217	10.45
Reach 2	694564	500 - Year	115896	1202	1238.64		1239.84	0.001998	11.22
Reach 2	693908	2 - Year	2252	1198	1207.89		1208.22	0.00902	4.67
Reach 2	693908	5 - Year	17501	1198	1217.27		1217.79	0.002815	6.47
Reach 2	693908	10 - Year	33416	1198	1222.37		1223.13	0.002747	8.03
Reach 2	693908	50 - Year	65252	1198	1229.91		1230.75	0.002284	9.29
Reach 2	693908	100 - Year	76600	1198	1232.02		1232.76	0.001957	9.08
Reach 2	693908	500 - Year	115896	1198	1237.73		1238.44	0.001669	9.52
Reach 2	693424	2 - Year	2252	1196	1205.5		1205.78	0.003195	4.23
Reach 2	693424	5 - Year	17501	1196	1216.53		1216.9	0.0013	5.68
Reach 2	693424	10 - Year	33416	1196	1221.88		1222.28	0.001079	6.4
Reach 2	693424	50 - Year	65252	1196	1229.64		1230.04	0.000818	6.96
Reach 2	693424	100 - Year	76600	1196	1231.72		1232.13	0.000781	7.14
Reach 2	693424	500 - Year	115896	1196	1237.39		1237.87	0.000784	8.04
Reach 2	693047	2 - Year	2252	1196	1204.4		1204.65	0.002758	4.01
Reach 2	693047	5 - Year	17501	1196	1215.76		1216.34	0.001674	6.68
Reach 2	693047	10 - Year	33416	1196	1221.42		1221.91	0.00117	6.9
Reach 2	693047	50 - Year	65252	1196	1229.24		1229.74	0.000938	7.65
Reach 2	693047	100 - Year	76600	1196	1231.31		1231.84	0.000925	7.96
Reach 2	693047	500 - Year	115896	1196	1236.91		1237.56	0.000973	9.13
Reach 2	692720	2 - Year	2252	1194	1203.3		1203.62	0.003465	4.54
Reach 2	692720	5 - Year	17501	1194	1215.22		1215.75	0.002001	7.01
Reach 2	692720	10 - Year	33416	1194	1221.04		1221.52	0.001478	7.34
Reach 2	692720	50 - Year	65252	1194	1228.91		1229.43	0.001252	8.24
Reach 2	692720	100 - Year	76600	1194	1230.99		1231.53	0.001234	8.55
Reach 2	692720	500 - Year	115896	1194	1236.58		1237.24	0.00131	9.79
Reach 2	692225	2 - Year	2252	1192	1202.28		1202.45	0.001529	3.37
Reach 2	692225	5 - Year	17501	1192	1213.72		1214.6	0.002462	7.88
Reach 2	692225	10 - Year	33416	1192	1219.94		1220.7	0.001765	8.24
Reach 2	692225	50 - Year	65252	1192	1228.07		1228.79	0.001382	8.92
Reach 2	692225	100 - Year	76600	1192	1230.21		1230.92	0.001318	9.1
Reach 2	692225	500 - Year	115896	1192	1235.78		1236.61	0.001362	10.26
Reach 2	691979	2 - Year	2252	1191.68	1200.82		1201.58	0.011784	7.01
Reach 2	691979	5 - Year	17501	1191.68	1212.77		1213.83	0.003995	8.72
Reach 2	691979	10 - Year	33416	1191.68	1218.93		1220.11	0.003086	9.86
Reach 2	691979	50 - Year	65252	1191.68	1227.49		1228.4	0.001881	9.79
Reach 2	691979	100 - Year	76600	1191.68	1229.65		1230.56	0.001768	9.97
Reach 2	691979	500 - Year	115896	1191.68	1235.24		1236.25	0.00173	11.04
Reach 2	691608	2 - Year	2252	1186.75	1200.01		1200.19	0.001506	3.37
Reach 2	691608	5 - Year	17501	1186.75	1211.75		1212.63	0.002454	7.62

Reach 2	691608	10 - Year	33416	1186.75	1217.62		1219.02	0.002763	9.94
Reach 2	691608	50 - Year	65252	1186.75	1226.2		1227.63	0.002217	11.08
Reach 2	691608	100 - Year	76600	1186.75	1228.39		1229.82	0.002143	11.41
Reach 2	691608	500 - Year	115896	1186.75	1234.14		1235.56	0.001992	12.25
Reach 2	691005	2 - Year	2274	1185.95	1199.37		1199.5	0.000849	2.87
Reach 2	691005	5 - Year	17671	1185.95	1210.55		1211.37	0.001771	7.67
Reach 2	691005	10 - Year	33570	1185.95	1216.23		1217.57	0.00215	10.13
Reach 2	691005	50 - Year	66062	1185.95	1223.91		1226.05	0.00262	13.48
Reach 2	691005	100 - Year	77563	1185.95	1225.77		1228.16	0.002795	14.47
Reach 2	691005	500 - Year	116971	1185.95	1230.87		1233.76	0.003104	16.76
Reach 2	690736	2 - Year	2274	1188.38	1199.18		1199.27	0.000657	2.45
Reach 2	690736	5 - Year	17671	1188.38	1210.2		1210.79	0.001252	6.45
Reach 2	690736	10 - Year	33570	1188.38	1215.83		1216.81	0.001552	8.63
Reach 2	690736	50 - Year	66062	1188.38	1223.35		1225.23	0.002161	12.26
Reach 2	690736	100 - Year	77563	1188.38	1225.16		1227.32	0.002352	13.29
Reach 2	690736	500 - Year	116971	1188.38	1230.22		1232.79	0.002581	15.32
Reach 2	690347	2 - Year	2274	1185.74	1198.72		1198.87	0.001694	3.27
Reach 2	690347	5 - Year	17671	1185.74	1209.72		1210.19	0.001622	6.44
Reach 2	690347	10 - Year	33570	1185.74	1215.26		1216.06	0.002014	8.66
Reach 2	690347	50 - Year	66062	1185.74	1222.78		1224.07	0.002458	11.59
Reach 2	690347	100 - Year	77563	1185.74	1224.58		1226.04	0.00263	12.47
Reach 2	690347	500 - Year	116971	1185.74	1229.54		1231.4	0.002999	14.66
Reach 2	689965	2 - Year	2274	1187.28	1196.74		1197.48	0.010879	6.88
Reach 2	689965	5 - Year	17671	1187.28	1208.63		1209.34	0.002906	8.04
Reach 2	689965	10 - Year	33570	1187.28	1214.34		1215.18	0.002503	9.22
Reach 2	689965	50 - Year	66062	1187.28	1222.01		1223.06	0.002365	11.03
Reach 2	689965	100 - Year	77563	1187.28	1223.82		1224.96	0.002447	11.69
Reach 2	689965	500 - Year	116971	1187.28	1228.85		1230.18	0.002513	13.11
Reach 2	689638	2 - Year	2274	1184.19	1195.56		1195.82	0.00254	4.11
Reach 2	689638	5 - Year	17671	1184.19	1207.69		1208.5	0.002357	8.17
Reach 2	689638	10 - Year	33570	1184.19	1213.58		1214.46	0.00212	9.33
Reach 2	689638	50 - Year	66062	1184.19	1221.44		1222.38	0.001876	10.59
Reach 2	689638	100 - Year	77563	1184.19	1223.26		1224.24	0.00191	11.08
Reach 2	689638	500 - Year	116971	1184.19	1228.27		1229.42	0.002069	12.65
Reach 2	689321	2 - Year	2274	1183.92	1195.15		1195.31	0.001009	3.25
Reach 2	689321	5 - Year	17671	1183.92	1206.7		1207.77	0.002161	8.82
Reach 2	689321	10 - Year	33570	1183.92	1212.62		1213.78	0.002011	10.18
Reach 2	689321	50 - Year	66062	1183.92	1220.61		1221.79	0.001766	11.48
Reach 2	689321	100 - Year	77563	1183.92	1222.46		1223.65	0.001758	11.87
Reach 2	689321	500 - Year	116971	1183.92	1227.52		1228.81	0.001799	13.15

Reach 2	688950	2 - Year	2274	1183.65	1194.78		1194.95	0.000959	3.28
Reach 2	688950	5 - Year	17671	1183.65	1205.96		1207.02	0.001882	8.73
Reach 2	688950	10 - Year	33570	1183.65	1211.75		1213.06	0.001884	10.51
Reach 2	688950	50 - Year	66062	1183.65	1220.06		1221.21	0.001448	11.25
Reach 2	688950	100 - Year	77563	1183.65	1221.91		1223.08	0.001446	11.67
Reach 2	688950	500 - Year	116971	1183.65	1226.94		1228.22	0.001508	13.06
Reach 2	688528	2 - Year	2274	1184.29	1193.87		1194.22	0.003172	4.73
Reach 2	688528	5 - Year	17671	1184.29	1205.09		1206.15	0.002346	9
Reach 2	688528	10 - Year	33570	1184.29	1210.94		1212.22	0.002158	10.64
Reach 2	688528	50 - Year	66062	1184.29	1219.59		1220.54	0.001383	10.64
Reach 2	688528	100 - Year	77563	1184.29	1221.47		1222.4	0.00133	10.86
Reach 2	688528	500 - Year	116971	1184.29	1226.61		1227.48	0.001204	11.4
Reach 2	688110	2 - Year	2274	1177.98	1193.81		1193.86	0.000196	1.8
Reach 2	688110	5 - Year	17671	1177.98	1204.99		1205.39	0.000627	5.44
Reach 2	688110	10 - Year	33570	1177.98	1210.79		1211.44	0.000806	7.28
Reach 2	688110	50 - Year	66062	1177.98	1219.39		1220.08	0.000735	8.4
Reach 2	688110	100 - Year	77563	1177.98	1221.26		1221.96	0.000744	8.75
Reach 2	688110	500 - Year	116971	1177.98	1226.35		1227.12	0.000779	9.77
Reach 2	687622	2 - Year	2274	1188	1193.44		1193.61	0.001713	3.37
Reach 2	687622	5 - Year	17671	1188	1204.26		1204.91	0.001404	6.86
Reach 2	687622	10 - Year	33570	1188	1209.86		1210.87	0.001544	8.85
Reach 2	687622	50 - Year	66062	1188	1218.2		1219.51	0.001467	10.79
Reach 2	687622	100 - Year	77563	1188	1219.98		1221.38	0.001509	11.38
Reach 2	687622	500 - Year	116971	1188	1224.67		1226.44	0.00174	13.42
Reach 2	687147	2 - Year	2266	1181.69	1192.72		1192.9	0.001293	3.41
Reach 2	687147	5 - Year	17603	1181.69	1202.85		1203.9	0.002607	8.93
Reach 2	687147	10 - Year	33217	1181.69	1208.4		1209.8	0.002673	10.93
Reach 2	687147	50 - Year	65836	1181.69	1217.13		1218.6	0.002223	12.4
Reach 2	687147	100 - Year	77541	1181.69	1218.84		1220.43	0.002333	13.17
Reach 2	687147	500 - Year	116809	1181.69	1223.69		1225.43	0.002425	14.72
Reach 2	686770	2 - Year	2266	1183.45	1192.07		1192.28	0.002164	3.68
Reach 2	686770	5 - Year	17603	1183.45	1202.3		1202.95	0.001924	7.27
Reach 2	686770	10 - Year	33217	1183.45	1208.06		1208.83	0.001703	8.46
Reach 2	686770	50 - Year	65836	1183.45	1216.95		1217.77	0.001348	9.52
Reach 2	686770	100 - Year	77541	1183.45	1218.67		1219.55	0.001412	10.11
Reach 2	686770	500 - Year	116809	1183.45	1223.48		1224.52	0.001513	11.5
Reach 2	686169	2 - Year	2266	1180.5	1189.91		1190.33	0.004988	5.22
Reach 2	686169	5 - Year	17603	1180.5	1200.62		1201.58	0.003023	8.86
Reach 2	686169	10 - Year	33217	1180.5	1206.84		1207.8	0.002246	9.63
Reach 2	686169	50 - Year	65836	1180.5	1216.09		1217.04	0.001654	10.53
Reach 2	686169	100 - Year	77541	1180.5	1217.83		1218.82	0.001681	11.01

Reach 2	686169	500 - Year	116809	1180.5	1222.61		1223.76	0.001809	12.53
Reach 2	685762	2 - Year	2266	1179.98	1188.68		1188.9	0.002311	3.75
Reach 2	685762	5 - Year	17603	1179.98	1199.65		1200.54	0.002297	7.87
Reach 2	685762	10 - Year	33217	1179.98	1205.54		1206.85	0.002362	9.91
Reach 2	685762	50 - Year	65836	1179.98	1214.99		1216.32	0.001785	11
Reach 2	685762	100 - Year	77541	1179.98	1216.75		1218.11	0.001797	11.45
Reach 2	685762	500 - Year	116809	1179.98	1221.47		1223.03	0.001919	12.95
Reach 2	685415	2 - Year	2266	1178.55	1188.1		1188.26	0.001365	3.16
Reach 2	685415	5 - Year	17603	1178.55	1198.95		1199.77	0.001925	7.63
Reach 2	685415	10 - Year	33217	1178.55	1204.75		1206.05	0.002183	9.92
Reach 2	685415	50 - Year	65836	1178.55	1213.59		1215.46	0.002254	12.58
Reach 2	685415	100 - Year	77541	1178.55	1215.32		1217.24	0.002283	13.12
Reach 2	685415	500 - Year	116809	1178.55	1220.03		1222.12	0.002392	14.68
Reach 2	685122	2 - Year	2266	1178.16	1187.52		1187.74	0.002202	3.79
Reach 2	685122	5 - Year	17603	1178.16	1198.38		1199.17	0.00209	7.71
Reach 2	685122	10 - Year	33217	1178.16	1204.16		1205.35	0.002228	9.79
Reach 2	685122	50 - Year	65836	1178.16	1212.89		1214.77	0.002449	12.87
Reach 2	685122	100 - Year	77541	1178.16	1214.47		1216.49	0.002577	13.66
Reach 2	685122	500 - Year	116809	1178.16	1219.04		1221.31	0.002753	15.44
Reach 2	684871	2 - Year	2266	1178.3	1186.97		1187.14	0.002278	3.33
Reach 2	684871	5 - Year	17603	1178.3	1197.98		1198.53	0.001461	6.28
Reach 2	684871	10 - Year	33217	1178.3	1203.77		1204.57	0.001506	7.9
Reach 2	684871	50 - Year	65836	1178.3	1212.62		1213.58	0.001307	9.3
Reach 2	684871	100 - Year	77541	1178.3	1214.17		1215.27	0.00144	10.1
Reach 2	684871	500 - Year	116809	1178.3	1218.68		1220.04	0.001642	11.79
Reach 2	684406	2 - Year	2266	1176.45	1186.3		1186.4	0.001073	2.58
Reach 2	684406	5 - Year	17603	1176.45	1197.65		1197.9	0.000805	4.63
Reach 2	684406	10 - Year	33217	1176.45	1203.49		1203.84	0.000854	5.8
Reach 2	684406	50 - Year	65836	1176.45	1212.5		1212.86	0.00069	6.51
Reach 2	684406	100 - Year	77541	1176.45	1214.07		1214.46	0.000731	6.91
Reach 2	684406	500 - Year	116809	1176.45	1218.59		1219.09	0.000849	8.11
Reach 2	683839	2 - Year	2266	1172.86	1185.91		1186.01	0.000475	2.59
Reach 2	683839	5 - Year	17603	1172.86	1196.06		1197.06	0.001681	8.32
Reach 2	683839	10 - Year	33217	1172.86	1201.04		1202.74	0.00226	11.31
Reach 2	683839	50 - Year	65836	1172.86	1209.98		1211.85	0.001971	13.12
Reach 2	683839	100 - Year	77541	1172.86	1211.64		1213.46	0.001943	13.46
Reach 2	683839	500 - Year	116809	1172.86	1216.7		1218.21	0.001654	13.62
Reach 2	683539	2 - Year	2276	1176.69	1185.39		1185.65	0.002584	4.1
Reach 2	683539	5 - Year	17683	1176.69	1195.58		1196.33	0.00189	7.71
Reach 2	683539	10 - Year	33217	1176.69	1200.52		1201.62	0.002044	9.72

Reach 2	683539	50 - Year	66201	1176.69	1209.53		1210.89	0.001783	11.68
Reach 2	683539	100 - Year	78092	1176.69	1211.22		1212.48	0.001674	11.76
Reach 2	683539	500 - Year	117435	1176.69	1216.52		1217.13	0.00093	9.76
Reach 2	683147	2 - Year	2276	1171.48	1185.04		1185.15	0.000594	2.62
Reach 2	683147	5 - Year	17683	1171.48	1194.93		1195.69	0.001504	7.44
Reach 2	683147	10 - Year	33217	1171.48	1199.46		1200.79	0.002051	10.18
Reach 2	683147	50 - Year	66201	1171.48	1207.69		1209.87	0.002392	13.63
Reach 2	683147	100 - Year	78092	1171.48	1209.6		1211.56	0.002182	13.57
Reach 2	683147	500 - Year	117435	1171.48	1215.89		1216.71	0.001055	10.65
Reach 2	682795	2 - Year	2276	1169.15	1184.83		1184.94	0.000631	2.72
Reach 2	682795	5 - Year	17683	1169.15	1194.48		1195.13	0.001493	7.33
Reach 2	682795	10 - Year	33217	1169.15	1198.96		1199.98	0.001887	9.63
Reach 2	682795	50 - Year	66201	1169.15	1206.99		1208.92	0.002523	13.76
Reach 2	682795	100 - Year	78092	1169.15	1209.31		1210.55	0.001771	12.13
Reach 2	682795	500 - Year	117435	1169.15	1215.69		1216.27	0.000883	9.67
Reach 2	682199	2 - Year	2276	1170.93	1183.64		1184.07	0.004361	5.22
Reach 2	682199	5 - Year	17683	1170.93	1192.69		1193.63	0.004857	9.4
Reach 2	682199	10 - Year	33217	1170.93	1197.79		1198.52	0.002958	9.06
Reach 2	682199	50 - Year	66201	1170.93	1206.36		1207.07	0.001892	9.3
Reach 2	682199	100 - Year	78092	1170.93	1208.61		1209.3	0.001704	9.31
Reach 2	682199	500 - Year	117435	1170.93	1215.04		1215.67	0.001348	9.43
Reach 2	681889	2 - Year	2276	1172.19	1182.4		1182.75	0.003916	4.81
Reach 2	681889	5 - Year	17683	1172.19	1191.5		1192.42	0.003493	8.79
Reach 2	681889	10 - Year	33217	1172.19	1196.93		1197.74	0.002377	9.11
Reach 2	681889	50 - Year	66201	1172.19	1205.89		1206.61	0.001444	9.22
Reach 2	681889	100 - Year	78092	1172.19	1208.21		1208.88	0.00128	9.16
Reach 2	681889	500 - Year	117435	1172.19	1214.73		1215.33	0.000986	9.17
Reach 2	681424	2 - Year	2276	1169.94	1181.15		1181.33	0.002229	3.52
Reach 2	681424	5 - Year	17683	1169.94	1190.73		1191.16	0.00161	6.14
Reach 2	681424	10 - Year	33217	1169.94	1196.19		1196.81	0.001579	7.58
Reach 2	681424	50 - Year	66201	1169.94	1205		1205.92	0.001523	9.55
Reach 2	681424	100 - Year	78092	1169.94	1207.44		1208.27	0.00136	9.54
Reach 2	681424	500 - Year	117435	1169.94	1214.31		1214.92	0.000928	9.02
Reach 2	681008	2 - Year	2276	1171.77	1180.3		1180.43	0.001951	2.91
Reach 2	681008	5 - Year	17683	1171.77	1189.9		1190.44	0.001631	6.1
Reach 2	681008	10 - Year	33217	1171.77	1195.53		1196.18	0.001371	7.06
Reach 2	681008	50 - Year	66201	1171.77	1204.43		1205.33	0.001239	8.66
Reach 2	681008	100 - Year	78092	1171.77	1206.98		1207.76	0.001055	8.47
Reach 2	681008	500 - Year	117435	1171.77	1214.02		1214.6	0.000722	8.04
Reach 2	680583	2 - Year	2276	1169.33	1178.7		1179.02	0.006218	4.51

Reach 2	680583	5 - Year	17683	1169.33	1188.71		1189.47	0.002942	7.32
Reach 2	680583	10 - Year	33217	1169.33	1194.59		1195.41	0.002186	8.11
Reach 2	680583	50 - Year	66201	1169.33	1203.93		1204.72	0.001443	8.62
Reach 2	680583	100 - Year	78092	1169.33	1206.58		1207.25	0.001187	8.31
Reach 2	680583	500 - Year	117435	1169.33	1213.75		1214.27	0.000826	7.97
Reach 2	679955	2 - Year	2276	1166.46	1175.1		1175.5	0.005008	5.08
Reach 2	679955	5 - Year	17683	1166.46	1186.91		1187.73	0.00275	7.58
Reach 2	679955	10 - Year	33217	1166.46	1193.3		1194.19	0.002079	8.42
Reach 2	679955	50 - Year	66201	1166.46	1202.98		1203.9	0.001494	9.21
Reach 2	679955	100 - Year	78092	1166.46	1205.43		1206.44	0.001502	9.72
Reach 2	679955	500 - Year	117435	1166.46	1212.24		1213.47	0.001522	11.1
Reach 2	679601	2 - Year	2276	1165.83	1174.37	1169.56	1174.52	0.001419	3.07
Reach 2	679601	5 - Year	17683	1165.83	1186.08	1177.11	1186.89	0.002071	7.35
Reach 2	679601	10 - Year	33217	1165.83	1192.04	1181.59	1193.31	0.002336	9.53
Reach 2	679601	50 - Year	66201	1165.83	1201.51	1189.06	1203.09	0.002099	11.36
Reach 2	679601	100 - Year	78092	1165.83	1203.92	1191.38	1205.62	0.002111	11.95
Reach 2	679601	500 - Year	117435	1165.83	1210.6	1197.53	1212.62	0.002136	13.51
Reach 2	679135	2 - Year	2276	1162.53	1172.99	1170	1173.34	0.004805	4.76
Reach 2	679135	5 - Year	17683	1162.53	1185.11	1178.31	1185.81	0.002396	7.31
Reach 2	679135	10 - Year	33217	1162.53	1191.18	1182.73	1192.1	0.002177	8.7
Reach 2	679135	50 - Year	66201	1162.53	1200.73	1187.81	1201.99	0.002022	10.71
Reach 2	679135	100 - Year	78092	1162.53	1203.17	1189.54	1204.5	0.001991	11.18
Reach 2	679135	500 - Year	117435	1162.53	1209.74	1193.96	1211.49	0.002235	13.34
Reach 2	678676	2 - Year	2276	1161.37	1172.85		1172.92	0.000288	2.11
Reach 2	678676	5 - Year	17683	1161.37	1184.72		1185.24	0.000655	5.88
Reach 2	678676	10 - Year	33217	1161.37	1190.59		1191.51	0.000851	8.02
Reach 2	678676	50 - Year	66201	1161.37	1199.55		1201.28	0.001109	11.25
Reach 2	678676	100 - Year	78092	1161.37	1201.97		1203.79	0.00111	11.79
Reach 2	678676	500 - Year	117435	1161.37	1208.76		1210.78	0.001097	13.15
Reach 2	678369	2 - Year	2276	1162.44	1172.58		1172.74	0.001086	3.19
Reach 2	678369	5 - Year	17683	1162.44	1184.18		1184.92	0.001107	7.09
Reach 2	678369	10 - Year	33217	1162.44	1189.81		1191.08	0.001359	9.53
Reach 2	678369	50 - Year	66201	1162.44	1199.02		1200.86	0.001381	12.09
Reach 2	678369	100 - Year	78092	1162.44	1201.5		1203.39	0.001341	12.53
Reach 2	678369	500 - Year	117435	1162.44	1208.34		1210.4	0.001282	13.84
Reach 2	678025	2 - Year	2276	1162.33	1172.1		1172.28	0.001586	3.38
Reach 2	678025	5 - Year	17683	1162.33	1183.59		1184.41	0.001887	7.69
Reach 2	678025	10 - Year	33217	1162.33	1189.38		1190.43	0.001882	9.32
Reach 2	678025	50 - Year	66201	1162.33	1198.93		1200.01	0.001466	10.37
Reach 2	678025	100 - Year	78092	1162.33	1201.41		1202.56	0.001455	10.84
Reach 2	678025	500 - Year	117435	1162.33	1208.31		1209.56	0.00138	11.91

Reach 2	677684	2 - Year	2276	1161.17	1171.43		1171.66	0.002001	3.86
Reach 2	677684	5 - Year	17683	1161.17	1182.07		1183.44	0.003234	9.76
Reach 2	677684	10 - Year	33217	1161.17	1187.82		1189.53	0.003072	11.62
Reach 2	677684	50 - Year	66201	1161.17	1197.81		1199.39	0.002133	12.41
Reach 2	677684	100 - Year	78092	1161.17	1200.28		1201.94	0.002104	12.95
Reach 2	677684	500 - Year	117435	1161.17	1207.02		1208.93	0.002098	14.56
Reach 2	677416	2 - Year	2276	1159.04	1171.08		1171.23	0.001093	3.14
Reach 2	677416	5 - Year	17683	1159.04	1181.5		1182.55	0.002355	8.6
Reach 2	677416	10 - Year	33217	1159.04	1187.07		1188.74	0.002787	11.28
Reach 2	677416	50 - Year	66201	1159.04	1196.47		1198.62	0.002554	13.6
Reach 2	677416	100 - Year	78092	1159.04	1198.75		1201.12	0.002652	14.5
Reach 2	677416	500 - Year	117435	1159.04	1205.46		1208.12	0.002582	16.12
Reach 2	677125	2 - Year	2276	1157.97	1170.88		1170.99	0.000601	2.65
Reach 2	677125	5 - Year	17683	1157.97	1180.92		1181.89	0.002039	8.33
Reach 2	677125	10 - Year	33217	1157.97	1186.45		1187.94	0.002405	10.8
Reach 2	677125	50 - Year	66201	1157.97	1195.77		1197.89	0.002447	13.58
Reach 2	677125	100 - Year	78092	1157.97	1198.04		1200.36	0.002531	14.43
Reach 2	677125	500 - Year	117435	1157.97	1204.45		1207.33	0.002706	16.68
Reach 2	676807	2 - Year	2276	1158.07	1170.66		1170.78	0.000729	2.83
Reach 2	676807	5 - Year	17683	1158.07	1180.1		1181.17	0.002445	8.79
Reach 2	676807	10 - Year	33217	1158.07	1185.56		1187.12	0.002722	11.14
Reach 2	676807	50 - Year	66201	1158.07	1195.06		1197.07	0.002485	13.44
Reach 2	676807	100 - Year	78092	1158.07	1197.29		1199.51	0.002574	14.31
Reach 2	676807	500 - Year	117435	1158.07	1203.46		1206.42	0.00292	17.01
Reach 2	676303	2 - Year	2276	1159.66	1169.79		1170.03	0.003424	3.93
Reach 2	676303	5 - Year	17683	1159.66	1178.85		1179.68	0.002837	7.85
Reach 2	676303	10 - Year	33217	1159.66	1184.53		1185.42	0.002147	8.7
Reach 2	676303	50 - Year	66201	1159.66	1194.49		1195.28	0.001274	8.91
Reach 2	676303	100 - Year	78092	1159.66	1196.73		1197.6	0.001293	9.44
Reach 2	676303	500 - Year	117435	1159.66	1202.95		1204.03	0.001341	10.87
Reach 2	675915	2 - Year	2276	1159.74	1168.12		1168.44	0.004859	4.53
Reach 2	675915	5 - Year	17683	1159.74	1178.05		1178.71	0.00232	7.37
Reach 2	675915	10 - Year	33217	1159.74	1184.21		1184.7	0.001321	7.12
Reach 2	675915	50 - Year	66201	1159.74	1194.41		1194.82	0.000735	6.99
Reach 2	675915	100 - Year	78092	1159.74	1196.67		1197.12	0.00075	7.41
Reach 2	675915	500 - Year	117435	1159.74	1202.93		1203.48	0.000783	8.52
Reach 2	675492	2 - Year	2276	1156.18	1165.7		1166.06	0.006527	4.79
Reach 2	675492	5 - Year	17683	1156.18	1177.41		1177.95	0.001668	6.52
Reach 2	675492	10 - Year	33217	1156.18	1183.89		1184.33	0.001026	6.5
Reach 2	675492	50 - Year	66201	1156.18	1194.24		1194.63	0.000634	6.65

Reach 2	675492	100 - Year	78092	1156.18	1196.5		1196.93	0.000662	7.11
Reach 2	675492	500 - Year	117435	1156.18	1202.76		1203.29	0.000698	8.17
Reach 2	674942	2 - Year	2276	1146.66	1165.77		1165.79	0.000056	1.17
Reach 2	674942	5 - Year	17683	1146.66	1177.14		1177.47	0.000385	4.68
Reach 2	674942	10 - Year	33217	1146.66	1183.15		1183.84	0.000612	6.84
Reach 2	674942	50 - Year	66201	1146.66	1192.87		1194.03	0.000783	9.32
Reach 2	674942	100 - Year	78092	1146.66	1194.85		1196.24	0.000892	10.28
Reach 2	674942	500 - Year	117435	1146.66	1200.34		1202.38	0.001177	12.82
Reach 2	674563	2 - Year	2276	1159.1	1165.49		1165.68	0.001802	3.45
Reach 2	674563	5 - Year	17683	1159.1	1176.27		1177.07	0.001639	7.4
Reach 2	674563	10 - Year	33217	1159.1	1181.87		1183.25	0.001926	9.88
Reach 2	674563	50 - Year	66201	1159.1	1190.67		1193.16	0.002251	13.49
Reach 2	674563	100 - Year	78092	1159.1	1192.75		1195.37	0.002259	14.14
Reach 2	674563	500 - Year	117435	1159.1	1198.63		1201.53	0.002247	15.8
Reach 2	674193	2 - Year	2276	1156.01	1164.92		1165.08	0.001393	3.23
Reach 2	674193	5 - Year	17683	1156.01	1175.75		1176.39	0.001357	6.86
Reach 2	674193	10 - Year	33217	1156.01	1181.29		1182.36	0.001594	9.08
Reach 2	674193	50 - Year	66201	1156.01	1190.22		1191.61	0.001491	11.07
Reach 2	674193	100 - Year	78092	1156.01	1192.3		1193.79	0.001526	11.71
Reach 2	674193	500 - Year	117435	1156.01	1198.17		1199.92	0.001574	13.29
Reach 2	673636	2 - Year	2276	1151.34	1164.56		1164.66	0.000415	2.64
Reach 2	673636	5 - Year	17683	1151.34	1174.41		1175.48	0.001485	8.55
Reach 2	673636	10 - Year	33217	1151.34	1179.79		1181.33	0.001694	10.89
Reach 2	673636	50 - Year	66201	1151.34	1188.67		1190.62	0.001615	13.2
Reach 2	673636	100 - Year	78092	1151.34	1190.34		1192.67	0.001827	14.53
Reach 2	673636	500 - Year	117435	1151.34	1194.6		1198.29	0.002582	18.69
Reach 2	673205	2 - Year	2276	1153.34	1164.39		1164.49	0.000395	2.51
Reach 2	673205	5 - Year	17683	1153.34	1173.9		1174.79	0.001327	7.92
Reach 2	673205	10 - Year	33217	1153.34	1179.08		1180.59	0.001681	10.63
Reach 2	673205	50 - Year	66201	1153.34	1186.95		1189.62	0.002128	14.63
Reach 2	673205	100 - Year	78092	1153.34	1188.84		1191.67	0.002179	15.42
Reach 2	673205	500 - Year	117435	1153.34	1193.68		1197.09	0.002421	17.85
Reach 2	672738	2 - Year	2276	1160	1163.76		1164.01	0.004074	4.08
Reach 2	672738	5 - Year	17683	1160	1173.33		1173.95	0.001786	6.84
Reach 2	672738	10 - Year	33217	1160	1178.57		1179.52	0.001794	8.63
Reach 2	672738	50 - Year	66201	1160	1186.79		1188.1	0.001644	10.62
Reach 2	672738	100 - Year	78092	1160	1188.66		1190.12	0.001712	11.35
Reach 2	672738	500 - Year	117435	1160	1193.37		1195.43	0.002056	13.79
Reach 2	672299	2 - Year	2276	1154	1161.81		1162.15	0.004398	4.63
Reach 2	672299	5 - Year	17683	1154	1172.65		1173.15	0.002038	6.74

Reach 2	672299	10 - Year	33217	1154	1178.11		1178.71	0.001802	7.77
Reach 2	672299	50 - Year	66201	1154	1186.46		1187.3	0.001758	9.61
Reach 2	672299	100 - Year	78092	1154	1188.33		1189.29	0.001876	10.34
Reach 2	672299	500 - Year	117435	1154	1193		1194.39	0.002343	12.7
Reach 2	671993	2 - Year	2276	1152	1160.52		1160.86	0.004038	4.64
Reach 2	671993	5 - Year	17683	1152	1171.03		1172.22	0.004144	9.27
Reach 2	671993	10 - Year	33217	1152	1176.6		1177.9	0.003423	10.46
Reach 2	671993	50 - Year	66201	1152	1185.08		1186.56	0.002864	12.1
Reach 2	671993	100 - Year	78092	1152	1186.96		1188.52	0.002879	12.66
Reach 2	671993	500 - Year	117435	1152	1191.76		1193.55	0.00298	14.2
Reach 2	671731	2 - Year	2276	1150	1160.06		1160.22	0.001286	3.26
Reach 2	671731	5 - Year	17683	1150	1170.3		1171.3	0.002536	8.35
Reach 2	671731	10 - Year	33217	1150	1175.93		1177.14	0.002337	9.83
Reach 2	671731	50 - Year	66201	1150	1184.54		1185.91	0.002018	11.44
Reach 2	671731	100 - Year	78092	1150	1186.38		1187.88	0.00211	12.17
Reach 2	671731	500 - Year	117435	1150	1191.16		1192.89	0.002239	13.76
Reach 2	671343	2 - Year	2276	1150	1158.58		1159.07	0.00911	5.62
Reach 2	671343	5 - Year	17683	1150	1169.32		1170.23	0.002995	8.41
Reach 2	671343	10 - Year	33217	1150	1175.23		1176.19	0.002288	9.28
Reach 2	671343	50 - Year	66201	1150	1184.09		1185.08	0.001738	10.33
Reach 2	671343	100 - Year	78092	1150	1185.96		1187	0.001753	10.82
Reach 2	671343	500 - Year	117435	1150	1190.78		1191.94	0.001788	12.04
Reach 2	671065	2 - Year	2276	1148	1158.18		1158.31	0.001052	2.94
Reach 2	671065	5 - Year	17683	1148	1168.69		1169.56	0.002036	7.82
Reach 2	671065	10 - Year	33217	1148	1174.41		1175.59	0.002098	9.64
Reach 2	671065	50 - Year	66201	1148	1183.23		1184.58	0.001859	11.3
Reach 2	671065	100 - Year	78092	1148	1185.09		1186.5	0.001894	11.86
Reach 2	671065	500 - Year	117435	1148	1189.95		1191.45	0.001915	13.05
Reach 2	670714	2 - Year	2276	1149.64	1157.89		1158	0.000718	2.77
Reach 2	670714	5 - Year	17683	1149.64	1168.05		1168.91	0.001651	7.78
Reach 2	670714	10 - Year	33217	1149.64	1173.44		1174.85	0.001995	10.29
Reach 2	670714	50 - Year	66201	1149.64	1181.47		1183.77	0.002351	13.73
Reach 2	670714	100 - Year	78092	1149.64	1183.36		1185.69	0.002334	14.24
Reach 2	670714	500 - Year	117435	1149.64	1187.92		1190.57	0.002541	16.23
Reach 2	670448	2 - Year	2276	1148	1157.78		1157.86	0.000358	2.34
Reach 2	670448	5 - Year	17683	1148	1167.78		1168.53	0.001085	7.19
Reach 2	670448	10 - Year	33217	1148	1173.02		1174.39	0.001456	9.92
Reach 2	670448	50 - Year	66201	1148	1180.45		1183.14	0.00206	14.26
Reach 2	670448	100 - Year	78092	1148	1182.13		1185.03	0.002161	15.14
Reach 2	670448	500 - Year	117435	1148	1186.21		1189.8	0.002553	17.84

Reach 2	670091	2 - Year	2276	1148	1157.62		1157.72	0.000449	2.54
Reach 2	670091	5 - Year	17683	1148	1167.39		1168.12	0.00115	7.26
Reach 2	670091	10 - Year	33217	1148	1172.57		1173.81	0.001457	9.78
Reach 2	670091	50 - Year	66201	1148	1179.75		1182.34	0.002154	14.35
Reach 2	670091	100 - Year	78092	1148	1181.43		1184.18	0.002232	15.16
Reach 2	670091	500 - Year	117435	1148	1185.35		1188.82	0.002682	18
Reach 2	669587	2 - Year	2276	1148	1157.34		1157.44	0.000661	2.63
Reach 2	669587	5 - Year	17683	1148	1166.85		1167.51	0.001155	6.79
Reach 2	669587	10 - Year	33217	1148	1171.95		1173.02	0.001341	8.9
Reach 2	669587	50 - Year	66201	1148	1179.11		1181.06	0.001737	12.4
Reach 2	669587	100 - Year	78092	1148	1180.83		1182.82	0.00173	12.9
Reach 2	669587	500 - Year	117435	1148	1184.87		1187.1	0.001865	14.61
Reach 2	669126	2 - Year	2276	1149.37	1156.58		1156.83	0.003137	4
Reach 2	669126	5 - Year	17683	1149.37	1166.19		1166.79	0.00207	7.09
Reach 2	669126	10 - Year	33217	1149.37	1171.41		1172.16	0.001872	8.33
Reach 2	669126	50 - Year	66201	1149.37	1178.67		1179.82	0.00204	10.77
Reach 2	669126	100 - Year	78092	1149.37	1180.46		1181.59	0.001943	10.98
Reach 2	669126	500 - Year	117435	1149.37	1184.58		1185.77	0.001929	11.99
Reach 2	668802	2 - Year	2276	1148	1153.84		1154.86	0.014275	8.08
Reach 2	668802	5 - Year	17683	1148	1164.38		1165.74	0.005146	10.8
Reach 2	668802	10 - Year	33217	1148	1170.75		1171.51	0.002296	9.34
Reach 2	668802	50 - Year	66201	1148	1178.33		1179.13	0.001815	10.3
Reach 2	668802	100 - Year	78092	1148	1180.12		1180.92	0.001771	10.61
Reach 2	668802	500 - Year	117435	1148	1184.23		1185.11	0.001828	11.77
Reach 2	668532	2 - Year	2276	1146	1152.81		1153.09	0.003093	4.26
Reach 2	668532	5 - Year	17683	1146	1163.82		1164.75	0.00251	8.22
Reach 2	668532	10 - Year	33217	1146	1170.05		1171.02	0.001961	9.13
Reach 2	668532	50 - Year	66201	1146	1178		1178.8	0.001387	9.46
Reach 2	668532	100 - Year	78092	1146	1179.72		1180.58	0.001444	10.03
Reach 2	668532	500 - Year	117435	1146	1183.7		1184.73	0.001638	11.57
Reach 2	668199	2 - Year	2251	1146	1151.27		1151.7	0.005795	5.26
Reach 2	668199	5 - Year	17489	1146	1162.79		1163.86	0.002887	8.6
Reach 2	668199	10 - Year	32595	1146	1169.42		1170.41	0.001951	9.05
Reach 2	668199	50 - Year	65405	1146	1177.74		1178.39	0.001158	8.69
Reach 2	668199	100 - Year	77354	1146	1179.51		1180.16	0.001125	8.9
Reach 2	668199	500 - Year	116975	1146	1183.5		1184.26	0.00125	10.16
Reach 2	667764	2 - Year	2251	1142	1150.37		1150.59	0.001308	3.74
Reach 2	667764	5 - Year	17489	1142	1161.24		1162.62	0.002764	9.57
Reach 2	667764	10 - Year	32595	1142	1167.03		1169.28	0.003109	12.48
Reach 2	667764	50 - Year	65405	1142	1176.79		1177.89	0.001424	10.83
Reach 2	667764	100 - Year	77354	1142	1178.72		1179.71	0.001297	10.75

Reach 2	667764	500 - Year	116975	1142	1182.82		1183.82	0.001314	11.69
Reach 2	667337	2 - Year	2251	1138.19	1150.01		1150.16	0.000747	3.08
Reach 2	667337	5 - Year	17489	1138.19	1160.71		1161.66	0.001472	8
Reach 2	667337	10 - Year	32595	1138.19	1166.62		1168.15	0.001641	10.38
Reach 2	667337	50 - Year	65405	1138.19	1175.6		1177.3	0.001413	12.08
Reach 2	667337	100 - Year	77354	1138.19	1177.79		1179.21	0.001216	11.73
Reach 2	667337	500 - Year	116975	1138.19	1181.97		1183.34	0.001214	12.68
Reach 2	666966	2 - Year	2251	1140.06	1149.72		1149.86	0.000852	3.06
Reach 2	666966	5 - Year	17489	1140.06	1160.22		1161.11	0.001416	7.66
Reach 2	666966	10 - Year	32595	1140.06	1166.1		1167.53	0.00155	9.93
Reach 2	666966	50 - Year	65405	1140.06	1175.25		1176.78	0.001263	11.35
Reach 2	666966	100 - Year	77354	1140.06	1177.51		1178.77	0.001071	10.96
Reach 2	666966	500 - Year	116975	1140.06	1181.68		1182.92	0.001074	11.89
Reach 2	666532	2 - Year	2251	1141.38	1149.05		1149.29	0.002182	3.92
Reach 2	666532	5 - Year	17489	1141.38	1159.72		1160.47	0.001379	7.19
Reach 2	666532	10 - Year	32595	1141.38	1165.73		1166.83	0.001335	8.93
Reach 2	666532	50 - Year	65405	1141.38	1175.01		1176.23	0.001072	10.29
Reach 2	666532	100 - Year	77354	1141.38	1177.32		1178.32	0.000901	9.92
Reach 2	666532	500 - Year	116975	1141.38	1181.54		1182.49	0.000868	10.58
Reach 2	666278	2 - Year	2251	1141.02	1148.42		1148.65	0.002896	3.87
Reach 2	666278	5 - Year	17489	1141.02	1159.47		1160.1	0.00113	6.48
Reach 2	666278	10 - Year	32595	1141.02	1165.5		1166.45	0.001103	8.1
Reach 2	666278	50 - Year	65405	1141.02	1174.88		1175.89	0.000853	9.18
Reach 2	666278	100 - Year	77354	1141.02	1177.21		1178.05	0.000715	8.84
Reach 2	666278	500 - Year	116975	1141.02	1181.42		1182.25	0.00072	9.63
Reach 2	665916	2 - Year	2251	1139.11	1147.68		1147.87	0.001597	3.54
Reach 2	665916	5 - Year	17489	1139.11	1159.08		1159.7	0.00105	6.63
Reach 2	665916	10 - Year	32595	1139.11	1165.19		1166.01	0.00098	7.98
Reach 2	665916	50 - Year	65405	1139.11	1174.7		1175.5	0.000727	8.77
Reach 2	665916	100 - Year	77354	1139.11	1177.06		1177.72	0.000609	8.42
Reach 2	665916	500 - Year	116975	1139.11	1181.26		1181.93	0.000627	9.25
Reach 2	665545	2 - Year	2251	1139.24	1147.11		1147.3	0.001452	3.5
Reach 2	665545	5 - Year	17489	1139.24	1158.26		1159.17	0.00141	7.76
Reach 2	665545	10 - Year	32595	1139.24	1164.29		1165.49	0.001352	9.41
Reach 2	665545	50 - Year	65405	1139.24	1173.66		1175.03	0.001144	10.99
Reach 2	665545	100 - Year	77354	1139.24	1176.24		1177.35	0.000943	10.52
Reach 2	665545	500 - Year	116975	1139.24	1180.6		1181.62	0.0009	11.14
Reach 2	665326	2 - Year	2251	1138.32	1146.91		1147.05	0.000788	3.1
Reach 2	665326	5 - Year	17489	1138.32	1158.09		1158.8	0.001119	7.3
Reach 2	665326	10 - Year	32595	1138.32	1164		1165.19	0.001329	9.67

Reach 2	665326	50 - Year	65405	1138.32	1172.79		1174.62	0.001484	12.65
Reach 2	665326	100 - Year	77354	1138.32	1175.03		1176.88	0.001465	13.14
Reach 2	665326	500 - Year	116975	1138.32	1179.88		1181.28	0.001206	13.02
Reach 2	665186	2 - Year	2251	1137.22	1146.86		1146.94	0.00041	2.24
Reach 2	665186	5 - Year	17489	1137.22	1158.06		1158.58	0.00074	5.94
Reach 2	665186	10 - Year	32595	1137.22	1164.01		1164.89	0.000881	7.87
Reach 2	665186	50 - Year	65405	1137.22	1172.74		1174.32	0.001102	10.88
Reach 2	665186	100 - Year	77354	1137.22	1175.02		1176.55	0.001049	11.11
Reach 2	665186	500 - Year	116975	1137.22	1179.35		1181.03	0.001149	12.58
Reach 2	664860	2 - Year	2251	1136	1146.74		1146.82	0.000315	2.32
Reach 2	664860	5 - Year	17489	1136	1157.61		1158.27	0.000885	6.87
Reach 2	664860	10 - Year	32595	1136	1163.4		1164.5	0.001099	9.14
Reach 2	664860	50 - Year	65405	1136	1171.4		1173.68	0.001628	13.42
Reach 2	664860	100 - Year	77354	1136	1173.07		1175.76	0.00184	14.75
Reach 2	664860	500 - Year	116975	1136	1177.41		1180.22	0.001951	16.44
Reach 2	664659	2 - Year	2251	1135.38	1146.61		1146.72	0.000691	2.75
Reach 2	664659	5 - Year	17489	1135.38	1157.25		1158.02	0.00143	7.44
Reach 2	664659	10 - Year	32595	1135.38	1163.13		1164.25	0.001527	9.34
Reach 2	664659	50 - Year	65405	1135.38	1171.09		1173.26	0.002112	13.36
Reach 2	664659	100 - Year	77354	1135.38	1172.34		1175.27	0.002676	15.44
Reach 2	664659	500 - Year	116975	1135.38	1176.05	1165.95	1179.55	0.00319	18.11
Reach 2	664552	2 - Year	2251	1137.86	1146.53		1146.65	0.000708	2.77
Reach 2	664552	5 - Year	17489	1137.86	1157.16		1157.75	0.000969	6.56
Reach 2	664552	10 - Year	32595	1137.86	1163.05		1163.92	0.001013	8.24
Reach 2	664552	50 - Year	65405	1137.86	1171.02		1172.69	0.001357	11.71
Reach 2	664552	100 - Year	77354	1137.86	1172.21		1174.65	0.001814	13.89
Reach 2	664552	500 - Year	116975	1137.86	1175.99		1178.52	0.001931	15.46
Reach 2	664425	2 - Year	2251	1138.71	1146.27		1146.49	0.001562	3.8
Reach 2	664425	5 - Year	17489	1138.71	1156.8		1157.56	0.001429	7.72
Reach 2	664425	10 - Year	32595	1138.71	1162.74		1163.74	0.001335	9.26
Reach 2	664425	50 - Year	65405	1138.71	1170.82		1172.51	0.001606	12.57
Reach 2	664425	100 - Year	77354	1138.71	1172.01		1174.37	0.002083	14.69
Reach 2	664425	500 - Year	116975	1138.71	1175.93		1178.1	0.002008	15.63
Reach 2	664273	2 - Year	2251	1139.03	1146.02		1146.24	0.00168	3.83
Reach 2	664273	5 - Year	17489	1139.03	1156.67		1157.29	0.001205	7.08
Reach 2	664273	10 - Year	32595	1139.03	1162.61		1163.49	0.001205	8.79
Reach 2	664273	50 - Year	65405	1139.03	1170.98		1171.96	0.001039	10.18
Reach 2	664273	100 - Year	77354	1139.03	1172.42		1173.5	0.00113	10.95
Reach 2	664273	500 - Year	116975	1139.03	1176.01		1177.5	0.001472	13.44
Reach 2	664099	2 - Year	2251	1137.25	1145.73		1145.96	0.001551	3.86

Reach 2	664099	5 - Year	17489	1137.25	1156.23		1156.99	0.00177	8.05
Reach 2	664099	10 - Year	32595	1137.25	1162.34		1163.25	0.001586	9.4
Reach 2	664099	50 - Year	65405	1137.25	1170.85		1171.72	0.00125	10.31
Reach 2	664099	100 - Year	77354	1137.25	1172.29		1173.23	0.001329	10.96
Reach 2	664099	500 - Year	116975	1137.25	1176.02		1177.01	0.001427	12.21
Reach 2	663896	2 - Year	2251	1136.93	1145.02		1145.43	0.003853	5.15
Reach 2	663896	5 - Year	17489	1136.93	1155.54		1156.51	0.00252	8.99
Reach 2	663896	10 - Year	32595	1136.93	1161.97		1162.9	0.001798	9.63
Reach 2	663896	50 - Year	65405	1136.93	1170.74		1171.36	0.001042	9.21
Reach 2	663896	100 - Year	77354	1136.93	1172.18		1172.84	0.001103	9.77
Reach 2	663896	500 - Year	116975	1136.93	1175.88		1176.62	0.001206	10.99
Reach 2	663748	2 - Year	2251	1136.44	1144.78		1145.01	0.001437	3.82
Reach 2	663748	5 - Year	17489	1136.44	1155.16		1156.18	0.00179	8.72
Reach 2	663748	10 - Year	32595	1136.44	1161.63		1162.65	0.001347	9.51
Reach 2	663748	50 - Year	65405	1136.44	1170.52		1171.21	0.00081	9.23
Reach 2	663748	100 - Year	77354	1136.44	1172.02		1172.71	0.000814	9.54
Reach 2	663748	500 - Year	116975	1136.44	1175.68		1176.46	0.000925	10.92
Reach 2	663539	2 - Year	2251	1136.63	1144.33		1144.61	0.002423	4.26
Reach 2	663539	5 - Year	17489	1136.63	1154.96		1155.71	0.001497	7.68
Reach 2	663539	10 - Year	32595	1136.63	1161.5		1162.29	0.001125	8.47
Reach 2	663539	50 - Year	65405	1136.63	1170.43		1171.01	0.000712	8.5
Reach 2	663539	100 - Year	77354	1136.63	1171.93		1172.5	0.000706	8.74
Reach 2	663539	500 - Year	116975	1136.63	1175.58		1176.23	0.000796	9.98
Reach 2	663227	2 - Year	2251	1135.66	1144.02		1144.14	0.000765	2.73
Reach 2	663227	5 - Year	17489	1135.66	1154.71		1155.27	0.000924	6.31
Reach 2	663227	10 - Year	32595	1135.66	1161.31		1161.94	0.000755	7.19
Reach 2	663227	50 - Year	65405	1135.66	1170.32		1170.79	0.000489	7.25
Reach 2	663227	100 - Year	77354	1135.66	1171.82		1172.29	0.0005	7.55
Reach 2	663227	500 - Year	116975	1135.66	1175.45		1175.99	0.000566	8.62
Reach 2	662706	2 - Year	2251	1131.83	1143.57		1143.73	0.000729	3.21
Reach 2	662706	5 - Year	17489	1131.83	1152.78		1154.27	0.002378	10.11
Reach 2	662706	10 - Year	32595	1131.83	1158.44		1160.78	0.002675	13.08
Reach 2	662706	50 - Year	65405	1131.83	1166.64	1160.44	1169.58	0.002622	16.01
Reach 2	662706	100 - Year	77354	1131.83	1170.03		1171.58	0.001524	13.1
Reach 2	662706	500 - Year	116975	1131.83	1173.93		1175.33	0.001468	13.84
Reach 2	662323	2 - Year	2251	1132.5	1143.41		1143.48	0.000346	2.19
Reach 2	662323	5 - Year	17489	1132.5	1152.34		1153.03	0.001121	6.91
Reach 2	662323	10 - Year	32595	1132.5	1157.98		1159.17	0.001311	9.17
Reach 2	662323	50 - Year	65405	1132.5	1165.91	1154.1	1168.37	0.001811	13.3
Reach 2	662323	100 - Year	77354	1132.5	1168.7	1155.95	1170.76	0.001493	12.83
Reach 2	662323	500 - Year	116975	1132.5	1171.72		1174.17	0.001837	15.11

Reach 2	661986	2 - Year	2251	1132.93	1143.3		1143.37	0.000285	2.17
Reach 2	661986	5 - Year	17489	1132.93	1151.72		1152.57	0.001324	7.64
Reach 2	661986	10 - Year	32595	1132.93	1157.1		1158.59	0.00163	10.27
Reach 2	661986	50 - Year	65405	1132.93	1164.65	1154.69	1167.56	0.002231	14.68
Reach 2	661986	100 - Year	77354	1132.93	1166.45	1156.55	1169.76	0.002405	15.86
Reach 2	661986	500 - Year	116975	1132.93	1170.3		1173.33	0.002343	16.93
Reach 2	661704	2 - Year	2251	1131.63	1143.24		1143.3	0.000204	1.9
Reach 2	661704	5 - Year	17489	1131.63	1151.45		1152.17	0.001087	6.98
Reach 2	661704	10 - Year	32595	1131.63	1156.79		1158.06	0.001369	9.45
Reach 2	661704	50 - Year	65405	1131.63	1164.06	1153.33	1166.93	0.002109	14.23
Reach 2	661704	100 - Year	77354	1131.63	1165.92	1155.3	1169.01	0.00219	15.11
Reach 2	661704	500 - Year	116975	1131.63	1169.72		1172.64	0.002184	16.3
Reach 2	661449	2 - Year	2251	1130.72	1143.2		1143.25	0.000183	1.82
Reach 2	661449	5 - Year	17489	1130.72	1151.2		1151.88	0.001035	6.77
Reach 2	661449	10 - Year	32595	1130.72	1156.49		1157.68	0.001302	9.16
Reach 2	661449	50 - Year	65405	1130.72	1163.83		1166.18	0.001819	13.17
Reach 2	661449	100 - Year	77354	1130.72	1165.5	1154.65	1168.35	0.002077	14.6
Reach 2	661449	500 - Year	116975	1130.72	1169.26		1172.04	0.002117	15.93
Reach 2	661196	2 - Year	2251	1132.35	1143.15		1143.2	0.000186	1.74
Reach 2	661196	5 - Year	17489	1132.35	1150.97		1151.59	0.000995	6.44
Reach 2	661196	10 - Year	32595	1132.35	1156.21		1157.32	0.001236	8.72
Reach 2	661196	50 - Year	65405	1132.35	1163.53	1152.07	1165.61	0.001639	12.28
Reach 2	661196	100 - Year	77354	1132.35	1165.21	1153.98	1167.66	0.001823	13.46
Reach 2	661196	500 - Year	116975	1132.35	1169		1171.33	0.001811	14.53
Reach 2	660680	2 - Year	2251	1130.97	1143.04		1143.09	0.000236	1.86
Reach 2	660680	5 - Year	17489	1130.97	1150.38		1151.03	0.001177	6.67
Reach 2	660680	10 - Year	32595	1130.97	1155.55		1156.65	0.001369	8.82
Reach 2	660680	50 - Year	65405	1130.97	1162.85		1164.64	0.001601	11.79
Reach 2	660680	100 - Year	77354	1130.97	1164.39	1153.78	1166.61	0.001854	13.16
Reach 2	660680	500 - Year	116975	1130.97	1168.61		1170.11	0.001405	12.57
Reach 2	660198	2 - Year	2437	1128.82	1142.95		1142.99	0.000165	1.62
Reach 2	660198	5 - Year	18938	1128.82	1149.79		1150.43	0.001289	6.63
Reach 2	660198	10 - Year	35243	1128.82	1154.64		1155.87	0.001761	9.27
Reach 2	660198	50 - Year	71083	1128.82	1162.75		1163.54	0.001059	8.98
Reach 2	660198	100 - Year	84314	1128.82	1164.56		1165.25	0.000952	8.87
Reach 2	660198	500 - Year	125545	1128.82	1168.63		1169.16	0.000781	8.74
Reach 2	659597	2 - Year	2437	1135.63	1142.16		1142.57	0.008977	5.8
Reach 2	659597	5 - Year	18938	1135.63	1148.56		1149.14	0.004275	7.96
Reach 2	659597	10 - Year	35243	1135.63	1153.64		1154.27	0.002865	8.64
Reach 2	659597	50 - Year	71083	1135.63	1162.3		1162.64	0.001302	7.92

Reach 2	659597	100 - Year	84314	1135.63	1164.08		1164.43	0.001358	8.5
Reach 2	659597	500 - Year	125545	1135.63	1168.31		1168.55	0.000843	7.42
Reach 2	659127	2 - Year	2437	1132.47	1139.47		1139.69	0.004824	4.38
Reach 2	659127	5 - Year	18938	1132.47	1147.44		1147.77	0.002255	6.36
Reach 2	659127	10 - Year	35243	1132.47	1153.03		1153.33	0.00133	6.4
Reach 2	659127	50 - Year	71083	1132.47	1161.86		1162.13	0.00093	7.09
Reach 2	659127	100 - Year	84314	1132.47	1163.67		1163.92	0.000845	7.07
Reach 2	659127	500 - Year	125545	1132.47	1167.97		1168.21	0.000733	7.25
Reach 2	658492	2 - Year	2437	1129.5	1136.4		1136.67	0.004904	4.61
Reach 2	658492	5 - Year	18938	1129.5	1146.64		1146.84	0.000975	4.69
Reach 2	658492	10 - Year	35243	1129.5	1152.47		1152.71	0.000764	5.3
Reach 2	658492	50 - Year	71083	1129.5	1161.33		1161.64	0.000706	6.56
Reach 2	658492	100 - Year	84314	1129.5	1163.16		1163.47	0.000677	6.7
Reach 2	658492	500 - Year	125545	1129.5	1167.47		1167.79	0.00067	7.3
Reach 2	658049	2 - Year	2437	1123.86	1135.52		1135.62	0.001219	2.53
Reach 2	658049	5 - Year	18938	1123.86	1145.86		1146.3	0.001217	5.54
Reach 2	658049	10 - Year	35243	1123.86	1151.53		1152.19	0.001231	6.92
Reach 2	658049	50 - Year	71083	1123.86	1160.18		1161.09	0.001212	8.68
Reach 2	658049	100 - Year	84314	1123.86	1162.19		1162.98	0.001072	8.54
Reach 2	658049	500 - Year	125545	1123.86	1166.64		1167.36	0.000968	8.86
Reach 2	657678	2 - Year	2437	1120.65	1135.39		1135.44	0.000216	1.7
Reach 2	657678	5 - Year	18938	1120.65	1145.35		1145.87	0.001012	5.95
Reach 2	657678	10 - Year	35243	1120.65	1150.65		1151.62	0.001391	8.23
Reach 2	657678	50 - Year	71083	1120.65	1158.63		1160.33	0.001828	11.41
Reach 2	657678	100 - Year	84314	1120.65	1160.78		1162.3	0.001664	11.36
Reach 2	657678	500 - Year	125545	1120.65	1165.93		1166.91	0.001178	10.5
Reach 2	657346	2 - Year	2437	1121.13	1135.29		1135.34	0.000357	1.91
Reach 2	657346	5 - Year	18938	1121.13	1145.01		1145.51	0.001117	5.83
Reach 2	657346	10 - Year	35243	1121.13	1150.24		1151.1	0.001407	7.84
Reach 2	657346	50 - Year	71083	1121.13	1158.04		1159.69	0.001903	11.16
Reach 2	657346	100 - Year	84314	1121.13	1160.29		1161.7	0.001643	10.89
Reach 2	657346	500 - Year	125545	1121.13	1165.61		1166.49	0.001104	9.89
Reach 2	657027	2 - Year	2437	1121.74	1135.21		1135.25	0.000217	1.64
Reach 2	657027	5 - Year	18938	1121.74	1144.66		1145.17	0.001016	5.77
Reach 2	657027	10 - Year	35243	1121.74	1149.68		1150.64	0.001429	8.09
Reach 2	657027	50 - Year	71083	1121.74	1157.28		1158.92	0.001819	11.06
Reach 2	657027	100 - Year	84314	1121.74	1159.41		1161.13	0.001834	11.62
Reach 2	657027	500 - Year	125545	1121.74	1164.86		1166.08	0.001362	11.11
Reach 2	656788	2 - Year	2437	1126	1135.1		1135.17	0.000503	2.21
Reach 2	656788	5 - Year	18938	1126	1144.03		1144.82	0.001854	7.26

Reach 2	656788	10 - Year	35243	1126	1148.84		1150.18	0.002333	9.71
Reach 2	656788	50 - Year	71083	1126	1156.34		1158.37	0.002634	12.68
Reach 2	656788	100 - Year	84314	1126	1158.53		1160.58	0.002564	13.15
Reach 2	656788	500 - Year	125545	1126	1164.57		1165.71	0.001512	11.39
Reach 2	656385	2 - Year	2437	1130.21	1133.13	1133.13	1134.22	0.034895	8.4
Reach 2	656385	5 - Year	18938	1130.21	1142.89		1143.78	0.003706	8.42
Reach 2	656385	10 - Year	35243	1130.21	1148.09		1148.98	0.002615	9.04
Reach 2	656385	50 - Year	71083	1130.21	1156.21		1156.92	0.0016	9.19
Reach 2	656385	100 - Year	84314	1130.21	1158.57		1159.16	0.001294	8.78
Reach 2	656385	500 - Year	125545	1130.21	1164.47		1164.91	0.000923	8.45
Reach 2	656028	2 - Year	2428	1121.44	1131.64		1131.81	0.001821	3.28
Reach 2	656028	5 - Year	18867	1121.44	1142.36		1142.9	0.001493	6.42
Reach 2	656028	10 - Year	35027	1121.44	1147.66		1148.32	0.001403	7.57
Reach 2	656028	50 - Year	70813	1121.44	1155.32		1156.35	0.001601	9.97
Reach 2	656028	100 - Year	84100	1121.44	1157.64		1158.63	0.001477	10.09
Reach 2	656028	500 - Year	125213	1121.44	1162.4		1164.11	0.002129	13.33
Reach 2	655678	2 - Year	2428	1118.47	1131.25		1131.37	0.000835	2.81
Reach 2	655678	5 - Year	18867	1118.47	1141.26		1142.18	0.002186	7.91
Reach 2	655678	10 - Year	35027	1118.47	1146.16		1147.51	0.002485	10.08
Reach 2	655678	50 - Year	70813	1118.47	1153.43		1155.42	0.002781	13.01
Reach 2	655678	100 - Year	84100	1118.47	1155.39		1157.63	0.002957	14.03
Reach 2	655678	500 - Year	125213	1118.47	1160.96		1163.22	0.002691	14.98
Reach 2	655187	2 - Year	2428	1118.67	1130.64		1130.79	0.001771	3.11
Reach 2	655187	5 - Year	18867	1118.67	1140.58		1141.22	0.001485	6.55
Reach 2	655187	10 - Year	35027	1118.67	1145.25		1146.4	0.001857	8.89
Reach 2	655187	50 - Year	70813	1118.67	1152.06		1154.14	0.002363	12.35
Reach 2	655187	100 - Year	84100	1118.67	1153.87		1156.27	0.002528	13.37
Reach 2	655187	500 - Year	125213	1118.67	1158.6		1161.76	0.002863	15.84
Reach 2	654970	2 - Year	2428	1117.23	1130.45		1130.53	0.000753	2.33
Reach 2	654970	5 - Year	18867	1117.23	1140.41		1140.91	0.001049	5.75
Reach 2	654970	10 - Year	35027	1117.23	1145.06		1145.99	0.001391	7.94
Reach 2	654970	50 - Year	70813	1117.23	1151.83		1153.59	0.001871	11.23
Reach 2	654970	100 - Year	84100	1117.23	1153.56		1155.69	0.002101	12.42
Reach 2	654970	500 - Year	125213	1117.23	1158.31		1161.08	0.002376	14.67
Reach 2	654689	2 - Year	2428	1121.98	1130.25		1130.34	0.000627	2.34
Reach 2	654689	5 - Year	18867	1121.98	1139.99		1140.58	0.0012	6.33
Reach 2	654689	10 - Year	35027	1121.98	1144.46		1145.55	0.001626	8.74
Reach 2	654689	50 - Year	70813	1121.98	1151		1153	0.002191	12.27
Reach 2	654689	100 - Year	84100	1121.98	1152.69		1155.04	0.002418	13.43
Reach 2	654689	500 - Year	125213	1121.98	1157.25		1160.33	0.002785	15.93

Reach 2	654396	2 - Year	2428	1124.42	1128.78	1128.61	1129.71	0.02273	7.76
Reach 2	654396	5 - Year	18867	1124.42	1139.24		1140.07	0.00248	7.84
Reach 2	654396	10 - Year	35027	1124.42	1143.69		1144.94	0.002622	9.92
Reach 2	654396	50 - Year	70813	1124.42	1150.18		1152.24	0.003046	13.3
Reach 2	654396	100 - Year	84100	1124.42	1151.96		1154.21	0.003105	14.11
Reach 2	654396	500 - Year	125213	1124.42	1156.22		1159.39	0.003734	17.19
Reach 2	653886	2 - Year	2428	1120	1127.84	1123.42	1127.97	0.000956	2.85
Reach 2	653886	5 - Year	18867	1120	1138.46	1130.31	1139.09	0.001303	6.46
Reach 2	653886	10 - Year	35027	1120	1142.63	1133.87	1143.83	0.001847	9.07
Reach 2	653886	50 - Year	70813	1120	1148.45	1140.01	1150.76	0.002668	13.01
Reach 2	653886	100 - Year	84100	1120	1150.36	1142.18	1152.87	0.002727	13.82
Reach 2	653886	500 - Year	125213	1120	1155.29	1148.19	1157.51	0.002323	14.27
Reach 2	653370	2 - Year	2428	1110.32	1127.76	1114.27	1127.78	0.000079	1.19
Reach 2	653370	5 - Year	18867	1110.32	1138.12	1122.33	1138.45	0.000524	4.69
Reach 2	653370	10 - Year	35027	1110.32	1142.06	1126.85	1142.79	0.000957	7.08
Reach 2	653370	50 - Year	70813	1110.32	1147.52	1133.55	1149.08	0.001705	10.76
Reach 2	653370	100 - Year	84100	1110.32	1149.37	1135.75	1151.14	0.001855	11.66
Reach 2	653370	500 - Year	125213	1110.32	1154.68	1143.06	1155.76	0.001255	10.6
Reach 2	652765	2 - Year	2436	1116.95	1127.58		1127.66	0.000568	2.3
Reach 2	652765	5 - Year	18930	1116.95	1137.16		1137.84	0.001596	6.87
Reach 2	652765	10 - Year	35046	1116.95	1140.93		1141.94	0.002035	8.91
Reach 2	652765	50 - Year	71092	1116.95	1146.65		1147.88	0.002179	10.9
Reach 2	652765	100 - Year	84504	1116.95	1148.52		1149.83	0.002214	11.52
Reach 2	652765	500 - Year	125697	1116.95	1153.96		1154.99	0.001649	11.2
Reach 2	652053	2 - Year	2436	1120.08	1124.66	1124.66	1126.02	0.032407	9.35
Reach 2	652053	5 - Year	18930	1120.08	1134.75		1135.95	0.004942	9.38
Reach 2	652053	10 - Year	35046	1120.08	1139.34		1140.4	0.003354	9.74
Reach 2	652053	50 - Year	71092	1120.08	1145.76		1146.6	0.002192	9.91
Reach 2	652053	100 - Year	84504	1120.08	1147.75		1148.57	0.001988	10
Reach 2	652053	500 - Year	125697	1120.08	1153.5		1154.13	0.001328	9.43
Reach 2	651126	2 - Year	2436	1111.08	1120.86		1121.03	0.001238	3.32
Reach 2	651126	5 - Year	18930	1111.08	1131.82		1132.76	0.002581	7.95
Reach 2	651126	10 - Year	35046	1111.08	1136.7		1137.95	0.002613	9.72
Reach 2	651126	50 - Year	71092	1111.08	1143.64		1144.93	0.002251	11.07
Reach 2	651126	100 - Year	84504	1111.08	1146.11		1147.22	0.001875	10.72
Reach 2	651126	500 - Year	125697	1111.08	1152.47		1153.3	0.001282	10.13
Reach 2	650581	2 - Year	2436	1108.75	1119.91		1120.17	0.001941	4.1
Reach 2	650581	5 - Year	18930	1108.75	1129.51		1130.89	0.004296	9.93
Reach 2	650581	10 - Year	35046	1108.75	1134.42		1136.14	0.00411	11.87
Reach 2	650581	50 - Year	71092	1108.75	1142.59		1143.77	0.002332	11.37
Reach 2	650581	100 - Year	84504	1108.75	1145.07		1146.24	0.002145	11.56

Reach 2	650581	500 - Year	125697	1108.75	1151.5		1152.54	0.001664	11.61
Reach 2	650271	2 - Year	2436	1109.97	1119.3		1119.5	0.002207	3.58
Reach 2	650271	5 - Year	18930	1109.97	1128.91		1129.63	0.002356	7.02
Reach 2	650271	10 - Year	35046	1109.97	1133.9		1134.93	0.002288	8.65
Reach 2	650271	50 - Year	71092	1109.97	1142.16		1143.19	0.001647	9.5
Reach 2	650271	100 - Year	84504	1109.97	1144.64		1145.74	0.001601	9.95
Reach 2	650271	500 - Year	125697	1109.97	1151		1152.14	0.001397	10.65
Reach 2	649916	2 - Year	2436	1106.34	1119.12		1119.19	0.000325	2.05
Reach 2	649916	5 - Year	18930	1106.34	1128.31		1129.01	0.001314	6.78
Reach 2	649916	10 - Year	35046	1106.34	1133.04		1134.21	0.001667	9.07
Reach 2	649916	50 - Year	71092	1106.34	1140.49		1142.33	0.001947	12.01
Reach 2	649916	100 - Year	84504	1106.34	1142.79		1144.83	0.002006	12.84
Reach 2	649916	500 - Year	125697	1106.34	1149.03		1151.26	0.001898	14.13
Reach 2	649601	2 - Year	2436	1104.33	1119		1119.07	0.000418	2.12
Reach 2	649601	5 - Year	18930	1104.33	1127.95		1128.55	0.001267	6.35
Reach 2	649601	10 - Year	35046	1104.33	1132.61		1133.63	0.001579	8.49
Reach 2	649601	50 - Year	71092	1104.33	1139.98		1141.66	0.001856	11.38
Reach 2	649601	100 - Year	84504	1104.33	1142.08		1144.18	0.002093	12.7
Reach 2	649601	500 - Year	125697	1104.33	1148.05		1150.55	0.002108	14.43
Reach 2	649322	2 - Year	2436	1103.45	1118.87		1118.95	0.000451	2.3
Reach 2	649322	5 - Year	18930	1103.45	1127.61		1128.18	0.001263	6.57
Reach 2	649322	10 - Year	35046	1103.45	1132.21		1133.14	0.00158	8.71
Reach 2	649322	50 - Year	71092	1103.45	1139.55		1141.05	0.001849	11.56
Reach 2	649322	100 - Year	84504	1103.45	1141.77		1143.38	0.001853	12.18
Reach 2	649322	500 - Year	125697	1103.45	1147.75		1149.74	0.00194	14.07
Reach 2	649016	2 - Year	2436	1102.83	1118.8		1118.85	0.000185	1.77
Reach 2	649016	5 - Year	18930	1102.83	1127.28		1127.83	0.000993	6.31
Reach 2	649016	10 - Year	35046	1102.83	1131.64		1132.66	0.001451	8.83
Reach 2	649016	50 - Year	71092	1102.83	1138.39		1140.39	0.002131	12.76
Reach 2	649016	100 - Year	84504	1102.83	1140.49		1142.7	0.002215	13.64
Reach 2	649016	500 - Year	125697	1102.83	1146.52		1149.05	0.002203	15.31
Reach 2	648606	2 - Year	2436	1112	1118.61		1118.71	0.00074	2.53
Reach 2	648606	5 - Year	18930	1112	1126.42		1127.24	0.002034	7.53
Reach 2	648606	10 - Year	35046	1112	1130.42		1131.84	0.002616	10.17
Reach 2	648606	50 - Year	71092	1112	1137.03		1139.34	0.00301	13.53
Reach 2	648606	100 - Year	84504	1112	1139.04		1141.61	0.003079	14.44
Reach 2	648606	500 - Year	125697	1112	1145.16		1148.02	0.002814	15.89
Reach 2	648272	2 - Year	2436	1110.04	1118.45		1118.51	0.000428	1.93
Reach 2	648272	5 - Year	18930	1110.04	1126.01		1126.55	0.001368	6.11
Reach 2	648272	10 - Year	35046	1110.04	1129.92		1130.91	0.001807	8.36

Reach 2	648272	50 - Year	71092	1110.04	1136.49		1138.2	0.002153	11.34
Reach 2	648272	100 - Year	84504	1110.04	1138.5		1140.43	0.002228	12.18
Reach 2	648272	500 - Year	125697	1110.04	1144.77		1146.86	0.001965	13.23
Reach 2	647872	2 - Year	2436	1109.24	1118.26		1118.33	0.000442	2.16
Reach 2	647872	5 - Year	18930	1109.24	1125.17		1125.9	0.00191	7.3
Reach 2	647872	10 - Year	35046	1109.24	1128.96		1130.09	0.002317	9.5
Reach 2	647872	50 - Year	71092	1109.24	1135.64		1137.29	0.002432	12.11
Reach 2	647872	100 - Year	84504	1109.24	1137.73		1139.48	0.002395	12.71
Reach 2	647872	500 - Year	125697	1109.24	1144.5		1145.98	0.001706	12.53
Reach 2	647469	2 - Year	2436	1114	1117.88		1118	0.0019	2.79
Reach 2	647469	5 - Year	18930	1114	1124.29		1124.93	0.002955	6.84
Reach 2	647469	10 - Year	35046	1114	1128.11		1129	0.002848	8.32
Reach 2	647469	50 - Year	71092	1114	1134.96		1136.18	0.002492	10.17
Reach 2	647469	100 - Year	84504	1114	1137.05		1138.39	0.002457	10.77
Reach 2	647469	500 - Year	125697	1114	1143.89		1145.23	0.00189	11.25
Reach 2	647114	2 - Year	2436	1109.96	1116.73		1116.94	0.005515	3.97
Reach 2	647114	5 - Year	18930	1109.96	1123.37		1123.82	0.003267	6.47
Reach 2	647114	10 - Year	35046	1109.96	1127.28		1127.93	0.003049	7.82
Reach 2	647114	50 - Year	71092	1109.96	1134.32		1135.23	0.002632	9.57
Reach 2	647114	100 - Year	84504	1109.96	1136.45		1137.44	0.00257	10.09
Reach 2	647114	500 - Year	125697	1109.96	1143.18		1144.44	0.002644	12.16
Reach 2	646718	2 - Year	2436	1105.21	1115.49		1115.64	0.00217	3.1
Reach 2	646718	5 - Year	18930	1105.21	1122.04		1122.61	0.003186	6.87
Reach 2	646718	10 - Year	35046	1105.21	1125.98		1126.77	0.003137	8.36
Reach 2	646718	50 - Year	71092	1105.21	1133.19		1134.23	0.002658	10.01
Reach 2	646718	100 - Year	84504	1105.21	1135.36		1136.48	0.002578	10.49
Reach 2	646718	500 - Year	125697	1105.21	1141.92		1143.42	0.00273	12.66
Reach 2	646509	2 - Year	2426	1106.39	1115.07		1115.21	0.001915	3.11
Reach 2	646509	5 - Year	18848	1106.39	1121.03		1121.76	0.004291	7.93
Reach 2	646509	10 - Year	34718	1106.39	1125.29		1126.06	0.003223	8.57
Reach 2	646509	50 - Year	70899	1106.39	1132.72		1133.6	0.00239	9.63
Reach 2	646509	100 - Year	84362	1106.39	1134.9		1135.86	0.002346	10.15
Reach 2	646509	500 - Year	125215	1106.39	1140.3	1128.11	1142.6	0.004281	15.63
Reach 2	646447	2 - Year	2426	1107.26	1114.81	1112.26	1115.03	0.003318	3.82
Reach 2	646447	5 - Year	18848	1107.26	1120.16	1118.61	1121.26	0.007464	9.73
Reach 2	646447	10 - Year	34718	1107.26	1124.84	1120.88	1125.75	0.004196	9.47
Reach 2	646447	50 - Year	70899	1107.26	1132.43	1124.48	1133.38	0.002794	10.24
Reach 2	646447	100 - Year	84362	1107.26	1134.61	1125.6	1135.64	0.002759	10.84
Reach 2	646447	500 - Year	125215	1107.26	1140.36	1128.41	1141.23	0.002252	11.29
Reach 2	646410		Culvert						

Reach 2	646363	2 - Year	2426	1106.86	1112.13		1112.44	0.006956	4.41
Reach 2	646363	5 - Year	18848	1106.86	1120.39		1121.05	0.003403	7.25
Reach 2	646363	10 - Year	34718	1106.86	1124.8		1125.52	0.002663	7.99
Reach 2	646363	50 - Year	70899	1106.86	1132.27		1133.12	0.002082	9.15
Reach 2	646363	100 - Year	84362	1106.86	1134.43		1135.36	0.002069	9.67
Reach 2	646363	500 - Year	125215	1106.86	1140.24		1141.12	0.001839	10.46
Reach 2	646197	2 - Year	2426	1101.95	1111.29		1111.53	0.003984	3.98
Reach 2	646197	5 - Year	18848	1101.95	1119.87		1120.48	0.002864	7.16
Reach 2	646197	10 - Year	34718	1101.95	1124.25		1125.03	0.002661	8.41
Reach 2	646197	50 - Year	70899	1101.95	1131.38		1132.55	0.002734	10.75
Reach 2	646197	100 - Year	84362	1101.95	1133.44		1134.75	0.002833	11.56
Reach 2	646197	500 - Year	125215	1101.95	1138.07		1140.11	0.003822	14.96
Reach 2	645920	2 - Year	2426	1099.59	1111.05		1111.12	0.000561	2.23
Reach 2	645920	5 - Year	18848	1099.59	1119.2		1119.82	0.002001	6.88
Reach 2	645920	10 - Year	34718	1099.59	1123.27		1124.25	0.002493	8.96
Reach 2	645920	50 - Year	70899	1099.59	1129.89		1131.58	0.003177	12.26
Reach 2	645920	100 - Year	84362	1099.59	1131.79		1133.71	0.003379	13.24
Reach 2	645920	500 - Year	125215	1099.59	1135.83	1126.73	1138.71	0.004475	16.66
Reach 2	645599	2 - Year	2426	1099.75	1110.82		1110.91	0.000742	2.47
Reach 2	645599	5 - Year	18848	1099.75	1118.6		1119.19	0.001879	6.75
Reach 2	645599	10 - Year	34718	1099.75	1122.56		1123.47	0.002256	8.74
Reach 2	645599	50 - Year	70899	1099.75	1128.99		1130.59	0.002823	11.99
Reach 2	645599	100 - Year	84362	1099.75	1130.85		1132.67	0.002975	12.93
Reach 2	645599	500 - Year	125215	1099.75	1135.54		1137.78	0.003162	14.88
Reach 2	645247	2 - Year	2426	1099.75	1110.61		1110.7	0.000504	2.43
Reach 2	645247	5 - Year	18848	1099.75	1117.71		1118.5	0.00205	7.82
Reach 2	645247	10 - Year	34718	1099.75	1121.28		1122.61	0.002718	10.47
Reach 2	645247	50 - Year	70899	1099.75	1127.13		1129.48	0.003576	14.53
Reach 2	645247	100 - Year	84362	1099.75	1128.96		1131.51	0.003641	15.42
Reach 2	645247	500 - Year	125215	1099.75	1133.93	1127.73	1136.67	0.003427	16.85
Reach 2	644853	2 - Year	2426	1098.56	1110.47		1110.54	0.000303	2.12
Reach 2	644853	5 - Year	18848	1098.56	1116.73		1117.66	0.002209	8.3
Reach 2	644853	10 - Year	34718	1098.56	1119.65		1121.38	0.003459	11.73
Reach 2	644853	50 - Year	70899	1098.56	1124.8		1127.82	0.004741	16.31
Reach 2	644853	100 - Year	84362	1098.56	1126.65		1129.85	0.004714	17.14
Reach 2	644853	500 - Year	125215	1098.56	1132.8		1135.31	0.003278	16.59
Reach 2	644570	2 - Year	2426	1098.73	1110.38		1110.45	0.000369	2.12
Reach 2	644570	5 - Year	18848	1098.73	1116.12		1116.96	0.002399	7.98
Reach 2	644570	10 - Year	34718	1098.73	1118.92		1120.23	0.003214	10.52
Reach 2	644570	50 - Year	70899	1098.73	1124.31		1126.1	0.003366	13.1

Reach 2	644570	100 - Year	84362	1098.73	1126.14		1128.12	0.003446	14.01
Reach 2	644570	500 - Year	125215	1098.73	1132.09		1134.26	0.00307	15.42
Reach 2	644188	2 - Year	2426	1102.96	1109.74		1110.06	0.006376	4.6
Reach 2	644188	5 - Year	18848	1102.96	1114.53		1115.46	0.007424	9.22
Reach 2	644188	10 - Year	34718	1102.96	1117.16		1118.44	0.00733	11.09
Reach 2	644188	50 - Year	70899	1102.96	1122.78		1124.41	0.005654	12.95
Reach 2	644188	100 - Year	84362	1102.96	1124.7		1126.43	0.005328	13.55
Reach 2	644188	500 - Year	125215	1102.96	1130.01	1121.95	1132.48	0.005738	16.7
Reach 2	643562	2 - Year	2426	1098.24	1104.9		1105.3	0.009241	5.08
Reach 2	643562	5 - Year	18848	1098.24	1110.77		1111.53	0.005448	7.72
Reach 2	643562	10 - Year	34718	1098.24	1114.33		1115.15	0.003815	8.33
Reach 2	643562	50 - Year	70899	1098.24	1121.02		1122	0.002522	9.26
Reach 2	643562	100 - Year	84362	1098.24	1123.06		1124.13	0.002417	9.74
Reach 2	643562	500 - Year	125215	1098.24	1128.45		1129.88	0.002576	11.8
Reach 2	642957	2 - Year	2426	1096.59	1101.64		1101.83	0.003762	3.5
Reach 2	642957	5 - Year	18848	1096.59	1108.08		1108.81	0.003941	6.98
Reach 2	642957	10 - Year	34718	1096.59	1112.19		1113.14	0.003145	8.14
Reach 2	642957	50 - Year	70899	1096.59	1119.09		1120.48	0.002659	10.04
Reach 2	642957	100 - Year	84362	1096.59	1121.07		1122.64	0.002658	10.71
Reach 2	642957	500 - Year	125215	1096.59	1125.79	1115.78	1128.17	0.003142	13.3
Reach 2	642517	2 - Year	2426	1095.02	1098.83		1099.13	0.011396	4.41
Reach 2	642517	5 - Year	18848	1095.02	1106.98		1107.44	0.002099	5.51
Reach 2	642517	10 - Year	34718	1095.02	1111.23		1111.94	0.00196	6.83
Reach 2	642517	50 - Year	70899	1095.02	1118.23		1119.38	0.001908	8.87
Reach 2	642517	100 - Year	84362	1095.02	1120.16		1121.52	0.002	9.65
Reach 2	642517	500 - Year	125215	1095.02	1125.06		1126.72	0.001999	10.99
Reach 2	642087	2 - Year	2426	1090.68	1097.57		1097.68	0.001454	2.66
Reach 2	642087	5 - Year	18848	1090.68	1106.16		1106.62	0.001736	5.49
Reach 2	642087	10 - Year	34718	1090.68	1110.4		1111.12	0.001808	6.98
Reach 2	642087	50 - Year	70899	1090.68	1117.36		1118.55	0.001889	9.2
Reach 2	642087	100 - Year	84362	1090.68	1119.32		1120.66	0.001931	9.85
Reach 2	642087	500 - Year	125215	1090.68	1124.21		1125.85	0.001974	11.27
Reach 2	641658	2 - Year	2426	1087.55	1097.06		1097.15	0.001008	2.33
Reach 2	641658	5 - Year	18848	1087.55	1105.45		1105.9	0.0016	5.37
Reach 2	641658	10 - Year	34718	1087.55	1109.54		1110.32	0.001855	7.12
Reach 2	641658	50 - Year	70899	1087.55	1116.18		1117.61	0.002175	9.81
Reach 2	641658	100 - Year	84362	1087.55	1118.03		1119.67	0.002271	10.59
Reach 2	641658	500 - Year	125215	1087.55	1122.59		1124.75	0.002497	12.48
Reach 2	641224	2 - Year	2462	1085.7	1096.49		1096.6	0.001511	2.7
Reach 2	641224	5 - Year	19129	1085.7	1104.72		1105.17	0.001771	5.5

Reach 2	641224	10 - Year	35028	1085.7	1108.9		1109.39	0.001427	6.16
Reach 2	641224	50 - Year	72041	1085.7	1115.71		1116.24	0.001104	6.96
Reach 2	641224	100 - Year	85952	1085.7	1117.6		1118.16	0.00108	7.28
Reach 2	641224	500 - Year	127126	1085.7	1122.22		1122.89	0.001073	8.17
Reach 2	640652	2 - Year	2462	1088	1095.61		1095.72	0.001566	2.69
Reach 2	640652	5 - Year	19129	1088	1103.45		1104	0.002225	5.98
Reach 2	640652	10 - Year	35028	1088	1107.37		1108.24	0.002341	7.62
Reach 2	640652	50 - Year	72041	1088	1114.1		1115.22	0.002028	9.19
Reach 2	640652	100 - Year	85952	1088	1115.94		1117.14	0.002011	9.69
Reach 2	640652	500 - Year	127126	1088	1120.08		1121.73	0.002284	11.54
Reach 2	640236	2 - Year	2461	1090	1093.93		1094.36	0.009785	5.27
Reach 2	640236	5 - Year	19122	1090	1102.36		1102.94	0.002949	6.2
Reach 2	640236	10 - Year	34974	1090	1106.42		1107.21	0.002497	7.37
Reach 2	640236	50 - Year	72046	1090	1113.09		1114.31	0.002291	9.34
Reach 2	640236	100 - Year	85940	1090	1114.79		1116.2	0.002406	10.12
Reach 2	640236	500 - Year	127141	1090	1118.33		1120.55	0.003108	12.76
Reach 2	639881	2 - Year	2461	1086	1092.23	1089.82	1092.45	0.003215	3.78
Reach 2	639881	5 - Year	19122	1086	1101.47	1096.14	1102.03	0.002221	6.04
Reach 2	639881	10 - Year	34974	1086	1105.54	1098.77	1106.37	0.002247	7.57
Reach 2	639881	50 - Year	72046	1086	1111.99	1103.51	1113.44	0.0025	10.21
Reach 2	639881	100 - Year	85940	1086	1113.56	1104.91	1115.27	0.002718	11.16
Reach 2	639881	500 - Year	127141	1086	1116.63	1108.57	1119.31	0.003683	14.16
Reach 2	639467	2 - Year	2470	1079.12	1091.95	1084.36	1092.01	0.000408	1.98
Reach 2	639467	5 - Year	19196	1079.12	1100.79	1092.08	1101.25	0.001437	5.5
Reach 2	639467	10 - Year	35015	1079.12	1104.81	1096.26	1105.52	0.001641	7.07
Reach 2	639467	50 - Year	72352	1079.12	1111.3	1102.09	1112.39	0.001806	9.25
Reach 2	639467	100 - Year	86409	1079.12	1112.87	1103.65	1114.09	0.001903	9.92
Reach 2	639467	500 - Year	127696	1079.12	1116	1107.31	1117.59	0.002299	11.8
Reach 2	638590	2 - Year	2470	1081.64	1089.73		1090.81	0.019616	8.34
Reach 2	638590	5 - Year	19196	1081.64	1099.4		1099.71	0.002061	4.86
Reach 2	638590	10 - Year	35015	1081.64	1103.74		1104.08	0.001412	5.23
Reach 2	638590	50 - Year	72352	1081.64	1110.33		1110.85	0.001367	6.71
Reach 2	638590	100 - Year	86409	1081.64	1111.79		1112.42	0.001541	7.47
Reach 2	638590	500 - Year	127696	1081.64	1114.83		1115.61	0.001758	8.72
Reach 2	637949	2 - Year	2470	1079.48	1088.24		1088.35	0.001346	2.62
Reach 2	637949	5 - Year	19196	1079.48	1098.47		1098.81	0.001031	4.68
Reach 2	637949	10 - Year	35015	1079.48	1102.89		1103.33	0.001002	5.63
Reach 2	637949	50 - Year	72352	1079.48	1109.47		1110.1	0.001049	7.16
Reach 2	637949	100 - Year	86409	1079.48	1110.85		1111.58	0.001162	7.82
Reach 2	637949	500 - Year	127696	1079.48	1113.41		1114.51	0.001645	9.92

Reach 2	637102	2 - Year	2467	1075.42	1087.24		1087.35	0.001029	2.73
Reach 2	637102	5 - Year	19168	1075.42	1097.17		1097.7	0.001636	5.95
Reach 2	637102	10 - Year	34867	1075.42	1101.56		1102.26	0.001605	7.17
Reach 2	637102	50 - Year	72293	1075.42	1108.12		1109.03	0.001599	8.87
Reach 2	637102	100 - Year	86347	1075.42	1109.4		1110.42	0.00173	9.56
Reach 2	637102	500 - Year	127673	1075.42	1111.25		1112.82	0.002579	12.23
Reach 2	636532	2 - Year	2523	1076	1086.69		1086.79	0.00094	2.55
Reach 2	636532	5 - Year	19600	1076	1096.37		1096.83	0.001376	5.76
Reach 2	636532	10 - Year	35518	1076	1100.88		1101.41	0.001247	6.61
Reach 2	636532	50 - Year	74087	1076	1107.6		1108.16	0.001132	7.75
Reach 2	636532	100 - Year	88612	1076	1109		1109.51	0.001051	7.74
Reach 2	636532	500 - Year	130242	1076	1110.99		1111.54	0.001214	8.72
Reach 2	635857	2 - Year	2523	1075.68	1086	1081.12	1086.11	0.00107	2.7
Reach 2	635857	5 - Year	19600	1075.68	1095.51	1088.31	1095.92	0.001286	5.6
Reach 2	635857	10 - Year	35518	1075.68	1100.05	1091.25	1100.56	0.001259	6.68
Reach 2	635857	50 - Year	74087	1075.68	1106.31	1096.79	1107.21	0.001679	9.36
Reach 2	635857	100 - Year	88612	1075.68	1107.99	1098.4	1108.68	0.001377	8.86
Reach 2	635857	500 - Year	130242	1075.68	1109.95	1101.75	1110.63	0.001494	9.68
Reach 2	635157	2 - Year	2523	1076.66	1085.04	1081.43	1085.17	0.001738	2.91
Reach 2	635157	5 - Year	19600	1076.66	1094.46	1087.49	1094.94	0.001516	5.75
Reach 2	635157	10 - Year	35518	1076.66	1098.83	1090.57	1099.55	0.00162	7.23
Reach 2	635157	50 - Year	74087	1076.66	1104.9	1095.79	1105.96	0.001875	9.51
Reach 2	635157	100 - Year	88612	1076.66	1107.08	1097.39	1107.75	0.001282	8.35
Reach 2	635157	500 - Year	130242	1076.66	1109.08	1099.94	1109.66	0.001225	8.58
Reach 2	634571	2 - Year	2523	1072.9	1083.68	1079.6	1083.93	0.002556	4.08
Reach 2	634571	5 - Year	19600	1072.9	1093.44	1088.15	1093.95	0.001882	6.31
Reach 2	634571	10 - Year	35518	1072.9	1097.84	1090.84	1098.53	0.001829	7.59
Reach 2	634571	50 - Year	74087	1072.9	1103.22	1095.24	1104.59	0.002803	11.28
Reach 2	634571	100 - Year	88612	1072.9	1104.68	1096.68	1106.48	0.003457	13.07
Reach 2	634571	500 - Year	130242	1072.9	1106.74	1100	1108.41	0.003505	13.91
Reach 2	633910	2 - Year	2523	1074	1082.42	1078.65	1082.58	0.00161	3.18
Reach 2	633910	5 - Year	19600	1074	1092.7	1086.12	1093.03	0.001056	5.28
Reach 2	633910	10 - Year	35518	1074	1097.18	1088.53	1097.6	0.001059	6.3
Reach 2	633910	50 - Year	74087	1074	1102.33	1092.86	1103.09	0.001636	9.15
Reach 2	633910	100 - Year	88612	1074	1103.44	1094.34	1104.52	0.002219	10.98
Reach 2	633910	500 - Year	130242	1074	1105.91	1097.58	1106.63	0.00175	10.37
Reach 2	633228	2 - Year	2523	1070	1081.2	1076.8	1081.37	0.001964	3.3
Reach 2	633228	5 - Year	19600	1070	1092	1084.51	1092.33	0.001035	5.16
Reach 2	633228	10 - Year	35518	1070	1096.51	1087.65	1096.92	0.001022	6.13
Reach 2	633228	50 - Year	74087	1070	1101.27	1092.3	1102.03	0.001648	9.01
Reach 2	633228	100 - Year	88612	1070	1102.52	1093.69	1103.22	0.001562	9.08

Reach 2	633228	500 - Year	130242	1070	1104.9	1096.61	1105.56	0.001556	9.62
Reach 2	632542	2 - Year	2533	1068	1080.32	1073.08	1080.41	0.001002	2.4
Reach 2	632542	5 - Year	19681	1068	1091	1081.66	1091.47	0.001598	5.9
Reach 2	632542	10 - Year	35151	1068	1095.61	1085.31	1096.12	0.001465	6.65
Reach 2	632542	50 - Year	74878	1068	1100.53	1092.99	1100.99	0.001394	7.44
Reach 2	632542	100 - Year	89412	1068	1101.86	1094.91	1102.26	0.001246	7.27
Reach 2	632542	500 - Year	131007	1068	1104.09	1099.21	1104.56	0.0015	8.4
Reach 2	631912	2 - Year	2533	1070	1079.41		1079.54	0.002045	2.88
Reach 2	631912	5 - Year	19681	1070	1089.7		1090.3	0.002193	6.38
Reach 2	631912	10 - Year	35151	1070	1094.37		1095.05	0.002021	7.35
Reach 2	631912	50 - Year	74878	1070	1099.16		1099.92	0.002179	8.84
Reach 2	631912	100 - Year	89412	1070	1100.34		1101.19	0.002446	9.66
Reach 2	631912	500 - Year	131007	1070	1102.57		1103.38	0.002438	10.2
Reach 2	631207	2 - Year	2533	1066	1078.65		1078.72	0.000716	2.15
Reach 2	631207	5 - Year	19681	1066	1088.27		1088.85	0.001926	6.25
Reach 2	631207	10 - Year	35151	1066	1092.87		1093.63	0.002013	7.58
Reach 2	631207	50 - Year	74878	1066	1097.92		1098.54	0.001715	8.11
Reach 2	631207	100 - Year	89412	1066	1098.8		1099.58	0.002151	9.29
Reach 2	631207	500 - Year	131007	1066	1100.97		1101.76	0.00224	10
Reach 2	630594	2 - Year	2533	1068	1078.12		1078.19	0.001062	2.17
Reach 2	630594	5 - Year	19681	1068	1087.45		1087.83	0.001298	5.11
Reach 2	630594	10 - Year	35151	1068	1092.02		1092.57	0.001347	6.3
Reach 2	630594	50 - Year	74878	1068	1096.57		1097.41	0.0019	8.67
Reach 2	630594	100 - Year	89412	1068	1097.4		1098.29	0.00204	9.21
Reach 2	630594	500 - Year	131007	1068	1099.28		1100.32	0.002418	10.54
Reach 2	630102	2 - Year	2533	1068	1077		1077.25	0.004179	4.05
Reach 2	630102	5 - Year	19681	1068	1086.36		1086.99	0.00219	6.58
Reach 2	630102	10 - Year	35151	1068	1090.92		1091.74	0.002008	7.81
Reach 2	630102	50 - Year	74878	1068	1095.32		1096.36	0.002388	9.97
Reach 2	630102	100 - Year	89412	1068	1096.12		1097.18	0.002493	10.45
Reach 2	630102	500 - Year	131007	1068	1098.12		1099.12	0.002476	11.04
Reach 2	629617	2 - Year	2533	1066	1075.32		1075.57	0.002904	3.97
Reach 2	629617	5 - Year	19681	1066	1085.37		1085.98	0.001963	6.92
Reach 2	629617	10 - Year	35151	1066	1089.97		1090.77	0.001974	8.38
Reach 2	629617	50 - Year	74878	1066	1094.22		1095.17	0.002396	10.59
Reach 2	629617	100 - Year	89412	1066	1094.95		1095.93	0.002548	11.15
Reach 2	629617	500 - Year	131007	1066	1096.7		1097.8	0.002929	12.54
Reach 2	628878	2 - Year	2533	1062.51	1072.21		1072.66	0.005361	5.37
Reach 2	628878	5 - Year	19681	1062.51	1083.88		1084.42	0.002797	6.96
Reach 2	628878	10 - Year	35151	1062.51	1088.92		1089.38	0.001872	7

Reach 2	628878	50 - Year	74878	1062.51	1093.15		1093.56	0.001937	8.14
Reach 2	628878	100 - Year	89412	1062.51	1093.86		1094.27	0.001954	8.34
Reach 2	628878	500 - Year	131007	1062.51	1095.57		1096	0.002029	8.9
Reach 2	628092	2 - Year	2533	1060.17	1070.9	1065.38	1071.01	0.000955	2.67
Reach 2	628092	5 - Year	19681	1060.17	1082	1072.88	1082.67	0.00183	6.7
Reach 2	628092	10 - Year	35151	1060.17	1086.87	1076.77	1087.78	0.001957	8.25
Reach 2	628092	50 - Year	74878	1060.17	1091.16	1084.35	1091.96	0.001999	9.43
Reach 2	628092	100 - Year	89412	1060.17	1091.97	1087.96	1092.7	0.00196	9.54
Reach 2	628092	500 - Year	131007	1060.17	1093.85	1091.66	1094.48	0.001876	9.77
Reach 2	627385	2 - Year	2533	1058.06	1070.38	1062.32	1070.44	0.0006	1.94
Reach 2	627385	5 - Year	19681	1058.06	1081.24	1070.95	1081.53	0.000834	4.52
Reach 2	627385	10 - Year	35151	1058.06	1085.99	1073.85	1086.46	0.001009	5.9
Reach 2	627385	50 - Year	74878	1058.06	1090.37	1079.59	1090.7	0.000862	6.19
Reach 2	627385	100 - Year	89412	1058.06	1091.14	1081.3	1091.48	0.000914	6.5
Reach 2	627385	500 - Year	131007	1058.06	1092.93	1088.23	1093.31	0.001059	7.31
Reach 2	626610	2 - Year	2533	1056.54	1069.76	1061.64	1069.87	0.00085	2.73
Reach 2	626610	5 - Year	19681	1056.54	1079.89	1072.06	1080.53	0.001702	6.64
Reach 2	626610	10 - Year	35151	1056.54	1084.27	1075.68	1085.25	0.001973	8.48
Reach 2	626610	50 - Year	74878	1056.54	1089.43	1082.22	1089.93	0.001246	7.89
Reach 2	626610	100 - Year	89412	1056.54	1090.18	1083.9	1090.69	0.001305	8.24
Reach 2	626610	500 - Year	131007	1056.54	1091.86	1088.92	1092.42	0.001507	9.24
Reach 2	626000	2 - Year	2533	1057.27	1068.94		1069.12	0.001945	3.36
Reach 2	626000	5 - Year	19681	1057.27	1078.9		1079.46	0.001724	6.32
Reach 2	626000	10 - Year	35151	1057.27	1083.09		1084	0.002048	8.24
Reach 2	626000	50 - Year	74878	1057.27	1087.65		1088.8	0.002534	10.67
Reach 2	626000	100 - Year	89412	1057.27	1088.4		1089.52	0.0026	11.05
Reach 2	626000	500 - Year	131007	1057.27	1090.36		1091.24	0.002321	11.03
Reach 2	625310	2 - Year	2597	1055.92	1067.37	1063.06	1067.66	0.002269	4.3
Reach 2	625310	5 - Year	20175	1055.92	1076.84	1073.96	1077.87	0.003326	9.31
Reach 2	625310	10 - Year	35652	1055.92	1081.31	1076.72	1082.41	0.002903	10.33
Reach 2	625310	50 - Year	77391	1055.92	1086.77	1081.17	1087.32	0.001849	9.71
Reach 2	625310	100 - Year	92046	1055.92	1087.57	1085.56	1088.07	0.00176	9.68
Reach 2	625310	500 - Year	133858	1055.92	1089.56	1086.74	1090	0.001606	9.71
Reach 2	624619	2 - Year	2597	1055.1	1066.69	1060.61	1066.8	0.000706	2.6
Reach 2	624619	5 - Year	20175	1055.1	1074.98	1068.33	1075.93	0.002487	8.22
Reach 2	624619	10 - Year	35652	1055.1	1079.3	1073.59	1080.58	0.002647	10.01
Reach 2	624619	50 - Year	77391	1055.1	1085.4	1079.05	1086.16	0.001799	9.89
Reach 2	624619	100 - Year	92046	1055.1	1086.26	1084.56	1086.97	0.001758	9.99
Reach 2	624619	500 - Year	133858	1055.1	1088.37	1085.66	1088.99	0.001666	10.24
Reach 2	623954	2 - Year	2597	1054.76	1066.51	1057.88	1066.55	0.000203	1.59

Reach 2	623954	5 - Year	20175	1054.76	1074.05	1064.98	1074.64	0.001353	6.27
Reach 2	623954	10 - Year	35652	1054.76	1077.98	1068.38	1079.05	0.001897	8.59
Reach 2	623954	50 - Year	77391	1054.76	1083.42	1075.72	1084.8	0.002298	11.11
Reach 2	623954	100 - Year	92046	1054.76	1084.47	1077.78	1085.67	0.002158	11.06
Reach 2	623954	500 - Year	133858	1054.76	1086.86	1084.72	1087.82	0.001932	11.09
Reach 2	623463	2 - Year	2597	1056.92	1066.32	1060.46	1066.39	0.000576	2.08
Reach 2	623463	5 - Year	20175	1056.92	1073	1067.15	1073.75	0.002414	7.12
Reach 2	623463	10 - Year	35652	1056.92	1076.66	1070.14	1077.89	0.002929	9.3
Reach 2	623463	50 - Year	77391	1056.92	1082.36	1076.43	1083.55	0.002589	10.7
Reach 2	623463	100 - Year	92046	1056.92	1083.54	1078.2	1084.53	0.00226	10.35
Reach 2	623463	500 - Year	133858	1056.92	1086.03	1083.35	1086.82	0.001957	10.31
Reach 2	623006	2 - Year	2597	1058.92	1065.82	1063.28	1065.92	0.002278	2.52
Reach 2	623006	5 - Year	20175	1058.92	1072.1	1067.58	1072.58	0.002358	5.61
Reach 2	623006	10 - Year	35652	1058.92	1075.89	1069.57	1076.59	0.002181	6.84
Reach 2	623006	50 - Year	77391	1058.92	1081.84	1073.73	1082.51	0.001617	7.61
Reach 2	623006	100 - Year	92046	1058.92	1083	1075.41	1083.63	0.001522	7.69
Reach 2	623006	500 - Year	133858	1058.92	1085.42	1081.16	1086.05	0.001499	8.24
Reach 2	622658	2 - Year	2597	1060.18	1064.91	1063.28	1065.02	0.002992	2.61
Reach 2	622658	5 - Year	20175	1060.18	1071.35	1066.72	1071.79	0.002144	5.32
Reach 2	622658	10 - Year	35652	1060.18	1075.22	1068.6	1075.85	0.001942	6.46
Reach 2	622658	50 - Year	77391	1060.18	1081.29	1072.6	1081.96	0.001531	7.45
Reach 2	622658	100 - Year	92046	1060.18	1082.42	1073.88	1083.09	0.001512	7.7
Reach 2	622658	500 - Year	133858	1060.18	1084.84	1078.21	1085.52	0.001514	8.31
Reach 2	622314	2 - Year	2597	1056.74	1061.85	1061.59	1062.56	0.030662	6.77
Reach 2	622314	5 - Year	20175	1056.74	1070.34		1070.88	0.003205	5.98
Reach 2	622314	10 - Year	35652	1056.74	1074.33		1075.06	0.002696	7.03
Reach 2	622314	50 - Year	77391	1056.74	1080.06		1081.2	0.002914	9.35
Reach 2	622314	100 - Year	92046	1056.74	1081.38		1082.39	0.002594	9.23
Reach 2	622314	500 - Year	133858	1056.74	1083.97		1084.86	0.002343	9.52
Reach 2	621987	2 - Year	2597	1052.41	1060.46		1060.63	0.002162	3.31
Reach 2	621987	5 - Year	20175	1052.41	1069.15		1069.88	0.002855	7.48
Reach 2	621987	10 - Year	35652	1052.41	1073.33		1074.18	0.002624	8.58
Reach 2	621987	50 - Year	77391	1052.41	1079.51		1080.26	0.002225	9.63
Reach 2	621987	100 - Year	92046	1052.41	1080.94		1081.56	0.001898	9.25
Reach 2	621987	500 - Year	133858	1052.41	1083.64		1084.13	0.00155	8.94
Reach 2	621677	2 - Year	2597	1052.64	1059.51		1059.74	0.003905	3.92
Reach 2	621677	5 - Year	20175	1052.64	1068.53		1069.04	0.002273	6.54
Reach 2	621677	10 - Year	35652	1052.64	1072.83		1073.41	0.002023	7.45
Reach 2	621677	50 - Year	77391	1052.64	1079.2		1079.62	0.001428	7.71
Reach 2	621677	100 - Year	92046	1052.64	1080.63		1081.01	0.001279	7.59
Reach 2	621677	500 - Year	133858	1052.64	1083.34		1083.68	0.001141	7.67

Reach 2	621307	2 - Year	2597	1051.06	1058.74		1058.85	0.001531	2.73
Reach 2	621307	5 - Year	20175	1051.06	1067.68		1068.25	0.002063	6.41
Reach 2	621307	10 - Year	35652	1051.06	1071.87		1072.64	0.00213	7.79
Reach 2	621307	50 - Year	77391	1051.06	1078.06		1078.94	0.002153	9.55
Reach 2	621307	100 - Year	92046	1051.06	1079.65		1080.4	0.001885	9.32
Reach 2	621307	500 - Year	133858	1051.06	1082.61		1083.18	0.00151	8.97
Reach 2	621001	2 - Year	2597	1046.64	1058.48		1058.56	0.000596	2.27
Reach 2	621001	5 - Year	20175	1046.64	1067.07		1067.65	0.001845	6.69
Reach 2	621001	10 - Year	35652	1046.64	1071.31		1072	0.001834	7.81
Reach 2	621001	50 - Year	77391	1046.64	1077.63		1078.24	0.001621	8.8
Reach 2	621001	100 - Year	92046	1046.64	1079.27		1079.79	0.001426	8.59
Reach 2	621001	500 - Year	133858	1046.64	1082.3		1082.7	0.001117	8.14
Reach 2	620481	2 - Year	2597	1051.03	1057.27		1057.68	0.008351	5.18
Reach 2	620481	5 - Year	20175	1051.03	1065.77		1066.4	0.003355	7.24
Reach 2	620481	10 - Year	35652	1051.03	1070.25		1070.9	0.002486	7.77
Reach 2	620481	50 - Year	77391	1051.03	1076.75		1077.3	0.001877	8.49
Reach 2	620481	100 - Year	92046	1051.03	1078.49		1078.98	0.001618	8.28
Reach 2	620481	500 - Year	133858	1051.03	1081.71		1082.09	0.001224	7.83
Reach 2	619966	2 - Year	2597	1049.49	1055.97		1056.07	0.001407	2.46
Reach 2	619966	5 - Year	20175	1049.49	1064.8		1065.18	0.00149	5.31
Reach 2	619966	10 - Year	35652	1049.49	1069.42		1069.89	0.001366	6.22
Reach 2	619966	50 - Year	77391	1049.49	1075.98		1076.52	0.001274	7.4
Reach 2	619966	100 - Year	92046	1049.49	1077.77		1078.28	0.00117	7.44
Reach 2	619966	500 - Year	133858	1049.49	1080.94		1081.45	0.001154	7.97
Reach 2	619245	2 - Year	2597	1048	1053.1		1053.59	0.014388	5.62
Reach 2	619245	5 - Year	20175	1048	1063.51		1063.96	0.001954	6.02
Reach 2	619245	10 - Year	35652	1048	1068.07		1068.71	0.001977	7.4
Reach 2	619245	50 - Year	77391	1048	1074.61		1075.41	0.00201	9.22
Reach 2	619245	100 - Year	92046	1048	1076.55		1077.29	0.00182	9.24
Reach 2	619245	500 - Year	133858	1048	1080.06		1080.66	0.001477	9.06
Reach 2	618688	2 - Year	2597	1039.08	1052.97		1053.01	0.0002	1.58
Reach 2	618688	5 - Year	20175	1039.08	1062.88		1063.29	0.000806	5.28
Reach 2	618688	10 - Year	35652	1039.08	1067.14		1067.87	0.001156	7.25
Reach 2	618688	50 - Year	77391	1039.08	1073.02		1074.28	0.001736	10.36
Reach 2	618688	100 - Year	92046	1039.08	1074.9		1076.19	0.001737	10.81
Reach 2	618688	500 - Year	133858	1039.08	1078.1		1079.54	0.001944	12.22
Reach 2	618147	2 - Year	2597	1038.32	1052.86		1052.91	0.000163	1.74
Reach 2	618147	5 - Year	20175	1038.32	1062.05		1062.7	0.001146	6.8
Reach 2	618147	10 - Year	35652	1038.32	1066.07		1067.07	0.001559	8.92
Reach 2	618147	50 - Year	77391	1038.32	1071.36		1073.05	0.002467	12.77

Reach 2	618147	100 - Year	92046	1038.32	1073.08		1074.9	0.002604	13.61
Reach 2	618147	500 - Year	133858	1038.32	1075.66		1077.96	0.003279	16.09
Reach 2	617734	2 - Year	2597	1038.57	1052.83		1052.85	0.000084	1.36
Reach 2	617734	5 - Year	20175	1038.57	1061.78		1062.26	0.000779	5.83
Reach 2	617734	10 - Year	35652	1038.57	1065.68		1066.47	0.001132	7.83
Reach 2	617734	50 - Year	77391	1038.57	1070.77		1072.07	0.001804	11.13
Reach 2	617734	100 - Year	92046	1038.57	1072.28		1073.87	0.002125	12.47
Reach 2	617734	500 - Year	133858	1038.57	1074.61		1076.66	0.002753	14.86
Reach 2	617231	2 - Year	2597	1040.11	1052.74		1052.79	0.000191	1.8
Reach 2	617231	5 - Year	20175	1040.11	1061.06		1061.74	0.001361	7.01
Reach 2	617231	10 - Year	35652	1040.11	1064.72		1065.74	0.001819	9.1
Reach 2	617231	50 - Year	77391	1040.11	1069.96		1071.07	0.002032	11.03
Reach 2	617231	100 - Year	92046	1040.11	1071.44		1072.69	0.002246	12.01
Reach 2	617231	500 - Year	133858	1040.11	1073.88		1075.16	0.002377	13.02
Reach 2	616848	2 - Year	2597	1040.81	1052.57		1052.67	0.000595	2.58
Reach 2	616848	5 - Year	20175	1040.81	1060.14		1061.02	0.002513	8.32
Reach 2	616848	10 - Year	35652	1040.81	1063.53		1064.81	0.003107	10.57
Reach 2	616848	50 - Year	77391	1040.81	1069.1		1070.18	0.002599	11.5
Reach 2	616848	100 - Year	92046	1040.81	1070.44		1071.7	0.002952	12.7
Reach 2	616848	500 - Year	133858	1040.81	1073.04		1074.15	0.00265	12.83
Reach 2	616347	2 - Year	2597	1039.06	1052.4		1052.46	0.000271	2.02
Reach 2	616347	5 - Year	20175	1039.06	1059.08		1059.87	0.002026	7.8
Reach 2	616347	10 - Year	35652	1039.06	1062.05		1063.32	0.002855	10.34
Reach 2	616347	50 - Year	77391	1039.06	1067.84		1068.93	0.002423	11.33
Reach 2	616347	100 - Year	92046	1039.06	1068.8		1070.19	0.003065	13.07
Reach 2	616347	500 - Year	133858	1039.06	1072.13		1072.93	0.001941	11.27
Reach 2	615823	2 - Year	2597	1037.48	1052.32		1052.35	0.000136	1.43
Reach 2	615823	5 - Year	20175	1037.48	1058.45		1058.95	0.00127	6.05
Reach 2	615823	10 - Year	35652	1037.48	1061.02		1061.95	0.00206	8.51
Reach 2	615823	50 - Year	77391	1037.48	1066.56		1067.69	0.002283	10.68
Reach 2	615823	100 - Year	92046	1037.48	1067.55		1068.72	0.002396	11.24
Reach 2	615823	500 - Year	133858	1037.48	1071.31		1072.01	0.001519	9.83
Reach 2	615425	2 - Year	2597	1042.86	1052.24		1052.28	0.000281	1.64
Reach 2	615425	5 - Year	20175	1042.86	1057.81		1058.34	0.001871	6.29
Reach 2	615425	10 - Year	35652	1042.86	1059.98		1060.97	0.002948	8.79
Reach 2	615425	50 - Year	77391	1042.86	1065.04		1066.51	0.003582	11.8
Reach 2	615425	100 - Year	92046	1042.86	1066.57		1067.65	0.002746	10.85
Reach 2	615425	500 - Year	133858	1042.86	1070.87		1071.37	0.001313	8.49
Reach 2	614845	2 - Year	2597	1044.03	1051.73	1050.1	1051.88	0.003434	3.22
Reach 2	614845	5 - Year	20175	1044.03	1056.5	1053.62	1056.87	0.003637	5.99

Reach 2	614845	10 - Year	35652	1044.03	1058.22		1058.82	0.004665	7.71
Reach 2	614845	50 - Year	77391	1044.03	1062.93		1063.95	0.005571	10.95
Reach 2	614845	100 - Year	92046	1044.03	1064.84		1065.7	0.004499	10.68
Reach 2	614845	500 - Year	133858	1044.03	1070.47		1070.7	0.000958	6
Reach 2	614305	2 - Year	2597	1042.05	1046.33	1046.33	1047.28	0.042544	7.82
Reach 2	614305	5 - Year	20175	1042.05	1051.15	1051.15	1053	0.020339	11.8
Reach 2	614305	10 - Year	35652	1042.05	1055.1		1056.01	0.006485	9.29
Reach 2	614305	50 - Year	77391	1042.05	1061.52		1062.02	0.002345	7.76
Reach 2	614305	100 - Year	92046	1042.05	1063.65		1064.1	0.002035	7.84
Reach 2	614305	500 - Year	133858	1042.05	1070.16		1070.32	0.00057	5.06
Reach 2	614060	2 - Year	2597	1039.03	1043.3	1041.37	1043.43	0.002293	2.95
Reach 2	614060	5 - Year	20175	1039.03	1050.64	1045.35	1050.93	0.001409	4.95
Reach 2	614060	10 - Year	35652	1039.03	1054.77	1047.14	1055.19	0.001312	5.93
Reach 2	614060	50 - Year	77391	1039.03	1060.47	1050.66	1061.41	0.00192	8.9
Reach 2	614060	100 - Year	92046	1039.03	1062.23	1051.71	1063.41	0.002149	9.94
Reach 2	614060	500 - Year	133858	1039.03	1069.34	1054.47	1070	0.001199	8.93
Reach 2	613875		Bridge						
Reach 2	613652	2 - Year	2597	1038.4	1042.25		1042.36	0.001834	2.72
Reach 2	613652	5 - Year	20175	1038.4	1049.85		1050.19	0.001223	5.05
Reach 2	613652	10 - Year	35652	1038.4	1053.91		1054.41	0.001194	6.18
Reach 2	613652	50 - Year	77391	1038.4	1058.77		1059.99	0.00203	9.75
Reach 2	613652	100 - Year	92046	1038.4	1060.42		1061.85	0.002152	10.59
Reach 2	613652	500 - Year	133858	1038.4	1063.85	1054.35	1066.42	0.003238	14.35
Reach 2	613424	2 - Year	2597	1034.36	1041.24		1041.57	0.006257	5.14
Reach 2	613424	5 - Year	20175	1034.36	1049.42		1049.83	0.001699	6.28
Reach 2	613424	10 - Year	35652	1034.36	1053.54		1054.08	0.001523	7.49
Reach 2	613424	50 - Year	77391	1034.36	1058.3		1059.39	0.002231	11
Reach 2	613424	100 - Year	92046	1034.36	1059.98		1061.11	0.002139	11.4
Reach 2	613424	500 - Year	133858	1034.36	1063.59		1064.63	0.001852	11.81
Reach 2	613049	2 - Year	2609	1033.69	1039.04	1037.43	1039.54	0.004968	5.68
Reach 2	613049	5 - Year	20273	1033.69	1048.37	1044.9	1049.08	0.00246	7.06
Reach 2	613049	10 - Year	35468	1033.69	1052.72	1047.16	1053.49	0.00169	7.61
Reach 2	613049	50 - Year	78023	1033.69	1056.69	1051.68	1058.43	0.002896	11.85
Reach 2	613049	100 - Year	93085	1033.69	1058.31	1052.91	1060.21	0.002876	12.53
Reach 2	613049	500 - Year	134370	1033.69	1062.77	1056.77	1063.96	0.001731	11.19
Reach 2	612344	2 - Year	2609	1030	1036.04	1033.89	1036.47	0.003806	5.25
Reach 2	612344	5 - Year	20273	1030	1046.31	1041.19	1047.38	0.002271	8.69
Reach 2	612344	10 - Year	35468	1030	1050.31	1045.02	1051.96	0.002552	11
Reach 2	612344	50 - Year	78023	1030	1056.33	1049.37	1056.93	0.001109	8.87
Reach 2	612344	100 - Year	93085	1030	1058.11	1052.81	1058.71	0.00105	9.07

Reach 2	612344	500 - Year	134370	1030	1062.43	1052.81	1062.96	0.000877	9.22
Reach 2	611792	2 - Year	2609	1024.17	1035.41	1030.08	1035.54	0.000806	2.93
Reach 2	611792	5 - Year	20273	1024.17	1045.73	1037.92	1046.39	0.001159	6.73
Reach 2	611792	10 - Year	35468	1024.17	1049.58	1041.4	1050.74	0.001532	9.03
Reach 2	611792	50 - Year	78023	1024.17	1056.13	1047.99	1056.46	0.000528	6.48
Reach 2	611792	100 - Year	93085	1024.17	1057.91	1049.99	1058.25	0.000517	6.71
Reach 2	611792	500 - Year	134370	1024.17	1062.2	1050	1062.57	0.000498	7.26
Reach 2	611061	2 - Year	2609	1021.33	1035.24	1025.83	1035.3	0.000159	1.86
Reach 2	611061	5 - Year	20273	1021.33	1045.05	1033.95	1045.69	0.000799	6.64
Reach 2	611061	10 - Year	35468	1021.33	1048.47	1038.02	1049.71	0.001306	9.46
Reach 2	611061	50 - Year	78023	1021.33	1055.87	1046.75	1056.13	0.000385	6.19
Reach 2	611061	100 - Year	93085	1021.33	1057.64	1048.18	1057.92	0.000405	6.59
Reach 2	611061	500 - Year	134370	1021.33	1061.86	1051.66	1062.23	0.000495	7.91
Reach 2	610377	2 - Year	2609	1021.52	1035.13		1035.17	0.00018	1.55
Reach 2	610377	5 - Year	20273	1021.52	1044.55		1045.02	0.00092	5.59
Reach 2	610377	10 - Year	35468	1021.52	1047.6		1048.6	0.001611	8.21
Reach 2	610377	50 - Year	78023	1021.52	1051.9		1054.75	0.003779	14.23
Reach 2	610377	100 - Year	93085	1021.52	1052.94	1045.6	1056.34	0.004415	15.79
Reach 2	610377	500 - Year	134370	1021.52	1055.42	1048.95	1060.12	0.005836	19.27
Reach 2	609667	2 - Year	2609	1028.66	1034.81	1031.29	1034.9	0.000849	2.43
Reach 2	609667	5 - Year	20273	1028.66	1043.58	1036.45	1044.16	0.001417	6.23
Reach 2	609667	10 - Year	35468	1028.66	1047	1039.28	1047.27	0.000744	5.27
Reach 2	609667	50 - Year	78023	1028.66	1051.13	1046.01	1051.56	0.001045	7.23
Reach 2	609667	100 - Year	93085	1028.66	1052.15	1046.01	1052.61	0.001101	7.66
Reach 2	609667	500 - Year	134370	1028.66	1054.64	1046.01	1055.19	0.001215	8.65
Reach 2	609069	2 - Year	2609	1028.64	1033.94	1031.66	1034.11	0.002202	3.27
Reach 2	609069	5 - Year	20273	1028.64	1042.71	1036.83	1043.25	0.001579	6.3
Reach 2	609069	10 - Year	35468	1028.64	1046.29	1039.69	1046.7	0.001133	6.32
Reach 2	609069	50 - Year	78023	1028.64	1050.38	1045.96	1050.87	0.001299	7.88
Reach 2	609069	100 - Year	93085	1028.64	1051.44	1045.96	1051.93	0.001274	8.08
Reach 2	609069	500 - Year	134370	1028.64	1053.97	1048.82	1054.47	0.001237	8.58
Reach 2	608443	2 - Year	2609	1025	1031.33	1030.09	1031.77	0.007437	5.3
Reach 2	608443	5 - Year	20273	1025	1041.57	1035.88	1042.19	0.00181	6.57
Reach 2	608443	10 - Year	35468	1025	1045.01	1038.85	1045.8	0.001847	7.86
Reach 2	608443	50 - Year	78023	1025	1049.83	1045.12	1050.18	0.000949	6.76
Reach 2	608443	100 - Year	93085	1025	1050.87	1046	1051.24	0.000975	7.09
Reach 2	608443	500 - Year	134370	1025	1053.36	1046	1053.79	0.001031	7.85
Reach 2	607784	2 - Year	2609	1020.99	1030.63	1025.23	1030.73	0.000582	2.6
Reach 2	607784	5 - Year	20273	1020.99	1040.81	1032.46	1041.34	0.000915	6.28
Reach 2	607784	10 - Year	35468	1020.99	1043.79	1036.31	1044.74	0.001369	8.62

Reach 2	607784	50 - Year	78023	1020.99	1049.15	1042.67	1049.6	0.0008	7.78
Reach 2	607784	100 - Year	93085	1020.99	1050.18	1044	1050.65	0.000835	8.17
Reach 2	607784	500 - Year	134370	1020.99	1052.63	1048.07	1053.15	0.000908	9.06
Reach 2	607147	2 - Year	2609	1012.6	1030.42	1019.81	1030.48	0.000247	2.05
Reach 2	607147	5 - Year	20273	1012.6	1040.21	1030.31	1040.78	0.000869	6.29
Reach 2	607147	10 - Year	35468	1012.6	1043.03	1034.46	1043.92	0.001242	8.33
Reach 2	607147	50 - Year	78023	1012.6	1047.55	1042.91	1048.77	0.001694	11.15
Reach 2	607147	100 - Year	93085	1012.6	1048.65	1043.87	1049.83	0.001685	11.45
Reach 2	607147	500 - Year	134370	1012.6	1051.2	1048.2	1052.36	0.001688	12.22
Reach 2	606537	2 - Year	2609	1020	1029.63	1025.18	1030.02	0.003002	5.03
Reach 2	606537	5 - Year	20273	1020	1039.64	1033.88	1040.09	0.00126	6.4
Reach 2	606537	10 - Year	35468	1020	1042.32	1036.14	1042.96	0.001567	8.07
Reach 2	606537	50 - Year	78023	1020	1046.82	1041.75	1047.54	0.001674	9.85
Reach 2	606537	100 - Year	93085	1020	1047.9	1043.52	1048.63	0.001696	10.26
Reach 2	606537	500 - Year	134370	1020	1050.43	1045.93	1051.2	0.001694	11.05
Reach 2	606194	2 - Year	2609	1020	1028.95	1025.54	1029.21	0.00164	4.13
Reach 2	606194	5 - Year	20273	1020	1038.58	1033.72	1039.43	0.001971	8.2
Reach 2	606194	10 - Year	35468	1020	1040.88	1038.27	1042.09	0.002617	10.48
Reach 2	606194	50 - Year	78023	1020	1046.38	1042.49	1046.95	0.001363	9.22
Reach 2	606194	100 - Year	93085	1020	1047.45	1043.49	1048.04	0.001373	9.57
Reach 2	606194	500 - Year	134370	1020	1049.99	1045.12	1050.61	0.00138	10.3
Reach 2	605746	2 - Year	2609	1020	1027.82	1024.98	1028.22	0.003073	5.06
Reach 2	605746	5 - Year	20273	1020	1036.01	1033.28	1037.99	0.005209	11.4
Reach 2	605746	10 - Year	35468	1020	1039.72	1038	1040.91	0.002909	10.4
Reach 2	605746	50 - Year	78023	1020	1045.82	1041.61	1046.38	0.001339	8.94
Reach 2	605746	100 - Year	93085	1020	1046.88	1042.13	1047.47	0.001377	9.37
Reach 2	605746	500 - Year	134370	1020	1049.38	1043.64	1050.02	0.001419	10.24
Reach 2	605265	2 - Year	2609	1020	1026.04		1026.41	0.004656	4.91
Reach 2	605265	5 - Year	20273	1020	1035.12		1035.76	0.002263	6.9
Reach 2	605265	10 - Year	35468	1020	1039.17		1039.66	0.00143	6.77
Reach 2	605265	50 - Year	78023	1020	1045.43		1045.81	0.000932	6.9
Reach 2	605265	100 - Year	93085	1020	1046.44		1046.87	0.001021	7.45
Reach 2	605265	500 - Year	134370	1020	1048.88		1049.41	0.00117	8.55
Reach 2	604929	2 - Year	2609	1016	1025.25		1025.43	0.001684	3.44
Reach 2	604929	5 - Year	20273	1016	1034.65		1035.15	0.001468	6.44
Reach 2	604929	10 - Year	35468	1016	1038.91		1039.3	0.001004	6.38
Reach 2	604929	50 - Year	78023	1016	1045.26		1045.6	0.000774	6.86
Reach 2	604929	100 - Year	93085	1016	1046.27		1046.64	0.000827	7.28
Reach 2	604929	500 - Year	134370	1016	1048.72		1049.13	0.000898	8.07
Reach 2	604622	2 - Year	2609	1016	1024.49		1024.78	0.002428	4.36

Reach 2	604622	5 - Year	20273	1016	1034.12		1034.68	0.001851	7.07
Reach 2	604622	10 - Year	35468	1016	1038.57		1039	0.001218	6.96
Reach 2	604622	50 - Year	78023	1016	1045		1045.38	0.000931	7.48
Reach 2	604622	100 - Year	93085	1016	1046.03		1046.41	0.000957	7.8
Reach 2	604622	500 - Year	134370	1016	1048.49		1048.9	0.00097	8.36
Reach 2	604285	2 - Year	2609	1016	1023.85		1024.04	0.001758	3.54
Reach 2	604285	5 - Year	20273	1016	1033.41		1034.06	0.001715	7.2
Reach 2	604285	10 - Year	35468	1016	1037.96		1038.54	0.001288	7.5
Reach 2	604285	50 - Year	78023	1016	1044.3		1044.94	0.001268	9.03
Reach 2	604285	100 - Year	93085	1016	1045.34		1045.98	0.001277	9.32
Reach 2	604285	500 - Year	134370	1016	1047.89		1048.48	0.001227	9.71
Reach 2	604026	2 - Year	2609	1016	1023.39		1023.59	0.001712	3.64
Reach 2	604026	5 - Year	20273	1016	1032.83		1033.58	0.001934	7.76
Reach 2	604026	10 - Year	35468	1016	1037.56		1038.27	0.0015	8.24
Reach 2	604026	50 - Year	78023	1016	1043.73		1044.57	0.001621	10.3
Reach 2	604026	100 - Year	93085	1016	1044.8		1045.61	0.001606	10.54
Reach 2	604026	500 - Year	134370	1016	1047.47		1048.15	0.001418	10.55
Reach 2	603698	2 - Year	2609	1016	1022.72		1022.96	0.002193	3.93
Reach 2	603698	5 - Year	20273	1016	1032.26		1032.95	0.001873	7.54
Reach 2	603698	10 - Year	35468	1016	1036.96		1037.76	0.001635	8.52
Reach 2	603698	50 - Year	78023	1016	1042.43		1043.86	0.002567	12.63
Reach 2	603698	100 - Year	93085	1016	1043.73		1044.95	0.002299	12.37
Reach 2	603698	500 - Year	134370	1016	1046.67		1047.6	0.001869	11.99
Reach 2	603339	2 - Year	2609	1014	1021.95	1018.74	1022.19	0.002086	3.96
Reach 2	603339	5 - Year	20273	1014	1031.6	1025.73	1032.28	0.001844	7.61
Reach 2	603339	10 - Year	35468	1014	1036.2	1028.86	1037.13	0.00187	9.19
Reach 2	603339	50 - Year	78023	1014	1041.51	1034.42	1042.93	0.002666	12.9
Reach 2	603339	100 - Year	93085	1014	1042.98	1037.11	1044.12	0.002262	12.35
Reach 2	603339	500 - Year	134370	1014	1046.04	1042.66	1046.93	0.001849	12.03
Reach 2	602979	2 - Year	2609	1014	1021.23		1021.42	0.002081	3.5
Reach 2	602979	5 - Year	20273	1014	1031.06		1031.66	0.001543	6.76
Reach 2	602979	10 - Year	35468	1014	1035.7		1036.5	0.001511	8.09
Reach 2	602979	50 - Year	78023	1014	1041.02		1042.05	0.001829	10.53
Reach 2	602979	100 - Year	93085	1014	1042.56		1043.39	0.001524	10.02
Reach 2	602979	500 - Year	134370	1014	1045.67		1046.34	0.001273	9.89
Reach 2	602584	2 - Year	2609	1012.06	1020.81		1020.93	0.000783	2.72
Reach 2	602584	5 - Year	20273	1012.06	1030.37		1031.06	0.001473	7.06
Reach 2	602584	10 - Year	35468	1012.06	1034.75		1035.83	0.001758	9.11
Reach 2	602584	50 - Year	78023	1012.06	1040.44		1041.35	0.001557	10.14
Reach 2	602584	100 - Year	93085	1012.06	1042.02		1042.81	0.001382	9.94
Reach 2	602584	500 - Year	134370	1012.06	1045.12		1045.84	0.001262	10.21

Reach 2	602162	2 - Year	2609	1014	1020.38		1020.51	0.001273	2.92
Reach 2	602162	5 - Year	20273	1014	1029.8		1030.42	0.001478	6.63
Reach 2	602162	10 - Year	35468	1014	1034.1		1035.07	0.001704	8.51
Reach 2	602162	50 - Year	78023	1014	1039.66		1040.66	0.001676	10.07
Reach 2	602162	100 - Year	93085	1014	1041.06		1042.13	0.001735	10.64
Reach 2	602162	500 - Year	134370	1014	1043.97		1045.16	0.001859	11.84
Reach 2	601764	2 - Year	2609	1012	1019.84		1019.99	0.001344	3.17
Reach 2	601764	5 - Year	20273	1012	1029.24		1029.81	0.001502	6.8
Reach 2	601764	10 - Year	35468	1012	1033.44		1034.35	0.001832	8.9
Reach 2	601764	50 - Year	78023	1012	1038.96		1039.96	0.001867	10.69
Reach 2	601764	100 - Year	93085	1012	1040.22		1041.37	0.002079	11.67
Reach 2	601764	500 - Year	134370	1012	1042.83		1044.28	0.002499	13.66
Reach 2	601535	2 - Year	2609	1012	1019.5		1019.67	0.001381	3.4
Reach 2	601535	5 - Year	20273	1012	1028.88		1029.45	0.00157	7.08
Reach 2	601535	10 - Year	35468	1012	1033.01		1033.9	0.001927	9.24
Reach 2	601535	50 - Year	78023	1012	1038.51		1039.5	0.00202	11.21
Reach 2	601535	100 - Year	93085	1012	1039.85		1040.84	0.002016	11.6
Reach 2	601535	500 - Year	134370	1012	1042.6		1043.62	0.002048	12.51
Reach 2	601203	2 - Year	2609	1010	1019.15		1019.28	0.00096	3.06
Reach 2	601203	5 - Year	20273	1010	1028.46		1028.96	0.001349	6.73
Reach 2	601203	10 - Year	35468	1010	1032.57		1033.29	0.001572	8.51
Reach 2	601203	50 - Year	78023	1010	1037.9		1038.86	0.001909	11.02
Reach 2	601203	100 - Year	93085	1010	1039.3		1040.2	0.001815	11.14
Reach 2	601203	500 - Year	134370	1010	1042.09		1042.97	0.001772	11.77
Reach 2	600901	2 - Year	2609	1008	1018.86		1018.98	0.001049	2.75
Reach 2	600901	5 - Year	20273	1008	1028.14		1028.57	0.001131	5.82
Reach 2	600901	10 - Year	35468	1008	1032.17		1032.84	0.001354	7.53
Reach 2	600901	50 - Year	78023	1008	1037.24		1038.3	0.001854	10.38
Reach 2	600901	100 - Year	93085	1008	1038.66		1039.67	0.001772	10.55
Reach 2	600901	500 - Year	134370	1008	1041.48		1042.45	0.001715	11.16
Reach 2	600418	2 - Year	2609	1008.65	1018.54		1018.63	0.000501	2.36
Reach 2	600418	5 - Year	20273	1008.65	1027.63		1028.07	0.001043	6.02
Reach 2	600418	10 - Year	35468	1008.65	1031.66		1032.24	0.001153	7.36
Reach 2	600418	50 - Year	78023	1008.65	1036.56		1037.47	0.001638	10.17
Reach 2	600418	100 - Year	93085	1008.65	1038		1038.87	0.001587	10.39
Reach 2	600418	500 - Year	134370	1008.65	1040.77		1041.68	0.001649	11.33
Reach 2	600005	2 - Year	2609	1006.48	1018.11		1018.32	0.001082	3.72
Reach 2	600005	5 - Year	20273	1006.48	1025.9		1027.27	0.003736	10.67
Reach 2	600005	10 - Year	35468	1006.48	1029.76		1031.39	0.003834	12.58
Reach 2	600005	50 - Year	78023	1006.48	1035.85		1036.74	0.00229	11.71

Reach 2	600005	100 - Year	93085	1006.48	1037.45		1038.17	0.001914	11.16
Reach 2	600005	500 - Year	134370	1006.48	1040.32		1040.96	0.001726	11.34
Reach 2	599541	2 - Year	2609	1004.46	1017.46		1017.62	0.002039	3.22
Reach 2	599541	5 - Year	20273	1004.46	1024.73		1025.58	0.00284	7.76
Reach 2	599541	10 - Year	35468	1004.46	1028.46		1029.75	0.00305	9.77
Reach 2	599541	50 - Year	78023	1004.46	1034.54		1035.69	0.002355	10.8
Reach 2	599541	100 - Year	93085	1004.46	1036.69		1037.44	0.001591	9.48
Reach 2	599541	500 - Year	134370	1004.46	1039.69		1040.32	0.001352	9.48
Reach 2	599295	2 - Year	2609	1004.17	1017.42		1017.46	0.000179	1.67
Reach 2	599295	5 - Year	20273	1004.17	1024.36		1025.02	0.001346	6.77
Reach 2	599295	10 - Year	35468	1004.17	1027.99		1029.1	0.001818	9.04
Reach 2	599295	50 - Year	78023	1004.17	1034.17		1035.15	0.001592	10.18
Reach 2	599295	100 - Year	93085	1004.17	1036.41		1037.08	0.001144	9.13
Reach 2	599295	500 - Year	134370	1004.17	1039.42		1040.03	0.00107	9.46
Reach 2	599102	2 - Year	2609	1009.49	1017.3		1017.38	0.000763	2.39
Reach 2	599102	5 - Year	20273	1009.49	1023.63		1024.58	0.002828	7.95
Reach 2	599102	10 - Year	35468	1009.49	1026.91		1028.5	0.00348	10.44
Reach 2	599102	50 - Year	78023	1009.49	1033.97		1034.76	0.001621	9.27
Reach 2	599102	100 - Year	93085	1009.49	1036.27		1036.81	0.00112	8.24
Reach 2	599102	500 - Year	134370	1009.49	1039.28		1039.79	0.00104	8.59
Reach 2	598939	2 - Year	2609	1012	1017.1		1017.2	0.001807	2.48
Reach 2	598939	5 - Year	20273	1012	1023.23		1023.94	0.003701	6.86
Reach 2	598939	10 - Year	35468	1012	1026.7		1027.59	0.003401	8.06
Reach 2	598939	50 - Year	78023	1012	1033.96		1034.32	0.00121	6.44
Reach 2	598939	100 - Year	93085	1012	1036.23		1036.52	0.000888	5.92
Reach 2	598939	500 - Year	134370	1012	1039.23		1039.53	0.000868	6.35
Reach 2	598524	2 - Year	2609	1009.44	1014.1	1014.1	1014.89	0.048609	7.11
Reach 2	598524	5 - Year	20273	1009.44	1021.91		1022.41	0.003358	6.29
Reach 2	598524	10 - Year	35468	1009.44	1025.67		1026.26	0.002618	6.98
Reach 2	598524	50 - Year	78023	1009.44	1033.52		1033.87	0.001211	6.51
Reach 2	598524	100 - Year	93085	1009.44	1035.93		1036.2	0.000871	5.93
Reach 2	598524	500 - Year	134370	1009.44	1038.94		1039.22	0.000851	6.36
Reach 2	598231	2 - Year	2609	1001.32	1011.23		1011.52	0.003351	4.31
Reach 2	598231	5 - Year	20273	1001.32	1021.26		1021.72	0.00219	6.36
Reach 2	598231	10 - Year	35468	1001.32	1025.22		1025.71	0.001799	6.88
Reach 2	598231	50 - Year	78023	1001.32	1033.09		1033.56	0.001308	7.55
Reach 2	598231	100 - Year	93085	1001.32	1035.26		1035.85	0.001611	8.86
Reach 2	598231	500 - Year	134370	1001.32	1038.44		1038.94	0.001364	8.78
Reach 2	598010	2 - Year	2609	1001.25	1010.71		1010.89	0.002101	3.44
Reach 2	598010	5 - Year	20273	1001.25	1020.76		1021.28	0.002001	6.47

Reach 2	598010	10 - Year	35468	1001.25	1024.91		1025.37	0.001537	6.71
Reach 2	598010	50 - Year	78023	1001.25	1032.83		1033.32	0.001215	7.56
Reach 2	598010	100 - Year	93085	1001.25	1034.78		1035.49	0.0017	9.38
Reach 2	598010	500 - Year	134370	1001.25	1038.11		1038.66	0.001363	9.04
Reach 2	597607	2 - Year	2609	999.67	1009.59		1009.89	0.002761	4.38
Reach 2	597607	5 - Year	20273	999.67	1019.53		1020.31	0.00335	8.38
Reach 2	597607	10 - Year	35468	999.67	1024.32		1024.83	0.001913	7.63
Reach 2	597607	50 - Year	78023	999.67	1032.47		1032.95	0.001371	8.14
Reach 2	597607	100 - Year	93085	999.67	1034.04		1034.86	0.002321	10.98
Reach 2	597607	500 - Year	134370	999.67	1037.67		1038.24	0.001653	10.02
Reach 2	597272	2 - Year	2609	997.92	1009.2		1009.32	0.00098	2.81
Reach 2	597272	5 - Year	20273	997.92	1018.93		1019.49	0.001594	6.73
Reach 2	597272	10 - Year	35468	997.92	1023.45		1024.2	0.001682	8.16
Reach 2	597272	50 - Year	78023	997.92	1031.46		1032.39	0.001641	10.05
Reach 2	597272	100 - Year	93085	997.92	1033.21		1034.18	0.001689	10.61
Reach 2	597272	500 - Year	134370	997.92	1036.48		1037.58	0.001914	12.1
Reach 2	596955	2 - Year	2609	996.33	1009		1009.08	0.000509	2.25
Reach 2	596955	5 - Year	20273	996.33	1018.27		1018.95	0.001606	6.93
Reach 2	596955	10 - Year	35468	996.33	1022.38		1023.5	0.002065	9.12
Reach 2	596955	50 - Year	78023	996.33	1029.59		1031.46	0.002667	12.66
Reach 2	596955	100 - Year	93085	996.33	1031.06		1033.15	0.00291	13.69
Reach 2	596955	500 - Year	134370	996.33	1035		1036.71	0.002472	13.73
Reach 2	596675	2 - Year	2609	1000	1008.86		1008.93	0.000545	2.2
Reach 2	596675	5 - Year	20273	1000	1017.87		1018.47	0.001507	6.51
Reach 2	596675	10 - Year	35468	1000	1021.91		1022.88	0.001886	8.49
Reach 2	596675	50 - Year	78023	1000	1028.88		1030.69	0.002611	12.24
Reach 2	596675	100 - Year	93085	1000	1030.07		1032.28	0.003075	13.68
Reach 2	596675	500 - Year	134370	1000	1032.52	1026	1035.47	0.004018	16.54
Reach 2	596362	2 - Year	2609	1004	1008.46		1008.61	0.002178	3.12
Reach 2	596362	5 - Year	20273	1004	1017.38		1017.93	0.001835	6.33
Reach 2	596362	10 - Year	35468	1004	1021.33		1022.2	0.002125	8.15
Reach 2	596362	50 - Year	78023	1004	1028.12		1029.77	0.002776	11.69
Reach 2	596362	100 - Year	93085	1004	1029.24	1020.01	1031.16	0.003159	12.86
Reach 2	596362	500 - Year	134370	1004	1031.33	1024.78	1034.05	0.004335	15.9
Reach 2	596162	2 - Year	2609	1002	1008.05		1008.22	0.001717	3.25
Reach 2	596162	5 - Year	20273	1002	1016.87		1017.53	0.001799	7
Reach 2	596162	10 - Year	35468	1002	1020.99		1021.79	0.001685	8.12
Reach 2	596162	50 - Year	78023	1002	1027.9		1029.08	0.001864	10.7
Reach 2	596162	100 - Year	93085	1002	1028.93		1030.41	0.002264	12.12
Reach 2	596162	500 - Year	134370	1002	1031.2		1032.85	0.0026	13.76

Reach 2	595962	2 - Year	2609	1003.14	1007.31		1007.64	0.00525	4.63
Reach 2	595962	5 - Year	20273	1003.14	1016.39		1017.12	0.002277	7.45
Reach 2	595962	10 - Year	35468	1003.14	1020.37		1021.38	0.002295	9.05
Reach 2	595962	50 - Year	78023	1003.14	1027.39		1028.68	0.002197	11.27
Reach 2	595962	100 - Year	93085	1003.14	1028.22		1029.91	0.002784	12.98
Reach 2	595962	500 - Year	134370	1003.14	1030.7		1032.32	0.002779	13.85
Reach 2	595494	2 - Year	2616	998.54	1006.19		1006.37	0.001571	3.37
Reach 2	595494	5 - Year	20323	998.54	1015.26		1016.09	0.002098	7.85
Reach 2	595494	10 - Year	35288	998.54	1019.32		1020.36	0.002061	9.23
Reach 2	595494	50 - Year	78359	998.54	1025.95		1027.55	0.002529	12.59
Reach 2	595494	100 - Year	93736	998.54	1027.11		1028.64	0.002483	12.87
Reach 2	595494	500 - Year	134739	998.54	1029.62		1031.06	0.002436	13.56
Reach 2	595010	2 - Year	2616	996.74	1005.24		1005.49	0.002098	3.99
Reach 2	595010	5 - Year	20323	996.74	1013.71		1014.92	0.002701	9.33
Reach 2	595010	10 - Year	35288	996.74	1017.96		1019.31	0.00232	10.46
Reach 2	595010	50 - Year	78359	996.74	1024.63		1026.39	0.002448	13.39
Reach 2	595010	100 - Year	93736	996.74	1025.93		1027.53	0.002305	13.47
Reach 2	595010	500 - Year	134739	996.74	1028.48		1029.99	0.002244	14.18
Reach 2	594562	2 - Year	2616	992.67	1004.94		1005.03	0.00051	2.48
Reach 2	594562	5 - Year	20323	992.67	1013.2		1013.93	0.001423	7.27
Reach 2	594562	10 - Year	35288	992.67	1017.43		1018.38	0.001465	8.75
Reach 2	594562	50 - Year	78359	992.67	1024.45		1025.38	0.001277	10.1
Reach 2	594562	100 - Year	93736	992.67	1025.65		1026.58	0.001301	10.51
Reach 2	594562	500 - Year	134739	992.67	1028.01		1029.06	0.001475	11.84
Reach 2	594196	2 - Year	2616	992.67	1004.67		1004.8	0.000811	2.86
Reach 2	594196	5 - Year	20323	992.67	1012.64		1013.38	0.001672	7.5
Reach 2	594196	10 - Year	35288	992.67	1016.91		1017.85	0.001612	8.85
Reach 2	594196	50 - Year	78359	992.67	1023.81		1024.9	0.001552	10.82
Reach 2	594196	100 - Year	93736	992.67	1025.04		1026.11	0.001548	11.16
Reach 2	594196	500 - Year	134739	992.67	1027.57		1028.57	0.001494	11.68
Reach 2	593769	2 - Year	2616	1000	1004		1004.21	0.002761	3.65
Reach 2	593769	5 - Year	20323	1000	1011.82		1012.61	0.002061	7.35
Reach 2	593769	10 - Year	35288	1000	1016.22		1017.17	0.001711	8.4
Reach 2	593769	50 - Year	78359	1000	1023.22		1024.31	0.001479	10.05
Reach 2	593769	100 - Year	93736	1000	1024.25		1025.48	0.001642	10.91
Reach 2	593769	500 - Year	134739	1000	1026.85		1027.98	0.001557	11.4
Reach 2	593257	2 - Year	2616	992.49	1001.84		1002.22	0.005653	4.91
Reach 2	593257	5 - Year	20323	992.49	1010.36		1011.4	0.002648	8.44
Reach 2	593257	10 - Year	35288	992.49	1014.59		1016.07	0.002562	10.28
Reach 2	593257	50 - Year	78359	992.49	1022.16		1023.48	0.001794	11.22
Reach 2	593257	100 - Year	93736	992.49	1023.35		1024.63	0.001775	11.54

Reach 2	593257	500 - Year	134739	992.49	1025.87		1027.14	0.001796	12.41
Reach 2	592861	2 - Year	2616	991.58	1001.61		1001.7	0.00045	2.32
Reach 2	592861	5 - Year	20323	991.58	1009.87		1010.59	0.00133	7.05
Reach 2	592861	10 - Year	35288	991.58	1014.02		1015.2	0.001595	9.15
Reach 2	592861	50 - Year	78359	991.58	1022		1022.81	0.001024	9.31
Reach 2	592861	100 - Year	93736	991.58	1023.21		1023.98	0.000999	9.47
Reach 2	592861	500 - Year	134739	991.58	1025.72		1026.48	0.001017	10.13
Reach 2	592429	2 - Year	2616	990.42	1001.37		1001.46	0.000665	2.47
Reach 2	592429	5 - Year	20323	990.42	1009.22		1009.97	0.00156	7.03
Reach 2	592429	10 - Year	35288	990.42	1013.46		1014.47	0.001552	8.51
Reach 2	592429	50 - Year	78359	990.42	1021.82		1022.36	0.000742	7.69
Reach 2	592429	100 - Year	93736	990.42	1022.94		1023.55	0.000824	8.34
Reach 2	592429	500 - Year	134739	990.42	1025.28		1026.05	0.001025	9.85
Reach 2	592098	2 - Year	2616	992.67	1000.92		1001.07	0.002455	3.14
Reach 2	592098	5 - Year	20323	992.67	1008.6		1009.3	0.002675	7
Reach 2	592098	10 - Year	35288	992.67	1012.83		1013.83	0.002613	8.55
Reach 2	592098	50 - Year	78359	992.67	1020.99		1021.98	0.001869	9.58
Reach 2	592098	100 - Year	93736	992.67	1022.1		1023.13	0.001949	10.08
Reach 2	592098	500 - Year	134739	992.67	1024.4		1025.57	0.002204	11.37
Reach 2	591898	2 - Year	2616	992.08	1000.07		1000.4	0.004578	4.61
Reach 2	591898	5 - Year	20323	992.08	1007.33		1008.51	0.005473	9.34
Reach 2	591898	10 - Year	35288	992.08	1012.01		1013.2	0.003613	9.76
Reach 2	591898	50 - Year	78359	992.08	1020.22		1021.5	0.002733	11.36
Reach 2	591898	100 - Year	93736	992.08	1021.37		1022.65	0.002746	11.76
Reach 2	591898	500 - Year	134739	992.08	1023.85		1025.08	0.002688	12.41
Reach 2	591695	2 - Year	2616	990.92	999.03		999.37	0.005719	5.21
Reach 2	591695	5 - Year	20323	990.92	1007.38		1007.57	0.001239	4.11
Reach 2	591695	10 - Year	35288	990.92	1012.19		1012.42	0.000848	4.52
Reach 2	591695	50 - Year	78359	990.92	1020.33		1020.75	0.001107	7.02
Reach 2	591695	100 - Year	93736	990.92	1021.45		1021.91	0.001164	7.44
Reach 2	591695	500 - Year	134739	990.92	1023.86		1024.38	0.001251	8.23
Reach 2	591409	2 - Year	2616	988.08	998.29		998.46	0.001803	3.68
Reach 2	591409	5 - Year	20323	988.08	1007.13		1007.27	0.000756	3.63
Reach 2	591409	10 - Year	35288	988.08	1012.02		1012.2	0.000588	4.09
Reach 2	591409	50 - Year	78359	988.08	1020.16		1020.44	0.000765	6.14
Reach 2	591409	100 - Year	93736	988.08	1021.28		1021.58	0.000805	6.5
Reach 2	591409	500 - Year	134739	988.08	1023.66		1024.02	0.000909	7.33
Reach 2	590856	2 - Year	2616	990	997.67		997.74	0.000976	2.45
Reach 2	590856	5 - Year	20323	990	1006.85		1006.96	0.000467	3.36
Reach 2	590856	10 - Year	35288	990	1011.79		1011.93	0.00043	3.95

Reach 2	590856	50 - Year	78359	990	1019.87		1020.09	0.000549	5.66
Reach 2	590856	100 - Year	93736	990	1020.98		1021.21	0.000583	5.99
Reach 2	590856	500 - Year	134739	990	1023.32		1023.6	0.000683	6.83
Reach 2	590350	2 - Year	2616	988.51	997.23		997.29	0.000788	2.13
Reach 2	590350	5 - Year	20323	988.51	1006.29		1006.58	0.001196	4.98
Reach 2	590350	10 - Year	35288	988.51	1011.14		1011.56	0.00119	6.04
Reach 2	590350	50 - Year	78359	988.51	1019.33		1019.7	0.001005	7.06
Reach 2	590350	100 - Year	93736	988.51	1020.5		1020.83	0.000938	7.01
Reach 2	590350	500 - Year	134739	988.51	1022.88		1023.2	0.000928	7.36
Reach 2	589825	2 - Year	2616	980.83	996.95		997	0.000395	1.81
Reach 2	589825	5 - Year	20323	980.83	1005.19		1005.75	0.001706	6.1
Reach 2	589825	10 - Year	35288	980.83	1009.69		1010.61	0.002006	7.9
Reach 2	589825	50 - Year	78359	980.83	1017.59		1018.75	0.002011	9.93
Reach 2	589825	100 - Year	93736	980.83	1018.95		1019.96	0.001861	9.87
Reach 2	589825	500 - Year	134739	980.83	1021.66		1022.44	0.001604	9.74
Reach 2	589459	2 - Year	2616	984.81	996.68	990.91	996.76	0.001061	2.35
Reach 2	589459	5 - Year	20323	984.81	1004.28	998.09	1004.95	0.002543	6.73
Reach 2	589459	10 - Year	35288	984.81	1008.88	1000.99	1009.8	0.002451	8.12
Reach 2	589459	50 - Year	78359	984.81	1016.59	1006.69	1017.87	0.00249	10.48
Reach 2	589459	100 - Year	93736	984.81	1018.13	1008.91	1019.2	0.002176	10.2
Reach 2	589459	500 - Year	134739	984.81	1020.78	1012.62	1021.71	0.002026	10.49
Reach 2	589350		Culvert						
Reach 2	589245	2 - Year	2616	983.5	994.29		994.49	0.00263	3.58
Reach 2	589245	5 - Year	20323	983.5	1003.87		1004.67	0.002935	7.43
Reach 2	589245	10 - Year	35288	983.5	1008.46		1009.48	0.002689	8.69
Reach 2	589245	50 - Year	78359	983.5	1017.11		1017.75	0.001495	8.44
Reach 2	589245	100 - Year	93736	983.5	1018.58		1019.1	0.001303	8.16
Reach 2	589245	500 - Year	134739	983.5	1021.21		1021.61	0.001083	7.9
Reach 2	589138	2 - Year	2616	983.5	994.06		994.23	0.00199	3.35
Reach 2	589138	5 - Year	20323	983.5	1003.58		1004.33	0.002615	7.58
Reach 2	589138	10 - Year	35288	983.5	1008.2		1009.14	0.002505	8.88
Reach 2	589138	50 - Year	78359	983.5	1016.96		1017.54	0.001455	8.66
Reach 2	589138	100 - Year	93736	983.5	1018.44		1018.94	0.001309	8.5
Reach 2	589138	500 - Year	134739	983.5	1021.1		1021.48	0.001071	8.14
Reach 2	588781	2 - Year	2616	983.5	993.11		993.36	0.002883	4.01
Reach 2	588781	5 - Year	20323	983.5	1002.69		1003.36	0.00227	7.51
Reach 2	588781	10 - Year	35288	983.5	1007.53		1008.19	0.001716	7.93
Reach 2	588781	50 - Year	78359	983.5	1016.6		1017	0.000942	7.62
Reach 2	588781	100 - Year	93736	983.5	1018.1		1018.46	0.000874	7.6
Reach 2	588781	500 - Year	134739	983.5	1020.79		1021.1	0.000785	7.63

Reach 2	588284	2 - Year	2616	983.42	992.05		992.17	0.001898	2.75
Reach 2	588284	5 - Year	20323	983.42	1002.22		1002.54	0.000961	4.8
Reach 2	588284	10 - Year	35288	983.42	1007.08		1007.5	0.000901	5.68
Reach 2	588284	50 - Year	78359	983.42	1016.02		1016.54	0.000829	7.07
Reach 2	588284	100 - Year	93736	983.42	1017.49		1018.02	0.000835	7.35
Reach 2	588284	500 - Year	134739	983.42	1020.14		1020.67	0.000873	7.97
Reach 2	587528	2 - Year	2616	979.83	990.91		991.05	0.001173	3.03
Reach 2	587528	5 - Year	20323	979.83	1000.37		1001.24	0.002599	7.58
Reach 2	587528	10 - Year	35288	979.83	1005.11		1006.25	0.002395	8.93
Reach 2	587528	50 - Year	78359	979.83	1014.76		1015.68	0.001472	9.34
Reach 2	587528	100 - Year	93736	979.83	1016.37		1017.21	0.001376	9.38
Reach 2	587528	500 - Year	134739	979.83	1019.11		1019.89	0.001362	9.91
Reach 2	586704	2 - Year	2616	979.5	988.35		988.77	0.011128	5.16
Reach 2	586704	5 - Year	20323	979.5	998.81		999.24	0.001849	5.85
Reach 2	586704	10 - Year	35288	979.5	1003.91		1004.41	0.001497	6.56
Reach 2	586704	50 - Year	78359	979.5	1013.95		1014.48	0.001105	7.56
Reach 2	586704	100 - Year	93736	979.5	1015.6		1016.1	0.00106	7.69
Reach 2	586704	500 - Year	134739	979.5	1018.33		1018.82	0.001072	8.2
Reach 2	586149	2 - Year	2616	974.86	985.37		985.66	0.003294	4.3
Reach 2	586149	5 - Year	20323	974.86	997.28		998.05	0.002365	7.63
Reach 2	586149	10 - Year	35288	974.86	1002.61		1003.44	0.001972	8.42
Reach 2	586149	50 - Year	78359	974.86	1013.42		1013.89	0.000993	7.82
Reach 2	586149	100 - Year	93736	974.86	1015.15		1015.54	0.000869	7.58
Reach 2	586149	500 - Year	134739	974.86	1017.86		1018.25	0.000888	8.06
Reach 2	585592	2 - Year	2611	975.44	984.77		984.85	0.000723	2.31
Reach 2	585592	5 - Year	20291	975.44	996.53		997.05	0.001238	5.92
Reach 2	585592	10 - Year	35143	975.44	1001.69		1002.51	0.001448	7.58
Reach 2	585592	50 - Year	78186	975.44	1012.02		1013.16	0.001459	9.73
Reach 2	585592	100 - Year	93753	975.44	1013.98		1014.91	0.001273	9.45
Reach 2	585592	500 - Year	134663	975.44	1016.64		1017.59	0.001389	10.35
Reach 2	585195	2 - Year	2611	972.75	984.59		984.65	0.000362	2.02
Reach 2	585195	5 - Year	20291	972.75	996.08		996.62	0.00099	6.04
Reach 2	585195	10 - Year	35143	972.75	1001.05		1001.96	0.00128	8
Reach 2	585195	50 - Year	78186	972.75	1011.37		1012.61	0.001312	10.25
Reach 2	585195	100 - Year	93753	972.75	1013.24		1014.39	0.001267	10.43
Reach 2	585195	500 - Year	134663	972.75	1015.89		1017.04	0.001374	11.38
Reach 2	584740	2 - Year	2611	974.77	984.19		984.36	0.001224	3.31
Reach 2	584740	5 - Year	20291	974.77	994.86		995.91	0.002364	8.68
Reach 2	584740	10 - Year	35143	974.77	999.54		1001.09	0.002731	10.94
Reach 2	584740	50 - Year	78186	974.77	1010.66		1011.92	0.001779	11.59

Reach 2	584740	100 - Year	93753	974.77	1012.64		1013.74	0.001615	11.48
Reach 2	584740	500 - Year	134663	974.77	1015.41		1016.33	0.001508	11.67
Reach 2	584036	2 - Year	2611	971.92	983.06		983.23	0.002235	3.64
Reach 2	584036	5 - Year	20291	971.92	993.83		994.3	0.001578	6.63
Reach 2	584036	10 - Year	35143	971.92	998.62		999.24	0.001554	7.86
Reach 2	584036	50 - Year	78186	971.92	1009.83		1010.61	0.001425	10.07
Reach 2	584036	100 - Year	93753	971.92	1011.98		1012.58	0.001151	9.45
Reach 2	584036	500 - Year	134663	971.92	1014.76		1015.28	0.001087	9.68
Reach 2	583454	2 - Year	2611	967.91	981.71		981.99	0.002043	4.23
Reach 2	583454	5 - Year	20291	967.91	993.13		993.49	0.001263	5.35
Reach 2	583454	10 - Year	35143	967.91	998.05		998.47	0.00104	5.98
Reach 2	583454	50 - Year	78186	967.91	1009.36		1009.93	0.000866	7.51
Reach 2	583454	100 - Year	93753	967.91	1011.6		1012.05	0.000698	7.08
Reach 2	583454	500 - Year	134663	967.91	1014.32		1014.8	0.000772	7.86
Reach 2	583006	2 - Year	2611	973.92	980.3		980.64	0.004708	4.7
Reach 2	583006	5 - Year	20291	973.92	991.87		992.62	0.002586	7.54
Reach 2	583006	10 - Year	35143	973.92	997.16		997.83	0.001796	7.7
Reach 2	583006	50 - Year	78186	973.92	1008.28		1009.3	0.001733	10.14
Reach 2	583006	100 - Year	93753	973.92	1011.14		1011.67	0.001038	8.31
Reach 2	583006	500 - Year	134663	973.92	1013.93		1014.44	0.001034	8.75
Reach 2	582502	2 - Year	2611	967.11	979.86		979.93	0.000498	2.19
Reach 2	582502	5 - Year	20291	967.11	990.98		991.61	0.001488	6.48
Reach 2	582502	10 - Year	35143	967.11	995.86		996.86	0.001822	8.4
Reach 2	582502	50 - Year	78186	967.11	1006.03		1008.04	0.002382	12.24
Reach 2	582502	100 - Year	93753	967.11	1009.41		1010.81	0.001735	11.14
Reach 2	582502	500 - Year	134663	967.11	1012.6		1013.71	0.001556	11.16
Reach 2	582115	2 - Year	2611	972	979.11		979.44	0.003941	4.61
Reach 2	582115	5 - Year	20291	972	989.72		990.72	0.002928	8.28
Reach 2	582115	10 - Year	35143	972	994.78		995.99	0.002517	9.47
Reach 2	582115	50 - Year	78186	972	1004.96		1006.74	0.002331	12.17
Reach 2	582115	100 - Year	93753	972	1007.86		1009.86	0.002377	13.11
Reach 2	582115	500 - Year	134663	972	1011.19		1012.85	0.002159	13.35
Reach 2	581611	2 - Year	2611	968.22	977.27		977.59	0.00343	4.54
Reach 2	581611	5 - Year	20291	968.22	988.42		989.3	0.002601	7.76
Reach 2	581611	10 - Year	35143	968.22	993.59		994.76	0.002352	9.15
Reach 2	581611	50 - Year	78186	968.22	1003.65		1005.57	0.002334	12.15
Reach 2	581611	100 - Year	93753	968.22	1006.03	994.23	1008.54	0.002733	13.86
Reach 2	581611	500 - Year	134663	968.22	1009.77		1011.72	0.002318	13.76
Reach 2	581009	2 - Year	2611	965.8	975.49	971.79	975.73	0.002726	3.93
Reach 2	581009	5 - Year	20291	965.8	987.11	979.5	987.88	0.00204	7.09

Reach 2	581009	10 - Year	35143	965.8	992.32	982.86	993.44	0.002011	8.67
Reach 2	581009	50 - Year	78186	965.8	1002.32	990.24	1004.23	0.002126	11.76
Reach 2	581009	100 - Year	93753	965.8	1004.91	992.27	1006.89	0.00208	12.3
Reach 2	581009	500 - Year	134663	965.8	1008.83	997.44	1010.4	0.00179	12.32
Reach 2	580436	2 - Year	2611	964.92	974.27		974.47	0.001743	3.59
Reach 2	580436	5 - Year	20291	964.92	986.12		986.78	0.001656	6.8
Reach 2	580436	10 - Year	35143	964.92	991.53		992.3	0.001426	7.7
Reach 2	580436	50 - Year	78186	964.92	1001.91		1002.84	0.001218	9.29
Reach 2	580436	100 - Year	93753	964.92	1004.52		1005.5	0.001229	9.84
Reach 2	580436	500 - Year	134663	964.92	1008.38		1009.25	0.001154	10.24
Reach 2	579980	2 - Year	2611	965.53	973.11		973.43	0.002929	4.51
Reach 2	579980	5 - Year	20291	965.53	984.8		985.75	0.002896	8.12
Reach 2	579980	10 - Year	35143	965.53	990.31		991.43	0.002337	9.16
Reach 2	579980	50 - Year	78186	965.53	1000.58		1002.04	0.001992	11.26
Reach 2	579980	100 - Year	93753	965.53	1002.86		1004.61	0.002196	12.43
Reach 2	579980	500 - Year	134663	965.53	1007.03		1008.48	0.001902	12.57
Reach 2	579307	2 - Year	2611	961.53	971.57		971.76	0.001972	3.51
Reach 2	579307	5 - Year	20291	961.53	983.72		984.27	0.001363	6.2
Reach 2	579307	10 - Year	35143	961.53	989.32		990.11	0.00134	7.53
Reach 2	579307	50 - Year	78186	961.53	999.47		1000.85	0.001552	10.51
Reach 2	579307	100 - Year	93753	961.53	1002.02		1003.22	0.001353	10.34
Reach 2	579307	500 - Year	134663	961.53	1006.26		1007.29	0.001204	10.54
Reach 2	578618	2 - Year	2611	960.95	970.65		970.77	0.001032	2.86
Reach 2	578618	5 - Year	20291	960.95	982.74		983.35	0.001298	6.42
Reach 2	578618	10 - Year	35143	960.95	988.27		989.16	0.00138	7.97
Reach 2	578618	50 - Year	78186	960.95	997.5		999.49	0.002034	12.14
Reach 2	578618	100 - Year	93753	960.95	1000.03		1001.95	0.001916	12.4
Reach 2	578618	500 - Year	134663	960.95	1003.18	990.59	1005.73	0.002484	14.96
Reach 2	578131	2 - Year	2611	959.08	970.3		970.39	0.000562	2.41
Reach 2	578131	5 - Year	20291	959.08	982.08		982.72	0.001275	6.45
Reach 2	578131	10 - Year	35143	959.08	987.41		988.43	0.001496	8.33
Reach 2	578131	50 - Year	78186	959.08	996.61		998.48	0.001936	11.86
Reach 2	578131	100 - Year	93753	959.08	999.24		1000.98	0.001771	11.95
Reach 2	578131	500 - Year	134663	959.08	1002.41		1004.36	0.002038	13.59
Reach 2	577776	2 - Year	2611	961.29	969.97		970.09	0.001323	2.81
Reach 2	577776	5 - Year	20291	961.29	981.71		982.22	0.001196	5.75
Reach 2	577776	10 - Year	35143	961.29	987.01		987.84	0.001324	7.35
Reach 2	577776	50 - Year	78186	961.29	996.13		997.69	0.001663	10.5
Reach 2	577776	100 - Year	93753	961.29	998.88		1000.22	0.001419	10.28
Reach 2	577776	500 - Year	134663	961.29	1002		1003.48	0.001604	11.61

Reach 2	577429	2 - Year	2611	959.31	969.62		969.73	0.000805	2.6
Reach 2	577429	5 - Year	20291	959.31	980.8		981.61	0.001941	7.33
Reach 2	577429	10 - Year	35143	959.31	985.78		987.09	0.002354	9.52
Reach 2	577429	50 - Year	78186	959.31	993.96		996.58	0.003425	14.09
Reach 2	577429	100 - Year	93753	959.31	995.85	985.84	998.95	0.003849	15.54
Reach 2	577429	500 - Year	134663	959.31	999.68	992.62	1002.36	0.003554	16.07
Reach 2	576961	2 - Year	2676	956.4	969.48		969.52	0.000181	1.67
Reach 2	576961	5 - Year	20789	956.4	980.31		980.79	0.000812	5.78
Reach 2	576961	10 - Year	35477	956.4	985.2		985.97	0.001031	7.5
Reach 2	576961	50 - Year	80250	956.4	993.04		994.78	0.001795	11.83
Reach 2	576961	100 - Year	97050	956.4	994.77		996.93	0.002134	13.33
Reach 2	576961	500 - Year	138002	956.4	998.54		1000.76	0.002223	14.57
Reach 2	576557	2 - Year	2676	962.94	969.13		969.3	0.002311	3.43
Reach 2	576557	5 - Year	20789	962.94	979.76		980.33	0.001583	6.49
Reach 2	576557	10 - Year	35477	962.94	984.54		985.41	0.001727	8.16
Reach 2	576557	50 - Year	80250	962.94	991.84		993.84	0.002788	12.79
Reach 2	576557	100 - Year	97050	962.94	993.52		995.87	0.003133	14.11
Reach 2	576557	500 - Year	138002	962.94	996.23	987.52	999.35	0.004003	16.94
Reach 2	576302	2 - Year	2676	961	968.69		968.84	0.001326	3.02
Reach 2	576302	5 - Year	20789	961	978.89		979.73	0.002033	7.59
Reach 2	576302	10 - Year	35477	961	983.4		984.69	0.002329	9.62
Reach 2	576302	50 - Year	80250	961	991.27		992.84	0.002317	11.95
Reach 2	576302	100 - Year	97050	961	992.98		994.55	0.002313	12.43
Reach 2	576302	500 - Year	138002	961	995.61		997.51	0.002795	14.46
Reach 2	576021	2 - Year	2676	958.5	968.42		968.53	0.000836	2.76
Reach 2	576021	5 - Year	20789	958.5	978.22		979.13	0.002117	7.99
Reach 2	576021	10 - Year	35477	958.5	982.75		984.04	0.002336	9.87
Reach 2	576021	50 - Year	80250	958.5	990.55		992.16	0.002419	12.39
Reach 2	576021	100 - Year	97050	958.5	992.14		993.83	0.002535	13.15
Reach 2	576021	500 - Year	138002	958.5	994.91		996.65	0.002703	14.39
Reach 2	575522	2 - Year	2676	956.29	968.22		968.28	0.000292	1.99
Reach 2	575522	5 - Year	20789	956.29	977.51		978.21	0.001412	7.01
Reach 2	575522	10 - Year	35477	956.29	981.89		982.98	0.001752	9
Reach 2	575522	50 - Year	80250	956.29	989.47		991.02	0.002108	11.97
Reach 2	575522	100 - Year	97050	956.29	990.79		992.59	0.00242	13.19
Reach 2	575522	500 - Year	138002	956.29	993.54		995.35	0.002552	14.32
Reach 2	574986	2 - Year	2676	952.98	968.16	958.24	968.2	0.000091	1.44
Reach 2	574986	5 - Year	20789	952.98	977.17	965.19	977.68	0.000616	5.76
Reach 2	574986	10 - Year	35477	952.98	981.39	968.64	982.28	0.000856	7.76
Reach 2	574986	50 - Year	80250	952.98	988.12	976.45	990.05	0.001484	12.11
Reach 2	574986	100 - Year	97050	952.98	989.59	979.55	991.55	0.001538	12.74

Reach 2	574986	500 - Year	138002	952.98	991.83	985.05	994.14	0.001878	14.73
Reach 2	574342	2 - Year	2676	956.28	968.1	960.63	968.13	0.000129	1.4
Reach 2	574342	5 - Year	20789	956.28	976.89	966.44	977.23	0.00052	4.78
Reach 2	574342	10 - Year	35477	956.28	981.07	969.15	981.65	0.000654	6.25
Reach 2	574342	50 - Year	80250	956.28	987.69	975.55	988.88	0.001043	9.54
Reach 2	574342	100 - Year	97050	956.28	989.1	977.44	990.38	0.001117	10.21
Reach 2	574342	500 - Year	138002	956.28	991.37	981.42	992.69	0.001224	11.25
Reach 2	573455	2 - Year	2676	956	967.89	960.93	967.95	0.000308	2.06
Reach 2	573455	5 - Year	20789	956	975.97	968.32	976.55	0.001157	6.29
Reach 2	573455	10 - Year	35477	956	979.96	971.7	980.83	0.001281	7.86
Reach 2	573455	50 - Year	80250	956	986.14	978.04	987.68	0.001774	11.31
Reach 2	573455	100 - Year	97050	956	987.32	979.82	989.06	0.001982	12.35
Reach 2	573455	500 - Year	138002	956	989.76	984	991.36	0.001928	12.96
Reach 2	572822	2 - Year	2676	953.21	967.81	957.05	967.84	0.000106	1.38
Reach 2	572822	5 - Year	20789	953.21	975.55	964.52	975.95	0.000677	5.13
Reach 2	572822	10 - Year	35477	953.21	979.43	968.65	980.12	0.000875	6.8
Reach 2	572822	50 - Year	80250	953.21	985.32	974.99	986.66	0.001356	10.16
Reach 2	572822	100 - Year	97050	953.21	986.37	976.94	987.92	0.001557	11.19
Reach 2	572822	500 - Year	138002	953.21	988.81	981.82	990.26	0.001548	11.85
Reach 2	572152	2 - Year	2676	957.68	967.65	962.77	967.71	0.000409	1.86
Reach 2	572152	5 - Year	20789	957.68	974.91	968.21	975.38	0.001049	5.55
Reach 2	572152	10 - Year	35477	957.68	978.69	970.46	979.44	0.001172	7.05
Reach 2	572152	50 - Year	80250	957.68	984.06	975.92	985.6	0.001819	10.68
Reach 2	572152	100 - Year	97050	957.68	985.26	977.62	986.79	0.00183	11.12
Reach 2	572152	500 - Year	138002	957.68	987.67	981.48	989.16	0.001818	11.87
Reach 2	571681	2 - Year	2676	960.8	967.24	964.95	967.36	0.001381	2.85
Reach 2	571681	5 - Year	20789	960.8	974.12	969.54	974.72	0.001754	6.6
Reach 2	571681	10 - Year	35477	960.8	978.08	971.93	978.82	0.001502	7.57
Reach 2	571681	50 - Year	80250	960.8	983.78	976.75	984.48	0.001258	8.65
Reach 2	571681	100 - Year	97050	960.8	985.03	978.43	985.68	0.001175	8.7
Reach 2	571681	500 - Year	138002	960.8	987.47	983.38	988.08	0.001092	9.02
Reach 2	571085	2 - Year	2676	959.89	964.96	963.97	965.48	0.012033	5.81
Reach 2	571085	5 - Year	20789	959.89	972.9	969.19	973.36	0.002904	5.96
Reach 2	571085	10 - Year	35477	959.89	977.53	971.36	977.87	0.001329	5.42
Reach 2	571085	50 - Year	80250	959.89	983.54	975.05	983.79	0.000788	5.38
Reach 2	571085	100 - Year	97050	959.89	984.78	976	985.03	0.000767	5.53
Reach 2	571085	500 - Year	138002	959.89	987.2	978.4	987.47	0.000776	6
Reach 2	570449	2 - Year	2676	953.03	959.91	957.64	960.38	0.005711	5.5
Reach 2	570449	5 - Year	20789	953.03	970.97	965.88	971.73	0.002578	7.69
Reach 2	570449	10 - Year	35477	953.03	975.86	968.45	976.83	0.002288	8.9

Reach 2	570449	50 - Year	80250	953.03	982.94	974.35	983.28	0.000966	7.19
Reach 2	570449	100 - Year	97050	953.03	984.23	977.73	984.55	0.000908	7.2
Reach 2	570449	500 - Year	138002	953.03	986.66	979.88	986.99	0.000891	7.56
Reach 2	569930	2 - Year	2673	951.91	958.75	954.8	958.91	0.001412	3.17
Reach 2	569930	5 - Year	20765	951.91	969.86	961.72	970.62	0.00202	7.01
Reach 2	569930	10 - Year	35284	951.91	974.67	965.31	975.76	0.002045	8.58
Reach 2	569930	50 - Year	80217	951.91	982.41	972.91	982.85	0.000911	7.19
Reach 2	569930	100 - Year	97079	951.91	983.72	976	984.14	0.000882	7.31
Reach 2	569930	500 - Year	138061	951.91	986.15	979.29	986.59	0.000912	7.85
Reach 2	569134	2 - Year	2673	947.47	957.46		957.66	0.001727	3.59
Reach 2	569134	5 - Year	20765	947.47	967.59		968.67	0.002878	8.56
Reach 2	569134	10 - Year	35284	947.47	972.33		973.82	0.00291	10.36
Reach 2	569134	50 - Year	80217	947.47	977.99	974.02	980.97	0.004765	15.72
Reach 2	569134	100 - Year	97079	947.47	979.87	975.71	982.49	0.00426	15.59
Reach 2	569134	500 - Year	138061	947.47	983.21		985.25	0.003524	15.33
Reach 2	568409	2 - Year	2673	950.05	955.64	953.65	955.92	0.00338	4.24
Reach 2	568409	5 - Year	20765	950.05	965.64	959.79	966.74	0.002558	8.64
Reach 2	568409	10 - Year	35284	950.05	970.21	963.13	971.83	0.002653	10.65
Reach 2	568409	50 - Year	80217	950.05	976.15	971.05	977.76	0.002553	12.58
Reach 2	568409	100 - Year	97079	950.05	978.23	974.53	979.76	0.002372	12.81
Reach 2	568409	500 - Year	138061	950.05	982.08	977.25	983.18	0.001751	12.05
Reach 2	567722	2 - Year	2673	944.99	954.04	951.04	954.21	0.00183	3.53
Reach 2	567722	5 - Year	20765	944.99	965.13	956.89	965.43	0.00085	5.37
Reach 2	567722	10 - Year	35284	944.99	969.98	959.19	970.34	0.000778	6.14
Reach 2	567722	50 - Year	80217	944.99	975.6	964.25	976.19	0.001163	8.83
Reach 2	567722	100 - Year	97079	944.99	977.73	965.93	978.3	0.001079	8.95
Reach 2	567722	500 - Year	138061	944.99	981.48	969.6	982.1	0.001078	9.72
Reach 2	566980	2 - Year	2673	941.67	952.37	948.78	952.67	0.002396	4.36
Reach 2	566980	5 - Year	20765	941.67	963.04	957.56	964.24	0.002647	9.35
Reach 2	566980	10 - Year	35284	941.67	967.72	961.55	969.18	0.002522	10.87
Reach 2	566980	50 - Year	80217	941.67	974.02	969.58	975.14	0.001984	11.56
Reach 2	566980	100 - Year	97079	941.67	976.15	970.91	977.3	0.001952	12.06
Reach 2	566980	500 - Year	138061	941.67	980.01	973.04	981.16	0.001833	12.72
Reach 2	566158	2 - Year	2673	941.49	950.76	946.66	950.98	0.001711	3.78
Reach 2	566158	5 - Year	20765	941.49	961.32	954.8	962.22	0.001952	8.03
Reach 2	566158	10 - Year	35284	941.49	965.74	957.98	967.17	0.002303	10.33
Reach 2	566158	50 - Year	80217	941.49	972.13	962.92	973.41	0.002018	11.65
Reach 2	566158	100 - Year	97079	941.49	974.32	965.45	975.62	0.001944	12.06
Reach 2	566158	500 - Year	138061	941.49	978.15	970.92	979.51	0.001904	12.99
Reach 2	565406	2 - Year	2673	939.94	948.86	945.85	949.23	0.003142	4.89

Reach 2	565406	5 - Year	20765	939.94	958.08	954.68	959.82	0.004757	10.96
Reach 2	565406	10 - Year	35284	939.94	961.82	958.11	964.38	0.005222	13.61
Reach 2	565406	50 - Year	80217	939.94	969.23	965.85	971.31	0.003611	14.48
Reach 2	565406	100 - Year	97079	939.94	971.64	967.3	973.66	0.003303	14.76
Reach 2	565406	500 - Year	138061	939.94	975.84	969.99	977.74	0.002901	15.26
Reach 2	564668	2 - Year	2673	940	947.13	943.82	947.35	0.002016	3.79
Reach 2	564668	5 - Year	20765	940	955.58	950.91	956.69	0.003392	8.49
Reach 2	564668	10 - Year	35284	940	959.29	953.94	960.97	0.003567	10.56
Reach 2	564668	50 - Year	80217	940	967.67	962.79	969.12	0.002207	11.2
Reach 2	564668	100 - Year	97079	940	970.27	964.15	971.67	0.00196	11.33
Reach 2	564668	500 - Year	138061	940	974.19	966.73	975.92	0.002144	13.02
Reach 2	564360	2 - Year	2673	939.09	945.89	944.61	946.33	0.006067	5.34
Reach 2	564360	5 - Year	20765	939.09	954.41	950.66	955.62	0.003481	8.84
Reach 2	564360	10 - Year	35284	939.09	958.1	953.45	959.89	0.003383	10.79
Reach 2	564360	50 - Year	80217	939.09	966.45	959.49	968.37	0.002305	12.3
Reach 2	564360	100 - Year	97079	939.09	969.75	962.62	971.13	0.00157	11.15
Reach 2	564360	500 - Year	138061	939.09	974.08	967.93	975.25	0.001257	11.1
Reach 2	564044	2 - Year	2680	936.24	945.39		945.55	0.001126	3.26
Reach 2	564044	5 - Year	20823	936.24	953.65		954.71	0.002221	8.56
Reach 2	564044	10 - Year	35300	936.24	957.62		958.91	0.0021	9.94
Reach 2	564044	50 - Year	80482	936.24	966.07		967.63	0.001798	12.04
Reach 2	564044	100 - Year	97465	936.24	968.64		970.54	0.001944	13.35
Reach 2	564044	500 - Year	138462	936.24	973.3		974.8	0.001504	13.01
Reach 2	563644	2 - Year	2680	936.67	945.06		945.18	0.000731	2.81
Reach 2	563644	5 - Year	20823	936.67	953.12		953.84	0.001652	7.17
Reach 2	563644	10 - Year	35300	936.67	957.16		958.06	0.001555	8.39
Reach 2	563644	50 - Year	80482	936.67	965.55		966.88	0.001498	10.83
Reach 2	563644	100 - Year	97465	936.67	967.97		969.74	0.001746	12.43
Reach 2	563644	500 - Year	138462	936.67	972.36		974.11	0.001607	13.17
Reach 2	563150	2 - Year	2680	937.2	944.37	942.69	944.55	0.002669	3.43
Reach 2	563150	5 - Year	20823	937.2	952.53	947.21	953.04	0.001387	6.07
Reach 2	563150	10 - Year	35300	937.2	956.62	949.42	957.32	0.001282	7.2
Reach 2	563150	50 - Year	80482	937.2	965.11	954.19	966.16	0.001186	9.33
Reach 2	563150	100 - Year	97465	937.2	967.39	955.86	968.69	0.001303	10.4
Reach 2	563150	500 - Year	138462	937.2	972.11	959.75	973.32	0.001106	10.71
Reach 2	562640	2 - Year	2680	936.83	942.91		943.11	0.003024	3.58
Reach 2	562640	5 - Year	20823	936.83	951.91		952.39	0.001161	5.58
Reach 2	562640	10 - Year	35300	936.83	956.02		956.71	0.001133	6.8
Reach 2	562640	50 - Year	80482	936.83	964.07		965.49	0.001354	9.86
Reach 2	562640	100 - Year	97465	936.83	966.51		968.02	0.001316	10.38
Reach 2	562640	500 - Year	138462	936.83	971.25		972.73	0.001162	10.92

Reach 2	562254	2 - Year	2680	934.34	942.52	939.09	942.61	0.000646	2.39
Reach 2	562254	5 - Year	20823	934.34	951.35	944.03	951.94	0.00112	6.29
Reach 2	562254	10 - Year	35300	934.34	955.25	946.67	956.21	0.001328	8.1
Reach 2	562254	50 - Year	80482	934.34	963.29	953.08	964.91	0.001527	11.17
Reach 2	562254	100 - Year	97465	934.34	965.63	955.03	967.43	0.001562	11.97
Reach 2	562254	500 - Year	138462	934.34	970.41	959.9	972.21	0.001425	12.7
Reach 2	561988	2 - Year	2680	934.17	942.38	938.23	942.45	0.000491	2.25
Reach 2	561988	5 - Year	20823	934.17	951.03	943.55	951.64	0.001117	6.41
Reach 2	561988	10 - Year	35300	934.17	954.91	946.24	955.85	0.001304	8.15
Reach 2	561988	50 - Year	80482	934.17	962.56	953.41	964.45	0.00176	11.99
Reach 2	561988	100 - Year	97465	934.17	964.97	955.32	966.98	0.001733	12.64
Reach 2	561988	500 - Year	138462	934.17	969.77	959.13	971.78	0.001594	13.46
Reach 2	561701	2 - Year	2680	934.59	942.18	938.94	942.28	0.000747	2.55
Reach 2	561701	5 - Year	20823	934.59	950.65	943.98	951.29	0.001299	6.64
Reach 2	561701	10 - Year	35300	934.59	954.42	946.62	955.44	0.001522	8.49
Reach 2	561701	50 - Year	80482	934.59	961.79	953.11	963.88	0.002073	12.6
Reach 2	561701	100 - Year	97465	934.59	964.11	955.03	966.4	0.002083	13.43
Reach 2	561701	500 - Year	138462	934.59	969.27	958.59	971.31	0.001686	13.59
Reach 2	561383	2 - Year	2680	935.31	941.62	939.18	941.89	0.002108	4.2
Reach 2	561383	5 - Year	20823	935.31	949.98	945.55	950.76	0.002066	8.27
Reach 2	561383	10 - Year	35300	935.31	953.9	948.22	954.87	0.001985	9.66
Reach 2	561383	50 - Year	80482	935.31	961.7	954	963.01	0.00191	12.21
Reach 2	561383	100 - Year	97465	935.31	964.24	956.39	965.49	0.001696	12.28
Reach 2	561383	500 - Year	138462	935.31	969.35	958.81	970.56	0.001483	12.87
Reach 2	561290	2 - Year	2680	933.97	941.5	938.71	941.69	0.001456	3.58
Reach 2	561290	5 - Year	20823	933.97	949.93	944.72	950.48	0.001539	7.15
Reach 2	561290	10 - Year	35300	933.97	953.94	947.44	954.54	0.001337	7.94
Reach 2	561290	50 - Year	80482	933.97	961.81	952.81	962.62	0.001289	10
Reach 2	561290	100 - Year	97465	933.97	964.33	954.07	965.15	0.001198	10.27
Reach 2	561290	500 - Year	138462	933.97	969.41	956.94	970.27	0.001115	11.08
Reach 2	561259		Culvert						
Reach 2	561229	2 - Year	2680	933.49	940.27	938.74	940.75	0.005615	5.58
Reach 2	561229	5 - Year	20823	933.49	949.82	945.26	950.37	0.001648	7.26
Reach 2	561229	10 - Year	35300	933.49	953.82	947.65	954.41	0.001419	8.05
Reach 2	561229	50 - Year	80482	933.49	961.72	953.09	962.46	0.001261	9.79
Reach 2	561229	100 - Year	97465	933.49	964.23	954.22	964.98	0.001165	10.03
Reach 2	561229	500 - Year	138462	933.49	969.37	956.33	970.14	0.001066	10.75
Reach 2	561127	2 - Year	2680	931.75	939.68	937.4	940.23	0.004472	5.96
Reach 2	561127	5 - Year	20823	931.75	949.06	945.9	950.04	0.00275	9.3

Reach 2	561127	10 - Year	35300	931.75	953.09	948.44	954.11	0.002307	10.21
Reach 2	561127	50 - Year	80482	931.75	961.57	954.41	962.33	0.001344	10.2
Reach 2	561127	100 - Year	97465	931.75	964.13	955.1	964.85	0.001187	10.21
Reach 2	561127	500 - Year	138462	931.75	969.31	957.78	969.99	0.00102	10.6
Reach 2	560671	2 - Year	2680	930.25	938.3	934.63	938.57	0.00274	4.19
Reach 2	560671	5 - Year	20823	930.25	948.33	943.05	948.85	0.002409	6.86
Reach 2	560671	10 - Year	35300	930.25	952.54	944.87	953.11	0.002098	7.62
Reach 2	560671	50 - Year	80482	930.25	961.21	949.73	961.74	0.001392	8.03
Reach 2	560671	100 - Year	97465	930.25	963.82	953.04	964.34	0.00125	8.09
Reach 2	560671	500 - Year	138462	930.25	969.02	955.22	969.54	0.001156	8.67
Reach 2	560173	2 - Year	2680	930.14	937.02	934.18	937.24	0.002535	3.77
Reach 2	560173	5 - Year	20823	930.14	946.57	940.85	947.55	0.00294	8.23
Reach 2	560173	10 - Year	35300	930.14	950.92	944.47	952	0.002506	9.16
Reach 2	560173	50 - Year	80482	930.14	960.42	952.59	961.14	0.001302	8.78
Reach 2	560173	100 - Year	97465	930.14	963.11	953.75	963.8	0.001169	8.85
Reach 2	560173	500 - Year	138462	930.14	968.42	956.06	969.07	0.001008	9.16
Reach 2	559410	2 - Year	2680	922.54	936.72	927.65	936.79	0.000205	2.03
Reach 2	559410	5 - Year	20823	922.54	945.14	935.99	946	0.001419	7.5
Reach 2	559410	10 - Year	35300	922.54	949.47	940.34	950.62	0.001499	9.07
Reach 2	559410	50 - Year	80482	922.54	959.5	949.46	960.42	0.00096	9.51
Reach 2	559410	100 - Year	97465	922.54	962.29	953.02	963.17	0.000875	9.63
Reach 2	559410	500 - Year	138462	922.54	967.64	955.88	968.51	0.000811	10.25
Reach 2	558915	2 - Year	2680	913.83	936.73	918.16	936.74	0.00002	0.95
Reach 2	558915	5 - Year	20823	913.83	945.11	926.66	945.47	0.000308	4.87
Reach 2	558915	10 - Year	35300	913.83	949.27	930.59	950.01	0.000524	7.02
Reach 2	558915	50 - Year	80482	913.83	958.14	939.32	959.77	0.00092	11.05
Reach 2	558915	100 - Year	97465	913.83	960.43	942.07	962.4	0.001056	12.29
Reach 2	558915	500 - Year	138462	913.83	965.68	948	967.74	0.001078	13.45
Reach 2	558411	2 - Year	2680	927.42	936.61		936.69	0.000481	2.34
Reach 2	558411	5 - Year	20823	927.42	944.42		945.09	0.001348	6.91
Reach 2	558411	10 - Year	35300	927.42	948.48		949.5	0.001508	8.69
Reach 2	558411	50 - Year	80482	927.42	957.08		959.04	0.001801	12.36
Reach 2	558411	100 - Year	97465	927.42	959.62		961.69	0.001762	13
Reach 2	558411	500 - Year	138462	927.42	965.17		967	0.001427	13.16
Reach 2	557965	2 - Year	2680	927.18	936.36		936.45	0.000599	2.47
Reach 2	557965	5 - Year	20823	927.18	943.76		944.44	0.001596	7.19
Reach 2	557965	10 - Year	35300	927.18	947.8		948.8	0.001668	8.83
Reach 2	557965	50 - Year	80482	927.18	956.47		958.18	0.001814	12.15
Reach 2	557965	100 - Year	97465	927.18	959.21		960.82	0.001598	12.2
Reach 2	557965	500 - Year	138462	927.18	964.81		966.31	0.001314	12.49

Reach 2	557613	2 - Year	2680	927.4	936.12		936.23	0.000641	2.71
Reach 2	557613	5 - Year	20823	927.4	942.73		943.73	0.002397	8.68
Reach 2	557613	10 - Year	35300	927.4	946.75		948.07	0.002348	10.35
Reach 2	557613	50 - Year	80482	927.4	955.75		957.5	0.002038	12.89
Reach 2	557613	100 - Year	97465	927.4	958.76		960.22	0.001606	12.32
Reach 2	557613	500 - Year	138462	927.4	964.62		965.78	0.001152	11.82
Reach 2	557519	2 - Year	2680	926.6	936.07		936.17	0.000621	2.67
Reach 2	557519	5 - Year	20823	926.6	942.51		943.5	0.0024	8.6
Reach 2	557519	10 - Year	35300	926.6	946.57		947.83	0.002243	10.05
Reach 2	557519	50 - Year	80482	926.6	955.61		957.28	0.001932	12.51
Reach 2	557519	100 - Year	97465	926.6	958.64		960.05	0.001548	12.07
Reach 2	557519	500 - Year	138462	926.6	964.55		965.65	0.001093	11.5
Reach 2	557345	2 - Year	2680	927.58	935.94	933.09	936.02	0.000825	2.27
Reach 2	557345	5 - Year	20823	927.58	942.31	937.36	942.73	0.001356	5.64
Reach 2	557345	10 - Year	35300	927.58	946.47	939.21	946.93	0.001011	6.13
Reach 2	557345	50 - Year	80482	927.58	955.67	943.88	956.13	0.000638	6.79
Reach 2	557345	100 - Year	97465	927.58	958.71	945.16	959.09	0.000498	6.5
Reach 2	557345	500 - Year	138462	927.58	964.6	947.78	964.94	0.000366	6.38
Reach 2	557296		Culvert						
Reach 2	557246	2 - Year	2680	926.97	934.74	930.92	934.82	0.000629	2.28
Reach 2	557246	5 - Year	20823	926.97	942.18	936.3	942.59	0.001048	5.6
Reach 2	557246	10 - Year	35300	926.97	946.31	938.63	946.79	0.000907	6.35
Reach 2	557246	50 - Year	80482	926.97	955.61	943.51	956.05	0.000579	6.87
Reach 2	557246	100 - Year	97465	926.97	958.63	944.94	959.01	0.000466	6.64
Reach 2	557246	500 - Year	138462	926.97	964.51	948.01	964.85	0.000356	6.57
Reach 2	557012	2 - Year	2680	927.37	934.5	931.55	934.62	0.001009	2.89
Reach 2	557012	5 - Year	20823	927.37	941.47	937.25	942.17	0.001896	7.34
Reach 2	557012	10 - Year	35300	927.37	945.79	939.7	946.47	0.001373	7.71
Reach 2	557012	50 - Year	80482	927.37	955.3	944.88	955.86	0.00078	7.95
Reach 2	557012	100 - Year	97465	927.37	958.34	947.04	958.85	0.000648	7.82
Reach 2	557012	500 - Year	138462	927.37	964.17	949.33	964.69	0.000555	8.19
Reach 2	556683	2 - Year	2680	927.57	932.68	932.68	933.63	0.023808	7.82
Reach 2	556683	5 - Year	20823	927.57	939.45	937.98	941.04	0.006176	10.82
Reach 2	556683	10 - Year	35300	927.57	944.54	940.35	945.79	0.002863	10.07
Reach 2	556683	50 - Year	80482	927.57	954.87	945.6	955.58	0.001044	8.85
Reach 2	556683	100 - Year	97465	927.57	957.93	947.43	958.61	0.000887	8.84
Reach 2	556683	500 - Year	138462	927.57	963.77	950.11	964.49	0.000757	9.31
Reach 2	556104	2 - Year	2680	919.89	926.94	924.98	927.36	0.004036	5.2
Reach 2	556104	5 - Year	20823	919.89	937.51	932.08	938.81	0.002456	9.62
Reach 2	556104	10 - Year	35300	919.89	942.35	935.57	944.19	0.002454	11.67

Reach 2	556104	50 - Year	80482	919.89	954.04	943.93	954.99	0.001005	10.25
Reach 2	556104	100 - Year	97465	919.89	957.2	944.93	958.1	0.000893	10.32
Reach 2	556104	500 - Year	138462	919.89	963.18	949.31	964.05	0.000773	10.69
Reach 2	555589	2 - Year	2680	916.03	926.62		926.72	0.000483	2.5
Reach 2	555589	5 - Year	20823	916.03	937.14		937.85	0.001032	6.95
Reach 2	555589	10 - Year	35300	916.03	942.12		943.13	0.001106	8.54
Reach 2	555589	50 - Year	80482	916.03	953.19		954.45	0.000971	10.5
Reach 2	555589	100 - Year	97465	916.03	956.36		957.61	0.000901	10.76
Reach 2	555589	500 - Year	138462	916.03	962.28		963.59	0.000853	11.58
Reach 2	555258	2 - Year	2680	915.12	926.33		926.49	0.000973	3.2
Reach 2	555258	5 - Year	20823	915.12	936.4		937.4	0.001634	8.26
Reach 2	555258	10 - Year	35300	915.12	941.21		942.64	0.001724	10.15
Reach 2	555258	50 - Year	80482	915.12	952.09		954.01	0.001519	12.67
Reach 2	555258	100 - Year	97465	915.12	955.37		957.2	0.00136	12.81
Reach 2	555258	500 - Year	138462	915.12	961.37		963.22	0.001233	13.57
Reach 2	554915	2 - Year	2680	916.83	925.95		926.13	0.00115	3.37
Reach 2	554915	5 - Year	20823	916.83	935.71		936.8	0.001865	8.57
Reach 2	554915	10 - Year	35300	916.83	940.54		942.02	0.001855	10.31
Reach 2	554915	50 - Year	80482	916.83	951.51		953.47	0.001572	12.74
Reach 2	554915	100 - Year	97465	916.83	954.59		956.68	0.001532	13.41
Reach 2	554915	500 - Year	138462	916.83	960.06		962.66	0.001643	15.34
Reach 2	554658	2 - Year	2680	916.86	925.7		925.85	0.000953	3.16
Reach 2	554658	5 - Year	20823	916.86	935.28		936.31	0.001753	8.41
Reach 2	554658	10 - Year	35300	916.86	940.06		941.55	0.00183	10.32
Reach 2	554658	50 - Year	80482	916.86	950.75		953.01	0.001755	13.47
Reach 2	554658	100 - Year	97465	916.86	953.68		956.21	0.001782	14.43
Reach 2	554658	500 - Year	138462	916.86	959.34		962.19	0.00177	15.96
Reach 2	554312	2 - Year	2680	917.08	925.04		925.3	0.002597	4.21
Reach 2	554312	5 - Year	20823	917.08	934.6		935.56	0.002498	8.68
Reach 2	554312	10 - Year	35300	917.08	939.51		940.71	0.002228	9.99
Reach 2	554312	50 - Year	80482	917.08	950.32		952.14	0.002052	12.92
Reach 2	554312	100 - Year	97465	917.08	953.33		955.26	0.001993	13.58
Reach 2	554312	500 - Year	138462	917.08	959.1		961.18	0.001866	14.63
Reach 2	554085	2 - Year	2680	917.27	924.46		924.71	0.002588	3.98
Reach 2	554085	5 - Year	20823	917.27	934.12		935	0.002236	7.89
Reach 2	554085	10 - Year	35300	917.27	939.09		940.21	0.001964	9.13
Reach 2	554085	50 - Year	80482	917.27	949.91		951.69	0.001822	11.97
Reach 2	554085	100 - Year	97465	917.27	952.95		954.82	0.001746	12.52
Reach 2	554085	500 - Year	138462	917.27	958.75		960.76	0.001636	13.54
Reach 2	553778	2 - Year	2680	915.13	923.9		924.08	0.001564	3.47

Reach 2	553778	5 - Year	20823	915.13	933.66		934.36	0.001693	7.36
Reach 2	553778	10 - Year	35300	915.13	938.7		939.62	0.001586	8.65
Reach 2	553778	50 - Year	80482	915.13	949.45		951.11	0.001757	12.14
Reach 2	553778	100 - Year	97465	915.13	952.6		954.25	0.001615	12.42
Reach 2	553778	500 - Year	138462	915.13	958.46		960.22	0.001493	13.29
Reach 2	553488	2 - Year	2680	914.14	922.95		923.3	0.005444	4.72
Reach 2	553488	5 - Year	20823	914.14	933.07		933.82	0.002031	7.43
Reach 2	553488	10 - Year	35300	914.14	938.21		939.14	0.001722	8.52
Reach 2	553488	50 - Year	80482	914.14	949.48		950.52	0.001198	9.77
Reach 2	553488	100 - Year	97465	914.14	952.59		953.7	0.001169	10.32
Reach 2	553488	500 - Year	138462	914.14	958.49		959.69	0.00109	11.12
Reach 2	553141	2 - Year	2680	914.01	921.09		921.45	0.005181	4.84
Reach 2	553141	5 - Year	20823	914.01	932.57		933.26	0.001267	6.88
Reach 2	553141	10 - Year	35300	914.01	937.67		938.64	0.001228	8.31
Reach 2	553141	50 - Year	80482	914.01	948.61		950.07	0.001136	10.77
Reach 2	553141	100 - Year	97465	914.01	951.75		953.28	0.001083	11.23
Reach 2	553141	500 - Year	138462	914.01	957.6		959.28	0.001049	12.3
Reach 2	552657	2 - Year	2680	910.63	919.96		920.14	0.001562	3.38
Reach 2	552657	5 - Year	20823	910.63	932.17		932.72	0.000845	6
Reach 2	552657	10 - Year	35300	910.63	937.32		938.09	0.000857	7.29
Reach 2	552657	50 - Year	80482	910.63	948.24		949.55	0.000903	9.91
Reach 2	552657	100 - Year	97465	910.63	951.3		952.79	0.000931	10.69
Reach 2	552657	500 - Year	138462	910.63	956.74		958.74	0.001076	12.66
Reach 2	552343	2 - Year	2680	908.52	919.46		919.67	0.001377	3.69
Reach 2	552343	5 - Year	20823	908.52	931.68		932.4	0.001128	7
Reach 2	552343	10 - Year	35300	908.52	936.72		937.75	0.001178	8.58
Reach 2	552343	50 - Year	80482	908.52	947.36		949.16	0.001298	11.83
Reach 2	552343	100 - Year	97465	908.52	950.36		952.39	0.00133	12.71
Reach 2	552343	500 - Year	138462	908.52	955.57		958.28	0.001536	15
Reach 2	552071	2 - Year	2680	909.08	919.15		919.33	0.001115	3.39
Reach 2	552071	5 - Year	20823	909.08	931.22		932.07	0.001205	7.58
Reach 2	552071	10 - Year	35300	909.08	936.09		937.38	0.001381	9.57
Reach 2	552071	50 - Year	80482	909.08	946.55		948.75	0.001554	13.13
Reach 2	552071	100 - Year	97465	909.08	949.41		951.95	0.001646	14.29
Reach 2	552071	500 - Year	138462	909.08	954.63		957.79	0.001823	16.49
Reach 2	551845	2 - Year	2680	909.08	918.74		919.02	0.001594	4.24
Reach 2	551845	5 - Year	20823	909.08	930.3		931.66	0.002179	9.54
Reach 2	551845	10 - Year	35300	909.08	934.94		936.92	0.00238	11.82
Reach 2	551845	50 - Year	80482	909.08	945.21		948.24	0.002418	15.58
Reach 2	551845	100 - Year	97465	909.08	947.76		951.38	0.002652	17.2
Reach 2	551845	500 - Year	138462	909.08	953.1		957.21	0.002694	19.13

Reach 2	551577	2 - Year	2680	906.97	918.32		918.59	0.001573	4.16
Reach 2	551577	5 - Year	20823	906.97	929.73		931.09	0.002098	9.58
Reach 2	551577	10 - Year	35300	906.97	934.21		936.27	0.002423	12.09
Reach 2	551577	50 - Year	80482	906.97	944.09		947.52	0.002707	16.53
Reach 2	551577	100 - Year	97465	906.97	946.89		950.65	0.002744	17.64
Reach 2	551577	500 - Year	138462	906.97	952.75		956.39	0.00243	18.47
Reach 2	551296	2 - Year	2680	906.41	918.07		918.23	0.000817	3.22
Reach 2	551296	5 - Year	20823	906.41	929.36		930.46	0.001534	8.57
Reach 2	551296	10 - Year	35300	906.41	933.81		935.5	0.001846	10.92
Reach 2	551296	50 - Year	80482	906.41	943.71		946.56	0.002135	15.05
Reach 2	551296	100 - Year	97465	906.41	946.45		949.72	0.002262	16.37
Reach 2	551296	500 - Year	138462	906.41	952.6		955.4	0.001829	16.41
Reach 2	551021	2 - Year	2680	907.29	917.87		918	0.000733	2.97
Reach 2	551021	5 - Year	20823	907.29	929.11		929.96	0.001218	7.59
Reach 2	551021	10 - Year	35300	907.29	933.53		934.88	0.001482	9.74
Reach 2	551021	50 - Year	80482	907.29	943.28		945.91	0.001902	14.15
Reach 2	551021	100 - Year	97465	907.29	946.16		948.92	0.001861	14.84
Reach 2	551021	500 - Year	138462	907.29	951.37		954.72	0.00201	16.95
Reach 2	550866	2 - Year	2680	909.26	917.74		917.87	0.000972	2.85
Reach 2	550866	5 - Year	20823	909.26	929.09		929.66	0.000878	6.17
Reach 2	550866	10 - Year	35300	909.26	933.54		934.48	0.001069	8.02
Reach 2	550866	50 - Year	80482	909.26	943.38		945.31	0.001364	11.76
Reach 2	550866	100 - Year	97465	909.26	946.19		948.39	0.00141	12.69
Reach 2	550866	500 - Year	138462	909.26	951.37		954.17	0.001558	14.69
Reach 2	550603	2 - Year	2680	907.63	917.31		917.52	0.001576	3.67
Reach 2	550603	5 - Year	20823	907.63	928.89		929.4	0.000916	6.36
Reach 2	550603	10 - Year	35300	907.63	933.34		934.13	0.001057	8.03
Reach 2	550603	50 - Year	80482	907.63	943.29		944.75	0.001236	11.28
Reach 2	550603	100 - Year	97465	907.63	946.12		947.78	0.001278	12.17
Reach 2	550603	500 - Year	138462	907.63	951.4		953.42	0.001363	13.86
Reach 2	550372	2 - Year	2680	905.36	917.14		917.27	0.000599	2.91
Reach 2	550372	5 - Year	20823	905.36	928.7		929.2	0.000791	6.4
Reach 2	550372	10 - Year	35300	905.36	933.22		933.83	0.00081	7.49
Reach 2	550372	50 - Year	80482	905.36	943.38		944.22	0.000778	9.36
Reach 2	550372	100 - Year	97465	905.36	946.26		947.19	0.000785	9.93
Reach 2	550372	500 - Year	138462	905.36	951.59		952.76	0.000856	11.36
Reach 2	549991	2 - Year	2679	906.48	916.8		916.98	0.000925	3.46
Reach 2	549991	5 - Year	20816	906.48	928.18		928.85	0.001379	7.67
Reach 2	549991	10 - Year	35103	906.48	933		933.54	0.00101	7.62
Reach 2	549991	50 - Year	80533	906.48	943.33		943.94	0.000782	8.51

Reach 2	549991	100 - Year	97623	906.48	946.24		946.9	0.000768	8.9
Reach 2	549991	500 - Year	138638	906.48	951.6		952.43	0.000815	10.03
Reach 2	549840	2 - Year	2679	906.71	916.66		916.84	0.000973	3.46
Reach 2	549840	5 - Year	20816	906.71	927.45		928.54	0.002149	9.01
Reach 2	549840	10 - Year	35103	906.71	932.53		933.33	0.001414	8.66
Reach 2	549840	50 - Year	80533	906.71	943.04		943.78	0.000963	9.21
Reach 2	549840	100 - Year	97623	906.71	945.92		946.74	0.000987	9.86
Reach 2	549840	500 - Year	138638	906.71	951.34		952.27	0.000988	10.83
Reach 2	549637	2 - Year	2679	905.81	916.3		916.57	0.001804	4.19
Reach 2	549637	5 - Year	20816	905.81	926.73		928.02	0.002833	9.8
Reach 2	549637	10 - Year	35103	905.81	932.1		933	0.001695	9.2
Reach 2	549637	50 - Year	80533	905.81	942.78		943.57	0.001056	9.52
Reach 2	549637	100 - Year	97623	905.81	945.72		946.54	0.001003	9.84
Reach 2	549637	500 - Year	138638	905.81	951.12		952.07	0.001001	10.81
Reach 2	549399	2 - Year	2679	906.78	915.82		916.14	0.001772	4.52
Reach 2	549399	5 - Year	20816	906.78	925.99		927.37	0.002615	10.21
Reach 2	549399	10 - Year	35103	906.78	931.09		932.51	0.00211	11.1
Reach 2	549399	50 - Year	80533	906.78	942.11		943.27	0.001232	11.29
Reach 2	549399	100 - Year	97623	906.78	945.04		946.25	0.001179	11.71
Reach 2	549399	500 - Year	138638	906.78	950.35		951.77	0.001193	12.96
Reach 2	549081	2 - Year	2679	905.85	915.66		915.78	0.000594	2.78
Reach 2	549081	5 - Year	20816	905.85	925.68		926.65	0.001449	8.08
Reach 2	549081	10 - Year	35103	905.85	930.14		931.86	0.001862	10.74
Reach 2	549081	50 - Year	80533	905.85	940.49		942.71	0.001703	13.42
Reach 2	549081	100 - Year	97623	905.85	943.23		945.68	0.001734	14.32
Reach 2	549081	500 - Year	138638	905.85	948.16		951.15	0.001891	16.37
Reach 2	548689	2 - Year	2679	905.03	915.52		915.59	0.000315	2.13
Reach 2	548689	5 - Year	20816	905.03	925.37		926.04	0.000947	6.65
Reach 2	548689	10 - Year	35103	905.03	929.84		930.99	0.00121	8.8
Reach 2	548689	50 - Year	80533	905.03	940.08		941.95	0.001311	11.89
Reach 2	548689	100 - Year	97623	905.03	942.79		944.92	0.001381	12.9
Reach 2	548689	500 - Year	138638	905.03	947.73		950.27	0.001489	14.65
Reach 2	548486	2 - Year	2679	906.8	915.37		915.49	0.000767	2.8
Reach 2	548486	5 - Year	20816	906.8	924.9		925.78	0.001471	7.64
Reach 2	548486	10 - Year	35103	906.8	929.29		930.68	0.001683	9.71
Reach 2	548486	50 - Year	80533	906.8	939.61		941.64	0.001577	12.51
Reach 2	548486	100 - Year	97623	906.8	942.3		944.6	0.001634	13.49
Reach 2	548486	500 - Year	138638	906.8	947.26		949.94	0.001707	15.16
Reach 2	548214	2 - Year	2679	906.42	915.14		915.27	0.000837	2.94
Reach 2	548214	5 - Year	20816	906.42	924.4		925.35	0.001681	7.88

Reach 2	548214	10 - Year	35103	906.42	928.76		930.2	0.001843	9.86
Reach 2	548214	50 - Year	80533	906.42	939.06		941.18	0.001702	12.72
Reach 2	548214	100 - Year	97623	906.42	941.72		944.13	0.001756	13.7
Reach 2	548214	500 - Year	138638	906.42	946.49		949.43	0.0019	15.66
Reach 2	547874	2 - Year	2679	907.67	914.87		914.96	0.000849	2.47
Reach 2	547874	5 - Year	20816	907.67	924.23		924.7	0.000902	5.6
Reach 2	547874	10 - Year	35103	907.67	928.71		929.39	0.000924	6.86
Reach 2	547874	50 - Year	80533	907.67	939.13		940.29	0.000908	9.22
Reach 2	547874	100 - Year	97623	907.67	941.8		943.18	0.000972	10.13
Reach 2	547874	500 - Year	138638	907.67	946.54		948.41	0.001129	12.01
Reach 2	547479	2 - Year	2679	907.33	914.23		914.42	0.002462	3.52
Reach 2	547479	5 - Year	20816	907.33	923.74		924.29	0.001193	6.18
Reach 2	547479	10 - Year	35103	907.33	928.2		928.98	0.001168	7.48
Reach 2	547479	50 - Year	80533	907.33	938.25		939.83	0.001306	10.76
Reach 2	547479	100 - Year	97623	907.33	941.16		942.75	0.001205	11.06
Reach 2	547479	500 - Year	138638	907.33	946.15		947.95	0.001197	12.21
Reach 2	547092	2 - Year	2679	902.84	913.65		913.81	0.001069	3.27
Reach 2	547092	5 - Year	20816	902.84	922.6		923.65	0.002043	8.45
Reach 2	547092	10 - Year	35103	902.84	926.91		928.34	0.002045	10.14
Reach 2	547092	50 - Year	80533	902.84	936.7		939.12	0.002113	13.75
Reach 2	547092	100 - Year	97623	902.84	939.26		942.02	0.002203	14.89
Reach 2	547092	500 - Year	138638	902.84	944.13		947.22	0.002198	16.42
Reach 2	546894	2 - Year	2679	900.66	913.44		913.61	0.000986	3.24
Reach 2	546894	5 - Year	20816	900.66	922		923.2	0.002337	9.1
Reach 2	546894	10 - Year	35103	900.66	926.28		927.88	0.002328	10.85
Reach 2	546894	50 - Year	80533	900.66	936.01		938.65	0.002389	14.61
Reach 2	546894	100 - Year	97623	900.66	938.46		941.52	0.002536	15.92
Reach 2	546894	500 - Year	138638	900.66	943.38		946.72	0.002481	17.4
Reach 2	546482	2 - Year	2679	898.91	913.4		913.45	0.000145	1.73
Reach 2	546482	5 - Year	20816	898.91	921.8		922.47	0.000935	6.72
Reach 2	546482	10 - Year	35103	898.91	925.99		927.07	0.001193	8.73
Reach 2	546482	50 - Year	80533	898.91	935.59		937.72	0.00158	12.78
Reach 2	546482	100 - Year	97623	898.91	938.01		940.52	0.001735	14.07
Reach 2	546482	500 - Year	138638	898.91	942.87		945.74	0.001812	15.71
Reach 2	546012	2 - Year	2679	905.74	913.03		913.25	0.003006	3.81
Reach 2	546012	5 - Year	20816	905.74	921.06		921.83	0.002041	7.41
Reach 2	546012	10 - Year	35103	905.74	925.32		926.38	0.001848	8.76
Reach 2	546012	50 - Year	80533	905.74	935.06		936.85	0.001718	11.71
Reach 2	546012	100 - Year	97623	905.74	937.54		939.56	0.001745	12.57
Reach 2	546012	500 - Year	138638	905.74	942.38		944.77	0.001769	14.09

Reach 2	545606	2 - Year	2679	903.21	911.98		912.16	0.00235	3.67
Reach 2	545606	5 - Year	20816	903.21	920.62		921.08	0.001334	6.32
Reach 2	545606	10 - Year	35103	903.21	925		925.64	0.001271	7.57
Reach 2	545606	50 - Year	80533	903.21	934.93		936.06	0.001256	10.3
Reach 2	545606	100 - Year	97623	903.21	937.43		938.74	0.001318	11.21
Reach 2	545606	500 - Year	138638	903.21	942.16		943.93	0.001493	13.19
Reach 2	545296	2 - Year	2679	903.55	911.24		911.43	0.002334	3.74
Reach 2	545296	5 - Year	20816	903.55	920.13		920.65	0.001403	6.62
Reach 2	545296	10 - Year	35103	903.55	924.48		925.22	0.001377	8
Reach 2	545296	50 - Year	80533	903.55	934.34		935.64	0.00137	10.85
Reach 2	545296	100 - Year	97623	903.55	936.76		938.29	0.00146	11.86
Reach 2	545296	500 - Year	138638	903.55	941.24		943.39	0.001734	14.22
Reach 2	544989	2 - Year	2679	904.31	910.28		910.6	0.003089	4.64
Reach 2	544989	5 - Year	20816	904.31	919.48		920.15	0.001753	7.72
Reach 2	544989	10 - Year	35103	904.31	923.83		924.73	0.001684	9.14
Reach 2	544989	50 - Year	80533	904.31	933.66		935.16	0.001659	12.2
Reach 2	544989	100 - Year	97623	904.31	936.01		937.77	0.001782	13.35
Reach 2	544989	500 - Year	138638	904.31	940.25		942.76	0.002171	16.11
Reach 2	544621	2 - Year	2679	902.59	909.32		909.64	0.002251	4.58
Reach 2	544621	5 - Year	20816	902.59	918.36		919.37	0.002377	9.35
Reach 2	544621	10 - Year	35103	902.59	922.7		923.98	0.002262	10.92
Reach 2	544621	50 - Year	80533	902.59	932.65		934.46	0.00202	13.77
Reach 2	544621	100 - Year	97623	902.59	935.03		937.05	0.002083	14.75
Reach 2	544621	500 - Year	138638	902.59	939.46		941.94	0.002275	16.87
Reach 2	544204	2 - Year	2679	899.86	908.67		908.9	0.001336	3.88
Reach 2	544204	5 - Year	20816	899.86	917.44		918.41	0.002134	9.06
Reach 2	544204	10 - Year	35103	899.86	921.88		923.06	0.001977	10.41
Reach 2	544204	50 - Year	80533	899.86	931.85		933.62	0.001885	13.47
Reach 2	544204	100 - Year	97623	899.86	934.05		936.16	0.002075	14.83
Reach 2	544204	500 - Year	138638	899.86	938.1		940.91	0.002455	17.51
Reach 2	543822	2 - Year	2679	899.45	908.02		908.28	0.001957	4.13
Reach 2	543822	5 - Year	20816	899.45	916.6		917.57	0.002318	8.91
Reach 2	543822	10 - Year	35103	899.45	921.07		922.29	0.002102	10.29
Reach 2	543822	50 - Year	80533	899.45	931.01		932.89	0.001965	13.36
Reach 2	543822	100 - Year	97623	899.45	933.2		935.37	0.002107	14.55
Reach 2	543822	500 - Year	138638	899.45	937.18		939.99	0.002435	17
Reach 2	543411	2 - Year	2679	899.62	906.87		907.19	0.003776	4.63
Reach 2	543411	5 - Year	20816	899.62	915.76		916.61	0.002172	8.17
Reach 2	543411	10 - Year	35103	899.62	920.27		921.42	0.00201	9.67
Reach 2	543411	50 - Year	80533	899.62	930.2		932.09	0.001918	12.86
Reach 2	543411	100 - Year	97623	899.62	932.47		934.49	0.001933	13.62

Reach 2	543411	500 - Year	138638	899.62	936.52		938.94	0.00209	15.45
Reach 2	542989	2 - Year	2679	898.33	905.32		905.63	0.003597	4.54
Reach 2	542989	5 - Year	20816	898.33	914.69		915.68	0.002203	8.46
Reach 2	542989	10 - Year	35103	898.33	919.27		920.57	0.002026	9.94
Reach 2	542989	50 - Year	80533	898.33	928.99		931.23	0.002087	13.55
Reach 2	542989	100 - Year	97623	898.33	931.11		933.61	0.00219	14.59
Reach 2	542989	500 - Year	138638	898.33	934.97		937.98	0.002416	16.64
Reach 2	542607	2 - Year	2679	897.91	904.16		904.42	0.002759	4.08
Reach 2	542607	5 - Year	20816	897.91	914.19		914.92	0.001521	7.29
Reach 2	542607	10 - Year	35103	897.91	918.84		919.84	0.001471	8.72
Reach 2	542607	50 - Year	80533	897.91	928.55		930.43	0.001674	12.35
Reach 2	542607	100 - Year	97623	897.91	930.75		932.74	0.001699	13.09
Reach 2	542607	500 - Year	138638	897.91	934.7		937	0.001815	14.68
Reach 2	542225	2 - Year	2679	896.17	903.1		903.4	0.00254	4.44
Reach 2	542225	5 - Year	20816	896.17	913.34		914.27	0.001877	8.3
Reach 2	542225	10 - Year	35103	896.17	918.04		919.22	0.00175	9.69
Reach 2	542225	50 - Year	80533	896.17	927.26		929.65	0.00223	14.24
Reach 2	542225	100 - Year	97623	896.17	929.34		931.95	0.002315	15.22
Reach 2	542225	500 - Year	138638	896.17	933.31		936.18	0.00239	16.78
Reach 2	541899	2 - Year	2679	892.89	902.43		902.68	0.001865	4.03
Reach 2	541899	5 - Year	20816	892.89	912.88		913.68	0.001563	7.93
Reach 2	541899	10 - Year	35103	892.89	917.61		918.66	0.001529	9.39
Reach 2	541899	50 - Year	80533	892.89	926.82		928.89	0.001984	13.76
Reach 2	541899	100 - Year	97623	892.89	929.02		931.13	0.001952	14.32
Reach 2	541899	500 - Year	138638	892.89	932.92		935.34	0.0021	16.06
Reach 2	541480	2 - Year	2679	892.07	901.7		901.93	0.001693	3.8
Reach 2	541480	5 - Year	20816	892.07	912.11		913.01	0.001655	8.11
Reach 2	541480	10 - Year	35103	892.07	916.84		918	0.001606	9.57
Reach 2	541480	50 - Year	80533	892.07	926.2		928.06	0.001769	12.98
Reach 2	541480	100 - Year	97623	892.07	928.39		930.32	0.001762	13.59
Reach 2	541480	500 - Year	138638	892.07	932.29		934.47	0.001873	15.15
Reach 2	541077	2 - Year	2679	892.47	901.19		901.35	0.001166	3.28
Reach 2	541077	5 - Year	20816	892.47	911.56		912.37	0.001432	7.42
Reach 2	541077	10 - Year	35103	892.47	916.31		917.39	0.001403	8.83
Reach 2	541077	50 - Year	80533	892.47	925.77		927.37	0.001421	11.56
Reach 2	541077	100 - Year	97623	892.47	927.96		929.63	0.00143	12.18
Reach 2	541077	500 - Year	138638	892.47	931.81		933.73	0.001545	13.68
Reach 2	540607	2 - Year	2679	892.24	900.52		900.73	0.00147	3.68
Reach 2	540607	5 - Year	20816	892.24	910.4		911.54	0.002027	8.74
Reach 2	540607	10 - Year	35103	892.24	914.85		916.52	0.002154	10.78

Reach 2	540607	50 - Year	80533	892.24	924.37		926.53	0.001942	13.44
Reach 2	540607	100 - Year	97623	892.24	926.67		928.82	0.001866	13.88
Reach 2	540607	500 - Year	138638	892.24	930.82		932.93	0.001781	14.75
Reach 2	540257	2 - Year	2679	891.44	900.46		900.52	0.000237	1.91
Reach 2	540257	5 - Year	20816	891.44	910.37		910.95	0.000797	6.18
Reach 2	540257	10 - Year	35103	891.44	914.85		915.81	0.000999	8.07
Reach 2	540257	50 - Year	80533	891.44	924.12		925.86	0.001266	11.5
Reach 2	540257	100 - Year	97623	891.44	926.3		928.2	0.001325	12.31
Reach 2	540257	500 - Year	138638	891.44	930.21		932.38	0.001448	13.86
Reach 2	539809	2 - Year	2679	892.16	900.31		900.38	0.000385	2.23
Reach 2	539809	5 - Year	20816	892.16	909.84		910.53	0.001067	6.73
Reach 2	539809	10 - Year	35103	892.16	914.14		915.28	0.001309	8.75
Reach 2	539809	50 - Year	80533	892.16	922.6		925.11	0.001896	13.31
Reach 2	539809	100 - Year	97623	892.16	924.42		927.36	0.002119	14.67
Reach 2	539809	500 - Year	138638	892.16	928.09		931.46	0.00232	16.56
Reach 2	539472	2 - Year	2679	891.84	900.2		900.27	0.000304	2.09
Reach 2	539472	5 - Year	20816	891.84	909.48		910.17	0.001104	6.67
Reach 2	539472	10 - Year	35103	891.84	913.62		914.82	0.001403	8.81
Reach 2	539472	50 - Year	80533	891.84	921.84	911.09	924.44	0.002025	13.38
Reach 2	539472	100 - Year	97623	891.84	923.6	914.02	926.62	0.002252	14.7
Reach 2	539472	500 - Year	138638	891.84	927.45		930.64	0.002291	16.09
Reach 2	539155	2 - Year	2679	891.17	900.12		900.17	0.000263	1.92
Reach 2	539155	5 - Year	20816	891.17	909.22		909.81	0.000948	6.19
Reach 2	539155	10 - Year	35103	891.17	913.34		914.36	0.001195	8.15
Reach 2	539155	50 - Year	80533	891.17	921.42		923.75	0.001807	12.62
Reach 2	539155	100 - Year	97623	891.17	923.27		925.82	0.001913	13.56
Reach 2	539155	500 - Year	138638	891.17	927.11		929.82	0.001953	14.87
Reach 2	538825	2 - Year	2679	891.64	900.01		900.08	0.000333	2.06
Reach 2	538825	5 - Year	20816	891.64	908.85		909.48	0.001057	6.4
Reach 2	538825	10 - Year	35103	891.64	912.94		913.95	0.001255	8.21
Reach 2	538825	50 - Year	80533	891.64	920.95		923.11	0.001788	12.41
Reach 2	538825	100 - Year	97623	891.64	922.89		925.12	0.001805	13.06
Reach 2	538825	500 - Year	138638	891.64	926.76		929.1	0.001813	14.24
Reach 2	538533	2 - Year	2679	893.42	899.81		899.92	0.00088	2.64
Reach 2	538533	5 - Year	20816	893.42	908.63		909.13	0.001069	6.03
Reach 2	538533	10 - Year	35103	893.42	912.81		913.52	0.001088	7.31
Reach 2	538533	50 - Year	80533	893.42	921.11		922.4	0.001295	10.33
Reach 2	538533	100 - Year	97623	893.42	922.97		924.42	0.001381	11.18
Reach 2	538533	500 - Year	138638	893.42	926.57		928.45	0.001624	13.16
Reach 2	537951	2 - Year	2679	893.17	898.3		898.73	0.008308	5.51

Reach 2	537951	5 - Year	20816	893.17	907.7		908.33	0.001788	6.96
Reach 2	537951	10 - Year	35103	893.17	912.05		912.8	0.001438	7.77
Reach 2	537951	50 - Year	80533	893.17	920.24		921.58	0.001594	10.86
Reach 2	537951	100 - Year	97623	893.17	922.09		923.56	0.001646	11.6
Reach 2	537951	500 - Year	138638	893.17	925.68		927.46	0.001784	13.18
Reach 2	537372	2 - Year	2678	889.8	896.73		896.85	0.001585	3.05
Reach 2	537372	5 - Year	20807	889.8	907.21		907.58	0.000812	5.32
Reach 2	537372	10 - Year	34883	889.8	911.55		912.11	0.000861	6.59
Reach 2	537372	50 - Year	80558	889.8	919.36		920.73	0.001357	10.54
Reach 2	537372	100 - Year	97784	889.8	920.94		922.61	0.001561	11.76
Reach 2	537372	500 - Year	138847	889.8	924.28		926.38	0.001803	13.66
Reach 2	536961	2 - Year	2678	887.78	896.37	891.43	896.47	0.000581	2.62
Reach 2	536961	5 - Year	20807	887.78	906.36	898.19	907.13	0.001271	7.15
Reach 2	536961	10 - Year	34883	887.78	910.35	901.42	911.57	0.001559	9.21
Reach 2	536961	50 - Year	80558	887.78	917.71	909.47	919.95	0.002142	13.34
Reach 2	536961	100 - Year	97784	887.78	919.39	912.63	921.78	0.002241	14.21
Reach 2	536961	500 - Year	138847	887.78	923.02	918.97	925.52	0.002258	15.44
Reach 2	536644	2 - Year	2678	888.23	896.19	891.55	896.29	0.000563	2.54
Reach 2	536644	5 - Year	20807	888.23	906.03	897.89	906.73	0.001123	6.9
Reach 2	536644	10 - Year	34883	888.23	909.97	901.06	911.07	0.001374	8.86
Reach 2	536644	50 - Year	80558	888.23	917.3	908.71	919.23	0.00184	12.66
Reach 2	536644	100 - Year	97784	888.23	919.01	911.02	921.01	0.001888	13.36
Reach 2	536644	500 - Year	138847	888.23	922.63	918.1	924.74	0.001909	14.54
Reach 2	536254	2 - Year	2678	888.15	895.8	891.78	895.98	0.001162	3.36
Reach 2	536254	5 - Year	20807	888.15	905.15	899.02	906.14	0.001882	8.18
Reach 2	536254	10 - Year	34883	888.15	909.11	902.35	910.43	0.001928	9.8
Reach 2	536254	50 - Year	80558	888.15	916.87	910	918.43	0.001791	12.03
Reach 2	536254	100 - Year	97784	888.15	918.62	912.34	920.19	0.001765	12.48
Reach 2	536254	500 - Year	138847	888.15	922.32	917.07	923.92	0.001694	13.31
Reach 2	535750	2 - Year	2678	886.78	895.49		895.59	0.000493	2.59
Reach 2	535750	5 - Year	20807	886.78	904.41		905.28	0.001482	7.8
Reach 2	535750	10 - Year	34883	886.78	908.3		909.53	0.001664	9.6
Reach 2	535750	50 - Year	80558	886.78	916.01		917.61	0.001753	12.32
Reach 2	535750	100 - Year	97784	886.78	917.86		919.41	0.001689	12.63
Reach 2	535750	500 - Year	138847	886.78	921.67		923.19	0.001575	13.25
Reach 2	535281	2 - Year	2678	887.83	895.25		895.34	0.000546	2.45
Reach 2	535281	5 - Year	20807	887.83	903.84		904.58	0.001352	7.12
Reach 2	535281	10 - Year	34883	887.83	907.6		908.75	0.001596	9.04
Reach 2	535281	50 - Year	80558	887.83	914.96		916.77	0.001883	12.33
Reach 2	535281	100 - Year	97784	887.83	916.85		918.61	0.001805	12.67
Reach 2	535281	500 - Year	138847	887.83	920.79		922.46	0.001641	13.21

Reach 2	534776	2 - Year	2678	889.63	894.75		894.89	0.001658	3.06
Reach 2	534776	5 - Year	20807	889.63	903.23		903.85	0.001422	6.49
Reach 2	534776	10 - Year	34883	889.63	906.96		907.9	0.001532	8.08
Reach 2	534776	50 - Year	80558	889.63	914.29		915.78	0.001679	10.93
Reach 2	534776	100 - Year	97784	889.63	916.21		917.68	0.001592	11.22
Reach 2	534776	500 - Year	138847	889.63	920.19		921.63	0.001444	11.8
Reach 2	534333	2 - Year	2678	888.39	893.19		893.54	0.007078	4.73
Reach 2	534333	5 - Year	20807	888.39	902.56		903.2	0.001524	6.55
Reach 2	534333	10 - Year	34883	888.39	906.32		907.21	0.001522	7.9
Reach 2	534333	50 - Year	80558	888.39	913.75		915.02	0.001509	10.25
Reach 2	534333	100 - Year	97784	888.39	915.68		916.96	0.001452	10.62
Reach 2	534333	500 - Year	138847	888.39	919.73		920.98	0.001288	11.07
Reach 2	533920	2 - Year	2678	885.08	891.61		891.9	0.002499	4.35
Reach 2	533920	5 - Year	20807	885.08	901.82		902.56	0.001596	7.32
Reach 2	533920	10 - Year	34883	885.08	905.68		906.6	0.001545	8.55
Reach 2	533920	50 - Year	80558	885.08	913.21		914.42	0.001536	10.88
Reach 2	533920	100 - Year	97784	885.08	915.2		916.39	0.001456	11.16
Reach 2	533920	500 - Year	138847	885.08	919.32		920.48	0.001315	11.67
Reach 2	533509	2 - Year	2678	882.67	890.75		891.02	0.001831	4.2
Reach 2	533509	5 - Year	20807	882.67	900.18		901.61	0.003187	9.64
Reach 2	533509	10 - Year	34883	882.67	904.1		905.75	0.002815	10.9
Reach 2	533509	50 - Year	80558	882.67	912.13		913.76	0.002127	12.4
Reach 2	533509	100 - Year	97784	882.67	914.13		915.77	0.002045	12.83
Reach 2	533509	500 - Year	138847	882.67	918.54		919.99	0.001674	12.87
Reach 2	533222	2 - Year	2678	879.36	890.3		890.55	0.001425	4.01
Reach 2	533222	5 - Year	20807	879.36	898.21		900.38	0.005324	11.83
Reach 2	533222	10 - Year	34883	879.36	901.76	899.28	904.58	0.005234	14.02
Reach 2	533222	50 - Year	80558	879.36	911.44		913.15	0.002348	13.05
Reach 2	533222	100 - Year	97784	879.36	913.51		915.19	0.002224	13.4
Reach 2	533222	500 - Year	138847	879.36	917.97		919.51	0.001868	13.61
Reach 2	532968	2 - Year	2678	875.41	890.33		890.39	0.000188	2.01
Reach 2	532968	5 - Year	20807	875.41	898.39		899.41	0.001409	8.27
Reach 2	532968	10 - Year	34883	875.41	901.98		903.47	0.001755	10.44
Reach 2	532968	50 - Year	80558	875.41	911.06		912.65	0.001536	12.38
Reach 2	532968	100 - Year	97784	875.41	913.08		914.73	0.001562	13.03
Reach 2	532968	500 - Year	138847	875.41	917.01		919.02	0.001774	14.98
Reach 2	532635	2 - Year	2678	877.58	890.31		890.34	0.000078	1.41
Reach 2	532635	5 - Year	20807	877.58	898.4		898.95	0.000693	6.09
Reach 2	532635	10 - Year	34883	877.58	901.94		902.87	0.000977	8.1
Reach 2	532635	50 - Year	80558	877.58	910.66		912.17	0.001208	11.21

Reach 2	532635	100 - Year	97784	877.58	912.42		914.22	0.001376	12.41
Reach 2	532635	500 - Year	138847	877.58	915.99		918.39	0.001709	14.81
Reach 2	532307	2 - Year	2678	874.71	890.3		890.32	0.000058	1.31
Reach 2	532307	5 - Year	20807	874.71	898.21		898.73	0.000603	5.91
Reach 2	532307	10 - Year	34883	874.71	901.62		902.56	0.000928	8.14
Reach 2	532307	50 - Year	80558	874.71	909.88		911.72	0.001375	12.11
Reach 2	532307	100 - Year	97784	874.71	911.53		913.7	0.001575	13.41
Reach 2	532307	500 - Year	138847	874.71	915.07		917.78	0.001873	15.64
Reach 2	532024	2 - Year	2678	884	890.16		890.27	0.000641	2.72
Reach 2	532024	5 - Year	20807	884	897.34		898.38	0.002253	8.68
Reach 2	532024	10 - Year	34883	884	900.62		902.1	0.002551	10.72
Reach 2	532024	50 - Year	80558	884	909.18		911.21	0.002337	13.6
Reach 2	532024	100 - Year	97784	884	910.9		913.15	0.002484	14.66
Reach 2	532024	500 - Year	138847	884	914.58		917.13	0.002599	16.34
Reach 2	531741	2 - Year	2678	882.56	889.46		889.86	0.004461	5.26
Reach 2	531741	5 - Year	20807	882.56	896.72		897.58	0.00314	8.77
Reach 2	531741	10 - Year	34883	882.56	900.02		901.21	0.003156	10.57
Reach 2	531741	50 - Year	80558	882.56	908.81		910.39	0.002495	13.09
Reach 2	531741	100 - Year	97784	882.56	910.56		912.27	0.00257	13.96
Reach 2	531741	500 - Year	138847	882.56	914.26		916.2	0.002632	15.53
Reach 2	531400	2 - Year	2678	880.9	888.16		888.5	0.003583	4.67
Reach 2	531400	5 - Year	20807	880.9	895.71		896.61	0.002804	8.65
Reach 2	531400	10 - Year	34883	880.9	899.14		900.27	0.002628	10.02
Reach 2	531400	50 - Year	80558	880.9	908.08		909.64	0.002178	12.56
Reach 2	531400	100 - Year	97784	880.9	909.8		911.51	0.002272	13.45
Reach 2	531400	500 - Year	138847	880.9	913.35		915.39	0.002465	15.3
Reach 2	531073	2 - Year	2678	879.93	887.48		887.66	0.001768	3.63
Reach 2	531073	5 - Year	20807	879.93	894.9		895.74	0.002574	8.36
Reach 2	531073	10 - Year	34883	879.93	898.32		899.44	0.002581	9.99
Reach 2	531073	50 - Year	80558	879.93	907.42		908.96	0.002132	12.52
Reach 2	531073	100 - Year	97784	879.93	908.75		910.72	0.002593	14.32
Reach 2	531073	500 - Year	138847	879.93	912.85		914.59	0.002141	14.39
Reach 2	530708	2 - Year	2678	879.41	886.73		886.94	0.002342	4.04
Reach 2	530708	5 - Year	20807	879.41	894.01		894.79	0.002863	8.24
Reach 2	530708	10 - Year	34883	879.41	897.44		898.52	0.002794	9.88
Reach 2	530708	50 - Year	80558	879.41	905.92		908.04	0.003048	14.26
Reach 2	530708	100 - Year	97784	879.41	907.91		909.82	0.002666	14.13
Reach 2	530708	500 - Year	138847	879.41	912.23		913.86	0.002099	14
Reach 2	530410	2 - Year	2678	878.79	886.23		886.39	0.00144	3.52
Reach 2	530410	5 - Year	20807	878.79	893.22		893.95	0.002642	7.98

Reach 2	530410	10 - Year	34883	878.79	896.66		897.69	0.002626	9.64
Reach 2	530410	50 - Year	80558	878.79	905.22		907.1	0.002748	13.62
Reach 2	530410	100 - Year	97784	878.79	907.27		909	0.002442	13.61
Reach 2	530410	500 - Year	138847	878.79	911.73		913.21	0.00191	13.46
Reach 2	530148	2 - Year	2678	880.89	885.37		885.71	0.005788	5.19
Reach 2	530148	5 - Year	20807	880.89	892.21		893.11	0.003935	8.71
Reach 2	530148	10 - Year	34883	880.89	895.79		896.93	0.003249	9.96
Reach 2	530148	50 - Year	80558	880.89	904.68		906.35	0.002576	12.77
Reach 2	530148	100 - Year	97784	880.89	906.79		908.34	0.002269	12.76
Reach 2	530148	500 - Year	138847	880.89	911.36		912.71	0.001749	12.63
Reach 2	529839	2 - Year	2678	876.97	883.43		883.89	0.006082	5.45
Reach 2	529839	5 - Year	20807	876.97	890.85		891.95	0.003646	8.9
Reach 2	529839	10 - Year	34883	876.97	894.67		895.99	0.002917	9.98
Reach 2	529839	50 - Year	80558	876.97	904.05		905.66	0.002005	11.81
Reach 2	529839	100 - Year	97784	876.97	906.12		907.72	0.00189	12.16
Reach 2	529839	500 - Year	138847	876.97	910.86		912.23	0.001473	12.06
Reach 2	529551	2 - Year	2678	876.35	882.41		882.66	0.002871	4
Reach 2	529551	5 - Year	20807	876.35	890.16		891.03	0.002402	8.05
Reach 2	529551	10 - Year	34883	876.35	894.17		895.21	0.002031	9.08
Reach 2	529551	50 - Year	80558	876.35	903.57		905.09	0.00175	11.64
Reach 2	529551	100 - Year	97784	876.35	905.74		907.16	0.001593	11.75
Reach 2	529551	500 - Year	138847	876.35	910.59		911.79	0.001254	11.65
Reach 2	529325	2 - Year	2678	876.34	881.53		881.86	0.00439	4.58
Reach 2	529325	5 - Year	20807	876.34	889.59		890.48	0.002472	8.15
Reach 2	529325	10 - Year	34883	876.34	893.7		894.74	0.002043	9.14
Reach 2	529325	50 - Year	80558	876.34	903.08		904.67	0.001835	11.93
Reach 2	529325	100 - Year	97784	876.34	905.29		906.79	0.001665	12.04
Reach 2	529325	500 - Year	138847	876.34	910.32		911.5	0.001232	11.62
Reach 2	529063	2 - Year	2678	876	880.15		880.57	0.005504	5.22
Reach 2	529063	5 - Year	20807	876	888.74		889.79	0.002753	8.87
Reach 2	529063	10 - Year	34883	876	893.03		894.19	0.002181	9.73
Reach 2	529063	50 - Year	80558	876	902.31		904.14	0.002102	12.97
Reach 2	529063	100 - Year	97784	876	904.85		906.35	0.001704	12.46
Reach 2	529063	500 - Year	138847	876	910.09		911.16	0.001157	11.52
Reach 2	528741	2 - Year	2678	874	879.23		879.47	0.002134	3.9
Reach 2	528741	5 - Year	20807	874	888.05		888.99	0.002115	8.26
Reach 2	528741	10 - Year	34883	874	892.47		893.54	0.001775	9.22
Reach 2	528741	50 - Year	80558	874	902.15		903.44	0.001421	11.12
Reach 2	528741	100 - Year	97784	874	904.59		905.8	0.001295	11.25
Reach 2	528741	500 - Year	138847	874	909.81		910.79	0.000993	10.99

Reach 2	528601	2 - Year	2678	873.5	878.94		879.16	0.002201	3.76
Reach 2	528601	5 - Year	20807	873.5	887.93		888.66	0.001665	7.32
Reach 2	528601	10 - Year	34883	873.5	892.39		893.24	0.001414	8.24
Reach 2	528601	50 - Year	80558	873.5	902.16		903.17	0.001119	9.9
Reach 2	528601	100 - Year	97784	873.5	904.58		905.56	0.001039	10.11
Reach 2	528601	500 - Year	138847	873.5	909.74		910.63	0.000869	10.3
Reach 2	528433	2 - Year	2678	872.67	878.78		878.91	0.000919	2.88
Reach 2	528433	5 - Year	20807	872.67	887.79		888.38	0.001215	6.64
Reach 2	528433	10 - Year	34883	872.67	892.24		893	0.001156	7.79
Reach 2	528433	50 - Year	80558	872.67	902		902.98	0.001015	9.71
Reach 2	528433	100 - Year	97784	872.67	904.43		905.38	0.000949	9.92
Reach 2	528433	500 - Year	138847	872.67	909.59		910.48	0.000813	10.19
Reach 2	528242	2 - Year	2678	870.75	878.5		878.69	0.001349	3.48
Reach 2	528242	5 - Year	20807	870.75	887.55		888.12	0.001338	6.85
Reach 2	528242	10 - Year	34883	870.75	892.01		892.75	0.001261	8.04
Reach 2	528242	50 - Year	80558	870.75	901.66		902.75	0.001222	10.52
Reach 2	528242	100 - Year	97784	870.75	904.11		905.16	0.001129	10.7
Reach 2	528242	500 - Year	138847	870.75	909.31		910.29	0.000958	10.96
Reach 2	527950	2 - Year	2678	870.92	878.24		878.36	0.00085	2.79
Reach 2	527950	5 - Year	20807	870.92	887.03		887.71	0.001371	6.89
Reach 2	527950	10 - Year	34883	870.92	891.45		892.36	0.001324	8.18
Reach 2	527950	50 - Year	80558	870.92	900.86		902.34	0.00137	11.03
Reach 2	527950	100 - Year	97784	870.92	903.33		904.77	0.001282	11.31
Reach 2	527950	500 - Year	138847	870.92	908.55		909.95	0.001129	11.82
Reach 2	527692	2 - Year	2678	869.22	878.08		878.16	0.000652	2.32
Reach 2	527692	5 - Year	20807	869.22	886.7		887.33	0.001449	6.53
Reach 2	527692	10 - Year	34883	869.22	891.09		891.99	0.001495	7.97
Reach 2	527692	50 - Year	80558	869.22	900.54		901.95	0.001514	10.58
Reach 2	527692	100 - Year	97784	869.22	902.99		904.42	0.00146	10.99
Reach 2	527692	500 - Year	138847	869.22	908.15		909.62	0.001345	11.72
Reach 2	527406	2 - Year	2678	868.68	877.93		878	0.000459	2.1
Reach 2	527406	5 - Year	20807	868.68	886.31		886.92	0.001366	6.38
Reach 2	527406	10 - Year	34883	868.68	890.7		891.57	0.001414	7.77
Reach 2	527406	50 - Year	80558	868.68	900.11		901.52	0.001482	10.47
Reach 2	527406	100 - Year	97784	868.68	902.52		903.99	0.001462	10.99
Reach 2	527406	500 - Year	138847	868.68	907.66		909.22	0.001381	11.86
Reach 2	527135	2 - Year	2678	869.57	877.79		877.87	0.000474	2.26
Reach 2	527135	5 - Year	20807	869.57	885.86		886.55	0.001362	6.74
Reach 2	527135	10 - Year	34883	869.57	890.18		891.17	0.001384	8.21
Reach 2	527135	50 - Year	80558	869.57	899.58		901.12	0.00136	10.85
Reach 2	527135	100 - Year	97784	869.57	902		903.6	0.001331	11.37

Reach 2	527135	500 - Year	138847	869.57	907.19		908.86	0.00123	12.18
Reach 2	526955	2 - Year	2678	870.25	877.7		877.78	0.000515	2.26
Reach 2	526955	5 - Year	20807	870.25	885.61		886.3	0.001405	6.7
Reach 2	526955	10 - Year	34883	870.25	889.88		890.91	0.00146	8.28
Reach 2	526955	50 - Year	80558	870.25	899.34		900.87	0.001361	10.73
Reach 2	526955	100 - Year	97784	870.25	901.76		903.36	0.001335	11.26
Reach 2	526955	500 - Year	138847	870.25	906.92		908.63	0.001251	12.17
Reach 2	526798	2 - Year	2678	870.25	877.63		877.7	0.000493	2.17
Reach 2	526798	5 - Year	20807	870.25	885.47		886.06	0.00127	6.22
Reach 2	526798	10 - Year	34883	870.25	889.79		890.65	0.001254	7.56
Reach 2	526798	50 - Year	80558	870.25	899.32		900.6	0.001144	9.77
Reach 2	526798	100 - Year	97784	870.25	901.73		903.1	0.001135	10.32
Reach 2	526798	500 - Year	138847	870.25	906.88		908.39	0.001083	11.27
Reach 2	526644	2 - Year	2678	870.25	877.46		877.58	0.001386	2.74
Reach 2	526644	5 - Year	20807	870.25	885.26		885.85	0.001456	6.21
Reach 2	526644	10 - Year	34883	870.25	889.63		890.44	0.001302	7.34
Reach 2	526644	50 - Year	80558	870.25	899.26		900.39	0.00107	9.19
Reach 2	526644	100 - Year	97784	870.25	901.67		902.89	0.001058	9.72
Reach 2	526644	500 - Year	138847	870.25	906.82		908.19	0.001015	10.68
Reach 2	526414	2 - Year	2678	870.25	877.02		877.17	0.00226	3.09
Reach 2	526414	5 - Year	20807	870.25	884.98		885.51	0.00138	5.92
Reach 2	526414	10 - Year	34883	870.25	889.43		890.12	0.001151	6.82
Reach 2	526414	50 - Year	80558	870.25	899.11		900.13	0.000968	8.7
Reach 2	526414	100 - Year	97784	870.25	901.52		902.63	0.000967	9.25
Reach 2	526414	500 - Year	138847	870.25	906.66		907.95	0.000947	10.28
Reach 2	526125	2 - Year	2678	869.09	874.56	874.56	875.55	0.02387	7.98
Reach 2	526125	5 - Year	20807	869.09	884.73		885.12	0.001063	5.13
Reach 2	526125	10 - Year	34883	869.09	889.3		889.79	0.000829	5.77
Reach 2	526125	50 - Year	80558	869.09	899.05		899.83	0.000729	7.56
Reach 2	526125	100 - Year	97784	869.09	901.44		902.33	0.000753	8.16
Reach 2	526125	500 - Year	138847	869.09	906.55		907.67	0.000782	9.33
Reach 2	525664	2 - Year	2678	863.85	873.77		873.85	0.000404	2.23
Reach 2	525664	5 - Year	20807	863.85	884.05		884.66	0.000899	6.33
Reach 2	525664	10 - Year	34883	863.85	888.45		889.33	0.001017	7.88
Reach 2	525664	50 - Year	80558	863.85	897.87		899.35	0.00118	10.88
Reach 2	525664	100 - Year	97784	863.85	900.2		901.84	0.001236	11.69
Reach 2	525664	500 - Year	138847	863.85	905.21		907.16	0.001301	13.2
Reach 2	525305	2 - Year	2678	864.22	873.39		873.59	0.001416	3.57
Reach 2	525305	5 - Year	20807	864.22	883.2		884.17	0.001844	8.07
Reach 2	525305	10 - Year	34883	864.22	887.39		888.79	0.001952	9.9

Reach 2	525305	50 - Year	80558	864.22	896.6		898.75	0.00197	13.1
Reach 2	525305	100 - Year	97784	864.22	898.87		901.21	0.002014	13.98
Reach 2	525305	500 - Year	138847	864.22	904.2		906.57	0.001808	14.8
Reach 2	524891	2 - Year	2678	865.51	872.68		872.91	0.001903	3.85
Reach 2	524891	5 - Year	20807	865.51	882.49		883.3	0.002033	8.11
Reach 2	524891	10 - Year	34883	865.51	886.77		887.81	0.001995	9.5
Reach 2	524891	50 - Year	80558	865.51	896.23		897.6	0.001822	11.86
Reach 2	524891	100 - Year	97784	865.51	898.61		899.98	0.001751	12.26
Reach 2	524891	500 - Year	138847	865.51	904.06		905.4	0.001518	12.72
Reach 2	524621	2 - Year	2678	864.61	872.16		872.39	0.001946	3.96
Reach 2	524621	5 - Year	20807	864.61	881.93		882.74	0.002142	8.35
Reach 2	524621	10 - Year	34883	864.61	886.16		887.24	0.002184	9.95
Reach 2	524621	50 - Year	80558	864.61	895.59		897.06	0.002068	12.62
Reach 2	524621	100 - Year	97784	864.61	898.06		899.49	0.001914	12.83
Reach 2	524621	500 - Year	138847	864.61	903.67		904.98	0.001571	12.98
Reach 2	524407	2 - Year	2678	866.66	871.53		871.79	0.004184	4.67
Reach 2	524407	5 - Year	20807	866.66	881.66		882.24	0.001925	7.54
Reach 2	524407	10 - Year	34883	866.66	885.92		886.72	0.001935	9.03
Reach 2	524407	50 - Year	80558	866.66	895.31		896.56	0.002042	12.24
Reach 2	524407	100 - Year	97784	866.66	897.81		899.02	0.001876	12.44
Reach 2	524407	500 - Year	138847	866.66	903.47		904.59	0.001571	12.77
Reach 2	524202	2 - Year	2678	865.38	870.24		870.74	0.006256	6.04
Reach 2	524202	5 - Year	20807	865.38	881.24		881.85	0.001886	7.88
Reach 2	524202	10 - Year	34883	865.38	885.56		886.33	0.00181	9.13
Reach 2	524202	50 - Year	80558	865.38	895.19		896.09	0.001551	11.05
Reach 2	524202	100 - Year	97784	865.38	897.71		898.58	0.001444	11.27
Reach 2	524202	500 - Year	138847	865.38	903.44		904.21	0.001134	11.16
Reach 2	523829	2 - Year	2678	860	869.27		869.59	0.001744	4.65
Reach 2	523829	5 - Year	20807	860	880.45		881.21	0.001807	8.72
Reach 2	523829	10 - Year	34883	860	884.89		885.73	0.001704	9.76
Reach 2	523829	50 - Year	80558	860	894.69		895.59	0.001465	11.46
Reach 2	523829	100 - Year	97784	860	897.29		898.11	0.001299	11.35
Reach 2	523829	500 - Year	138847	860	903.15		903.83	0.000992	10.99
Reach 2	523518	2 - Year	2678	857.55	869.18		869.29	0.000428	2.73
Reach 2	523518	5 - Year	20807	857.55	879.61		880.64	0.001639	8.75
Reach 2	523518	10 - Year	34883	857.55	883.98		885.16	0.001691	10.14
Reach 2	523518	50 - Year	80558	857.55	893.95		895.1	0.001414	11.65
Reach 2	523518	100 - Year	97784	857.55	896.7		897.69	0.001212	11.36
Reach 2	523518	500 - Year	138847	857.55	902.69		903.5	0.000954	11.14
Reach 2	523286	2 - Year	2678	858.24	869.04		869.17	0.00055	2.97

Reach 2	523286	5 - Year	20807	858.24	878.48		880.01	0.002601	10.44
Reach 2	523286	10 - Year	34883	858.24	883.34		884.67	0.002065	10.88
Reach 2	523286	50 - Year	80558	858.24	893.65		894.74	0.001439	11.61
Reach 2	523286	100 - Year	97784	858.24	896.45		897.38	0.001222	11.28
Reach 2	523286	500 - Year	138847	858.24	902.49		903.26	0.000957	11.06
Reach 2	523059	2 - Year	2678	858.95	868.89		869.03	0.000792	3.13
Reach 2	523059	5 - Year	20807	858.95	878.07		879.27	0.002624	9.78
Reach 2	523059	10 - Year	34883	858.95	883.08		884.1	0.001921	9.98
Reach 2	523059	50 - Year	80558	858.95	893.59		894.29	0.001087	9.79
Reach 2	523059	100 - Year	97784	858.95	896.37		897.02	0.000965	9.75
Reach 2	523059	500 - Year	138847	858.95	902.4		903	0.000809	9.93
Reach 2	522838	2 - Year	2678	860.36	868.61		868.79	0.001634	3.92
Reach 2	522838	5 - Year	20807	860.36	877.72		878.61	0.002848	9.45
Reach 2	522838	10 - Year	34883	860.36	882.71		883.71	0.002441	10.62
Reach 2	522838	50 - Year	80558	860.36	893.43		894.09	0.001211	9.99
Reach 2	522838	100 - Year	97784	860.36	896.23		896.85	0.001073	9.97
Reach 2	522838	500 - Year	138847	860.36	902.22		902.86	0.000948	10.47
Reach 2	522569	2 - Year	2678	857.53	868.47		868.57	0.000378	2.61
Reach 2	522569	5 - Year	20807	857.53	876.46		877.81	0.002482	9.93
Reach 2	522569	10 - Year	34883	857.53	881.04		882.83	0.00268	12.02
Reach 2	522569	50 - Year	80558	857.53	892.65		893.68	0.001332	11.18
Reach 2	522569	100 - Year	97784	857.53	895.66		896.52	0.0011	10.75
Reach 2	522569	500 - Year	138847	857.53	901.92		902.63	0.000847	10.47
Reach 2	522255	2 - Year	2692	861.14	867.56		868.11	0.009887	6.47
Reach 2	522255	5 - Year	20914	861.14	875.87		876.6	0.003332	8.74
Reach 2	522255	10 - Year	34904	861.14	880.8		881.53	0.002282	9.16
Reach 2	522255	50 - Year	81047	861.14	892.46		893.08	0.001207	9.51
Reach 2	522255	100 - Year	98495	861.14	895.47		896.05	0.001038	9.44
Reach 2	522255	500 - Year	139665	861.14	901.75		902.29	0.00081	9.43
Reach 2	522123	2 - Year	2692	860.69	866.41		866.84	0.00906	5.62
Reach 2	522123	5 - Year	20914	860.69	875.9		876.2	0.001561	5.8
Reach 2	522123	10 - Year	34904	860.69	880.91		881.21	0.001081	6.03
Reach 2	522123	50 - Year	81047	860.69	892.55		892.87	0.000694	6.76
Reach 2	522123	100 - Year	98495	860.69	895.55		895.87	0.000641	6.93
Reach 2	522123	500 - Year	139665	860.69	901.8		902.15	0.000569	7.35
Reach 2	521876	2 - Year	2692	856.98	864.98		865.23	0.005584	4.57
Reach 2	521876	5 - Year	20914	856.98	875.25		875.78	0.002401	7.3
Reach 2	521876	10 - Year	34904	856.98	880.22		880.88	0.00203	8.28
Reach 2	521876	50 - Year	81047	856.98	891.86		892.63	0.001575	10.11
Reach 2	521876	100 - Year	98495	856.98	894.96		895.66	0.001327	9.91
Reach 2	521876	500 - Year	139665	856.98	901.29		901.97	0.00107	10

Reach 2	521666	2 - Year	2692	852.44	864.77		864.9	0.000633	2.89
Reach 2	521666	5 - Year	20914	852.44	874.65		875.35	0.001708	7.74
Reach 2	521666	10 - Year	34904	852.44	879.52		880.46	0.001798	9.25
Reach 2	521666	50 - Year	81047	852.44	890.65		892.18	0.002077	12.83
Reach 2	521666	100 - Year	98495	852.44	893.97		895.29	0.001735	12.46
Reach 2	521666	500 - Year	139665	852.44	900.48		901.67	0.001407	12.46
Reach 2	521524	2 - Year	2692	856.7	864.37		864.67	0.00364	4.43
Reach 2	521524	5 - Year	20914	856.7	874.28		875.04	0.002487	7.95
Reach 2	521524	10 - Year	34904	856.7	879.24		880.19	0.002166	9.04
Reach 2	521524	50 - Year	81047	856.7	890.42		891.84	0.00205	11.92
Reach 2	521524	100 - Year	98495	856.7	893.76		895.03	0.001722	11.7
Reach 2	521524	500 - Year	139665	856.7	900.25		901.47	0.00142	11.94
Reach 2	521212	2 - Year	2692	857.16	862.15		862.71	0.011754	6.03
Reach 2	521212	5 - Year	20914	857.16	873.71		874.32	0.00193	7
Reach 2	521212	10 - Year	34904	857.16	878.81		879.53	0.001608	7.83
Reach 2	521212	50 - Year	81047	857.16	890.16		891.15	0.001369	9.81
Reach 2	521212	100 - Year	98495	857.16	893.53		894.45	0.001193	9.81
Reach 2	521212	500 - Year	139665	857.16	900.04		901	0.00105	10.34
Reach 2	520902	2 - Year	2692	853.79	860.3		860.57	0.004273	4.14
Reach 2	520902	5 - Year	20914	853.79	873.45		873.85	0.000997	5.49
Reach 2	520902	10 - Year	34904	853.79	878.66		879.12	0.000853	6.1
Reach 2	520902	50 - Year	81047	853.79	890.14		890.75	0.000741	7.56
Reach 2	520902	100 - Year	98495	853.79	893.45		894.11	0.000724	7.96
Reach 2	520902	500 - Year	139665	853.79	899.93		900.7	0.000715	8.82
Reach 2	520684	2 - Year	2692	848	860.09		860.2	0.000714	2.66
Reach 2	520684	5 - Year	20914	848	872.92		873.57	0.001504	6.78
Reach 2	520684	10 - Year	34904	848	878.21		878.89	0.001311	7.43
Reach 2	520684	50 - Year	81047	848	889.7		890.56	0.001189	9.13
Reach 2	520684	100 - Year	98495	848	893.02		893.92	0.001153	9.53
Reach 2	520684	500 - Year	139665	848	899.5		900.51	0.001126	10.42
Reach 2	520447	2 - Year	2692	849.53	859.67		859.91	0.002386	3.88
Reach 2	520447	5 - Year	20914	849.53	872.14		873.09	0.002503	8.03
Reach 2	520447	10 - Year	34904	849.53	877.55		878.48	0.001971	8.57
Reach 2	520447	50 - Year	81047	849.53	889.16		890.21	0.001548	10.05
Reach 2	520447	100 - Year	98495	849.53	892.5		893.59	0.001474	10.44
Reach 2	520447	500 - Year	139665	849.53	898.94		900.18	0.001466	11.58
Reach 2	520248	2 - Year	2692	849.73	859.41		859.56	0.001183	3.09
Reach 2	520248	5 - Year	20914	849.73	871.74		872.61	0.002099	7.64
Reach 2	520248	10 - Year	34904	849.73	877.11		878.09	0.00188	8.6
Reach 2	520248	50 - Year	81047	849.73	888.85		889.91	0.001466	9.96

Reach 2	520248	100 - Year	98495	849.73	892.22		893.3	0.001384	10.29
Reach 2	520248	500 - Year	139665	849.73	898.68		899.89	0.001339	11.22
Reach 2	520080	2 - Year	2692	849.59	859.06		859.29	0.002196	3.83
Reach 2	520080	5 - Year	20914	849.59	871.27		872.22	0.002533	8.2
Reach 2	520080	10 - Year	34904	849.59	876.71		877.75	0.002159	9.08
Reach 2	520080	50 - Year	81047	849.59	888.48		889.63	0.001694	10.61
Reach 2	520080	100 - Year	98495	849.59	891.88		893.04	0.001568	10.87
Reach 2	520080	500 - Year	139665	849.59	898.37		899.65	0.001482	11.74
Reach 2	519953	2 - Year	2692	847.75	858.99		859.09	0.000787	2.65
Reach 2	519953	5 - Year	20914	847.75	871.29		871.88	0.001393	6.51
Reach 2	519953	10 - Year	34904	847.75	876.69		877.45	0.001391	7.69
Reach 2	519953	50 - Year	81047	847.75	888.38		889.41	0.001322	9.74
Reach 2	519953	100 - Year	98495	847.75	891.77		892.84	0.001272	10.14
Reach 2	519953	500 - Year	139665	847.75	898.23		899.47	0.001269	11.2
Reach 2	519716	2 - Year	2692	850.42	858.32		858.67	0.005821	4.73
Reach 2	519716	5 - Year	20914	850.42	870.46		871.4	0.002717	8.17
Reach 2	519716	10 - Year	34904	850.42	875.8		876.99	0.002503	9.48
Reach 2	519716	50 - Year	81047	850.42	887.68		889.03	0.001913	11.11
Reach 2	519716	100 - Year	98495	850.42	891.1		892.48	0.001784	11.46
Reach 2	519716	500 - Year	139665	850.42	897.57		899.11	0.001712	12.5
Reach 2	519503	2 - Year	2692	852	857.33		857.63	0.004047	4.38
Reach 2	519503	5 - Year	20914	852	869.88		870.84	0.002532	8.23
Reach 2	519503	10 - Year	34904	852	875.24		876.46	0.002404	9.61
Reach 2	519503	50 - Year	81047	852	886.96		888.57	0.002129	11.97
Reach 2	519503	100 - Year	98495	852	890.41		892.05	0.001997	12.36
Reach 2	519503	500 - Year	139665	852	896.87		898.7	0.001924	13.48
Reach 2	519300	2 - Year	2692	849.46	856.34		856.71	0.005059	4.87
Reach 2	519300	5 - Year	20914	849.46	869.4		870.32	0.002477	8.16
Reach 2	519300	10 - Year	34904	849.46	874.74		875.97	0.002425	9.68
Reach 2	519300	50 - Year	81047	849.46	886.54		888.13	0.002119	11.98
Reach 2	519300	100 - Year	98495	849.46	890.01		891.64	0.002	12.41
Reach 2	519300	500 - Year	139665	849.46	896.45		898.3	0.001949	13.6
Reach 2	519118	2 - Year	2692	847	856.16		856.28	0.001016	2.76
Reach 2	519118	5 - Year	20914	847	869.28		869.91	0.001354	6.59
Reach 2	519118	10 - Year	34904	847	874.6		875.54	0.001535	8.23
Reach 2	519118	50 - Year	81047	847	886.33		887.75	0.001612	10.91
Reach 2	519118	100 - Year	98495	847	889.77		891.29	0.001583	11.47
Reach 2	519118	500 - Year	139665	847	896.19		897.96	0.001616	12.8
Reach 2	518979	2 - Year	2692	847.7	855.84		856.06	0.002383	3.82
Reach 2	518979	5 - Year	20914	847.7	868.86		869.67	0.001982	7.58

Reach 2	518979	10 - Year	34904	847.7	874.14		875.27	0.002083	9.21
Reach 2	518979	50 - Year	81047	847.7	885.85		887.48	0.002029	11.9
Reach 2	518979	100 - Year	98495	847.7	889.36		891.03	0.001915	12.32
Reach 2	518979	500 - Year	139665	847.7	895.82		897.7	0.001882	13.53
Reach 2	518881	2 - Year	2692	846.39	855.73		855.87	0.001275	2.99
Reach 2	518881	5 - Year	20914	846.39	868.79		869.46	0.001497	6.84
Reach 2	518881	10 - Year	34904	846.39	874.06		875.05	0.001672	8.5
Reach 2	518881	50 - Year	81047	846.39	885.72		887.27	0.00178	11.37
Reach 2	518881	100 - Year	98495	846.39	889.23		890.83	0.001705	11.83
Reach 2	518881	500 - Year	139665	846.39	895.7		897.51	0.001695	13.05
Reach 2	518704	2 - Year	2692	846.41	855.49		855.63	0.001375	3.09
Reach 2	518704	5 - Year	20914	846.41	868.53		869.19	0.001511	6.8
Reach 2	518704	10 - Year	34904	846.41	873.8		874.74	0.001648	8.36
Reach 2	518704	50 - Year	81047	846.41	885.39		886.95	0.001825	11.42
Reach 2	518704	100 - Year	98495	846.41	888.86		890.51	0.001794	12.04
Reach 2	518704	500 - Year	139665	846.41	895.48		897.18	0.001663	12.86
Reach 2	518485	2 - Year	2692	846.72	855.12		855.29	0.001838	3.3
Reach 2	518485	5 - Year	20914	846.72	868.18		868.85	0.001583	6.85
Reach 2	518485	10 - Year	34904	846.72	873.43		874.38	0.001692	8.36
Reach 2	518485	50 - Year	81047	846.72	884.81		886.51	0.002004	11.82
Reach 2	518485	100 - Year	98495	846.72	888.48		890.12	0.001814	12.01
Reach 2	518485	500 - Year	139665	846.72	895.22		896.78	0.001566	12.42
Reach 2	518202	2 - Year	2692	845.86	854.85		854.94	0.000771	2.5
Reach 2	518202	5 - Year	20914	845.86	867.9		868.43	0.001154	6.02
Reach 2	518202	10 - Year	34904	845.86	873.08		873.92	0.00136	7.66
Reach 2	518202	50 - Year	81047	845.86	884.42		885.95	0.001658	10.9
Reach 2	518202	100 - Year	98495	845.86	888.03		889.63	0.001601	11.41
Reach 2	518202	500 - Year	139665	845.86	894.56		896.33	0.001564	12.49
Reach 2	517901	2 - Year	2692	843.58	854.43		854.61	0.001581	3.43
Reach 2	517901	5 - Year	20914	843.58	867.15		867.96	0.001931	7.69
Reach 2	517901	10 - Year	34904	843.58	872.3		873.4	0.002048	9.29
Reach 2	517901	50 - Year	81047	843.58	883.53		885.34	0.0023	12.69
Reach 2	517901	100 - Year	98495	843.58	887.22		889.06	0.002149	13.11
Reach 2	517901	500 - Year	139665	843.58	893.65		895.75	0.002195	14.66
Reach 2	517591	2 - Year	2692	844.25	853.99		854.16	0.001326	3.35
Reach 2	517591	5 - Year	20914	844.25	866.49		867.34	0.001989	8
Reach 2	517591	10 - Year	34904	844.25	871.52		872.72	0.002209	9.8
Reach 2	517591	50 - Year	81047	844.25	882.64		884.58	0.002494	13.33
Reach 2	517591	100 - Year	98495	844.25	886.16		888.3	0.002522	14.27
Reach 2	517591	500 - Year	139665	844.25	892.74		895	0.002406	15.45

Reach 2	517263	2 - Year	2692	841.17	853.39		853.64	0.001885	4.02
Reach 2	517263	5 - Year	20914	841.17	865.25		866.49	0.003178	9.78
Reach 2	517263	10 - Year	34904	841.17	870.26		871.82	0.003201	11.46
Reach 2	517263	50 - Year	81047	841.17	881.57		883.66	0.003086	14.52
Reach 2	517263	100 - Year	98495	841.17	885.4		887.39	0.002742	14.66
Reach 2	517263	500 - Year	139665	841.17	892.1		894.12	0.002515	15.59
Reach 2	517034	2 - Year	2692	841.12	853.04		853.25	0.001456	3.69
Reach 2	517034	5 - Year	20914	841.12	864.76		865.76	0.002581	8.99
Reach 2	517034	10 - Year	34904	841.12	869.93		871.06	0.00239	10.1
Reach 2	517034	50 - Year	81047	841.12	881.43		882.87	0.002202	12.5
Reach 2	517034	100 - Year	98495	841.12	885.24		886.69	0.002057	12.91
Reach 2	517034	500 - Year	139665	841.12	892.04		893.45	0.001814	13.46
Reach 2	516796	2 - Year	2692	841.38	852.67		852.89	0.001546	3.8
Reach 2	516796	5 - Year	20914	841.38	864.17		865.19	0.002317	8.95
Reach 2	516796	10 - Year	34904	841.38	869.47		870.52	0.001947	9.72
Reach 2	516796	50 - Year	81047	841.38	881.04		882.37	0.00174	11.97
Reach 2	516796	100 - Year	98495	841.38	884.89		886.21	0.00159	12.26
Reach 2	516796	500 - Year	139665	841.38	891.7		893.06	0.001457	13.06
Reach 2	516552	2 - Year	2692	840.41	852.6		852.66	0.000328	2.08
Reach 2	516552	5 - Year	20914	840.41	864.11		864.59	0.000906	6.01
Reach 2	516552	10 - Year	34904	840.41	869.37		870	0.000952	7.18
Reach 2	516552	50 - Year	81047	840.41	880.97		881.85	0.000957	9.24
Reach 2	516552	100 - Year	98495	840.41	884.83		885.73	0.000904	9.58
Reach 2	516552	500 - Year	139665	840.41	891.63		892.62	0.00088	10.47
Reach 2	516272	2 - Year	2692	836.72	852.5		852.58	0.000282	2.28
Reach 2	516272	5 - Year	20914	836.72	863.68		864.3	0.001143	7.14
Reach 2	516272	10 - Year	34904	836.72	868.69		869.64	0.001429	9.1
Reach 2	516272	50 - Year	81047	836.72	880.33		881.52	0.001395	11.33
Reach 2	516272	100 - Year	98495	836.72	884.28		885.44	0.001272	11.52
Reach 2	516272	500 - Year	139665	836.72	891.11		892.34	0.001227	12.46
Reach 2	515986	2 - Year	2692	836	852.45		852.5	0.000201	1.8
Reach 2	515986	5 - Year	20914	836	863.43		863.97	0.000939	6.21
Reach 2	515986	10 - Year	34904	836	868.39		869.22	0.001157	7.91
Reach 2	515986	50 - Year	81047	836	879.53		881.03	0.00147	11.26
Reach 2	515986	100 - Year	98495	836	883.4		884.95	0.001401	11.72
Reach 2	515986	500 - Year	139665	836	890.07		891.83	0.00141	12.99
Reach 2	515641	2 - Year	2692	838.52	852.09		852.32	0.000847	3.85
Reach 2	515641	5 - Year	20914	838.52	861.92		863.26	0.002235	10.52
Reach 2	515641	10 - Year	34904	838.52	866.42		868.34	0.002537	12.99
Reach 2	515641	50 - Year	81047	838.52	875.9		879.64	0.00341	19.02
Reach 2	515641	100 - Year	98495	838.52	878.92		883.36	0.003674	20.96

Reach 2	515641	500 - Year	139665	838.52	885.29		890.18	0.003513	22.9
Reach 2	515303	2 - Year	2692	837.6	851.91		852.04	0.000427	3.14
Reach 2	515303	5 - Year	20914	837.6	861.22		862.47	0.002005	10.52
Reach 2	515303	10 - Year	34904	837.6	865.28		867.36	0.002718	13.89
Reach 2	515303	50 - Year	81047	837.6	874.75		878.44	0.003467	19.67
Reach 2	515303	100 - Year	98495	837.6	877.76		881.88	0.003557	21.12
Reach 2	515303	500 - Year	139665	837.6	883.31		888.67	0.004036	24.75
Reach 2	514930	2 - Year	2692	839.31	851.76		851.87	0.000416	2.98
Reach 2	514930	5 - Year	20914	839.31	860.57		861.51	0.001855	9.75
Reach 2	514930	10 - Year	34904	839.31	864.47		865.92	0.002334	12.45
Reach 2	514930	50 - Year	81047	839.31	873.8		876.36	0.002904	17.54
Reach 2	514930	100 - Year	98495	839.31	876.84		879.63	0.002902	18.65
Reach 2	514930	500 - Year	139665	839.31	882.35		885.89	0.003195	21.6
Reach 2	514569	2 - Year	2692	844.38	851.42		851.6	0.001354	3.42
Reach 2	514569	5 - Year	20914	844.38	859.92		860.79	0.00197	8.18
Reach 2	514569	10 - Year	34904	844.38	863.77		865.02	0.002106	10.03
Reach 2	514569	50 - Year	81047	844.38	873.18		875.21	0.002086	13.38
Reach 2	514569	100 - Year	98495	844.38	876.32		878.45	0.001948	13.93
Reach 2	514569	500 - Year	139665	844.38	881.9		884.54	0.001992	15.81
Reach 2	514242	2 - Year	2692	845.13	850.97		851.13	0.001487	3.3
Reach 2	514242	5 - Year	20914	845.13	859.29		860.07	0.002247	7.87
Reach 2	514242	10 - Year	34904	845.13	863.17		864.25	0.002303	9.46
Reach 2	514242	50 - Year	81047	845.13	872.77		874.41	0.002135	12.26
Reach 2	514242	100 - Year	98495	845.13	875.96		877.69	0.001996	12.77
Reach 2	514242	500 - Year	139665	845.13	881.61		883.73	0.002033	14.47
Reach 2	513898	2 - Year	2692	845.66	850.01		850.3	0.004442	4.38
Reach 2	513898	5 - Year	20914	845.66	858.23		859.12	0.00353	8.42
Reach 2	513898	10 - Year	34904	845.66	862.25		863.34	0.003121	9.59
Reach 2	513898	50 - Year	81047	845.66	871.92		873.58	0.002744	12.32
Reach 2	513898	100 - Year	98495	845.66	875.08		876.9	0.002636	13.04
Reach 2	513898	500 - Year	139665	845.66	880.65		882.92	0.002716	14.89
Reach 2	513641	2 - Year	2692	843.6	848.09		848.61	0.01035	5.79
Reach 2	513641	5 - Year	20914	843.6	856.76		858.02	0.004893	9.75
Reach 2	513641	10 - Year	34904	843.6	861.11		862.44	0.003705	10.47
Reach 2	513641	50 - Year	81047	843.6	871.05		872.85	0.002901	12.77
Reach 2	513641	100 - Year	98495	843.6	874.19		876.18	0.002834	13.62
Reach 2	513641	500 - Year	139665	843.6	879.66		882.17	0.002968	15.63
Reach 2	513361	2 - Year	2692	841.59	845.35		845.83	0.009479	5.59
Reach 2	513361	5 - Year	20914	841.59	855.82		856.86	0.003227	8.71
Reach 2	513361	10 - Year	34904	841.59	860.23		861.52	0.002945	10.04

Reach 2	513361	50 - Year	81047	841.59	870.19		872.07	0.00265	12.78
Reach 2	513361	100 - Year	98495	841.59	873.33		875.41	0.00262	13.65
Reach 2	513361	500 - Year	139665	841.59	878.69		881.35	0.00283	15.77
Reach 2	513139	2 - Year	2692	838.22	844.65		844.85	0.002232	3.68
Reach 2	513139	5 - Year	20914	838.22	855.3		856.22	0.002327	8.11
Reach 2	513139	10 - Year	34904	838.22	859.65		860.92	0.002461	9.83
Reach 2	513139	50 - Year	81047	838.22	869.48		871.48	0.002558	13.1
Reach 2	513139	100 - Year	98495	838.22	872.67		874.84	0.002503	13.86
Reach 2	513139	500 - Year	139665	838.22	878.09		880.74	0.002675	15.87
Reach 2	512823	2 - Year	2692	837.38	844.06		844.27	0.001548	3.66
Reach 2	512823	5 - Year	20914	837.38	854.66		855.61	0.001608	8.14
Reach 2	512823	10 - Year	34904	837.38	858.88		860.24	0.001763	10.02
Reach 2	512823	50 - Year	81047	837.38	868.92		870.78	0.001637	12.73
Reach 2	512823	100 - Year	98495	837.38	872.23		874.09	0.001498	13.07
Reach 2	512823	500 - Year	139665	837.38	877.71		879.89	0.001519	14.59
Reach 2	512449	2 - Year	2692	834.98	843.57		843.73	0.00129	3.27
Reach 2	512449	5 - Year	20914	834.98	853.95		854.9	0.002259	8.32
Reach 2	512449	10 - Year	34904	834.98	858.1		859.45	0.002542	10.25
Reach 2	512449	50 - Year	81047	834.98	867.85		869.97	0.002725	13.72
Reach 2	512449	100 - Year	98495	834.98	870.82		873.28	0.002858	14.95
Reach 2	512449	500 - Year	139665	834.98	876.83		879.16	0.00245	15.45
Reach 2	512108	2 - Year	2692	834.92	842.83		843.08	0.002949	4.11
Reach 2	512108	5 - Year	20914	834.92	853.04		854.04	0.00279	8.61
Reach 2	512108	10 - Year	34904	834.92	857.23		858.52	0.002812	10.19
Reach 2	512108	50 - Year	81047	834.92	867.16		868.97	0.002596	12.95
Reach 2	512108	100 - Year	98495	834.92	870.34		872.2	0.002432	13.43
Reach 2	512108	500 - Year	139665	834.92	876.26		878.26	0.002254	14.47
Reach 2	511827	2 - Year	2692	834.47	842.22		842.43	0.001828	3.66
Reach 2	511827	5 - Year	20914	834.47	852.29		853.28	0.002615	8.65
Reach 2	511827	10 - Year	34904	834.47	856.28		857.7	0.002953	10.68
Reach 2	511827	50 - Year	81047	834.47	866.4		868.24	0.002606	13.23
Reach 2	511827	100 - Year	98495	834.47	869.63		871.52	0.002434	13.69
Reach 2	511827	500 - Year	139665	834.47	875.68		877.63	0.002184	14.51
Reach 2	511481	2 - Year	2692	830.88	841.37		841.64	0.00276	4.17
Reach 2	511481	5 - Year	20914	830.88	851.45		852.34	0.002691	8.44
Reach 2	511481	10 - Year	34904	830.88	855.49		856.61	0.002693	9.89
Reach 2	511481	50 - Year	81047	830.88	865.82		867.25	0.002253	12.06
Reach 2	511481	100 - Year	98495	830.88	869.14		870.57	0.002045	12.33
Reach 2	511481	500 - Year	139665	830.88	875.2		876.79	0.001919	13.38
Reach 2	511117	2 - Year	2691	834	839.25		839.87	0.009002	6.33

Reach 2	511117	5 - Year	20907	834	849.11		850.8	0.005474	11.24
Reach 2	511117	10 - Year	34723	834	853.58		855.29	0.004261	12.01
Reach 2	511117	50 - Year	81099	834	864.27		866.22	0.003095	13.98
Reach 2	511117	100 - Year	98619	834	867.75		869.66	0.002721	14.15
Reach 2	511117	500 - Year	139816	834	874.02		875.98	0.002387	14.92
Reach 2	511003	2 - Year	2691	831.91	836.62	836.44	838.02	0.025731	9.5
Reach 2	511003	5 - Year	20907	831.91	847.26	844.83	849.79	0.008204	13.28
Reach 2	511003	10 - Year	34723	831.91	852.04		854.51	0.005897	13.92
Reach 2	511003	50 - Year	81099	831.91	863.41		865.74	0.003528	15.01
Reach 2	511003	100 - Year	98619	831.91	867.03		869.25	0.003037	15.06
Reach 2	511003	500 - Year	139816	831.91	873.25		875.59	0.002742	16.08
Reach 2	510888	2 - Year	2691	826.38	836.32		836.56	0.00184	3.92
Reach 2	510888	5 - Year	20907	826.38	846.9		848.33	0.003405	9.98
Reach 2	510888	10 - Year	34723	826.38	851.68		853.45	0.003259	11.59
Reach 2	510888	50 - Year	81099	826.38	863.05		865.37	0.002833	14.4
Reach 2	510888	100 - Year	98619	826.38	866.35		868.8	0.00274	15.11
Reach 2	510888	500 - Year	139816	826.38	872.41		875.1	0.002654	16.5
Reach 2	510700	2 - Year	2691	826.75	835.89		836.16	0.002381	4.17
Reach 2	510700	5 - Year	20907	826.75	846.38		847.59	0.003232	9.28
Reach 2	510700	10 - Year	34723	826.75	851.34		852.69	0.00274	10.32
Reach 2	510700	50 - Year	81099	826.75	863.05		864.5	0.001929	11.77
Reach 2	510700	100 - Year	98619	826.75	866.41		867.91	0.001824	12.24
Reach 2	510700	500 - Year	139816	826.75	872.54		874.18	0.001744	13.32
Reach 2	510488	2 - Year	2691	828.36	834.87		835.32	0.006428	5.45
Reach 2	510488	5 - Year	20907	828.36	845.8		846.83	0.003138	8.68
Reach 2	510488	10 - Year	34723	828.36	850.82		852.06	0.002649	9.81
Reach 2	510488	50 - Year	81099	828.36	862.36		864.01	0.002129	12.09
Reach 2	510488	100 - Year	98619	828.36	865.68		867.43	0.002036	12.67
Reach 2	510488	500 - Year	139816	828.36	871.82		873.71	0.001911	13.73
Reach 2	510222	2 - Year	2691	826.17	833.63		833.96	0.003809	4.62
Reach 2	510222	5 - Year	20907	826.17	844.84		845.98	0.003019	8.78
Reach 2	510222	10 - Year	34723	826.17	849.97		851.35	0.002598	9.96
Reach 2	510222	50 - Year	81099	826.17	861.63		863.44	0.002128	12.29
Reach 2	510222	100 - Year	98619	826.17	865.02		866.9	0.002007	12.79
Reach 2	510222	500 - Year	139816	826.17	871.23		873.24	0.001878	13.8
Reach 2	510023	2 - Year	2691	822.03	832.27		832.85	0.007578	6.13
Reach 2	510023	5 - Year	20907	822.03	843.76		845.2	0.004143	10.01
Reach 2	510023	10 - Year	34723	822.03	848.74		850.59	0.00372	11.6
Reach 2	510023	50 - Year	81099	822.03	859.86		862.63	0.003376	15.01
Reach 2	510023	100 - Year	98619	822.03	863.1		866.07	0.00328	15.84
Reach 2	510023	500 - Year	139816	822.03	869.19		872.4	0.003093	17.19

Reach 2	509824	2 - Year	2691	819.92	831.44		831.78	0.00326	4.67
Reach 2	509824	5 - Year	20907	819.92	843.15		844.38	0.003103	9.23
Reach 2	509824	10 - Year	34723	819.92	848.22		849.8	0.002917	10.79
Reach 2	509824	50 - Year	81099	819.92	859.26		861.94	0.003065	14.69
Reach 2	509824	100 - Year	98619	819.92	862.3		865.39	0.003201	15.96
Reach 2	509824	500 - Year	139816	819.92	868.4		871.74	0.003066	17.39
Reach 2	509549	2 - Year	2691	819.08	830.93		831.12	0.001631	3.46
Reach 2	509549	5 - Year	20907	819.08	842.66		843.61	0.002057	8.15
Reach 2	509549	10 - Year	34723	819.08	847.72		849.04	0.00214	9.85
Reach 2	509549	50 - Year	81099	819.08	858.7		861.1	0.00249	13.85
Reach 2	509549	100 - Year	98619	819.08	861.72		864.5	0.002639	15.1
Reach 2	509549	500 - Year	139816	819.08	867.73		870.9	0.002676	16.83
Reach 2	509365	2 - Year	2691	819.53	830.67		830.84	0.001357	3.29
Reach 2	509365	5 - Year	20907	819.53	842.29		843.24	0.001996	8.02
Reach 2	509365	10 - Year	34723	819.53	847.31		848.65	0.002117	9.78
Reach 2	509365	50 - Year	81099	819.53	858.3		860.63	0.002403	13.6
Reach 2	509365	100 - Year	98619	819.53	861.47		863.95	0.00238	14.38
Reach 2	509365	500 - Year	139816	819.53	867.68		870.28	0.002236	15.47
Reach 2	509191	2 - Year	2691	818.11	830.54		830.65	0.000758	2.66
Reach 2	509191	5 - Year	20907	818.11	842.1		842.88	0.001547	7.3
Reach 2	509191	10 - Year	34723	818.11	847.1		848.26	0.001742	9.08
Reach 2	509191	50 - Year	81099	818.11	858.09		860.16	0.002071	12.79
Reach 2	509191	100 - Year	98619	818.11	861.3		863.47	0.002032	13.45
Reach 2	509191	500 - Year	139816	818.11	867.5		869.84	0.001962	14.63
Reach 2	509019	2 - Year	2691	819.1	830.36		830.5	0.001009	3
Reach 2	509019	5 - Year	20907	819.1	841.62		842.57	0.001961	8.08
Reach 2	509019	10 - Year	34723	819.1	846.56		847.92	0.002134	9.91
Reach 2	509019	50 - Year	81099	819.1	857.48		859.76	0.0024	13.63
Reach 2	509019	100 - Year	98619	819.1	860.66		863.08	0.002365	14.37
Reach 2	509019	500 - Year	139816	819.1	867.02		869.48	0.002165	15.28
Reach 2	508801	2 - Year	2691	819.83	830.16		830.29	0.000866	2.86
Reach 2	508801	5 - Year	20907	819.83	841.23		842.14	0.001875	7.95
Reach 2	508801	10 - Year	34723	819.83	846.13		847.45	0.002062	9.79
Reach 2	508801	50 - Year	81099	819.83	857.12		859.2	0.002215	13.17
Reach 2	508801	100 - Year	98619	819.83	860.28		862.53	0.002216	13.98
Reach 2	508801	500 - Year	139816	819.83	866.73		868.96	0.001974	14.68
Reach 2	508615	2 - Year	2691	819	830.04		830.15	0.000638	2.65
Reach 2	508615	5 - Year	20907	819	840.91		841.79	0.001757	7.8
Reach 2	508615	10 - Year	34723	819	845.85		847.04	0.00187	9.43
Reach 2	508615	50 - Year	81099	819	857.05		858.69	0.001825	12.09

Reach 2	508615	100 - Year	98619	819	860.33		861.99	0.001726	12.49
Reach 2	508615	500 - Year	139816	819	866.73		868.48	0.001608	13.38
Reach 2	508411	2 - Year	2691	818.97	829.91		830.02	0.000616	2.6
Reach 2	508411	5 - Year	20907	818.97	840.74		841.41	0.001432	7.1
Reach 2	508411	10 - Year	34723	818.97	845.81		846.6	0.001361	8.14
Reach 2	508411	50 - Year	81099	818.97	857.11		858.22	0.00131	10.36
Reach 2	508411	100 - Year	98619	818.97	860.31		861.56	0.001332	11.08
Reach 2	508411	500 - Year	139816	818.97	866.62		868.1	0.001356	12.38
Reach 2	508212	2 - Year	2691	821.61	829.73		829.86	0.000924	3.01
Reach 2	508212	5 - Year	20907	821.61	840.14		841.04	0.00207	8.25
Reach 2	508212	10 - Year	34723	821.61	845.12		846.24	0.002001	9.58
Reach 2	508212	50 - Year	81099	821.61	856.3		857.86	0.001895	12.21
Reach 2	508212	100 - Year	98619	821.61	859.45		861.19	0.001922	13.05
Reach 2	508212	500 - Year	139816	821.61	865.69		867.72	0.001927	14.51
Reach 2	507951	2 - Year	2691	823.8	828.8		829.28	0.009147	5.76
Reach 2	507951	5 - Year	20907	823.8	839.58		840.4	0.002755	8.28
Reach 2	507951	10 - Year	34723	823.8	844.63		845.64	0.002414	9.5
Reach 2	507951	50 - Year	81099	823.8	855.85		857.32	0.002105	12.06
Reach 2	507951	100 - Year	98619	823.8	859.08		860.62	0.001998	12.57
Reach 2	507951	500 - Year	139816	823.8	865.26		867.17	0.002076	14.34
Reach 2	507708	2 - Year	2691	819.01	826.45		827.06	0.009122	6.35
Reach 2	507708	5 - Year	20907	819.01	838.92		839.79	0.002462	8.54
Reach 2	507708	10 - Year	34723	819.01	843.82		845.05	0.002575	10.4
Reach 2	507708	50 - Year	81099	819.01	855.03		856.78	0.002375	13.24
Reach 2	507708	100 - Year	98619	819.01	858.19		860.09	0.002368	14.07
Reach 2	507708	500 - Year	139816	819.01	864.31		866.62	0.002462	15.94
Reach 2	507461	2 - Year	2691	817.42	826.13		826.29	0.0012	3.39
Reach 2	507461	5 - Year	20907	817.42	838.55		839.28	0.001566	7.68
Reach 2	507461	10 - Year	34723	817.42	843.53		844.48	0.001635	9.15
Reach 2	507461	50 - Year	81099	817.42	854.75		856.22	0.001745	12.17
Reach 2	507461	100 - Year	98619	817.42	857.95		859.52	0.001729	12.82
Reach 2	507461	500 - Year	139816	817.42	864		866.03	0.001948	15
Reach 2	507279	2 - Year	2691	815.92	825.78		826.02	0.001802	3.94
Reach 2	507279	5 - Year	20907	815.92	838.04		838.95	0.002062	8.49
Reach 2	507279	10 - Year	34723	815.92	843.07		844.15	0.001974	9.73
Reach 2	507279	50 - Year	81099	815.92	854.23		855.87	0.00207	12.86
Reach 2	507279	100 - Year	98619	815.92	857.44		859.18	0.002022	13.48
Reach 2	507279	500 - Year	139816	815.92	863.33		865.63	0.002336	15.94
Reach 2	507041	2 - Year	2691	816	825.21		825.54	0.002206	4.62
Reach 2	507041	5 - Year	20907	816	836.49		838.22	0.003876	11.53

Reach 2	507041	10 - Year	34723	816	841.4		843.45	0.003724	13.23
Reach 2	507041	50 - Year	81099	816	852.74		855.21	0.003223	16.03
Reach 2	507041	100 - Year	98619	816	855.95		858.54	0.003133	16.76
Reach 2	507041	500 - Year	139816	816	861.86		864.94	0.00329	18.92
Reach 2	506815	2 - Year	2691	813.99	824.87		825.1	0.001509	3.83
Reach 2	506815	5 - Year	20907	813.99	835.64		837.37	0.003737	11.02
Reach 2	506815	10 - Year	34723	813.99	840.35		842.58	0.003865	13.08
Reach 2	506815	50 - Year	81099	813.99	851.34		854.39	0.00371	16.66
Reach 2	506815	100 - Year	98619	813.99	854.68		857.76	0.003479	17.18
Reach 2	506815	500 - Year	139816	813.99	860.84		864.19	0.003335	18.64
Reach 2	506564	2 - Year	2691	810.61	824.76		824.85	0.000419	2.41
Reach 2	506564	5 - Year	20907	810.61	835.47		836.32	0.001714	7.85
Reach 2	506564	10 - Year	34723	810.61	840.15		841.41	0.002049	9.85
Reach 2	506564	50 - Year	81099	810.61	851.07		853.18	0.002435	13.65
Reach 2	506564	100 - Year	98619	810.61	854.44		856.6	0.002329	14.17
Reach 2	506564	500 - Year	139816	810.61	860.56		863.07	0.002401	15.84
Reach 2	506376	2 - Year	2691	812.51	824.67		824.77	0.000499	2.54
Reach 2	506376	5 - Year	20907	812.51	835		835.96	0.001901	8.27
Reach 2	506376	10 - Year	34723	812.51	839.53		840.98	0.002276	10.41
Reach 2	506376	50 - Year	81099	812.51	850.22		852.67	0.002648	14.39
Reach 2	506376	100 - Year	98619	812.51	853.48		856.08	0.002607	15.16
Reach 2	506376	500 - Year	139816	812.51	859.52		862.54	0.002667	16.93
Reach 2	506129	2 - Year	2691	812.17	824.52		824.62	0.000677	2.58
Reach 2	506129	5 - Year	20907	812.17	834.61		835.46	0.001889	7.67
Reach 2	506129	10 - Year	34723	812.17	839.08		840.38	0.002216	9.68
Reach 2	506129	50 - Year	81099	812.17	849.76		851.96	0.002474	13.33
Reach 2	506129	100 - Year	98619	812.17	852.98		855.4	0.002467	14.18
Reach 2	506129	500 - Year	139816	812.17	858.71		861.85	0.002763	16.57
Reach 2	505876	2 - Year	2691	814.58	824.24		824.38	0.001344	3.01
Reach 2	505876	5 - Year	20907	814.58	834.19		834.94	0.001978	7.34
Reach 2	505876	10 - Year	34723	814.58	838.7		839.77	0.002066	8.91
Reach 2	505876	50 - Year	81099	814.58	849.54		851.24	0.002049	11.87
Reach 2	505876	100 - Year	98619	814.58	852.81		854.67	0.002012	12.58
Reach 2	505876	500 - Year	139816	814.58	858.67		861	0.002135	14.41
Reach 2	505559	2 - Year	2691	815.29	823.76		823.9	0.001762	3.05
Reach 2	505559	5 - Year	20907	815.29	833.64		834.32	0.001854	6.84
Reach 2	505559	10 - Year	34723	815.29	838.16		839.12	0.001874	8.26
Reach 2	505559	50 - Year	81099	815.29	849.03		850.6	0.001823	11.03
Reach 2	505559	100 - Year	98619	815.29	852.33		854.04	0.001773	11.67
Reach 2	505559	500 - Year	139816	815.29	858.3		860.29	0.001755	12.97

Reach 2	505278	2 - Year	2691	816.83	823.31		823.45	0.001474	2.99
Reach 2	505278	5 - Year	20907	816.83	833.09		833.79	0.001881	7.02
Reach 2	505278	10 - Year	34723	816.83	837.56		838.57	0.00197	8.57
Reach 2	505278	50 - Year	81099	816.83	848.35		850.05	0.001995	11.62
Reach 2	505278	100 - Year	98619	816.83	851.66		853.5	0.001932	12.26
Reach 2	505278	500 - Year	139816	816.83	857.55		859.75	0.001965	13.78
Reach 2	505034	2 - Year	2691	814.5	822.87		823.03	0.001965	3.27
Reach 2	505034	5 - Year	20907	814.5	832.71		833.32	0.001785	6.73
Reach 2	505034	10 - Year	34723	814.5	837.23		838.06	0.001772	8.05
Reach 2	505034	50 - Year	81099	814.5	848.13		849.5	0.001725	10.75
Reach 2	505034	100 - Year	98619	814.5	851.45		852.96	0.001698	11.45
Reach 2	505034	500 - Year	139816	814.5	857.38		859.19	0.001724	12.87
Reach 2	504847	2 - Year	2691	815	821.76		822.29	0.009855	5.85
Reach 2	504847	5 - Year	20907	815	831.85		832.83	0.003323	8.65
Reach 2	504847	10 - Year	34723	815	836.45		837.62	0.002807	9.7
Reach 2	504847	50 - Year	81099	815	847.2		849.06	0.002599	12.8
Reach 2	504847	100 - Year	98619	815	850.55		852.54	0.002469	13.44
Reach 2	504847	500 - Year	139816	815	856.5		858.77	0.002386	14.81
Reach 2	504650	2 - Year	2691	812.75	821.08		821.3	0.002621	3.77
Reach 2	504650	5 - Year	20907	812.75	831.58		832.25	0.001918	7.17
Reach 2	504650	10 - Year	34723	812.75	836.15		837.09	0.001948	8.62
Reach 2	504650	50 - Year	81099	812.75	846.88		848.54	0.002081	11.93
Reach 2	504650	100 - Year	98619	812.75	850.29		852.03	0.001963	12.43
Reach 2	504650	500 - Year	139816	812.75	856.2		858.28	0.001995	13.96
Reach 2	504431	2 - Year	2691	811.81	820.14		820.49	0.005408	4.73
Reach 2	504431	5 - Year	20907	811.81	830.99		831.79	0.002322	7.72
Reach 2	504431	10 - Year	34723	811.81	835.55		836.62	0.002297	9.2
Reach 2	504431	50 - Year	81099	811.81	846.34		848.06	0.002237	12.24
Reach 2	504431	100 - Year	98619	811.81	849.78		851.59	0.002097	12.74
Reach 2	504431	500 - Year	139816	811.81	855.73		857.84	0.002084	14.17
Reach 2	504227	2 - Year	2691	811.5	819.26		819.56	0.003775	4.46
Reach 2	504227	5 - Year	20907	811.5	830.32		831.28	0.002541	8.41
Reach 2	504227	10 - Year	34723	811.5	834.87		836.12	0.002502	9.91
Reach 2	504227	50 - Year	81099	811.5	845.53		847.55	0.002566	13.34
Reach 2	504227	100 - Year	98619	811.5	849.03		851.11	0.002382	13.81
Reach 2	504227	500 - Year	139816	811.5	855.15		857.39	0.002231	14.91
Reach 2	504041	2 - Year	2691	809.54	818.75		818.98	0.002475	3.87
Reach 2	504041	5 - Year	20907	809.54	829.87		830.82	0.002316	8.17
Reach 2	504041	10 - Year	34723	809.54	834.38		835.66	0.002393	9.81
Reach 2	504041	50 - Year	81099	809.54	845.07		847.09	0.002417	13.05
Reach 2	504041	100 - Year	98619	809.54	848.56		850.67	0.002292	13.64

Reach 2	504041	500 - Year	139816	809.54	854.77		856.98	0.002104	14.59
Reach 2	503858	2 - Year	2691	808.17	818.34		818.56	0.002111	3.79
Reach 2	503858	5 - Year	20907	808.17	829.26		830.36	0.002616	8.75
Reach 2	503858	10 - Year	34723	808.17	833.65		835.16	0.002798	10.61
Reach 2	503858	50 - Year	81099	808.17	844.46		846.61	0.00262	13.6
Reach 2	503858	100 - Year	98619	808.17	847.77		850.19	0.002657	14.65
Reach 2	503858	500 - Year	139816	808.17	854.24		856.57	0.002269	15.17
Reach 2	503670	2 - Year	2691	806	818.13		818.27	0.000996	3.06
Reach 2	503670	5 - Year	20907	806	828.89		829.88	0.002123	8.34
Reach 2	503670	10 - Year	34723	806	833.16		834.65	0.002528	10.52
Reach 2	503670	50 - Year	81099	806	844		846.11	0.002444	13.52
Reach 2	503670	100 - Year	98619	806	847.07		849.66	0.002713	15.11
Reach 2	503670	500 - Year	139816	806	853.8		856.13	0.002208	15.29
Reach 2	503450	2 - Year	2691	807.6	817.91		818.06	0.000909	3.07
Reach 2	503450	5 - Year	20907	807.6	828.27		829.35	0.002354	8.84
Reach 2	503450	10 - Year	34723	807.6	832.61		834.07	0.002563	10.67
Reach 2	503450	50 - Year	81099	807.6	843.47		845.56	0.002504	13.76
Reach 2	503450	100 - Year	98619	807.6	846.52		849.01	0.002739	15.27
Reach 2	503450	500 - Year	139816	807.6	853.42		855.56	0.002135	15.15
Reach 2	503223	2 - Year	2695	810.24	817.15		817.54	0.005039	4.97
Reach 2	503223	5 - Year	20942	810.24	827.62		828.72	0.003219	9.15
Reach 2	503223	10 - Year	34723	810.24	832.01		833.34	0.002992	10.5
Reach 2	503223	50 - Year	81278	810.24	843.06		844.54	0.002195	12.19
Reach 2	503223	100 - Year	98853	810.24	846.13		847.76	0.002218	13.08
Reach 2	503223	500 - Year	140071	810.24	853.14		854.52	0.001678	12.93
Reach 2	503107	2 - Year	2695	808.72	816.58		816.97	0.004647	4.98
Reach 2	503107	5 - Year	20942	808.72	826.9		828.24	0.003812	9.95
Reach 2	503107	10 - Year	34723	808.72	831.61		832.97	0.003055	10.71
Reach 2	503107	50 - Year	81278	808.72	843.01		844.11	0.001777	11.11
Reach 2	503107	100 - Year	98853	808.72	846.13		847.29	0.001745	11.74
Reach 2	503107	500 - Year	140071	808.72	853.31		854.03	0.001003	10.12
Reach 2	502926	2 - Year	2695	808.25	815.24		815.79	0.008859	5.95
Reach 2	502926	5 - Year	20942	808.25	826.35		827.48	0.003336	9.19
Reach 2	502926	10 - Year	34723	808.25	831.23		832.33	0.002516	9.7
Reach 2	502926	50 - Year	81278	808.25	842.79		843.72	0.001484	10.18
Reach 2	502926	100 - Year	98853	808.25	845.99		846.86	0.001291	10.15
Reach 2	502926	500 - Year	140071	808.25	853.04		853.82	0.001	10.12
Reach 2	502725	2 - Year	2695	807.1	814.36		814.62	0.003293	4.1
Reach 2	502725	5 - Year	20942	807.1	825.98		826.81	0.002034	7.69
Reach 2	502725	10 - Year	34723	807.1	830.79		831.87	0.001984	9.06

Reach 2	502725	50 - Year	81278	807.1	842.14		843.34	0.001526	10.63
Reach 2	502725	100 - Year	98853	807.1	845.26		846.48	0.001443	10.99
Reach 2	502725	500 - Year	140071	807.1	852.2		853.45	0.001273	11.64
Reach 2	502471	2 - Year	2695	804	813.58		813.87	0.002601	4.33
Reach 2	502471	5 - Year	20942	804	825.22		826.21	0.002418	8.81
Reach 2	502471	10 - Year	34723	804	829.86		831.21	0.002588	10.68
Reach 2	502471	50 - Year	81278	804	841.35		842.82	0.001986	12.39
Reach 2	502471	100 - Year	98853	804	844.44		845.97	0.001928	12.94
Reach 2	502471	500 - Year	140071	804	851.31		852.96	0.001786	13.98
Reach 2	502238	2 - Year	2695	804	813.14		813.36	0.001634	3.8
Reach 2	502238	5 - Year	20942	804	824.12		825.48	0.003022	9.86
Reach 2	502238	10 - Year	34723	804	828.53		830.4	0.003309	11.98
Reach 2	502238	50 - Year	81278	804	839		841.84	0.003486	15.95
Reach 2	502238	100 - Year	98853	804	842.12		845.02	0.00331	16.52
Reach 2	502238	500 - Year	140071	804	849.01		852.05	0.002997	17.69
Reach 2	502036	2 - Year	2695	800.09	812.92		813.06	0.000867	2.94
Reach 2	502036	5 - Year	20942	800.09	823.69		824.69	0.002105	8.33
Reach 2	502036	10 - Year	34723	800.09	828.06		829.5	0.002406	10.3
Reach 2	502036	50 - Year	81278	800.09	838.45		840.97	0.002829	14.43
Reach 2	502036	100 - Year	98853	800.09	841.55		844.32	0.002849	15.39
Reach 2	502036	500 - Year	140071	800.09	847.74		851.24	0.003052	17.72
Reach 2	501856	2 - Year	2695	799.87	812.71		812.87	0.001088	3.22
Reach 2	501856	5 - Year	20942	799.87	823.23		824.27	0.002421	8.69
Reach 2	501856	10 - Year	34723	799.87	827.6		829.05	0.00266	10.58
Reach 2	501856	50 - Year	81278	799.87	837.99		840.42	0.002956	14.47
Reach 2	501856	100 - Year	98853	799.87	840.85		843.75	0.003211	15.97
Reach 2	501856	500 - Year	140071	799.87	846.52		850.51	0.003734	19.03
Reach 2	501677	2 - Year	2695	800.05	812.57		812.7	0.000812	2.92
Reach 2	501677	5 - Year	20942	800.05	822.94		823.82	0.002151	8.08
Reach 2	501677	10 - Year	34723	800.05	827.27		828.55	0.002449	10.01
Reach 2	501677	50 - Year	81278	800.05	837.6		839.88	0.00282	13.92
Reach 2	501677	100 - Year	98853	800.05	840.48		843.15	0.003012	15.24
Reach 2	501677	500 - Year	140071	800.05	845.93		849.85	0.003726	18.67
Reach 2	501472	2 - Year	2695	800.75	812.25		812.46	0.001736	3.64
Reach 2	501472	5 - Year	20942	800.75	822.37		823.33	0.002721	8.53
Reach 2	501472	10 - Year	34723	800.75	826.69		828.02	0.002891	10.33
Reach 2	501472	50 - Year	81278	800.75	837.1		839.27	0.002963	13.82
Reach 2	501472	100 - Year	98853	800.75	839.99		842.5	0.003087	14.98
Reach 2	501472	500 - Year	140071	800.75	845.41		849.01	0.003758	18.27
Reach 2	501324	2 - Year	2695	800.58	812.08		812.26	0.000917	3.38

Reach 2	501324	5 - Year	20942	800.58	822.04		823.01	0.001731	8.57
Reach 2	501324	10 - Year	34723	800.58	826.24		827.65	0.001945	10.59
Reach 2	501324	50 - Year	81278	800.58	836.15		838.76	0.002308	15.01
Reach 2	501324	100 - Year	98853	800.58	838.63		841.86	0.002605	16.8
Reach 2	501324	500 - Year	140071	800.58	844.05		848.33	0.002918	19.68
Reach 2	501163	2 - Year	2695	800.83	812.02		812.13	0.000524	2.75
Reach 2	501163	5 - Year	20942	800.83	821.86		822.73	0.001386	7.9
Reach 2	501163	10 - Year	34723	800.83	826		827.34	0.001643	9.97
Reach 2	501163	50 - Year	81278	800.83	835.79		838.4	0.002085	14.52
Reach 2	501163	100 - Year	98853	800.83	838.22		841.46	0.002358	16.24
Reach 2	501163	500 - Year	140071	800.83	843.68		847.85	0.002583	18.82
Reach 2	501056	2 - Year	2695	800.75	811.98		812.08	0.000453	2.54
Reach 2	501056	5 - Year	20942	800.75	821.71		822.59	0.001316	7.73
Reach 2	501056	10 - Year	34723	800.75	825.81		827.16	0.001586	9.82
Reach 2	501056	50 - Year	81278	800.75	835.56		838.18	0.001999	14.25
Reach 2	501056	100 - Year	98853	800.75	838.04		841.19	0.002202	15.75
Reach 2	501056	500 - Year	140071	800.75	843.44		847.56	0.002444	18.36
Reach 2	500936	2 - Year	2695	800.31	811.93		812.02	0.000398	2.45
Reach 2	500936	5 - Year	20942	800.31	821.61		822.42	0.001216	7.53
Reach 2	500936	10 - Year	34723	800.31	825.67		826.96	0.001502	9.65
Reach 2	500936	50 - Year	81278	800.31	835.4		837.92	0.001922	14.07
Reach 2	500936	100 - Year	98853	800.31	837.84		840.9	0.00214	15.62
Reach 2	500936	500 - Year	140071	800.31	843.23		847.24	0.002387	18.24
Reach 2	500812	2 - Year	2695	799.67	811.87		811.97	0.000461	2.52
Reach 2	500812	5 - Year	20942	799.67	821.44		822.26	0.001322	7.49
Reach 2	500812	10 - Year	34723	799.67	825.47		826.76	0.001609	9.59
Reach 2	500812	50 - Year	81278	799.67	835.1		837.66	0.002037	14
Reach 2	500812	100 - Year	98853	799.67	837.56		840.62	0.002226	15.44
Reach 2	500812	500 - Year	140071	799.67	843		846.91	0.002402	17.8
Reach 2	500667	2 - Year	2695	800.17	811.83		811.9	0.000369	2.24
Reach 2	500667	5 - Year	20942	800.17	821.36		822.05	0.001059	6.84
Reach 2	500667	10 - Year	34723	800.17	825.4		826.49	0.001295	8.76
Reach 2	500667	50 - Year	81278	800.17	835.13		837.27	0.001631	12.76
Reach 2	500667	100 - Year	98853	800.17	837.64		840.18	0.001773	14.04
Reach 2	500667	500 - Year	140071	800.17	843.13		846.41	0.001932	16.25
Reach 2	500456	2 - Year	2695	802.97	811.67		811.79	0.000814	2.82
Reach 2	500456	5 - Year	20942	802.97	821.1		821.8	0.00129	7.07
Reach 2	500456	10 - Year	34723	802.97	825.17		826.18	0.001398	8.67
Reach 2	500456	50 - Year	81278	802.97	835		836.85	0.001577	12.2
Reach 2	500456	100 - Year	98853	802.97	837.55		839.7	0.001671	13.3
Reach 2	500456	500 - Year	140071	802.97	843.15		845.85	0.001752	15.21

Reach 2	500290	2 - Year	2695	802.57	811.59		811.68	0.000445	2.45
Reach 2	500290	5 - Year	20942	802.57	820.87		821.59	0.001197	7.19
Reach 2	500290	10 - Year	34723	802.57	824.85		825.94	0.001409	9.05
Reach 2	500290	50 - Year	81278	802.57	834.65		836.58	0.001605	12.62
Reach 2	500290	100 - Year	98853	802.57	837.14		839.41	0.001731	13.83
Reach 2	500290	500 - Year	140071	802.57	842.42		845.5	0.001979	16.36
Reach 2	500153	2 - Year	2695	802.09	811.38		811.55	0.001658	3.36
Reach 2	500153	5 - Year	20942	802.09	820.4		821.3	0.002691	8.26
Reach 2	500153	10 - Year	34723	802.09	824.48		825.66	0.002699	9.77
Reach 2	500153	50 - Year	81278	802.09	834.47		836.21	0.002565	12.7
Reach 2	500153	100 - Year	98853	802.09	837.02		838.96	0.002628	13.61
Reach 2	500153	500 - Year	140071	802.09	842.61		844.71	0.002473	14.75
Reach 2	499991	2 - Year	2695	801.97	811.03		811.23	0.002286	3.69
Reach 2	499991	5 - Year	20942	801.97	819.84		820.82	0.00314	8.62
Reach 2	499991	10 - Year	34723	801.97	823.82		825.17	0.003214	10.34
Reach 2	499991	50 - Year	81278	801.97	833.73		835.74	0.003024	13.49
Reach 2	499991	100 - Year	98853	801.97	836.48		838.51	0.00284	13.93
Reach 2	499991	500 - Year	140071	801.97	842.32		844.27	0.002421	14.47
Reach 2	499917	2 - Year	2695	801.74	810.88		811.06	0.001984	3.45
Reach 2	499917	5 - Year	20942	801.74	819.61		820.6	0.003051	8.47
Reach 2	499917	10 - Year	34723	801.74	823.6		824.92	0.003086	10.12
Reach 2	499917	50 - Year	81278	801.74	833.79		835.29	0.002332	11.92
Reach 2	499917	100 - Year	98853	801.74	836.67		837.98	0.001956	11.66
Reach 2	499917	500 - Year	140071	801.74	842.6		843.71	0.001482	11.42
Reach 2	499846	2 - Year	2695	803.1	810.71		810.91	0.002423	3.58
Reach 2	499846	5 - Year	20942	803.1	819.47		820.36	0.0029	8.1
Reach 2	499846	10 - Year	34723	803.1	823.57		824.65	0.002651	9.28
Reach 2	499846	50 - Year	81278	803.1	833.82		835.05	0.001957	10.87
Reach 2	499846	100 - Year	98853	803.1	836.58		837.82	0.001824	11.19
Reach 2	499846	500 - Year	140071	803.1	842.25		843.57	0.001645	11.91
Reach 2	499674	2 - Year	2695	802.87	810.36		810.52	0.001994	3.25
Reach 2	499674	5 - Year	20942	802.87	818.94		819.86	0.002846	7.96
Reach 2	499674	10 - Year	34723	802.87	823.05		824.18	0.002645	9.21
Reach 2	499674	50 - Year	81278	802.87	833.69		834.68	0.001545	9.71
Reach 2	499674	100 - Year	98853	802.87	836.44		837.47	0.00148	10.13
Reach 2	499674	500 - Year	140071	802.87	842.12		843.25	0.001376	10.94
Reach 2	499406	2 - Year	2695	803.14	807.67	807.67	809.02	0.033165	9.31
Reach 2	499406	5 - Year	20942	803.14	816.84		818.61	0.007557	11.79
Reach 2	499406	10 - Year	34723	803.14	821.61		823.21	0.004823	11.88
Reach 2	499406	50 - Year	81278	803.14	832.55		834.08	0.002838	12.86

Reach 2	499406	100 - Year	98853	803.14	835.55		836.94	0.002408	12.71
Reach 2	499406	500 - Year	140071	803.14	841.52		842.81	0.001931	12.83
Reach 2	499243	2 - Year	2695	794.77	806.15		806.35	0.00114	3.61
Reach 2	499243	5 - Year	20942	794.77	816.59		817.67	0.002944	9.08
Reach 2	499243	10 - Year	34723	794.77	821.37		822.52	0.002501	9.99
Reach 2	499243	50 - Year	81278	794.77	832.44		833.6	0.001789	11.27
Reach 2	499243	100 - Year	98853	794.77	835.38		836.55	0.001679	11.58
Reach 2	499243	500 - Year	140071	794.77	841.27		842.51	0.001555	12.38
Reach 2	498987	2 - Year	2695	798.56	805.29		805.76	0.005978	5.51
Reach 2	498987	5 - Year	20942	798.56	815.46		816.71	0.004952	9.96
Reach 2	498987	10 - Year	34723	798.56	820.26		821.69	0.004168	11.14
Reach 2	498987	50 - Year	81278	798.56	831.64		833.04	0.002651	12.2
Reach 2	498987	100 - Year	98853	798.56	834.57		836.01	0.00252	12.66
Reach 2	498987	500 - Year	140071	798.56	840.55		842.03	0.002232	13.31
Reach 2	498851	2 - Year	2695	796.46	802.44	802.44	804.01	0.036572	10.05
Reach 2	498851	5 - Year	20942	796.46	814.24		815.94	0.006371	11.65
Reach 2	498851	10 - Year	34723	796.46	819.34		821.09	0.004918	12.52
Reach 2	498851	50 - Year	81278	796.46	831.09		832.68	0.00303	13.44
Reach 2	498851	100 - Year	98853	796.46	834.15		835.69	0.002762	13.65
Reach 2	498851	500 - Year	140071	796.46	840.34		841.74	0.002243	13.74
Reach 2	498727	2 - Year	2695	787.49	802.52		802.64	0.00069	2.83
Reach 2	498727	5 - Year	20942	787.49	814.31		815.31	0.00215	8.54
Reach 2	498727	10 - Year	34723	787.49	819.12		820.58	0.002562	10.68
Reach 2	498727	50 - Year	81278	787.49	830.72		832.36	0.002266	12.84
Reach 2	498727	100 - Year	98853	787.49	833.71		835.38	0.002197	13.3
Reach 2	498727	500 - Year	140071	787.49	839.75		841.45	0.002064	14.14
Reach 2	498622	2 - Year	2695	786.68	802.44		802.57	0.00074	2.92
Reach 2	498622	5 - Year	20942	786.68	813.95		815.06	0.002418	9
Reach 2	498622	10 - Year	34723	786.68	818.66		820.28	0.002898	11.28
Reach 2	498622	50 - Year	81278	786.68	830.31		832.1	0.00248	13.41
Reach 2	498622	100 - Year	98853	786.68	833.3		835.13	0.002407	13.91
Reach 2	498622	500 - Year	140071	786.68	839.18		841.19	0.002416	15.25
Reach 2	498491	2 - Year	2695	785.73	802.42		802.49	0.000285	2.12
Reach 2	498491	5 - Year	20942	785.73	813.87		814.73	0.001543	7.76
Reach 2	498491	10 - Year	34723	785.73	818.52		819.89	0.002039	10.06
Reach 2	498491	50 - Year	81278	785.73	829.75		831.76	0.002315	13.43
Reach 2	498491	100 - Year	98853	785.73	832.66		834.78	0.002339	14.16
Reach 2	498491	500 - Year	140071	785.73	838.45		840.83	0.002418	15.69
Reach 2	498357	2 - Year	2695	787.12	802.35		802.44	0.000493	2.46
Reach 2	498357	5 - Year	20942	787.12	813.67		814.51	0.001762	7.79

Reach 2	498357	10 - Year	34723	787.12	818.24		819.59	0.002288	10.12
Reach 2	498357	50 - Year	81278	787.12	829.52		831.41	0.00238	13.18
Reach 2	498357	100 - Year	98853	787.12	832.45		834.43	0.002364	13.82
Reach 2	498357	500 - Year	140071	787.12	838.23		840.47	0.002429	15.33
Reach 2	498215	2 - Year	2695	794.97	802.07		802.29	0.00244	3.93
Reach 2	498215	5 - Year	20942	794.97	813.16		814.17	0.002972	8.86
Reach 2	498215	10 - Year	34723	794.97	817.75		819.2	0.003259	10.9
Reach 2	498215	50 - Year	81278	794.97	829.17		831.04	0.002819	13.47
Reach 2	498215	100 - Year	98853	794.97	832.09		834.06	0.002764	14.12
Reach 2	498215	500 - Year	140071	794.97	837.87		840.1	0.002759	15.58
Reach 2	498044	2 - Year	2695	791.29	801.32		801.71	0.004683	5.06
Reach 2	498044	5 - Year	20942	791.29	812.42		813.58	0.003763	9.67
Reach 2	498044	10 - Year	34723	791.29	817.12		818.6	0.003673	11.31
Reach 2	498044	50 - Year	81278	791.29	828.67		830.53	0.003051	13.79
Reach 2	498044	100 - Year	98853	791.29	831.63		833.55	0.002944	14.35
Reach 2	498044	500 - Year	140071	791.29	837.45		839.58	0.002858	15.65
Reach 2	497903	2 - Year	2695	791.05	800.96		801.21	0.002404	4.02
Reach 2	497903	5 - Year	20942	791.05	811.99		813.08	0.003163	9.18
Reach 2	497903	10 - Year	34723	791.05	816.7		818.11	0.003156	10.78
Reach 2	497903	50 - Year	81278	791.05	827.93		830.07	0.003172	14.26
Reach 2	497903	100 - Year	98853	791.05	830.83		833.1	0.003138	15
Reach 2	497903	500 - Year	140071	791.05	836.53		839.13	0.003164	16.61
Reach 2	497770	2 - Year	2695	790.25	800.59		800.87	0.002705	4.18
Reach 2	497770	5 - Year	20942	790.25	811.4		812.62	0.003611	9.62
Reach 2	497770	10 - Year	34723	790.25	816.08		817.65	0.003587	11.29
Reach 2	497770	50 - Year	81278	790.25	827.06		829.58	0.00377	15.24
Reach 2	497770	100 - Year	98853	790.25	829.91		832.61	0.003762	16.11
Reach 2	497770	500 - Year	140071	790.25	835.61		838.64	0.003715	17.69
Reach 2	497622	2 - Year	2695	788.86	800.45		800.6	0.000998	3.15
Reach 2	497622	5 - Year	20942	788.86	810.97		812.13	0.002891	9.28
Reach 2	497622	10 - Year	34723	788.86	815.57		817.15	0.00316	11.23
Reach 2	497622	50 - Year	81278	788.86	826.23		829.01	0.003775	15.77
Reach 2	497622	100 - Year	98853	788.86	829.18		832.05	0.003686	16.47
Reach 2	497622	500 - Year	140071	788.86	834.83		838.07	0.003721	18.19
Reach 2	497429	2 - Year	2695	787.67	800.35		800.45	0.000527	2.47
Reach 2	497429	5 - Year	20942	787.67	810.76		811.58	0.001919	7.8
Reach 2	497429	10 - Year	34723	787.67	815.3		816.53	0.002281	9.77
Reach 2	497429	50 - Year	81278	787.67	825.71		828.28	0.00321	14.72
Reach 2	497429	100 - Year	98853	787.67	828.59		831.36	0.003253	15.63
Reach 2	497429	500 - Year	140071	787.67	834.29		837.36	0.003247	17.16

Reach 2	497260	2 - Year	2695	789.66	800.2		800.33	0.000868	2.93
Reach 2	497260	5 - Year	20942	789.66	810.33		811.22	0.002365	8.29
Reach 2	497260	10 - Year	34723	789.66	814.87		816.12	0.002639	10.15
Reach 2	497260	50 - Year	81278	789.66	825.31		827.67	0.003326	14.65
Reach 2	497260	100 - Year	98853	789.66	828.05		830.77	0.003552	15.96
Reach 2	497260	500 - Year	140071	789.66	833.8		836.76	0.00344	17.34
Reach 2	497111	2 - Year	2695	788.64	800.11		800.21	0.000643	2.62
Reach 2	497111	5 - Year	20942	788.64	810.05		810.86	0.002103	7.89
Reach 2	497111	10 - Year	34723	788.64	814.54		815.72	0.002414	9.77
Reach 2	497111	50 - Year	81278	788.64	824.87		827.16	0.003145	14.27
Reach 2	497111	100 - Year	98853	788.64	827.62		830.22	0.003309	15.43
Reach 2	497111	500 - Year	140071	788.64	833.37		836.24	0.003252	16.88
Reach 2	496961	2 - Year	2695	788.12	799.95		800.08	0.001128	2.95
Reach 2	496961	5 - Year	20942	788.12	809.76		810.52	0.002296	7.65
Reach 2	496961	10 - Year	34723	788.12	814.28		815.31	0.002404	9.19
Reach 2	496961	50 - Year	81278	788.12	824.7		826.59	0.002842	13.05
Reach 2	496961	100 - Year	98853	788.12	827.58		829.59	0.002815	13.77
Reach 2	496961	500 - Year	140071	788.12	833.54		835.55	0.002522	14.5
Reach 2	496880	2 - Year	2695	788.14	799.86		799.99	0.001163	2.9
Reach 2	496880	5 - Year	20942	788.14	809.67		810.31	0.002004	7.06
Reach 2	496880	10 - Year	34723	788.14	814.22		815.08	0.002058	8.44
Reach 2	496880	50 - Year	81278	788.14	824.7		826.29	0.002424	12.02
Reach 2	496880	100 - Year	98853	788.14	827.55		829.3	0.002441	12.78
Reach 2	496880	500 - Year	140071	788.14	833.22		835.34	0.002541	14.45
Reach 2	496784	2 - Year	2695	789.13	799.68		799.85	0.001775	3.34
Reach 2	496784	5 - Year	20942	789.13	809.32		810.08	0.002577	7.72
Reach 2	496784	10 - Year	34723	789.13	813.86		814.85	0.002522	9.07
Reach 2	496784	50 - Year	81278	789.13	824.22		826.02	0.002866	12.76
Reach 2	496784	100 - Year	98853	789.13	826.98		829.01	0.002962	13.75
Reach 2	496784	500 - Year	140071	789.13	832.72		835.05	0.00293	15.21
Reach 2	496565	2 - Year	2695	788.57	799.16		799.37	0.00269	3.74
Reach 2	496565	5 - Year	20942	788.57	808.67		809.48	0.002953	7.95
Reach 2	496565	10 - Year	34723	788.57	813.29		814.29	0.002689	9.12
Reach 2	496565	50 - Year	81278	788.57	823.69		825.38	0.002803	12.43
Reach 2	496565	100 - Year	98853	788.57	826.39		828.36	0.002973	13.57
Reach 2	496565	500 - Year	140071	788.57	832.08		834.42	0.003004	15.2
Reach 2	496405	2 - Year	2695	790.11	798.65		798.89	0.003367	3.99
Reach 2	496405	5 - Year	20942	790.11	808.14		808.99	0.003198	8.14
Reach 2	496405	10 - Year	34723	790.11	812.81		813.85	0.002841	9.28
Reach 2	496405	50 - Year	81278	790.11	823.26		824.94	0.002811	12.38
Reach 2	496405	100 - Year	98853	790.11	825.8		827.87	0.003151	13.86

Reach 2	496405	500 - Year	140071	790.11	831.48		833.93	0.003177	15.53
Reach 2	496227	2 - Year	2695	788.64	796.19	796.16	797.36	0.040089	8.68
Reach 2	496227	5 - Year	20942	788.64	807.43		808.37	0.003834	8.55
Reach 2	496227	10 - Year	34723	788.64	812.22		813.32	0.003168	9.54
Reach 2	496227	50 - Year	81278	788.64	822.67		824.43	0.002993	12.55
Reach 2	496227	100 - Year	98853	788.64	825.32		827.3	0.003088	13.52
Reach 2	496227	500 - Year	140071	788.64	830.56		833.31	0.003649	16.29
Reach 2	496041	2 - Year	2695	785.68	795.19		795.5	0.003633	4.45
Reach 2	496041	5 - Year	20942	785.68	807.03		807.78	0.002358	7.51
Reach 2	496041	10 - Year	34723	785.68	811.84		812.81	0.002258	8.78
Reach 2	496041	50 - Year	81278	785.68	822.3		823.92	0.002425	11.95
Reach 2	496041	100 - Year	98853	785.68	824.94		826.77	0.002539	12.91
Reach 2	496041	500 - Year	140071	785.68	830.22		832.65	0.002922	15.25
Reach 2	495754	2 - Year	2695	783.77	794.78		794.92	0.001113	3.07
Reach 2	495754	5 - Year	20936	783.77	806.47		807.14	0.001969	6.9
Reach 2	495754	10 - Year	34589	783.77	811.34		812.18	0.001872	8.02
Reach 2	495754	50 - Year	81322	783.77	821.69		823.23	0.002192	11.35
Reach 2	495754	100 - Year	98953	783.77	824.34		826.04	0.002264	12.18
Reach 2	495754	500 - Year	140151	783.77	829.91		831.75	0.002184	13.23
Reach 2	495446	2 - Year	2695	784.15	794.41		794.55	0.00128	2.98
Reach 2	495446	5 - Year	20936	784.15	805.63		806.49	0.002152	7.67
Reach 2	495446	10 - Year	34589	784.15	810.19		811.48	0.002487	9.63
Reach 2	495446	50 - Year	81322	784.15	820.21		822.4	0.002909	13.37
Reach 2	495446	100 - Year	98953	784.15	822.75		825.18	0.003036	14.37
Reach 2	495446	500 - Year	140151	784.15	827.94		830.85	0.003247	16.32
Reach 2	495130	2 - Year	2695	784	794.28		794.33	0.000357	1.95
Reach 2	495130	5 - Year	20936	784	805.3		805.9	0.001261	6.3
Reach 2	495130	10 - Year	34589	784	809.77		810.76	0.001646	8.26
Reach 2	495130	50 - Year	81322	784	819.44		821.54	0.00242	12.55
Reach 2	495130	100 - Year	98953	784	821.9		824.28	0.002589	13.61
Reach 2	495130	500 - Year	140151	784	826.9		829.87	0.002904	15.72
Reach 2	494854	2 - Year	2695	783.4	794.18		794.24	0.000354	1.93
Reach 2	494854	5 - Year	20936	783.4	804.95		805.54	0.001282	6.33
Reach 2	494854	10 - Year	34589	783.4	809.33		810.3	0.001649	8.22
Reach 2	494854	50 - Year	81322	783.4	818.77		820.86	0.002475	12.59
Reach 2	494854	100 - Year	98953	783.4	821.16		823.56	0.002673	13.7
Reach 2	494854	500 - Year	140151	783.4	826.06		829.05	0.002998	15.82
Reach 2	494591	2 - Year	2695	782.91	794.1		794.15	0.000297	1.77
Reach 2	494591	5 - Year	20936	782.91	804.7		805.21	0.001113	5.83
Reach 2	494591	10 - Year	34589	782.91	809.03		809.85	0.00142	7.55

Reach 2	494591	50 - Year	81322	782.91	818.42		820.16	0.002087	11.46
Reach 2	494591	100 - Year	98953	782.91	820.75		822.8	0.002308	12.61
Reach 2	494591	500 - Year	140151	782.91	825.57		828.21	0.002655	14.74
Reach 2	494365	2 - Year	2695	781.42	794.06		794.09	0.000177	1.48
Reach 2	494365	5 - Year	20936	781.42	804.54		804.96	0.000859	5.31
Reach 2	494365	10 - Year	34589	781.42	808.8		809.53	0.001175	7.06
Reach 2	494365	50 - Year	81322	781.42	818.02		819.69	0.00189	11.09
Reach 2	494365	100 - Year	98953	781.42	820.32		822.28	0.002096	12.2
Reach 2	494365	500 - Year	140151	781.42	825.04		827.61	0.002456	14.34
Reach 2	494111	2 - Year	2695	781.62	794.02		794.05	0.000141	1.4
Reach 2	494111	5 - Year	20936	781.62	804.34		804.75	0.000801	5.24
Reach 2	494111	10 - Year	34589	781.62	808.52		809.24	0.001132	7.04
Reach 2	494111	50 - Year	81322	781.62	817.51		819.16	0.00187	11.1
Reach 2	494111	100 - Year	98953	781.62	819.76		821.75	0.002118	12.33
Reach 2	494111	500 - Year	140151	781.62	824.34		826.98	0.002532	14.59
Reach 2	493855	2 - Year	2695	781.4	793.94		794	0.000338	1.84
Reach 2	493855	5 - Year	20936	781.4	804.03		804.5	0.00114	5.77
Reach 2	493855	10 - Year	34589	781.4	808.14		808.91	0.001461	7.47
Reach 2	493855	50 - Year	81322	781.4	816.91		818.63	0.002273	11.62
Reach 2	493855	100 - Year	98953	781.4	819.09		821.14	0.002553	12.88
Reach 2	493855	500 - Year	140151	781.4	823.67		826.28	0.002891	14.93
Reach 2	493608	2 - Year	2695	782.25	793.81		793.88	0.000645	2.23
Reach 2	493608	5 - Year	20936	782.25	803.63		804.17	0.001555	6.25
Reach 2	493608	10 - Year	34589	782.25	807.64		808.49	0.001895	7.99
Reach 2	493608	50 - Year	81322	782.25	816.19		818.01	0.002746	12.14
Reach 2	493608	100 - Year	98953	782.25	818.36		820.47	0.002977	13.26
Reach 2	493608	500 - Year	140151	782.25	822.95		825.53	0.003226	15.13
Reach 2	493451	2 - Year	2695	782.07	793.72		793.79	0.000544	2.16
Reach 2	493451	5 - Year	20936	782.07	803.32		803.91	0.001623	6.52
Reach 2	493451	10 - Year	34589	782.07	807.28		808.19	0.001957	8.24
Reach 2	493451	50 - Year	81322	782.07	815.61		817.56	0.002929	12.62
Reach 2	493451	100 - Year	98953	782.07	817.61		819.96	0.003313	14.03
Reach 2	493451	500 - Year	140151	782.07	822.08		824.98	0.003632	16.06
Reach 2	493297	2 - Year	2695	780.48	793.66		793.71	0.000393	1.94
Reach 2	493297	5 - Year	20936	780.48	803.1		803.67	0.001473	6.32
Reach 2	493297	10 - Year	34589	780.48	806.96		807.89	0.001916	8.23
Reach 2	493297	50 - Year	81322	780.48	815.08		817.11	0.002957	12.69
Reach 2	493297	100 - Year	98953	780.48	817.13		819.47	0.003227	13.86
Reach 2	493297	500 - Year	140151	780.48	821.2		824.39	0.003902	16.53
Reach 2	493100	2 - Year	2695	781.06	793.61		793.65	0.000251	1.67

Reach 2	493100	5 - Year	20936	781.06	802.94		803.39	0.001086	5.61
Reach 2	493100	10 - Year	34589	781.06	806.75		807.51	0.001486	7.45
Reach 2	493100	50 - Year	81322	781.06	814.71		816.5	0.002521	11.92
Reach 2	493100	100 - Year	98953	781.06	816.78		818.79	0.002695	12.89
Reach 2	493100	500 - Year	140151	781.06	821.1		823.49	0.002908	14.57
Reach 2	492907	2 - Year	2695	780.92	793.53		793.59	0.000412	1.98
Reach 2	492907	5 - Year	20936	780.92	802.6		803.13	0.001487	6.26
Reach 2	492907	10 - Year	34589	780.92	806.27		807.17	0.001978	8.23
Reach 2	492907	50 - Year	81322	780.92	813.91		815.94	0.003203	12.92
Reach 2	492907	100 - Year	98953	780.92	816		818.2	0.003319	13.79
Reach 2	492907	500 - Year	140151	780.92	820.36		822.87	0.003426	15.32
Reach 2	492681	2 - Year	2695	781.32	793.44		793.5	0.000368	1.92
Reach 2	492681	5 - Year	20936	781.32	802.21		802.79	0.00159	6.49
Reach 2	492681	10 - Year	34589	781.32	805.72		806.7	0.002161	8.58
Reach 2	492681	50 - Year	81322	781.32	812.99		815.18	0.003549	13.46
Reach 2	492681	100 - Year	98953	781.32	814.98		817.4	0.003742	14.47
Reach 2	492681	500 - Year	140151	781.32	819.42		822.08	0.00372	15.83
Reach 2	492435	2 - Year	2695	783.2	793.32		793.39	0.000555	2.07
Reach 2	492435	5 - Year	20936	783.2	801.77		802.36	0.001867	6.53
Reach 2	492435	10 - Year	34589	783.2	805.12		806.13	0.002491	8.62
Reach 2	492435	50 - Year	81322	783.2	812.04		814.27	0.003918	13.37
Reach 2	492435	100 - Year	98953	783.2	814.09		816.46	0.003952	14.14
Reach 2	492435	500 - Year	140151	783.2	818.61		821.14	0.003754	15.25
Reach 2	492202	2 - Year	2695	783.3	793.15		793.23	0.000793	2.29
Reach 2	492202	5 - Year	20936	783.3	801.24		801.89	0.00223	6.79
Reach 2	492202	10 - Year	34589	783.3	804.47		805.51	0.00284	8.79
Reach 2	492202	50 - Year	81322	783.3	811.13		813.31	0.004232	13.34
Reach 2	492202	100 - Year	98953	783.3	813.14		815.5	0.004299	14.18
Reach 2	492202	500 - Year	140151	783.3	817.68		820.24	0.004036	15.3
Reach 2	491911	2 - Year	2695	783.23	792.88		792.98	0.000918	2.59
Reach 2	491911	5 - Year	20936	783.23	800.43		801.2	0.002481	7.5
Reach 2	491911	10 - Year	34589	783.23	803.52		804.67	0.002968	9.43
Reach 2	491911	50 - Year	81322	783.23	810.05		812.13	0.003886	13.52
Reach 2	491911	100 - Year	98953	783.23	812.08		814.31	0.003872	14.28
Reach 2	491911	500 - Year	140151	783.23	816.7		819.14	0.003579	15.38
Reach 2	491701	2 - Year	2695	783.62	792.6		792.73	0.001621	3.19
Reach 2	491701	5 - Year	20936	783.62	799.94		800.62	0.002968	7.85
Reach 2	491701	10 - Year	34589	783.62	802.98		803.98	0.003463	9.81
Reach 2	491701	50 - Year	81322	783.62	809.57		811.21	0.003966	13.31
Reach 2	491701	100 - Year	98953	783.62	811.59		813.4	0.003977	14.13
Reach 2	491701	500 - Year	140151	783.62	816.24		818.3	0.003703	15.34

Reach 2	491525	2 - Year	2695	785.33	792.13		792.33	0.003536	4
Reach 2	491525	5 - Year	20936	785.33	799.28		800.05	0.003859	8.33
Reach 2	491525	10 - Year	34589	785.33	802.21		803.32	0.004278	10.25
Reach 2	491525	50 - Year	81322	785.33	808.67		810.45	0.004777	13.95
Reach 2	491525	100 - Year	98953	785.33	810.76		812.66	0.004592	14.59
Reach 2	491525	500 - Year	140151	785.33	815.58		817.63	0.004038	15.56
Reach 2	491307	2 - Year	2695	780.48	791.97		792.05	0.000535	2.14
Reach 2	491307	5 - Year	20936	780.48	798.67		799.38	0.002325	7.16
Reach 2	491307	10 - Year	34589	780.48	801.52		802.54	0.002799	8.95
Reach 2	491307	50 - Year	81322	780.48	807.98		809.56	0.003221	12.04
Reach 2	491307	100 - Year	98953	780.48	810.12		811.79	0.003118	12.58
Reach 2	491307	500 - Year	140151	780.48	815.03		816.85	0.00283	13.53
Reach 2	491029	2 - Year	2695	783.95	791.63		791.75	0.002965	2.78
Reach 2	491029	5 - Year	20936	783.95	797.93		798.56	0.003617	6.51
Reach 2	491029	10 - Year	34589	783.95	800.66		801.6	0.003892	8.03
Reach 2	491029	50 - Year	81322	783.95	807.11		808.55	0.003759	10.53
Reach 2	491029	100 - Year	98953	783.95	809.41		810.82	0.003311	10.69
Reach 2	491029	500 - Year	140151	783.95	814.69		815.96	0.002415	10.63
Reach 2	490719	2 - Year	2695	782.75	788.31	788.16	789.48	0.032178	9.19
Reach 2	490719	5 - Year	20936	782.75	796.4		797.11	0.006287	7.91
Reach 2	490719	10 - Year	34589	782.75	799.4		800.23	0.00496	8.66
Reach 2	490719	50 - Year	81322	782.75	805.9		807.25	0.004637	11.38
Reach 2	490719	100 - Year	98953	782.75	808.28		809.68	0.004177	11.75
Reach 2	490719	500 - Year	140151	782.75	813.68		815.08	0.003431	12.48
Reach 2	490408	2 - Year	2695	775.25	783.9		784.65	0.00898	7.03
Reach 2	490408	5 - Year	20936	775.25	793.21		794.85	0.008531	11.07
Reach 2	490408	10 - Year	34589	775.25	797.21		798.64	0.005355	11.07
Reach 2	490408	50 - Year	81322	775.25	804.72		806.09	0.003462	11.95
Reach 2	490408	100 - Year	98953	775.25	807.23		808.64	0.003146	12.28
Reach 2	490408	500 - Year	140151	775.25	812.81		814.22	0.002584	12.82
Reach 2	490110	2 - Year	2695	772.75	783.32		783.53	0.001635	3.75
Reach 2	490110	5 - Year	20936	772.75	791.17		792.84	0.005159	11.11
Reach 2	490110	10 - Year	34589	772.75	794.62		796.85	0.00561	13.42
Reach 2	490110	50 - Year	81322	772.75	803.53		805	0.003083	13.09
Reach 2	490110	100 - Year	98953	772.75	806.41		807.67	0.002465	12.54
Reach 2	490110	500 - Year	140151	772.75	812.2		813.39	0.00202	12.8
Reach 2	489866	2 - Year	2695	771.58	783.32		783.38	0.000188	2.01
Reach 2	489866	5 - Year	20936	771.58	791.24		792.01	0.001191	7.54
Reach 2	489866	10 - Year	34589	771.58	794.61		795.84	0.001606	9.84
Reach 2	489866	50 - Year	81322	771.58	803.21		804.37	0.001317	11.21

Reach 2	489866	100 - Year	98953	771.58	806.12		807.15	0.001122	11.02
Reach 2	489866	500 - Year	140151	771.58	812.01		812.93	0.000909	11.08
Reach 2	489610	2 - Year	2695	775.56	783.04		783.25	0.001875	3.93
Reach 2	489610	5 - Year	20936	775.56	790.39		791.44	0.003427	9.01
Reach 2	489610	10 - Year	34589	775.56	793.85		795.18	0.003121	10.45
Reach 2	489610	50 - Year	81322	775.56	802.92		803.81	0.001475	10.09
Reach 2	489610	100 - Year	98953	775.56	805.93		806.66	0.001105	9.49
Reach 2	489610	500 - Year	140151	775.56	811.95		812.52	0.000747	8.98
Reach 2	489319	2 - Year	2695	776.08	780.72	780.72	781.65	0.041227	8.34
Reach 2	489319	5 - Year	20936	776.08	789.18	785.86	790.12	0.005456	8.81
Reach 2	489319	10 - Year	34589	776.08	792.93	788.3	794.01	0.004228	9.72
Reach 2	489319	50 - Year	81322	776.08	802.47	793.91	803.25	0.001926	9.44
Reach 2	489319	100 - Year	98953	776.08	805.6	796.64	806.24	0.001411	8.81
Reach 2	489319	500 - Year	140151	776.08	811.72	800.35	812.24	0.000958	8.37
Reach 2	488901	2 - Year	2695	771.93	779.91	775.25	780.02	0.001024	2.77
Reach 2	488901	5 - Year	20936	771.93	788.26	782.29	788.79	0.001913	6.55
Reach 2	488901	10 - Year	34589	771.93	792.18	784	792.84	0.001821	7.6
Reach 2	488901	50 - Year	81322	771.93	801.8	790.19	802.65	0.001518	9.34
Reach 2	488901	100 - Year	98953	771.93	804.96	791.87	805.75	0.001282	9.25
Reach 2	488901	500 - Year	140151	771.93	810.71	795.97	811.72	0.00141	10.91
Reach 2	488514	2 - Year	2695	763.72	779.84	768.76	779.88	0.000125	1.56
Reach 2	488514	5 - Year	20936	763.72	787.62	776.73	788.22	0.00114	6.57
Reach 2	488514	10 - Year	34589	763.72	791.28	780.36	792.17	0.001457	8.33
Reach 2	488514	50 - Year	81322	763.72	800.61	790	801.94	0.001645	11.07
Reach 2	488514	100 - Year	98953	763.72	803.37	792.2	804.97	0.001816	12.28
Reach 2	488514	500 - Year	140151	763.72	808.79	796.09	810.82	0.002023	14.26
Reach 2	488340	2 - Year	2695	762.65	779.83	766.98	779.85	0.000058	1.1
Reach 2	488340	5 - Year	20936	762.65	787.58	774.25	787.96	0.000646	5.05
Reach 2	488340	10 - Year	34589	762.65	791.19	777.28	791.86	0.000947	6.82
Reach 2	488340	50 - Year	81322	762.65	800.25	785.38	801.66	0.001423	10.36
Reach 2	488340	100 - Year	98953	762.65	802.99	787.88	804.66	0.001549	11.4
Reach 2	488340	500 - Year	140151	762.65	808.46	793.09	810.5	0.001691	13.11
Reach 2	488168	2 - Year	2695	767.67	779.79	771.55	779.83	0.000197	1.63
Reach 2	488168	5 - Year	20936	767.67	787.14	778.32	787.74	0.001388	6.45
Reach 2	488168	10 - Year	34589	767.67	790.54	781.44	791.54	0.001859	8.46
Reach 2	488168	50 - Year	81322	767.67	799.36	788.96	801.22	0.002327	12.12
Reach 2	488168	100 - Year	98953	767.67	802	791.23	804.18	0.002487	13.29
Reach 2	488168	500 - Year	140151	767.67	808.17	795.94	810.15	0.00205	13.61
Reach 2	487922	2 - Year	2698	773.66	779.21	778.39	779.58	0.011301	4.89
Reach 2	487922	5 - Year	20962	773.66	786.1	782.99	787.03	0.005725	8.35

Reach 2	487922	10 - Year	34589	773.66	789.67	785.12	790.8	0.004734	9.4
Reach 2	487922	50 - Year	81452	773.66	799.27	790.58	800.17	0.00221	9.29
Reach 2	487922	100 - Year	99125	773.66	802.04	792.35	802.99	0.00205	9.67
Reach 2	487922	500 - Year	140342	773.66	808.32	795.7	809.13	0.001419	9.32
Reach 2	487555	2 - Year	2698	770.39	776.41	774.43	776.72	0.005629	4.46
Reach 2	487555	5 - Year	20962	770.39	783.96		785.02	0.005256	9.01
Reach 2	487555	10 - Year	34589	770.39	787.93		789.16	0.004327	10
Reach 2	487555	50 - Year	81452	770.39	797.35		798.98	0.003481	12.36
Reach 2	487555	100 - Year	99125	770.39	800.14		801.85	0.003294	12.91
Reach 2	487555	500 - Year	140342	770.39	806.02		808.04	0.003244	14.58
Reach 2	487237	2 - Year	2698	767.24	771.28	771.28	772.66	0.037798	9.44
Reach 2	487237	5 - Year	20962	767.24	781.66		783.12	0.006469	10.39
Reach 2	487237	10 - Year	34589	767.24	786.21		787.71	0.004715	10.99
Reach 2	487237	50 - Year	81452	767.24	795.88		797.81	0.00375	13.31
Reach 2	487237	100 - Year	99125	767.24	798.79		800.76	0.003486	13.77
Reach 2	487237	500 - Year	140342	767.24	805.06		807.05	0.003105	14.8
Reach 2	486887	2 - Year	2698	758	770.24		770.3	0.00036	2.06
Reach 2	486887	5 - Year	20962	758	781.41		782.01	0.001266	6.53
Reach 2	486887	10 - Year	34589	758	785.72		786.65	0.001605	8.34
Reach 2	486887	50 - Year	81452	758	794.88		796.77	0.002432	12.66
Reach 2	486887	100 - Year	99125	758	797.9		799.77	0.002298	13.02
Reach 2	486887	500 - Year	140342	758	804.54		806.14	0.001836	12.99
Reach 2	486550	2 - Year	2698	749.62	770.25		770.26	0.000032	1.02
Reach 2	486550	5 - Year	20962	749.62	781.4		781.73	0.000351	4.68
Reach 2	486550	10 - Year	34589	749.62	785.62		786.25	0.000583	6.6
Reach 2	486550	50 - Year	81452	749.62	794.42		796.16	0.001271	11.39
Reach 2	486550	100 - Year	99125	749.62	797.04		799.14	0.001455	12.68
Reach 2	486550	500 - Year	140342	749.62	802.81		805.46	0.001672	14.74
Reach 2	486200	2 - Year	2698	760	770.06		770.22	0.001225	3.22
Reach 2	486200	5 - Year	20962	760	780.24		781.37	0.003033	9.1
Reach 2	486200	10 - Year	34589	760	784.04		785.73	0.003713	11.48
Reach 2	486200	50 - Year	81452	760	792.97		795.37	0.003956	14.97
Reach 2	486200	100 - Year	99125	760	795.91		798.35	0.00371	15.43
Reach 2	486200	500 - Year	140342	760	801.98		804.64	0.003498	16.76
Reach 2	485925	2 - Year	2698	758.07	769.91		770.01	0.00045	2.49
Reach 2	485925	5 - Year	20962	758.07	779.77		780.67	0.001827	8.16
Reach 2	485925	10 - Year	34589	758.07	783.44		784.83	0.002389	10.5
Reach 2	485925	50 - Year	81452	758.07	792.16		794.39	0.002918	14.41
Reach 2	485925	100 - Year	99125	758.07	795.17		797.42	0.002769	14.91
Reach 2	485925	500 - Year	140342	758.07	801.55		803.71	0.002358	15.41

Reach 2	485647	2 - Year	2698	757.85	769.83		769.89	0.000325	2.13
Reach 2	485647	5 - Year	20962	757.85	779.46		780.16	0.001479	7.32
Reach 2	485647	10 - Year	34589	757.85	783.12		784.16	0.001859	9.24
Reach 2	485647	50 - Year	81452	757.85	791.77		793.55	0.002398	13.03
Reach 2	485647	100 - Year	99125	757.85	794.77		796.62	0.002309	13.6
Reach 2	485647	500 - Year	140342	757.85	801.2		803.04	0.002015	14.25
Reach 2	485323	2 - Year	2698	757.09	769.68		769.76	0.000522	2.3
Reach 2	485323	5 - Year	20962	757.09	778.96		779.65	0.001667	7.05
Reach 2	485323	10 - Year	34589	757.09	782.48		783.52	0.002076	8.93
Reach 2	485323	50 - Year	81452	757.09	790.99		792.76	0.002507	12.41
Reach 2	485323	100 - Year	99125	757.09	794.01		795.87	0.002404	12.98
Reach 2	485323	500 - Year	140342	757.09	800.38		802.35	0.002183	13.98
Reach 2	484952	2 - Year	2698	758.6	769.31		769.46	0.001295	3.16
Reach 2	484952	5 - Year	20962	758.6	778.48		778.99	0.001698	6.69
Reach 2	484952	10 - Year	34589	758.6	782.07		782.72	0.001766	7.85
Reach 2	484952	50 - Year	81452	758.6	790.68		791.77	0.001985	10.7
Reach 2	484952	100 - Year	99125	758.6	793.68		794.91	0.001989	11.48
Reach 2	484952	500 - Year	140342	758.6	800.11		801.46	0.001817	12.46
Reach 2	484649	2 - Year	2698	761.83	768.47		768.78	0.004556	4.44
Reach 2	484649	5 - Year	20962	761.83	777.73		778.37	0.002392	7.29
Reach 2	484649	10 - Year	34589	761.83	781.19		782.07	0.002514	8.74
Reach 2	484649	50 - Year	81452	761.83	789.64		791.06	0.002598	11.69
Reach 2	484649	100 - Year	99125	761.83	792.73		794.22	0.002408	12.16
Reach 2	484649	500 - Year	140342	761.83	799.24		800.85	0.002098	13.05
Reach 2	484358	2 - Year	2698	755.26	768.18		768.31	0.000689	2.92
Reach 2	484358	5 - Year	20962	755.26	776.92		777.71	0.002243	8.28
Reach 2	484358	10 - Year	34589	755.26	780.25		781.33	0.002655	10.1
Reach 2	484358	50 - Year	81452	755.26	788.67		790.28	0.002917	13.25
Reach 2	484358	100 - Year	99125	755.26	791.86		793.51	0.002701	13.65
Reach 2	484358	500 - Year	140342	755.26	798.34		800.19	0.002578	15.04
Reach 2	484072	2 - Year	2698	761.9	767.7		767.93	0.003286	3.85
Reach 2	484072	5 - Year	20962	761.9	776.09		776.95	0.003121	7.98
Reach 2	484072	10 - Year	34589	761.9	779.22		780.45	0.00346	9.78
Reach 2	484072	50 - Year	81452	761.9	787.22		789.31	0.003677	13.34
Reach 2	484072	100 - Year	99125	761.9	790.51		792.62	0.003239	13.67
Reach 2	484072	500 - Year	140342	761.9	797.57		799.48	0.002353	13.63
Reach 2	483779	2 - Year	2698	760	766.3		766.66	0.005853	4.81
Reach 2	483779	5 - Year	20962	760	775.33		776.06	0.002852	7.79
Reach 2	483779	10 - Year	34589	760	778.41		779.46	0.003171	9.5
Reach 2	483779	50 - Year	81452	760	786.5		788.22	0.003288	12.77
Reach 2	483779	100 - Year	99125	760	789.93		791.66	0.002851	13.01

Reach 2	483779	500 - Year	140342	760	797.07		798.78	0.00223	13.44
Reach 2	483392	2 - Year	2698	753.6	764.58		764.91	0.003547	4.64
Reach 2	483392	5 - Year	20962	753.6	774.29		774.92	0.002924	7
Reach 2	483392	10 - Year	34589	753.6	777.3		778.18	0.003226	8.52
Reach 2	483392	50 - Year	81452	753.6	785.61		786.91	0.002921	10.85
Reach 2	483392	100 - Year	99125	753.6	789.27		790.51	0.002384	10.8
Reach 2	483392	500 - Year	140342	753.6	796.59		797.87	0.001886	11.26
Reach 2	483114	2 - Year	2698	754.68	762.79		763.41	0.008785	6.32
Reach 2	483114	5 - Year	20962	754.68	772.43		773.71	0.006224	9.8
Reach 2	483114	10 - Year	34589	754.68	775.36		776.91	0.006112	11.3
Reach 2	483114	50 - Year	81452	754.68	784.41		785.97	0.00371	12.19
Reach 2	483114	100 - Year	99125	754.68	788.42		789.79	0.002732	11.62
Reach 2	483114	500 - Year	140342	754.68	795.96		797.31	0.002096	11.96
Reach 2	482794	2 - Year	2698	750.13	762.23		762.42	0.001286	3.51
Reach 2	482794	5 - Year	20962	750.13	769.45	765.84	771.56	0.006808	11.93
Reach 2	482794	10 - Year	34589	750.13	772.69		774.91	0.006214	13.21
Reach 2	482794	50 - Year	81452	750.13	783.42		784.98	0.002836	12.5
Reach 2	482794	100 - Year	99125	750.13	787.7		789.06	0.002135	11.97
Reach 2	482794	500 - Year	140342	750.13	795.5		796.73	0.001571	11.91
Reach 2	482386	2 - Year	2698	748.4	762.16	753.86	762.21	0.000197	1.72
Reach 2	482386	5 - Year	20962	748.4	769.04	760.7	769.88	0.001844	7.51
Reach 2	482386	10 - Year	34589	748.4	772.36	763.9	773.24	0.001832	8.45
Reach 2	482386	50 - Year	81452	748.4	783.13	772.74	784.01	0.001273	9.4
Reach 2	482386	100 - Year	99125	748.4	787.51	774.13	788.29	0.001013	9.16
Reach 2	482386	500 - Year	140342	748.4	795.31	776.91	796.12	0.000886	9.8
Reach 2	482020	2 - Year	2698	749.75	761.87	757.27	762.02	0.002544	3.4
Reach 2	482020	5 - Year	20962	749.75	768.08	764.37	768.85	0.005216	8.23
Reach 2	482020	10 - Year	34589	749.75	772.18	766.41	772.48	0.001725	5.81
Reach 2	482020	50 - Year	81452	749.75	783.18	771.01	783.5	0.000916	6.05
Reach 2	482020	100 - Year	99125	749.75	787.55	771.01	787.86	0.000805	6.28
Reach 2	482020	500 - Year	140342	749.75	795.44	772.48	795.72	0.000639	6.51
Reach 2	481619	2 - Year	2698	750.22	759.97	757.92	760.38	0.008396	5.1
Reach 2	481619	5 - Year	20962	750.22	767.85	763.33	767.99	0.001244	3.9
Reach 2	481619	10 - Year	34589	750.22	771.98	764.54	772.12	0.000774	3.81
Reach 2	481619	50 - Year	81452	750.22	783.1	767.03	783.28	0.000503	4.45
Reach 2	481619	100 - Year	99125	750.22	787.48	767.77	787.66	0.000467	4.76
Reach 2	481619	500 - Year	140342	750.22	795.4	769.43	795.56	0.00035	4.81
Reach 2	481290	2 - Year	2698	748.62	758.79		759.01	0.002267	3.81
Reach 2	481290	5 - Year	20962	748.62	767.7		767.81	0.000912	3.54
Reach 2	481290	10 - Year	34589	748.62	771.91		772.02	0.000605	3.52

Reach 2	481290	50 - Year	81452	748.62	783.06		783.21	0.000429	4.2
Reach 2	481290	100 - Year	99125	748.62	787.44		787.59	0.000416	4.57
Reach 2	481290	500 - Year	140342	748.62	795.37		795.51	0.000319	4.64
Reach 2	481070	2 - Year	2698	748.22	757.56		758.07	0.00814	5.73
Reach 2	481070	5 - Year	20962	748.22	767.52		767.63	0.000872	3.61
Reach 2	481070	10 - Year	34589	748.22	771.77		771.89	0.000631	3.73
Reach 2	481070	50 - Year	81452	748.22	782.93		783.11	0.000497	4.64
Reach 2	481070	100 - Year	99125	748.22	787.3		787.49	0.000525	5.26
Reach 2	481070	500 - Year	140342	748.22	795.29		795.44	0.000351	4.97
Reach 2	480785	2 - Year	2698	745.08	756.76	752.21	756.9	0.001888	3.05
Reach 2	480785	5 - Year	20962	745.08	767.26	759.85	767.4	0.000756	3.94
Reach 2	480785	10 - Year	34589	745.08	771.58	761.81	771.72	0.000583	4.06
Reach 2	480785	50 - Year	81452	745.08	782.79	766.22	782.98	0.000442	4.74
Reach 2	480785	100 - Year	99125	745.08	787.18	767.11	787.37	0.000411	4.99
Reach 2	480785	500 - Year	140342	745.08	795.17	768.93	795.35	0.000341	5.2
Reach 2	480576	2 - Year	2698	744.99	756.44	751.35	756.57	0.001358	2.9
Reach 2	480576	5 - Year	20962	744.99	766.77	759.21	767.17	0.001292	5.09
Reach 2	480576	10 - Year	34589	744.99	770.93	761.54	771.5	0.001267	6.14
Reach 2	480576	50 - Year	81452	744.99	781.93	767.01	782.78	0.001032	7.82
Reach 2	480576	100 - Year	99125	744.99	786.48	768.75	787.2	0.000762	7.45
Reach 2	480576	500 - Year	140342	744.99	794.8	772.29	795.24	0.000427	6.51
Reach 2	480508	2 - Year	2698	747.03	756.41	751.58	756.48	0.00077	2.19
Reach 2	480508	5 - Year	20962	747.03	766.71	757.51	767.09	0.001042	4.98
Reach 2	480508	10 - Year	34589	747.03	770.83	760.15	771.42	0.001154	6.23
Reach 2	480508	50 - Year	81452	747.03	781.46	766.22	782.66	0.001302	9.01
Reach 2	480508	100 - Year	99125	747.03	785.83	768.04	787.08	0.001146	9.29
Reach 2	480508	500 - Year	140342	747.03	794.46	771.72	795.18	0.000617	7.96
Reach 2	480480		Bridge						
Reach 2	480451	2 - Year	2698	747.03	756.27		756.35	0.000839	2.25
Reach 2	480451	5 - Year	20962	747.03	766.38		766.78	0.001132	5.11
Reach 2	480451	10 - Year	34589	747.03	770.39		771.01	0.001256	6.39
Reach 2	480451	50 - Year	81452	747.03	780.48		781.75	0.001449	9.29
Reach 2	480451	100 - Year	99125	747.03	784.03		785.3	0.001294	9.51
Reach 2	480451	500 - Year	140342	747.03	790.17		791.05	0.000872	8.8
Reach 2	480413	2 - Year	2698	747.57	756.12		756.28	0.00182	3.23
Reach 2	480413	5 - Year	20962	747.57	766.06		766.66	0.001875	6.3
Reach 2	480413	10 - Year	34589	747.57	770.01		770.88	0.001926	7.66
Reach 2	480413	50 - Year	81452	747.57	780.12		781.62	0.001879	10.4
Reach 2	480413	100 - Year	99125	747.57	783.63		785.1	0.001643	10.56
Reach 2	480413	500 - Year	140342	747.57	789.94		790.97	0.001091	9.77

Reach 2	480278	2 - Year	2698	748.29	755.69		755.96	0.002955	4.19
Reach 2	480278	5 - Year	20962	748.29	765.54		766.36	0.002262	7.56
Reach 2	480278	10 - Year	34589	748.29	769.48		770.58	0.002188	8.93
Reach 2	480278	50 - Year	81452	748.29	779.36		781.3	0.002207	12.28
Reach 2	480278	100 - Year	99125	748.29	782.77		784.8	0.002028	12.77
Reach 2	480278	500 - Year	140342	748.29	789.38		790.77	0.001303	11.7
Reach 2	480092	2 - Year	2697	746.38	755.27		755.47	0.002158	3.63
Reach 2	480092	5 - Year	20959	746.38	765.33		765.95	0.001584	6.57
Reach 2	480092	10 - Year	34504	746.38	769.29		770.16	0.001629	7.94
Reach 2	480092	50 - Year	81492	746.38	779.18		780.85	0.001786	11.27
Reach 2	480092	100 - Year	99183	746.38	782.45		784.43	0.00183	12.31
Reach 2	480092	500 - Year	140401	746.38	789.11		790.54	0.001222	11.48
Reach 2	479907	2 - Year	2697	743.09	754.84		755.1	0.001869	4.05
Reach 2	479907	5 - Year	20959	743.09	764.3		765.51	0.00295	9.49
Reach 2	479907	10 - Year	34504	743.09	768.09		769.69	0.00308	11.32
Reach 2	479907	50 - Year	81492	743.09	777.94		780.37	0.002955	14.77
Reach 2	479907	100 - Year	99183	743.09	780.99		783.91	0.003128	16.27
Reach 2	479907	500 - Year	140401	743.09	786.99		790.06	0.002919	17.67
Reach 2	479687	2 - Year	2697	743.8	754.48		754.7	0.001638	3.78
Reach 2	479687	5 - Year	20959	743.8	763.74		764.84	0.002731	8.9
Reach 2	479687	10 - Year	34504	743.8	767.45		768.99	0.002962	10.85
Reach 2	479687	50 - Year	81492	743.8	777.64		779.63	0.002435	13.33
Reach 2	479687	100 - Year	99183	743.8	780.99		783.04	0.002262	13.86
Reach 2	479687	500 - Year	140401	743.8	786.66		789.3	0.002444	16.1
Reach 2	479515	2 - Year	2697	742.71	754.41		754.5	0.000619	2.32
Reach 2	479515	5 - Year	20959	742.71	763.83		764.36	0.001243	5.86
Reach 2	479515	10 - Year	34504	742.71	767.6		768.44	0.001427	7.41
Reach 2	479515	50 - Year	81492	742.71	777.59		779.17	0.001549	10.48
Reach 2	479515	100 - Year	99183	742.71	780.92		782.62	0.001467	11.02
Reach 2	479515	500 - Year	140401	742.71	786.77		788.78	0.001452	12.33
Reach 2	479342	2 - Year	2697	746.93	754.07		754.3	0.002349	3.8
Reach 2	479342	5 - Year	20959	746.93	763.27		764.05	0.002288	7.22
Reach 2	479342	10 - Year	34504	746.93	767.07		768.11	0.002173	8.51
Reach 2	479342	50 - Year	81492	746.93	777.15		778.86	0.001929	11.23
Reach 2	479342	100 - Year	99183	746.93	780.34		782.3	0.001917	12.12
Reach 2	479342	500 - Year	140401	746.93	786.23		788.48	0.001812	13.35
Reach 2	479197	2 - Year	2697	743.53	754.09	747.45	754.15	0.000299	2.03
Reach 2	479197	5 - Year	20959	743.53	763.19	754.46	763.77	0.001101	6.46
Reach 2	479197	10 - Year	34504	743.53	766.86	757.21	767.84	0.001471	8.5
Reach 2	479197	50 - Year	81492	743.53	776.22	764.24	778.51	0.002191	13.3

Reach 2	479197	100 - Year	99183	743.53	779.21	766.43	781.93	0.002354	14.68
Reach 2	479197	500 - Year	140401	743.53	785.31	771.31	788.14	0.002166	15.76
Reach 2	479165		Bridge						
Reach 2	479132	2 - Year	2697	743.53	754.06		754.13	0.000303	2.04
Reach 2	479132	5 - Year	20959	743.53	763.05		763.64	0.001135	6.52
Reach 2	479132	10 - Year	34504	743.53	766.65		767.65	0.001526	8.6
Reach 2	479132	50 - Year	81492	743.53	775.01		777.54	0.002517	13.87
Reach 2	479132	100 - Year	99183	743.53	776.1		780.12	0.003704	17.24
Reach 2	479132	500 - Year	140401	743.53	779.26	771.16	785.06	0.004914	21.23
Reach 2	479046	2 - Year	2697	742.85	754.05		754.1	0.000187	1.68
Reach 2	479046	5 - Year	20959	742.85	763.03		763.49	0.000824	5.7
Reach 2	479046	10 - Year	34504	742.85	766.7		767.39	0.001022	7.2
Reach 2	479046	50 - Year	81492	742.85	775.48		776.76	0.001324	10.34
Reach 2	479046	100 - Year	99183	742.85	777.07		778.73	0.001636	11.9
Reach 2	479046	500 - Year	140401	742.85	780.64		783.13	0.002175	14.74
Reach 2	478906	2 - Year	2697	741.66	754.03		754.07	0.000173	1.65
Reach 2	478906	5 - Year	20959	741.66	762.87		763.37	0.000873	5.89
Reach 2	478906	10 - Year	34504	741.66	766.51		767.24	0.001061	7.36
Reach 2	478906	50 - Year	81492	741.66	775.1		776.54	0.001469	10.86
Reach 2	478906	100 - Year	99183	741.66	776.61		778.47	0.001801	12.43
Reach 2	478906	500 - Year	140401	741.66	780.19		782.8	0.002267	14.99
Reach 2	478699	2 - Year	2697	742.75	753.9		754	0.000904	2.91
Reach 2	478699	5 - Year	20959	742.75	762.63		763.11	0.001824	7.11
Reach 2	478699	10 - Year	34504	742.75	766.31		766.93	0.001801	8.13
Reach 2	478699	50 - Year	81492	742.75	774.95		776.09	0.002263	11.65
Reach 2	478699	100 - Year	99183	742.75	776.53		777.89	0.002557	12.85
Reach 2	478699	500 - Year	140401	742.75	780.24		782.04	0.002941	14.91
Reach 2	478501	2 - Year	2697	743.24	752.85	751.41	753.53	0.009271	6.85
Reach 2	478501	5 - Year	20959	743.24	762.12		762.68	0.002623	7.7
Reach 2	478501	10 - Year	34504	743.24	765.82		766.53	0.002371	8.58
Reach 2	478501	50 - Year	81492	743.24	774.43		775.6	0.002741	12.05
Reach 2	478501	100 - Year	99183	743.24	775.97		777.35	0.003025	13.16
Reach 2	478501	500 - Year	140401	743.24	779.67		781.42	0.00338	15.12
Reach 2	478284	2 - Year	2697	739.92	752.45		752.64	0.00177	3.64
Reach 2	478284	5 - Year	20959	739.92	761.82		762.2	0.001599	6.13
Reach 2	478284	10 - Year	34504	739.92	765.51		766.05	0.001753	7.36
Reach 2	478284	50 - Year	81492	739.92	773.97		775.01	0.002503	11.14
Reach 2	478284	100 - Year	99183	739.92	775.46		776.7	0.002828	12.25
Reach 2	478284	500 - Year	140401	739.92	779.15		780.67	0.003126	13.92

Reach 2	477807	2 - Year	2697	740.99	751.83		751.89	0.001292	2.27
Reach 2	477807	5 - Year	20959	740.99	761.48		761.64	0.000755	3.66
Reach 2	477807	10 - Year	34504	740.99	765.14		765.4	0.000883	4.6
Reach 2	477807	50 - Year	81492	740.99	773.41		773.97	0.001511	7.75
Reach 2	477807	100 - Year	99183	740.99	774.82		775.5	0.001753	8.64
Reach 2	477807	500 - Year	140401	740.99	778.54		779.35	0.00184	9.63
Reach 2	477323	2 - Year	2697	739.18	751.24		751.34	0.001029	2.62
Reach 2	477323	5 - Year	20959	739.18	761.12		761.29	0.000762	4.05
Reach 2	477323	10 - Year	34504	739.18	764.72		764.97	0.000945	5.13
Reach 2	477323	50 - Year	81492	739.18	772.84		773.3	0.001265	7.41
Reach 2	477323	100 - Year	99183	739.18	774.18		774.73	0.001427	8.12
Reach 2	477323	500 - Year	140401	739.18	777.94		778.55	0.0014	8.7
Reach 2	476830	2 - Year	2697	744.19	750.64	748.79	750.69	0.001679	2.18
Reach 2	476830	5 - Year	20959	744.19	760.94	751.55	761.01	0.000383	2.57
Reach 2	476830	10 - Year	34504	744.19	764.52	753.02	764.62	0.000458	3.27
Reach 2	476830	50 - Year	81492	744.19	772.64	756.06	772.84	0.000544	4.6
Reach 2	476830	100 - Year	99183	744.19	773.95	756.97	774.2	0.000631	5.12
Reach 2	476830	500 - Year	140401	744.19	777.7	758.93	778.01	0.000667	5.74
Reach 2	476472	2 - Year	2697	742.62	750.31	747.34	750.33	0.000647	1.78
Reach 2	476472	5 - Year	20959	742.62	760.83	750.49	760.89	0.000285	2.43
Reach 2	476472	10 - Year	34504	742.62	764.37	751.7	764.47	0.000383	3.22
Reach 2	476472	50 - Year	81492	742.62	772.48	754.65	772.65	0.000485	4.57
Reach 2	476472	100 - Year	99183	742.62	773.76	755.61	773.98	0.000559	5.06
Reach 2	476472	500 - Year	140401	742.62	777.52	757.6	777.77	0.000579	5.59
Reach 2	476055	2 - Year	2697	742.73	750.13	745.89	750.14	0.000308	1.3
Reach 2	476055	5 - Year	20959	742.73	760.69	749.32	760.75	0.000316	2.75
Reach 2	476055	10 - Year	34504	742.73	764.21	750.55	764.31	0.000356	3.34
Reach 2	476055	50 - Year	81492	742.73	772.22	753.85	772.44	0.000486	4.92
Reach 2	476055	100 - Year	99183	742.73	773.44	754.91	773.72	0.000602	5.64
Reach 2	476055	500 - Year	140401	742.73	777.06	757.18	777.47	0.000739	6.77
Reach 2	475626	2 - Year	2697	742.63	750.02	745.53	750.04	0.000236	1.26
Reach 2	475626	5 - Year	20959	742.63	760.6	749.58	760.65	0.00021	2.33
Reach 2	475626	10 - Year	34504	742.63	764.1	750.78	764.19	0.000267	2.99
Reach 2	475626	50 - Year	81492	742.63	772.04	753.89	772.26	0.000414	4.65
Reach 2	475626	100 - Year	99183	742.63	773.2	754.82	773.5	0.000525	5.37
Reach 2	475626	500 - Year	140401	742.63	776.74	757.12	777.19	0.000686	6.63
Reach 2	475239	2 - Year	2697	741.45	749.97	744.75	749.97	0.000106	0.81
Reach 2	475239	5 - Year	20959	741.45	760.54	747.73	760.58	0.000144	1.9
Reach 2	475239	10 - Year	34504	741.45	764.03	748.91	764.1	0.000197	2.53
Reach 2	475239	50 - Year	81492	741.45	771.95	751.98	772.11	0.00031	3.97
Reach 2	475239	100 - Year	99183	741.45	773.09	752.89	773.3	0.000397	4.62

Reach 2	475239	500 - Year	140401	741.45	776.6	754.86	776.92	0.000533	5.77
Reach 2	474831	2 - Year	2697	740	749.91	743.56	749.92	0.00015	1.19
Reach 2	474831	5 - Year	20959	740	760.43	747.97	760.5	0.000226	2.71
Reach 2	474831	10 - Year	34504	740	763.86	750.09	763.99	0.000303	3.55
Reach 2	474831	50 - Year	81492	740	771.67	753.89	771.94	0.00045	5.35
Reach 2	474831	100 - Year	99183	740	772.73	755.23	773.09	0.000576	6.19
Reach 2	474831	500 - Year	140401	740	776.08	757.9	776.63	0.000776	7.72
Reach 2	474494	2 - Year	2697	739	749.84	743.26	749.87	0.000121	1.4
Reach 2	474494	5 - Year	20959	739	760.23	748.47	760.4	0.000268	3.7
Reach 2	474494	10 - Year	34504	739	763.59	750.77	763.86	0.000352	4.75
Reach 2	474494	50 - Year	81492	739	771.27	756.82	771.75	0.000491	6.89
Reach 2	474494	100 - Year	99183	739	772.2	758.29	772.84	0.000642	8.04
Reach 2	474494	500 - Year	140401	739	775.29	762	776.29	0.000894	10.14
Reach 2	474430	2 - Year	2697	735.63	749.85	739.38	749.86	0.00004	0.99
Reach 2	474430	5 - Year	20959	735.63	760.22	745.24	760.39	0.0002	3.48
Reach 2	474430	10 - Year	34504	735.63	763.51	747.61	763.83	0.000312	4.81
Reach 2	474430	50 - Year	81492	735.63	770.49	754.35	771.65	0.0008	9.11
Reach 2	474430	100 - Year	99183	735.63	771.05	756.21	772.69	0.001111	10.86
Reach 2	474430	500 - Year	140401	735.63	773.57	759.92	776.06	0.001592	13.68
Reach 2	474405		Bridge						
Reach 2	474378	2 - Year	2697	735.63	749.84	739.4	749.85	0.00004	0.99
Reach 2	474378	5 - Year	20959	735.63	760.17	745.27	760.34	0.000206	3.53
Reach 2	474378	10 - Year	34504	735.63	763.42	747.65	763.76	0.000335	4.96
Reach 2	474378	50 - Year	81492	735.63	769.91	754.39	770.75	0.000659	8.16
Reach 2	474378	100 - Year	99183	735.63	770.11	756.19	771.32	0.000948	9.83
Reach 2	474378	500 - Year	140401	735.63	770.96	758.74	773.13	0.001673	13.3
Reach 2	474344	2 - Year	2706	739.98	749.83	742.35	749.85	0.000079	1.26
Reach 2	474344	5 - Year	21026	739.98	760.11	747.49	760.32	0.000291	4.04
Reach 2	474344	10 - Year	34560	739.98	763.39	749.85	763.75	0.000414	5.34
Reach 2	474344	50 - Year	81806	739.98	769.79	756	770.7	0.000829	8.94
Reach 2	474344	100 - Year	99570	739.98	769.92	757.71	771.25	0.001203	10.8
Reach 2	474344	500 - Year	140827	739.98	770.15	762.13	772.89	0.002438	15.46
Reach 2	474144	2 - Year	2706	738.58	749.83	741.34	749.84	0.000027	0.7
Reach 2	474144	5 - Year	21026	738.58	760.16	744.89	760.25	0.000131	2.5
Reach 2	474144	10 - Year	34560	738.58	763.47	746.67	763.63	0.000205	3.46
Reach 2	474144	50 - Year	81806	738.58	770.09	751.19	770.42	0.000348	5.33
Reach 2	474144	100 - Year	99570	738.58	770.36	752.61	770.85	0.000496	6.41
Reach 2	474144	500 - Year	140827	738.58	771.16	755.5	772	0.000853	8.54
Reach 2	473753	2 - Year	2706	738.59	749.82		749.83	0.000025	0.77

Reach 2	473753	5 - Year	21026	738.59	760.12		760.2	0.00012	2.7
Reach 2	473753	10 - Year	34560	738.59	763.39		763.55	0.000206	3.9
Reach 2	473753	50 - Year	81806	738.59	770.02		770.28	0.000301	5.56
Reach 2	473753	100 - Year	99570	738.59	770.27		770.64	0.000424	6.64
Reach 2	473753	500 - Year	140827	738.59	770.99		771.65	0.000739	8.9
Reach 2	473443	2 - Year	2706	734.21	749.81	740.44	749.82	0.000024	0.78
Reach 2	473443	5 - Year	21026	734.21	760.07	744.43	760.16	0.000193	3.3
Reach 2	473443	10 - Year	34560	734.21	763.33	746.06	763.48	0.000315	4.62
Reach 2	473443	50 - Year	81806	734.21	769.99	750.26	770.17	0.00035	5.65
Reach 2	473443	100 - Year	99570	734.21	770.23	751.56	770.48	0.000494	6.76
Reach 2	473443	500 - Year	140827	734.21	770.91	754.3	771.37	0.000866	9.07
Reach 2	472975	2 - Year	2706	737.67	749.8		749.8	0.000039	0.77
Reach 2	472975	5 - Year	21026	737.67	759.97		760.04	0.000238	3.04
Reach 2	472975	10 - Year	34560	737.67	763.18		763.3	0.000332	3.97
Reach 2	472975	50 - Year	81806	737.67	769.74		769.95	0.000498	5.74
Reach 2	472975	100 - Year	99570	737.67	769.87		770.16	0.000721	6.93
Reach 2	472975	500 - Year	140827	737.67	770.23		770.79	0.001353	9.57
Reach 2	472396	2 - Year	2706	734.88	749.78		749.79	0.000024	0.73
Reach 2	472396	5 - Year	21026	734.88	759.93		759.96	0.00008	2.04
Reach 2	472396	10 - Year	34560	734.88	763.14		763.19	0.000102	2.53
Reach 2	472396	50 - Year	81806	734.88	769.68		769.77	0.000167	3.78
Reach 2	472396	100 - Year	99570	734.88	769.78		769.91	0.000243	4.58
Reach 2	472396	500 - Year	140827	734.88	770.04		770.31	0.000483	6.49
Reach 2	471955	2 - Year	2701	734.12	749.78		749.78	0.000009	0.46
Reach 2	471955	5 - Year	20989	734.12	759.91		759.93	0.000044	1.55
Reach 2	471955	10 - Year	34404	734.12	763.12		763.15	0.000059	1.96
Reach 2	471955	50 - Year	81696	734.12	769.63		769.71	0.000122	3.28
Reach 2	471955	100 - Year	99469	734.12	769.7		769.81	0.000179	3.98
Reach 2	471955	500 - Year	140722	734.12	769.89		770.12	0.000349	5.57
Reach 2	471492	2 - Year	2701	727.19	749.77		749.78	0.000007	0.48
Reach 2	471492	5 - Year	20989	727.19	759.9		759.91	0.000032	1.54
Reach 2	471492	10 - Year	34404	727.19	763.1		763.13	0.000046	2
Reach 2	471492	50 - Year	81696	727.19	769.58		769.66	0.000103	3.46
Reach 2	471492	100 - Year	99469	727.19	769.62		769.74	0.000151	4.21
Reach 2	471492	500 - Year	140722	727.19	769.74		769.97	0.000298	5.92
Reach 2	471305	2 - Year	2701	727.34	749.77	733.94	749.78	0.000014	0.71
Reach 2	471305	5 - Year	20989	727.34	759.88	742.91	759.91	0.000044	1.81
Reach 2	471305	10 - Year	34404	727.34	763.08	746.83	763.12	0.000062	2.34
Reach 2	471305	50 - Year	81696	727.34	769.56	751.11	769.64	0.000112	3.62
Reach 2	471305	100 - Year	99469	727.34	769.59	751.99	769.71	0.000166	4.39
Reach 2	471305	500 - Year	140722	727.34	769.68	755.19	769.92	0.000327	6.19

Reach 2	471274		Culvert						

Flow Area	Top Width	Froude # Chl
(sq ft)	(ft)	
321.31	149.56	0.64
1920.78	1110.45	0.54
5242.89	1650.33	0.5
13930.44	2380.91	0.32
16736.5	2472.68	0.33
24559.13	3258.17	0.35
1336.14	284.74	0.14
5079.22	898.41	0.23
8512.33	1262.02	0.24
17385.7	2009.99	0.22
19725.79	2504.89	0.22
23930.99	3302.67	0.27
434.06	128.24	0.45
2555.88	406.52	0.47
5191.55	855.56	0.46
12608.59	1770.78	0.39
15676.67	1794.51	0.35
19991.85	1833.02	0.39
610.15	180.9	0.28
2647.24	379.96	0.42
4666.49	652.69	0.43
10633.29	1373.89	0.37
12459.11	1967.65	0.45
17668.47	2023.33	0.45
716.26	235.93	0.29
2670.51	305.67	0.36
4087.25	368.47	0.4
10813.97	1620.75	0.34
12682.23	2231.72	0.37
18478.22	2339.01	0.39
264.7	69.46	0.71
3401.76	541.09	0.38
6111.61	648.25	0.35
14040.56	1944.32	0.34
16309.4	2594.21	0.37
23487.64	2755.97	0.36
436.05	211.48	0.44

4004.04	507.48	0.29
6548.97	614.64	0.3
13267.38	2003.92	0.33
15682.71	2617.87	0.35
22289.87	3374.3	0.4
443.48	183.3	0.43
3690.34	449.03	0.31
6361.83	599.13	0.31
13193.62	1985.92	0.34
15615.61	2658.82	0.36
22592.92	3379.63	0.4
482.16	172.56	0.41
3688.93	442.44	0.31
6234.14	587.83	0.32
13080.88	2027.34	0.36
15161.29	2714.66	0.39
22880.31	3287.06	0.4
549.17	237.2	0.31
3672.82	420.25	0.31
5962.96	543.71	0.33
11299.28	2053.8	0.46
14457.17	2426.56	0.43
23491.54	3283.05	0.42
820.35	162.36	0.2
2615.13	280.3	0.33
4088.34	337.6	0.38
7109.44	1477.88	0.49
9048.62	1766.26	0.49
16571.74	2886.48	0.5
560.88	145.52	0.33
3234.21	405.61	0.34
5324.91	472.84	0.35
9556.03	1252.9	0.39
11344.41	2552.54	0.42
19694.54	3114.19	0.42
749.94	162.04	0.23
3008.37	403.58	0.33
4995.08	445.52	0.35
9658.15	2327.6	0.39

12067.8	2778.36	0.4
21547.88	3341.12	0.39
1100.18	203.38	0.14
3045.97	351.91	0.29
4570.96	549.14	0.35
8504.93	2648.45	0.44
10514.75	3000.9	0.46
22074.56	3612.57	0.4
784.07	243.35	0.26
2825.42	399.97	0.39
4270.2	923.78	0.47
10045.97	2532.91	0.55
14611.28	2733.75	0.48
26490.34	2846.05	0.37
705.63	305.24	0.42
4209.29	730.55	0.4
8618.92	1366.46	0.37
18561.33	2477.34	0.34
22163.16	2529.63	0.32
32724.54	2869.34	0.29
597.43	197.04	0.43
3624.4	671.21	0.43
8431.18	1213.69	0.36
19490.14	2383.72	0.3
23061.76	2408.41	0.28
32765.84	2470.05	0.26
679.53	243.11	0.37
4185.89	645.93	0.3
8337.72	1241.13	0.3
18571.03	2115.21	0.27
21788.86	2137.1	0.25
30423.6	2181.72	0.24
714.59	195.44	0.31
4108.62	595.29	0.31
7776.77	1080.43	0.3
16970.52	1931.61	0.29
20032.73	1950.16	0.27
28016.36	2003.85	0.25
713.15	189.69	0.26
3370.05	386.1	0.32

6320.01	835.38	0.36
14625.97	1687.09	0.31
17461.71	1835.22	0.3
25302.78	1939.26	0.28
486.46	167.77	0.43
2934.73	418.69	0.42
6688.17	1013.58	0.39
13916.84	1355.28	0.32
16187.69	1432.17	0.31
22396.35	1680.32	0.32
354.23	128.53	0.67
3148.72	436.55	0.37
6216.45	771.86	0.36
11450.33	1018.78	0.35
13144.53	1086.06	0.35
18060.37	1480.16	0.39
1101.32	208.18	0.15
4010.37	438.39	0.24
6842.46	749.54	0.28
11527.71	868.17	0.3
12921.42	915.74	0.31
17700.39	1539.38	0.37
892.78	127.38	0.16
3003.29	364.11	0.33
5166.22	618.03	0.4
9334.5	794.23	0.4
10484.74	1015.06	0.42
15708.64	1513.54	0.44
671.16	148.54	0.26
2930.82	395.53	0.37
5065.1	606.81	0.42
11863.45	1616.4	0.39
14720.32	1722.57	0.36
21587.54	1857.56	0.34
615.41	168.85	0.31
3192.13	403.24	0.36
5697.3	735.35	0.4
12137.4	1246.29	0.35
14419.27	1717.76	0.37
22150.38	2140.48	0.35

990.81	211.43	0.18
4505.36	546.78	0.24
7120.11	702.18	0.28
12879.27	1128.64	0.29
15010.11	1678.29	0.31
22233.27	2022.02	0.32
558.07	230.92	0.45
3646.96	646.21	0.32
7135.81	966.17	0.31
15530.95	1628.56	0.26
18150.76	1733.05	0.26
25369.31	2057.34	0.27
489.13	224.97	0.54
4922.51	941.8	0.28
10635.8	1225.92	0.22
20575.22	1791.74	0.2
23586.85	1911.41	0.19
31482.99	2192.66	0.21
251.42	103.71	1
3132.46	406.88	0.39
5687.82	605.41	0.38
10831.47	1040.65	0.37
12525.65	1487.65	0.39
19308.25	2030.89	0.43
546.35	81.23	0.28
2396.56	326	0.42
4687.24	540.57	0.42
9696.52	1686.17	0.41
11848.64	1871.27	0.38
24291.56	2239.8	0.3
930.59	112.74	0.15
2931.6	544.16	0.3
5052.22	707.46	0.35
9090.12	946.42	0.36
10174.93	1318.95	0.37
20339.99	2092.4	0.31
741.01	133.29	0.22
2993.12	402.72	0.33
5245.19	492.93	0.35

9414.12	791.15	0.36
10577.58	876.34	0.38
16292.89	2219.45	0.42
747.42	123.52	0.22
2732.53	359.12	0.37
4756.06	441.96	0.38
9166.49	960.48	0.39
10416.66	1051.78	0.41
14389.72	1641.58	0.47
1119.12	155.57	0.13
2714.56	255.7	0.32
4001.85	345.43	0.4
7780.42	1239.74	0.46
9855.59	1381.01	0.45
15910.05	1859.63	0.44
588.08	157.35	0.34
4325.19	677.91	0.33
7759.19	863.93	0.32
16590.87	1844.88	0.3
19686.28	2165.39	0.3
28962.92	2283.71	0.28
458.86	101.64	0.41
3830.56	627.35	0.37
7402.81	803.79	0.33
15235.51	1684.65	0.32
18190.04	1870.22	0.32
27113.17	2222.28	0.31
574.51	116.14	0.31
2614.35	413.29	0.43
6153.33	720.85	0.36
12671.73	1460.65	0.34
15349.29	1738.72	0.33
24265.2	2214	0.32
513.88	223.56	0.51
3580.2	366.19	0.27
6074.7	492.16	0.27
11233.95	1306.22	0.31
13680.13	1583.26	0.31
21668.38	1946.39	0.31
844.29	175	0.22

3586.64	326.31	0.25
5733.01	434.65	0.29
9962.12	1247.42	0.34
12305.33	1555.75	0.34
20607.62	1963.99	0.33
600.15	113.08	0.29
3888.1	549.34	0.3
7583.08	711.16	0.27
13541.55	1272.69	0.28
15804.28	1447.05	0.28
24312.8	2032.13	0.29
492.44	80.63	0.33
3574.48	538.65	0.33
7192.38	603.76	0.29
12558.74	1104.89	0.31
14454.03	1240.71	0.32
21333.08	1710.32	0.33
850.97	150.98	0.19
3635.84	355.73	0.27
6412.71	622.34	0.3
11565.38	1088.13	0.35
13231.48	1294.03	0.37
19780.79	1426.48	0.37
881.23	138.01	0.16
3193.74	310.37	0.3
5755.73	648.67	0.35
11028.46	1029.9	0.38
12734.26	1077.76	0.39
18080.43	1208.95	0.4
990.14	152.57	0.15
3408.13	332.03	0.27
6039.96	645.13	0.31
10936.75	1187.93	0.37
12855.87	1401.33	0.39
20569.83	1677.66	0.37
974.45	177.71	0.16
3777.41	355.71	0.26
6510.76	676.15	0.3
11098.49	950.28	0.35
12516.77	1003.18	0.36
17688.68	1227.3	0.39

587.73	120.11	0.31
3734.33	398.22	0.28
6586.65	677.41	0.32
11594.76	1078.5	0.35
13228.92	1155.75	0.36
19304.08	1391.65	0.36
651.99	115.73	0.25
2570.01	470.01	0.4
5769.17	856.41	0.39
12312.05	1246.6	0.35
14246.2	1328.72	0.35
21633.6	1678.56	0.34
948.38	118.82	0.14
2514.51	273.31	0.36
5809.26	713.34	0.36
13459.06	1405.96	0.34
15700.58	1500.97	0.33
24093.24	1807.13	0.31
547.32	253.21	0.3
5015.51	561.87	0.26
8623.52	1152.57	0.32
18379.38	1592.22	0.26
20904.65	1647.21	0.25
30254.95	2034.54	0.25
1004.15	381.31	0.18
5924.64	596.69	0.18
9559.65	701.51	0.19
19341.01	1658.38	0.2
22013.45	1738.61	0.2
31592.33	2014.05	0.2
702.39	109.32	0.22
3160.91	326.48	0.33
5153.77	453.67	0.37
13764.62	1430.67	0.32
16239.26	1493.05	0.31
25118	1880.58	0.29
805.41	188.41	0.23
3045.99	308.07	0.33
4849.76	434.75	0.36
10481.1	1135.93	0.37

12681.67	1158.66	0.35
19826.29	1597.71	0.35
482.6	151.37	0.46
3403.33	364.12	0.32
5344.63	400.81	0.34
12448.32	1263.25	0.33
15176.89	1328.68	0.31
23567.18	1759.92	0.29
532.84	114.1	0.34
4796.53	647.84	0.27
8907.96	895.12	0.25
17568.55	1251.67	0.23
20242.17	1312.03	0.23
28249.45	1547.16	0.24
561.43	116.23	0.32
4020.71	670.93	0.3
8401.15	822.44	0.27
15486.68	1006.69	0.25
17623.69	1057.9	0.25
24122.02	1256.78	0.27
495.94	86.25	0.33
4227.12	600.8	0.3
7962.91	707.59	0.27
14427.71	934.17	0.26
16422.77	989.98	0.26
22529.21	1200.18	0.28
667.64	99.59	0.23
2990.91	507.02	0.34
6686.28	671.88	0.3
13371.08	955.09	0.28
15452.48	997.69	0.28
21632.68	1211.62	0.29
321.04	73.69	0.59
2404	299.14	0.42
5145.91	606.64	0.39
11692.28	895.39	0.33
13690.56	955.54	0.32
19614.64	1167.98	0.32
668.82	96.76	0.23
2492.7	218.08	0.33

4189.99	356.82	0.37
9605.01	775.71	0.35
11376.11	852.49	0.35
19305.41	1654.59	0.35
793.41	110.62	0.19
2873.16	262.61	0.32
4508.11	321.96	0.37
8038.94	585.61	0.42
9231.9	679.25	0.44
13327.38	938.76	0.48
936.88	153.11	0.17
3349.2	285.26	0.27
5095.79	334.96	0.31
8366.13	624.48	0.39
9672.14	783.07	0.41
14361.37	1076.64	0.44
844	212.81	0.24
3753.43	309.66	0.28
5690.69	406.44	0.32
9501.01	630.58	0.37
10701.22	705.7	0.39
14776.38	920.91	0.43
330.44	73.03	0.57
3227.3	374.51	0.36
5641.22	475.21	0.35
10348.51	745.33	0.36
11756.23	814.58	0.37
16191.63	952.82	0.39
559.79	100.1	0.29
3320.12	408.92	0.34
6172.2	561.24	0.33
12009.7	883.26	0.33
13680.68	945.71	0.34
18903.84	1149.67	0.36
711.38	105.61	0.21
2852.92	391.28	0.36
5817.11	586.42	0.36
11900.94	958.33	0.35
13725.31	1013.86	0.35
19236.86	1164.3	0.37

718.22	125.79	0.22
2785.13	342.18	0.36
5743.33	654.76	0.38
12742.67	1041.08	0.35
14729.05	1108.96	0.35
21016.6	1360.03	0.37
481.25	99.61	0.38
2677.67	268.04	0.4
5960.05	739.16	0.4
14345.13	1286.29	0.34
16856.21	1384.75	0.34
24370.61	1538.68	0.33
1309.54	164.86	0.1
4346.98	342.23	0.21
7912.02	774.21	0.25
16439.14	1279.74	0.25
18897.59	1352.15	0.25
26241.34	1518.51	0.27
708.48	176.7	0.28
3262.06	308.12	0.31
5545.02	493.78	0.34
10942.12	862.48	0.35
12526.68	914.64	0.36
17308.75	1146.95	0.4
684.65	122.54	0.23
2740.94	311.4	0.38
4630.31	376.95	0.41
10455.66	899.3	0.39
12068.27	980.79	0.4
17426.29	1222.73	0.42
639.32	150.46	0.29
3562.46	418	0.33
6513.12	600.67	0.33
13334.98	979.38	0.31
15073.71	1052.1	0.32
20510.88	1205.29	0.34
433.84	93.37	0.43
2942.6	368.07	0.4
5854.01	546.19	0.37
12675.51	979.64	0.34
14429.51	1034.99	0.34

19712.66	1214.62	0.36
604.27	119.84	0.29
2658.95	255.79	0.35
4651.81	425.86	0.38
10943.02	943.91	0.35
12633.89	979.12	0.35
17518.83	1104.8	0.37
716.23	125.9	0.23
2838.08	263.83	0.33
4524.07	345.41	0.37
9395.49	912.37	0.4
11023.89	965.07	0.4
15893.54	1123.04	0.42
597.15	113.57	0.29
2915.92	266.6	0.34
4661.98	335.7	0.37
9276.67	849.53	0.41
10681.86	929.57	0.43
15498.58	1166.77	0.45
680.33	166.29	0.29
3465.73	339.53	0.28
5779.13	470.57	0.3
12110.69	944.69	0.3
13663.74	1052.47	0.32
18910.52	1280.92	0.35
957.34	265.58	0.19
5529.52	539.98	0.2
9204.93	753.39	0.21
19348.54	1384.25	0.2
21558.83	1439.43	0.21
28760.59	1716.91	0.23
889.85	120.72	0.16
2616.3	256.15	0.34
4096.45	347.28	0.41
10471.66	1320.1	0.41
12753.71	1414.62	0.41
20462.83	1651.09	0.38
565.19	140.13	0.34
3132.23	338.69	0.35
4954.46	406.08	0.39

12869.59	1964.37	0.38
16987.71	2697.44	0.38
31884.3	2903.52	0.29
879.01	138.16	0.17
3011.57	287.11	0.32
4440.65	343.95	0.39
9574.71	1471.55	0.44
12712.14	2033.46	0.43
27792.02	2526.06	0.3
964.06	174.56	0.18
3469.46	353.88	0.31
5159.58	402.26	0.37
11448.74	1940.73	0.45
16040.24	2023.4	0.38
29704.25	2260.71	0.28
436.11	70.57	0.37
3178.79	551.69	0.45
6034.7	566.61	0.37
11800.02	1124.32	0.31
14380.43	1161.75	0.3
22529.77	1405.11	0.28
482.86	138.22	0.38
3069.81	438.18	0.43
6106.01	575.11	0.37
13006	1204.67	0.31
15820.27	1221.49	0.3
24024.1	1305.57	0.27
760.81	240.37	0.28
3961.99	383.67	0.29
6131.89	418.87	0.3
12002.68	1379.09	0.32
15444.92	1445.13	0.3
25827.47	1590.03	0.26
781.29	202.58	0.26
3428.39	456.57	0.29
6189.2	512.51	0.28
12519.73	1419.07	0.29
16200.62	1471.24	0.27
27131.19	1641.32	0.23
504.96	142.14	0.42

2956.82	398.99	0.36
5556.17	494.89	0.33
12967.47	1309.79	0.29
16492.92	1353.13	0.26
26670.57	1524.2	0.23
448.12	88.48	0.4
2835.09	343.9	0.35
5520.36	482.1	0.33
10665.65	566.12	0.29
12142.28	623.46	0.3
16730.06	741.47	0.31
742.39	122.45	0.22
2693.17	235.5	0.31
4389.64	338.84	0.35
8262.44	459.22	0.35
9429.47	503.95	0.36
13105.38	820.93	0.37
477.87	99.27	0.38
3104.34	316.87	0.33
5227.24	380.51	0.33
9437.26	549.6	0.34
10813.24	578.19	0.34
15992.15	979.94	0.37
1077.06	142.9	0.14
3431.24	262.11	0.24
5126.52	314.46	0.28
8795.52	658.84	0.34
10430.85	688.44	0.35
15586.29	860.62	0.35
713.94	143.42	0.25
2937.55	243.46	0.31
4489.31	312.47	0.36
9112.26	683.37	0.38
10869.15	741.46	0.38
17021.34	1061.99	0.38
673.21	119.27	0.25
3097.03	363.29	0.33
5462.56	463.04	0.34
11208.24	688.68	0.32
12981.21	748.39	0.32
18778.39	910.21	0.32

590.14	101.74	0.28
2280.46	289.41	0.42
4357.63	413.93	0.44
9347.99	571.07	0.39
10803.17	612.05	0.39
15589.51	785.77	0.4
730.39	118.84	0.21
2519.98	222.87	0.37
4039.09	324.04	0.42
7734.12	475.06	0.42
8888.09	535.75	0.44
12815.8	623.94	0.44
883.06	126.29	0.16
2737.34	265.93	0.34
4372.22	319.89	0.39
7790	439.01	0.42
8809.64	460.08	0.43
11937.52	515.01	0.46
830.04	124.07	0.18
2644.66	279.94	0.37
4298.94	325.83	0.41
7801.06	416.66	0.42
8749.29	430.79	0.43
11634.47	522.47	0.47
579.44	145.31	0.35
2977.09	386.88	0.38
5754.73	551.41	0.35
12016.89	693.53	0.29
13617.26	733.7	0.3
18544.39	849.19	0.31
504.55	153.79	0.41
3757.48	580.18	0.35
8091.06	767.34	0.28
16571.81	914.18	0.22
18720.08	990.81	0.23
25503.22	1183.85	0.24
474.84	140.23	0.46
4019.06	572.08	0.3
8585.6	772	0.25
17077.43	900.1	0.21

19196.8	966.74	0.21
25614.24	1086.1	0.23
1957.41	159.62	0.06
4134.34	230.95	0.17
5922.48	366	0.22
10424.7	556.51	0.26
11575.29	617.34	0.28
15596.41	830.03	0.33
670.01	160.59	0.29
2759.23	223.66	0.33
4114.74	266.9	0.38
7327.25	705.49	0.44
8826.57	732.19	0.44
13414.4	848.47	0.45
727.4	177.72	0.25
3297.61	287.95	0.3
5076.71	367.69	0.35
10338.51	697.78	0.35
11827.3	739.83	0.36
16742.75	912.98	0.38
882.67	126.53	0.17
2693.7	333.53	0.36
4680.87	402.15	0.4
8632.25	489.93	0.41
9472.1	522.94	0.44
12121.13	689.9	0.53
928.84	142.07	0.16
2852.27	267.54	0.34
4410.22	333.52	0.4
7795.48	675.74	0.47
9093.35	695.94	0.48
12575.95	743.79	0.52
605.41	227.23	0.4
3307.25	341.6	0.34
5249.1	407.79	0.36
9810.79	623.32	0.37
10994.54	643.84	0.38
14243.05	736.43	0.42
491.64	100.64	0.37
3937.65	441.47	0.3

6466.58	482.33	0.3
10922.96	596.83	0.31
12057.08	620.1	0.33
15130.68	693.4	0.37
490.43	93.78	0.36
2505.79	343.5	0.43
4705.85	446.96	0.41
9406.45	722.61	0.4
10834.16	780.05	0.4
14767.68	862.76	0.42
697.73	109.14	0.23
2690.72	354.2	0.37
5033.09	470.56	0.37
10254.85	772.28	0.37
11769.58	868.72	0.38
16297.47	1013.46	0.4
408.9	136.38	0.54
2929.27	368.6	0.4
5783.06	562.62	0.37
12172.45	949.9	0.34
14032.25	1036.1	0.34
19588.67	1234.71	0.36
774.93	122.99	0.21
2870.64	318.28	0.34
5195.84	499.38	0.36
10953.67	915.03	0.36
12748.1	1005.75	0.36
18006.63	1127.64	0.37
837.28	141.38	0.19
2814.72	263.26	0.33
4454.25	349.54	0.39
8759.31	866.3	0.44
10448.62	929.31	0.44
15131.43	1141.94	0.47
989.95	152.44	0.15
2966.61	241.05	0.3
4371.68	295.75	0.37
7908.95	824.07	0.46
9349.69	887.35	0.47
13323.01	1044.9	0.53

923.63	165.91	0.17
3198.24	286.78	0.31
4849.5	349.25	0.37
8395.58	867.41	0.47
9903.59	937.45	0.48
13998.88	1165.67	0.54
878.56	178.45	0.2
3183.27	311.18	0.31
4948.28	376.4	0.35
9144.48	1053.13	0.42
11019.76	1128.18	0.42
15845.06	1248.04	0.45
572.14	141.57	0.34
3577.46	426.13	0.33
6026.62	508.51	0.34
10925.21	1185.01	0.37
13157	1280.2	0.36
18528.39	1318.99	0.37
281.65	69.4	0.71
2790.19	525.73	0.52
6611.45	669.07	0.37
12870.66	1319.12	0.35
15296.32	1384.92	0.35
21234.81	1494.9	0.36
534.06	109.42	0.34
2688.9	263.48	0.37
6342.38	769.99	0.35
13595.27	1156.43	0.31
15705.15	1260.44	0.32
21048.36	1402.77	0.34
427.92	102.47	0.45
2432.18	268.92	0.4
6294.38	930.82	0.35
15674.08	1363.83	0.28
18133.79	1401.87	0.28
23858.34	1472.17	0.3
602.59	89.19	0.25
2002.39	168.93	0.42
3475.41	510.86	0.47
14226.53	1514.46	0.34
17216.32	1572.75	0.33

23792.51	1633.76	0.34
730.18	112.91	0.21
2499.76	214.42	0.35
3886.88	252.12	0.39
12216.71	1646.71	0.38
15883.38	1697.76	0.36
23138.47	1771.38	0.36
736.01	128.1	0.22
2484.01	199.86	0.34
4132.51	457.34	0.38
12619.65	1748.41	0.36
16627.74	1795.14	0.34
24258.62	1861.08	0.34
574.34	140.83	0.34
2833.37	252.15	0.34
4667.41	435.89	0.35
13589.87	1866.74	0.33
18047.58	1948.98	0.31
26399.13	2003.15	0.31
581.56	179.46	0.38
2927.28	242.5	0.3
4928.73	436.53	0.32
14496.36	1964.17	0.3
19126.96	1999.36	0.28
27628.65	2041.34	0.28
635.94	143.38	0.3
3227.21	293.33	0.3
5784.17	503.09	0.3
16706.13	2041.77	0.28
21552.9	2061.4	0.26
30286.51	2109.46	0.27
643.92	137.41	0.28
2568.11	300.26	0.34
5083.9	500.59	0.35
13296.25	1868.5	0.35
18278.05	1949.79	0.32
26842.65	1983.91	0.32
729.71	122.48	0.22
3223.55	273.96	0.31
5082.23	388.24	0.35

10877.45	1107.72	0.39
14768.78	1848.39	0.4
23798.38	1879.7	0.37
1008.07	164.07	0.16
3399.31	268.47	0.25
5109.04	306.23	0.29
10115.67	1074.31	0.34
13342.04	1771.46	0.33
21179.09	1824.42	0.36
998.13	142.99	0.14
3287.94	270.76	0.28
4968.89	315.41	0.32
8455.02	713.49	0.41
9881.35	930.92	0.44
16374.17	1606.06	0.47
844.42	141.46	0.19
2994.46	284.42	0.31
4774.81	321.19	0.34
8043.86	622.09	0.42
8955.61	906.89	0.48
14387.98	1612.26	0.53
833.68	164.03	0.21
3448.7	322.83	0.29
5515.85	379.93	0.31
9303.19	717.91	0.38
10566.03	1601.08	0.44
16706.13	1648.52	0.46
614.04	141.18	0.3
3249.25	340.53	0.35
5591.34	464.48	0.35
10232.69	1038.13	0.41
11673.06	1676.18	0.47
18345.03	1729.59	0.47
615.67	156.72	0.31
3640.51	367.37	0.32
6267.17	583.5	0.34
12484.44	1257.81	0.33
14595.05	1709.03	0.35
20993.92	1834.49	0.4
609.13	125.54	0.28

3368.34	372.09	0.35
6429.05	641.48	0.35
14159.13	1530.76	0.33
16598.74	1880.19	0.34
23855.8	1996.63	0.36
437.14	92.05	0.42
3083.91	415.21	0.41
6588.26	778.01	0.37
16572.03	1664.79	0.29
19181.78	2004.46	0.31
26797.85	2156.94	0.33
591.04	115.48	0.29
2879.18	358.31	0.39
6474.65	733.64	0.36
17997.03	1953.99	0.29
20959.47	1998.66	0.29
28592.49	2179.82	0.32
542.55	149.91	0.36
3408.88	413.03	0.35
7049.34	720.67	0.32
19671.76	2046.68	0.27
22781.19	2089.3	0.27
30791.4	2294.12	0.29
837.55	174.34	0.21
3641.8	410.13	0.28
7755.69	837.42	0.27
22563.71	2247.26	0.23
26010.68	2357.35	0.23
34962.24	2560.08	0.25
709.4	110.95	0.21
2065.93	186.31	0.44
3598.54	359.68	0.49
9866.11	1684.53	0.51
15830.71	1823.3	0.4
23188.03	1966.64	0.4
1069.68	180.75	0.15
2921.67	229.78	0.31
4287.66	254.24	0.35
7705.45	1403.54	0.43
12313.63	1705.89	0.4
17595.64	1795.14	0.45

1071.71	158.76	0.14
2660.8	217.23	0.33
3915.3	249.68	0.39
6897.52	1101.87	0.48
9512.37	1769.84	0.5
16558.09	1889.45	0.51
1222.71	171.37	0.12
2878.64	229.25	0.3
4187.25	261.9	0.36
6653.8	1285.96	0.47
9656.51	1771.58	0.48
16590.56	1877.07	0.49
1282.15	180.71	0.11
2992.52	242.1	0.3
4361.06	276.15	0.35
7316.82	654.25	0.43
10049.97	1772.82	0.47
17007.68	1931.7	0.48
1324.05	190.83	0.11
3015.46	240.48	0.29
4372.24	331.94	0.34
7973.23	810.49	0.41
10522.1	1977.98	0.44
19328.49	2528.63	0.44
1268.58	210.42	0.12
3058.42	276.94	0.31
4656.61	352.09	0.35
9925.59	1500.69	0.4
13003.68	2739.95	0.44
25335.86	3110.29	0.39
1576.85	220.62	0.1
3319.31	284.9	0.3
4906.83	668.01	0.36
19001.94	2696.47	0.3
24470.81	3390.21	0.28
39300.05	3856.26	0.26
625.34	388.33	0.55
3493.11	507.44	0.45
6442.04	885.63	0.4
21707.79	2623.42	0.29

26903.46	3468.16	0.3
42188.05	3768.9	0.24
723.9	258.32	0.41
4966.1	728.88	0.33
9377.83	906.61	0.27
23113.42	2344.62	0.25
27596.36	2575.21	0.24
41971.39	3542.93	0.23
681.18	243.07	0.41
6088.02	661.91	0.23
10205.28	788.72	0.21
21233.13	2086.89	0.22
25236.79	2258.81	0.22
37177.26	3111.42	0.22
962.36	210.36	0.21
3814.1	355.77	0.25
6111.99	462.58	0.27
13901.63	1828.09	0.28
17768.87	2023.35	0.27
28167.15	2791.11	0.26
1435.32	156.63	0.1
3489.36	255.73	0.24
5019.21	327.36	0.29
10224.91	1444.37	0.35
13869.06	1905.71	0.34
25408.2	2551.24	0.29
1278.3	173.42	0.12
3592.47	287.14	0.25
5210.87	334.49	0.29
10236.38	1558.78	0.36
14380.32	2050.67	0.34
26623.87	2630.14	0.29
1487.19	175.03	0.1
3511.55	259.69	0.24
4965.31	333.1	0.3
9148.94	1186.25	0.35
12230.8	2132.69	0.36
23230.88	2654.72	0.32
1100.26	154.34	0.15
2897	272.14	0.32

4443.15	377.4	0.38
8716.08	1392.89	0.42
11855.78	2227.37	0.42
24368.07	2836.93	0.33
290.24	134.75	1.01
3162.1	462.86	0.43
6303	822.41	0.39
15835.08	2467.38	0.32
20927.12	2678.46	0.3
36181.08	3280.6	0.26
740.02	151.84	0.26
4138.19	501.44	0.29
7051.27	594.95	0.29
12487.9	1294.6	0.33
14684.49	1377.59	0.32
19495.33	1591.67	0.39
863.38	123.48	0.19
2841.28	335.26	0.35
4766.24	437.38	0.39
8680.53	1015.39	0.43
10149.42	1253.67	0.45
14772.9	1521.98	0.44
780.06	196.45	0.27
3174.16	300.64	0.31
4580.4	493.48	0.36
7647.17	990.56	0.43
8675.35	1242.85	0.45
12282.53	1949.65	0.49
1044.49	216.02	0.19
3552.85	292.42	0.26
5062.16	514	0.32
8103.17	1078.76	0.39
9094.5	1394.17	0.41
13071.31	2070.32	0.45
1037.23	187.66	0.17
3364.74	297.09	0.28
4929.05	611.19	0.35
8040.79	1202.89	0.42
9077	1456.17	0.45
12885.32	2214.15	0.49

312.89	136.94	0.91
3032	356.1	0.4
4840.44	725.67	0.43
8429.32	1423.72	0.49
9767.87	1783.41	0.5
14255.88	2898.71	0.56
851.87	154.57	0.21
3186.15	280.21	0.29
4515.74	610.57	0.37
7518.01	1680.68	0.46
8799.61	2106.82	0.47
18245.24	3474.43	0.45
2043.99	180.12	0.06
4378.71	303.25	0.18
6035.65	751.32	0.25
9654.87	2020.12	0.34
11772.58	2714.52	0.36
25927.97	3612.12	0.3
1058.52	154.54	0.16
3520.03	547.83	0.3
6155	969.83	0.35
11812.17	1712.07	0.38
14224.12	2157.98	0.39
22737.04	2976.47	0.34
260.45	97.14	1.01
2622.48	414.14	0.5
6190.95	975.7	0.43
13495.89	1794.03	0.37
16497.76	2283.05	0.36
26905.12	3232.15	0.3
733.06	108.97	0.23
2777.64	360.86	0.37
5314.88	698.31	0.39
11859.76	1601.93	0.38
15138.19	1944.46	0.35
24780.18	2828.27	0.3
594.38	88.63	0.28
2381.36	275.52	0.47
4936.84	725.84	0.48
11389.2	1150.79	0.39
13627.58	1444.94	0.38

20689.58	2344.19	0.34
680.48	141.94	0.29
3097.93	365.42	0.35
5493.91	665.71	0.36
11511.88	1126.8	0.33
13644.37	1463.64	0.33
20391.7	2367.09	0.32
1187.75	155.87	0.13
3111.97	305.5	0.3
4999.16	449.3	0.35
8862.69	891.53	0.4
10435.64	1184.49	0.41
16431.48	2230.42	0.41
1147.55	172.32	0.15
3412.75	332.38	0.29
5111.86	399.36	0.34
8524.97	881.42	0.39
10007.3	1243.76	0.42
15783.33	2392.25	0.43
1129.54	227.25	0.15
3795.34	365.02	0.29
5623.71	436.36	0.34
9694.84	975.32	0.39
11245.27	1245.64	0.39
16956.09	2183	0.41
1438.69	212.14	0.1
3788.27	322.18	0.26
5319.56	381.35	0.33
8510.69	842.64	0.42
9921.55	1192.4	0.43
15191.1	2209.7	0.44
998.04	204.71	0.19
2966	313.56	0.36
4409.13	408.41	0.43
7578.26	604.89	0.49
8800.76	1019.49	0.5
13856.87	2081.14	0.49
1303.14	252.41	0.14
3471.03	346.98	0.3
4961.08	412.24	0.36

8193.31	590.9	0.41
9387.45	969.86	0.42
14808.53	2091.23	0.41
1212	220.73	0.15
3325.52	428.32	0.35
5110.44	510.17	0.4
9159.22	758.13	0.44
10815.14	975.82	0.44
18156.11	2229.34	0.39
892.8	267.44	0.26
3374.87	488.86	0.38
5360.63	547.43	0.39
9554.04	720.78	0.39
11185.24	915.63	0.4
18166.21	2622.45	0.36
773.94	389.09	0.39
3924.01	522.97	0.36
6072.97	577.1	0.37
10608.01	727.79	0.37
12229.32	840.12	0.37
18690.31	2782.39	0.39
833.94	253.89	0.26
3654.81	485.09	0.37
5694.58	554.8	0.38
10188.44	695.65	0.38
11741.23	736.71	0.38
18063.17	2363.68	0.4
854.96	238.96	0.25
3366.57	618.68	0.42
5907.89	800.82	0.39
10951.66	1530.03	0.36
12668.14	1773.94	0.36
18426.39	3044.83	0.5
699.18	243.93	0.32
2790.59	619.68	0.55
5431.14	824.83	0.44
10672.89	1646.63	0.38
12509.65	2053.58	0.39
26189.64	2965.96	0.36

550.41	178.38	0.44
3542.87	704.85	0.38
6142.16	905.47	0.35
11359	1665.51	0.33
13119.56	2081.1	0.34
26630.21	2958.81	0.33
609.03	153.61	0.35
3606.08	552.89	0.35
5724.63	704.25	0.36
9828.5	1438.34	0.39
11329.94	1744.41	0.4
19058.67	2760.12	0.47
1091.16	193.75	0.14
3547.51	524.11	0.31
5219.93	646.22	0.36
8385.39	1110.84	0.42
9536.96	1370.11	0.44
12602.08	2240.61	0.52
1024.68	264.71	0.17
3659.61	535.29	0.32
5349.92	631.37	0.36
8616.42	1165.69	0.43
9810.56	1412.19	0.45
13518.6	2117.59	0.47
1066.09	260.98	0.16
3234.47	496.27	0.37
4653.9	643.76	0.44
7701.53	1208.35	0.53
8970.77	1377.16	0.54
13582.02	2040.03	0.54
1240.99	288.46	0.13
3014.67	528.48	0.38
4229.35	651.29	0.49
7005.78	1109.95	0.6
8390.31	1356.3	0.61
15335.48	2488.97	0.53
1251.25	280.55	0.14
3321.67	687.02	0.39
4960.22	767.36	0.47
8464.27	1201.77	0.5

9830.26	1408.95	0.52
17082.08	2960.37	0.51
587.92	406.99	0.46
2890.34	859.61	0.58
4404.23	972.46	0.6
7980.7	1409.95	0.57
9445.19	1621.92	0.56
15500.3	2623.09	0.61
477.69	173.94	0.54
3096.56	742.06	0.49
5303.41	1061.59	0.44
9788.86	1443.57	0.39
11259.1	1599.5	0.38
18357.22	2373.22	0.41
693.41	225.65	0.35
2895.04	599.99	0.43
4709.19	822.34	0.41
8082.77	1308.96	0.4
9141.45	1416.08	0.41
12906.7	2216.38	0.46
549.87	290.42	0.57
3523.52	576.79	0.32
5391.04	795.61	0.33
8911.38	1200.49	0.34
10104.3	1416.72	0.36
14579.52	1935.23	0.37
913.04	279.5	0.23
3591.67	797.14	0.29
5417.69	1019.1	0.32
9207.23	1247.76	0.35
10610.64	1356.01	0.35
16862.39	2003.37	0.37
1041.15	288.48	0.19
3565.57	630.88	0.28
5102.92	760.96	0.32
8138.23	1141.56	0.37
9255.62	1263.83	0.38
14429.07	1581.4	0.41
910.52	218.98	0.23
4181.76	764.75	0.3

8006.47	1012.26	0.28
15533.85	1188.78	0.26
17822.24	1226.29	0.26
24195.89	1625.44	0.27
915.36	228.76	0.24
3285.66	378.32	0.33
5251.91	669.26	0.36
10327.86	847.13	0.35
11907.91	872.39	0.36
15849.73	1832.07	0.39
466.63	168.02	0.56
3255.79	454.91	0.37
5249.21	516.54	0.36
8904.76	581.58	0.37
9907.71	602.76	0.39
12242.16	787.7	0.45
650.86	166.02	0.34
3366.06	405.16	0.33
5114.75	449.31	0.35
8366.69	588.66	0.39
9334.71	648.36	0.42
11697.74	901.31	0.49
1246.61	178.08	0.13
3743.43	488.67	0.27
5924.5	597.75	0.31
11188.3	1053.42	0.34
12953.53	1187.15	0.35
17072.09	1420.68	0.39
296.07	77.66	0.75
4762.36	758.89	0.28
8294.78	857.75	0.25
14395.88	1489.7	0.26
16847.73	1821.18	0.28
22720.92	2041.38	0.31
941.59	215.36	0.22
4469.79	710.94	0.23
7912.04	835.35	0.24
13920.79	1049.7	0.26
15947.02	1765.01	0.28
20821.29	2091.9	0.33

903.62	159.42	0.2
3579.98	502.12	0.29
6485.93	785.7	0.3
12829.56	1383.19	0.32
14716.56	1563.58	0.34
18805.7	2673.48	0.42
988.55	180.94	0.19
4313.61	604.82	0.27
8390.31	1135.56	0.27
21894.39	3739.06	0.27
27394.09	4164.72	0.26
35978.46	4533.72	0.29
937.35	250.74	0.21
4595.62	567.91	0.26
8029.07	916.53	0.27
17261.92	3822.91	0.33
23554.16	4786.93	0.3
34419.75	5123.96	0.32
866.09	207.5	0.25
3833.29	425.21	0.28
5953.99	563.44	0.31
14931.39	3675.08	0.35
22654.71	4889.3	0.29
34212.86	5022.46	0.29
619.05	118.08	0.31
3853.87	449.03	0.31
6061.35	556.78	0.32
10109.7	2229.19	0.42
13973.07	3402.1	0.47
20286.6	4137.03	0.48
792.37	156.09	0.25
5009.7	590.94	0.24
8174.98	819.98	0.25
14391.39	3149.75	0.33
17525.65	4064.3	0.38
31269.42	4796.09	0.34
764.86	163.65	0.27
5141.65	642.44	0.24
8600.06	945.88	0.25
16402.22	2830.3	0.32
20893.48	3931.05	0.32

31368.29	4851.39	0.32
1056.92	172.15	0.17
4226.9	595.48	0.25
7618.27	1159.08	0.25
19809.6	3265.45	0.26
24233.02	3374.64	0.24
32566.34	4177	0.27
879	185.72	0.23
3458.34	381.88	0.29
6615.74	1091.24	0.29
15064.41	2281.71	0.32
18230.23	3074.83	0.34
25461.26	3461.9	0.34
1180.87	177.68	0.15
3386.18	310.57	0.28
6500.91	1324.75	0.3
16192.2	2110.24	0.28
18701.95	2968.77	0.32
25421	3275.2	0.33
1165.76	265.29	0.18
4246.81	430.63	0.24
7181.38	1132.47	0.26
15376.49	2747.8	0.32
17685.53	2805.01	0.33
23121.12	2993.24	0.37
626.14	175.91	0.38
3318.5	407.95	0.34
6005.91	912.12	0.34
14649.63	3258.64	0.38
17344.47	3633.11	0.4
24936.19	4041.18	0.4
638.47	140.23	0.33
3538.31	403.94	0.33
6434.1	1070.48	0.34
15970.76	3059.56	0.39
18293.65	3277.97	0.4
24914.19	4429.51	0.44
471.72	85.22	0.4
3791.95	545.07	0.33
8457.25	1676.97	0.28

21398.75	4368.73	0.3
24619.96	4595.73	0.3
32840.09	4973.69	0.31
948.52	142.64	0.18
3205.23	436.94	0.29
6037.31	1254.66	0.32
20326.22	4902.76	0.33
24385.1	5082.9	0.33
34211.05	5328.35	0.32
1317.71	263.25	0.14
5158.8	637.3	0.2
8131.3	1885.25	0.23
26246.04	4458.94	0.22
29717.88	4508.84	0.22
37904.11	4658.87	0.24
929.1	139.78	0.19
3390.16	457.97	0.3
4963.85	1603.79	0.34
22127.85	3994.45	0.28
25152.17	4069.41	0.29
32103.03	4238.3	0.31
753.25	156.05	0.27
3604.62	366.66	0.3
5376.04	515.2	0.34
16174.26	4192.21	0.4
19493.66	4627.69	0.41
28873.35	4986.71	0.39
604.13	95.87	0.3
3203.52	488.22	0.42
5489.55	1178.82	0.41
23112.07	4536.62	0.34
26765.37	4566.71	0.34
35930.56	4626.13	0.32
1002.37	150.22	0.17
3081.05	423.16	0.37
4850.63	1017.67	0.4
20690.65	4037.4	0.34
24188.29	4099.96	0.34
32971.24	4217.06	0.34
1644.04	206.06	0.1

3507.65	322.82	0.28
4904.51	658.05	0.34
15446.85	3718.05	0.39
19376.15	3795.47	0.38
28637.01	3939.45	0.36
1247.18	222	0.15
3127.91	343.71	0.36
4569.16	718.34	0.41
15596.7	3472.61	0.4
19765.75	3560.41	0.38
28819.32	3726.53	0.36
1028.94	375.13	0.27
3720.85	575.98	0.33
5623.03	737.94	0.34
17811.09	3238.44	0.31
21651.94	3360.29	0.3
30042.69	3616.72	0.31
996.48	428.1	0.3
3894.7	628.3	0.32
5798.42	731.81	0.32
17238.77	2946.06	0.3
20764.18	3333.31	0.3
29440.46	3793.7	0.31
383.65	195.65	0.85
3523.42	461.53	0.35
5470.12	517.81	0.35
12922.71	2838	0.38
17026.59	3311.32	0.37
26445.04	4039.46	0.35
788.33	172.1	0.26
3511.79	487.21	0.36
6115.07	778.46	0.36
18219.52	3131.83	0.35
23189.55	3685.77	0.32
33560.62	3982.81	0.3
673.49	191.61	0.34
4139.7	583.44	0.32
7414.63	1166.83	0.32
22677.84	3216.79	0.28
27950.98	3837.65	0.27
38758.31	4117.1	0.26

978.67	228.77	0.22
3672.73	375.26	0.31
6132.63	693.54	0.32
16815.41	2734.56	0.34
21635.93	3461.35	0.32
32212.09	3692.12	0.3
1180.83	192.22	0.15
4072.56	573.85	0.3
7115.09	898.85	0.31
20140.47	3002.76	0.3
25638.39	3821.82	0.29
37461.05	3977.63	0.26
501.82	144.36	0.49
3764.66	567.04	0.38
6611.93	743.65	0.34
18571.92	2749.38	0.32
23802.77	3390.95	0.3
34925.85	3528.31	0.26
1058.59	251.53	0.21
4759.16	602.36	0.26
8341.58	1026.33	0.26
18269.53	2083.16	0.26
22626.56	2830.49	0.26
32327.04	3169.05	0.26
464.25	206.56	0.61
4207.06	430.14	0.29
6603.62	701.16	0.31
15379.61	2007.8	0.33
19738.57	2699.6	0.32
29604.5	2909.14	0.29
1653.77	203.87	0.09
4407.85	369.88	0.22
6426.01	627.68	0.27
12536.79	1327.95	0.34
15455.92	1709.96	0.34
22732.9	2590.39	0.37
1527.14	166.4	0.09
3917.46	443.54	0.26
6363.23	772.26	0.32
11416.11	1146.48	0.41

13621.64	1435.58	0.43
17836.79	1760.53	0.48
1978.31	171.93	0.07
4410.89	474.79	0.22
7200.2	959.75	0.27
12724.44	1220.9	0.35
14993.35	1849.6	0.38
19848.14	2390.92	0.44
1464.59	146.55	0.1
3743.71	453.75	0.28
6297.1	1184.02	0.34
13042.23	1396.34	0.37
16129.67	2164.13	0.39
21636.49	2330.77	0.41
1073.4	169.22	0.16
3302.85	457.86	0.37
5063.45	608.44	0.43
13087.54	1780.02	0.41
15884.91	2464.89	0.44
22534.55	2682.8	0.43
1352.06	171.7	0.11
3507.62	467.65	0.34
5138.81	657.05	0.41
13835.91	1959.58	0.4
16494.32	2951.82	0.45
26895.78	3205.99	0.37
1926.66	263.53	0.08
4209.29	509.2	0.27
5716.37	668.32	0.35
14679.63	2437.2	0.38
17214.24	2729.58	0.4
29590.38	3589.34	0.32
1694.8	303.16	0.11
4016.51	572.92	0.31
5419.48	710.64	0.4
13070.66	2809.78	0.47
17581.7	3106.67	0.41
32393.41	3748.87	0.3
956.73	502.81	0.31
4703.27	927.43	0.37

6318.5	955.06	0.43
12422.98	2161.92	0.51
18220.32	3918.81	0.46
41955.7	4446.02	0.23
331.89	174.82	1
2110.58	586.04	0.84
5928.21	1357.22	0.52
16200.85	1904.57	0.34
22161.78	3318.81	0.32
46464.96	3826.38	0.18
1000.18	501.99	0.28
5053.7	564.15	0.27
7398.1	570.52	0.27
10672.86	579.3	0.35
11707.43	641.39	0.37
31996.79	3727.03	0.29
996.36	377.41	0.27
4713.35	522.54	0.27
6879.39	544.72	0.28
9591.91	571.29	0.39
10544.54	580.33	0.4
17213.23	3358.5	0.51
706.52	349.75	0.54
4804.79	631.5	0.35
7809.95	808.85	0.35
12512.11	1237.57	0.45
14797.41	1801.82	0.44
25961.37	3639.72	0.42
459.09	119.42	0.51
3469.86	545.55	0.41
5988.66	605.12	0.37
9473.28	1050.68	0.5
11305.46	1391.42	0.51
25244.96	3710.56	0.41
496.57	268.94	0.45
2803.89	656.43	0.42
4290.93	1234.43	0.47
18542.68	1995.24	0.33
22354.35	2284.08	0.32

34418.79	3218.93	0.3
890.9	373.76	0.22
3403.34	979.79	0.31
4720.82	1169.68	0.37
22895.58	1826.48	0.23
26191.06	1874.47	0.23
34681.95	2027.7	0.23
1404.48	591.53	0.11
3644.88	1069.86	0.27
4763.18	1187.3	0.35
26165.8	1959.82	0.2
29853.84	2141.88	0.21
40734.37	3156.39	0.23
1684.46	188.34	0.09
3959.18	297.57	0.23
4990.83	386	0.31
7692.41	949	0.5
8724.04	1032.47	0.54
12117.02	1615.08	0.63
1071.59	549.1	0.2
3496.3	833.11	0.3
12088.59	1858.07	0.23
21194.61	2432.15	0.28
23696.35	2470.42	0.29
30042.56	2647.6	0.31
798.21	272.05	0.3
4387.64	993.89	0.32
10120.87	2332.68	0.28
21314.13	2960.32	0.31
24469.64	2981.56	0.31
32065.1	3035	0.31
492.23	333.06	0.54
3616.21	834.7	0.34
6716.56	1591.68	0.35
23328.7	2721.29	0.27
26175.23	2732.31	0.27
33009.07	2760.64	0.28
1002.14	341.79	0.19
4269.34	823.35	0.28
5695.13	899.37	0.35

23129.8	2778.98	0.28
25988.99	2802.22	0.29
32955.65	2881.18	0.3
1275.64	157.04	0.13
3735.19	649.92	0.27
6585.17	1043.13	0.33
15365.58	2382.58	0.4
17998.43	2404.92	0.4
24219.28	2478.68	0.41
518.87	106.53	0.4
4787.09	819.3	0.31
8118.06	1487.71	0.36
17498.47	2382.29	0.38
20104.16	2465.73	0.39
26474.58	2567.85	0.4
632.27	113.64	0.31
4005.95	1101.5	0.39
6046.54	1499.99	0.46
19710.51	2573.37	0.35
22520.27	2645.68	0.36
29411.23	2784.94	0.36
515.9	110.41	0.41
2168.92	1084.49	0.62
6460.47	1577.73	0.48
19676.55	2484.3	0.35
22374.25	2604	0.36
29141.33	2796.88	0.37
531.27	139.44	0.44
4168.17	938.23	0.37
9278.84	1626.79	0.31
21628.33	2265.49	0.26
23990.46	2410.62	0.28
30162.37	2707.6	0.3
757.98	157.41	0.28
5089.54	1006.34	0.31
10686.84	1605.45	0.27
24220.36	3171.63	0.25
27547.83	3380.16	0.26
36184.96	3664.49	0.27
598.19	114.65	0.34

4911.16	962.6	0.34
9969.12	1465.62	0.29
23412.04	3530.82	0.27
27084.19	3638.41	0.27
36279.64	3806.05	0.28
737.13	152.61	0.28
4303.11	742.41	0.34
8111.28	979.12	0.3
19840.19	3425.9	0.32
23460.09	3497.99	0.32
32547.27	3642.24	0.32
721.25	153.97	0.28
3860.79	569.88	0.36
6934.4	716.53	0.33
18697.75	3171.4	0.36
22228.55	3357.7	0.36
31503.75	3586.71	0.34
665.56	151.31	0.32
3770.2	452.81	0.35
6034.33	507.59	0.34
14971.87	2741.09	0.45
18683.87	2950.59	0.43
28005.61	3358.26	0.39
725.84	211.83	0.31
3657.63	384.34	0.35
5633.06	701.14	0.37
14825.16	2516.19	0.46
18617.76	2662.98	0.43
27219.56	3124.72	0.39
774.76	213.69	0.3
3745.73	393.52	0.32
6251.92	886.49	0.33
16658.19	2799.04	0.38
21071.62	2904.06	0.35
30460.89	3142.24	0.33
969.66	178.76	0.2
3506.8	351.42	0.32
6016.18	1103.7	0.36
16843.68	2349.71	0.35
20613.89	2466.7	0.34
28498.29	2633.42	0.33

894.06	201.32	0.24
3623.95	374.57	0.31
6511.97	1283.38	0.35
14432.43	1637.87	0.36
16906.92	1867.99	0.37
22730.03	2187.1	0.39
910.06	230.58	0.25
4058.77	441.29	0.32
7109.75	1191.91	0.36
14377.23	1486.7	0.38
16352.17	1704.21	0.41
21494.4	2189.52	0.46
881.96	222.59	0.26
4192.71	473.26	0.32
7370.36	1250.52	0.37
15625.91	1924.52	0.4
18334.02	2108.23	0.4
24622.4	2365.38	0.41
986.15	236	0.22
4533.99	513.1	0.3
8223.33	1242.87	0.34
16415.64	2161.33	0.39
19586.83	2320.73	0.38
26236.37	2441.2	0.39
950.74	211.45	0.22
4643.12	514.67	0.27
7865.72	1158.08	0.31
15488.88	2230.37	0.38
18804.67	2428.52	0.37
25931.78	2584.6	0.38
1155.74	221.6	0.16
5145.63	657.11	0.27
8789.52	1102.68	0.29
17006.33	2262.38	0.36
20364.62	2409.65	0.36
27296.45	2589.84	0.37
701.75	89.74	0.23
3099.25	492.26	0.48
5908.01	1026.14	0.51
17628.9	2717.73	0.41

22090.32	2860.86	0.38
30650.86	3096.44	0.37
839.43	251.96	0.29
3105.66	381.1	0.41
4760.41	723.82	0.45
15883.17	2947.28	0.42
22422.54	3124.17	0.35
32037.7	3280.35	0.33
1649.28	234.74	0.1
3569.15	339.39	0.3
5371.96	723.08	0.36
18074.18	2862.89	0.36
24705.37	3054.02	0.31
34250.37	3277.36	0.3
1091.03	223.39	0.19
2791.49	330.66	0.42
4001.52	430.62	0.48
19071.21	2891.35	0.35
25966.5	3104.41	0.3
35649.98	3327.12	0.29
1051.61	292.83	0.23
3179.71	409.87	0.39
6050.75	1507.98	0.39
22701.38	2865.23	0.25
29509.43	3100.61	0.22
39124.69	3320.6	0.22
366.97	246.19	1.03
3984.13	589.25	0.37
6614.54	865.43	0.34
22936.38	2842.02	0.25
30193.25	3161.62	0.22
40113.91	3433.5	0.22
604.77	113.45	0.33
4686.96	701.72	0.31
7564.8	761.91	0.29
17621.54	2173.65	0.27
23495.94	2972.21	0.3
33397.62	3244.49	0.28
758.9	141.57	0.26
4687.66	796.52	0.3

8082.47	838.03	0.27
17401.29	2042.94	0.26
22121.65	2903.86	0.31
32099.97	3080.18	0.28
595.88	93.14	0.31
4090.69	756.99	0.38
7884.27	843.68	0.3
17913.8	1901.19	0.27
21065.92	2768.38	0.36
31501.85	2966.23	0.31
1020.85	260.95	0.2
4198.4	451.02	0.3
6654.49	652.66	0.32
14848.82	1921.8	0.33
18475.95	2227.49	0.34
27821.41	3032.74	0.37
1163.32	167.22	0.15
3523.49	347.73	0.3
5193.39	496.26	0.35
10346.18	1037.26	0.42
12669.09	1878.24	0.45
22799.29	2977.39	0.42
1190.56	194.93	0.15
3722.88	366.68	0.29
5453.02	490.09	0.34
9928.24	907.54	0.42
11790.98	1795.98	0.46
17228.21	2748	0.53
867.62	252.93	0.28
3822.49	393.68	0.31
5533.39	493.11	0.35
10410.44	1570.53	0.42
12391.22	2218.76	0.46
17581.63	2664.59	0.54
807.43	199.12	0.28
3860.95	537.9	0.34
6215.18	613.8	0.34
13722.46	1995.78	0.38
16220.3	2501.61	0.43
22101.77	2697.51	0.46

563.46	178	0.46
3524.08	447.44	0.38
5598.75	631.23	0.4
13867.55	2146.53	0.41
15775.48	2495.48	0.47
22231.1	2705.55	0.48
777.03	161.59	0.27
3461.78	472.55	0.37
5472.28	519.59	0.38
14116.62	2355.85	0.45
16940.08	2489.11	0.45
23518.01	2733.79	0.45
667.42	173.17	0.34
2943.05	465.04	0.46
5012.53	507.7	0.45
14035.03	2313.47	0.48
17147.12	2480.05	0.47
23841.08	2732.17	0.48
1069.23	194.27	0.18
3754	477.13	0.34
6065.68	669.42	0.36
18374.75	2436.47	0.35
21365.48	2537.62	0.36
27907.23	2922.39	0.39
920.26	189.68	0.22
3642.58	455.69	0.36
5763.95	544.28	0.37
16452.76	2475.5	0.38
20116.12	3280.3	0.39
28705.43	3511.02	0.39
717.23	234.98	0.37
3181.54	400.4	0.39
5374.51	549.12	0.38
15597.13	2256.29	0.38
18218.48	3052.77	0.4
26656	3453.81	0.39
532.89	189.31	0.52
2743.26	312.29	0.44
4242.79	423.68	0.46
14802.48	2400.01	0.41
17754.16	2552.54	0.41

24774.98	2985.14	0.42
1138.77	213.16	0.17
3311.84	304.51	0.33
4707.13	412.5	0.37
20012.79	3011.45	0.32
23670.09	3028.83	0.32
31323.51	3057.56	0.32
1058.92	212.16	0.19
3163.41	327.97	0.35
5878.63	1198.18	0.36
21664.11	2590.83	0.27
24632.09	2736.44	0.29
31605.38	3147.79	0.32
836.17	238.79	0.29
3344.65	402.6	0.37
5335.7	671.04	0.38
14650.17	1908.76	0.35
17101.44	2700.13	0.36
24090.78	3376.8	0.39
567.26	139.32	0.4
2661.77	394.04	0.51
4586.03	439.73	0.44
13085.99	2216.79	0.42
15831.32	2555.62	0.42
23248.37	3350.52	0.42
706.6	367.49	0.45
6007.88	720.47	0.24
9565.07	760.72	0.21
19947.04	2823.44	0.26
23279.73	3004.65	0.27
30644.17	3111.23	0.29
1043.22	422.1	0.27
7197.61	769.09	0.19
11046.24	808.78	0.18
25154.23	3000.44	0.22
28575.6	3092.42	0.23
36124.73	3240.43	0.25
1608.97	662.85	0.19
8724.12	820.32	0.16
12935.19	902.05	0.16

29518.36	3289.35	0.19
33183.84	3337.44	0.2
41103.72	3436.8	0.22
1438.1	319.98	0.16
5061.71	462.06	0.23
7494.41	555.28	0.24
27798.83	4348.18	0.24
32898.55	4402.72	0.23
43520.64	4621.38	0.23
1442.26	200.12	0.12
3557.39	297.25	0.28
5004.98	357.29	0.32
15851.14	3717.82	0.34
21487.99	4414.97	0.33
34109.29	4854.12	0.31
1118.66	235.17	0.18
3370.95	348.19	0.33
5202.66	460.83	0.35
14213.7	3462.98	0.37
19789.73	3824.32	0.35
30736.95	4549.46	0.34
730.31	152.34	0.29
3160.25	376.58	0.36
5158.38	502.88	0.36
22110.53	4101.08	0.29
28527.51	4738.41	0.27
41123.2	4824.82	0.25
781.4	147.34	0.25
3495.43	392.39	0.35
5581.42	552.11	0.35
22964.3	3966.64	0.29
29208.33	4709.08	0.27
41818.09	4773.82	0.25
669.26	180.83	0.33
4077.78	560.02	0.35
6903.59	611.89	0.32
25548.67	3880.56	0.25
31660.57	4561.98	0.25
44099.54	4686.67	0.24

955.09	347.73	0.26
5028.93	501.67	0.23
7977.71	669.88	0.23
22259.04	3262.76	0.24
27482.09	3909.43	0.24
38720.13	4507.54	0.25
863.95	143.47	0.22
2891.21	324.53	0.37
4717.4	428.49	0.37
17236.75	2677.79	0.31
21849.43	3186.78	0.31
31842.08	3905.27	0.31
506.53	179.88	0.54
4365.75	480.17	0.29
7126.71	631.68	0.27
20451.07	2760.39	0.25
25501.8	3277.26	0.25
35698.27	3910.9	0.25
608.8	113.05	0.33
3460.49	396.42	0.33
5911.65	512.03	0.32
23406.27	3180.26	0.24
29060.87	3352.07	0.23
38486.37	3596.07	0.23
1132.26	174.06	0.16
3739.97	284.44	0.25
5530.89	413.09	0.28
15436.64	2679.53	0.3
20840.16	2846.46	0.28
28733.02	3085.9	0.3
1296.19	165.29	0.13
3735.57	261.76	0.24
5355.97	384.41	0.29
15371.29	2389.36	0.31
20355.05	2843.93	0.3
28161.09	3050.3	0.32
791.33	125.29	0.23
2881.71	265.7	0.37
4382.29	374.4	0.41
16159.33	2642.17	0.35

21885.4	3124.09	0.34
30820.67	3326.25	0.33
910.16	253.51	0.29
4459.64	461.66	0.3
6805.6	522.55	0.31
20886.14	3115.35	0.32
28152.77	3514.2	0.29
38128.8	3673.26	0.28
617.76	91.65	0.29
5050.08	584.28	0.26
8054.73	634.85	0.25
22783.46	2981.04	0.24
29595.52	3069.27	0.22
38042.84	3146.83	0.24
556	119.74	0.38
3698.99	533.48	0.34
6677.36	589.9	0.3
18574.05	3142.04	0.32
27701.53	3251.28	0.25
36916.24	3345.27	0.25
1192.93	146.83	0.14
3468.24	276.35	0.27
5029.7	362.58	0.31
10762.39	1779.49	0.37
18743.09	3120.38	0.32
28937.77	3256.43	0.31
565.77	124.61	0.38
2859.41	319.43	0.4
4638.87	377.78	0.39
9662.55	728.37	0.4
13942.79	1931.29	0.41
24723.04	3406.3	0.4
575.3	116.68	0.36
2923.5	285.8	0.37
4521.04	331.76	0.37
8518.16	523.03	0.4
11381.72	2442.96	0.44
22846.24	3556.77	0.41
664.85	141.48	0.32
2980.12	258.6	0.33

4506.2	324.93	0.35
9416.46	1094.07	0.38
13503.92	2394.62	0.38
26155.61	3988.24	0.36
727.43	125.78	0.26
3591.87	408.81	0.3
6080.49	502.69	0.3
14585.54	1194.81	0.29
19051.02	2842.49	0.3
35336.76	4933.05	0.29
579.11	104.61	0.34
2935.54	315.24	0.39
5077.92	458.95	0.37
11156.45	839.91	0.37
13557.91	1455.66	0.39
27552.82	5102.9	0.37
743.59	146.52	0.27
3746.95	303.94	0.28
5543.27	338.27	0.29
13566.03	1850.43	0.33
18673.43	2650.29	0.31
33440.64	5759.3	0.3
914.46	151.12	0.2
3562.11	286.41	0.27
5262.88	328.46	0.29
9939.87	1203.04	0.38
13950.18	1748.93	0.37
21405.44	3573.5	0.43
1083.86	145.92	0.16
3346.11	241.1	0.27
4745.61	287.11	0.31
10526.51	1315.01	0.37
15190.69	2034.73	0.36
22581.77	3528.67	0.39
930.53	190.54	0.22
3599.92	253.71	0.26
5036.2	307.49	0.28
11090.68	1748.13	0.34
17155.73	2396.54	0.32
26200.02	4015.05	0.34

1005.77	138.98	0.17
3036.66	235.55	0.31
4299.06	272.93	0.35
8331.27	880.35	0.45
10740.84	1687.98	0.48
21078.04	3615.36	0.47
1640.74	184.6	0.09
4332.2	339.19	0.22
6161.46	411.02	0.26
10949.11	1175.93	0.36
13378.92	1944.06	0.4
22651.46	2741.65	0.41
823.91	244.5	0.29
3786.71	305.19	0.3
5321.33	343.38	0.32
9534.66	978.57	0.43
11556.17	1574.55	0.46
17829.02	2553.66	0.53
896.18	177.7	0.23
3115.58	269.33	0.34
4572.81	383.36	0.38
12075.17	1447.98	0.4
15210.8	2197.54	0.4
21758.89	2669.97	0.45
999.85	164.97	0.19
3173.63	328.25	0.35
4954.88	526.65	0.38
11878.87	1647.08	0.41
14811.9	2092.83	0.42
21074.64	2426.05	0.44
1393.6	179.99	0.12
3590.24	315.74	0.29
5115.91	379.72	0.33
12455.05	1666.32	0.38
15033.05	2147.8	0.41
21329.27	2436.98	0.43
1856.26	189.29	0.08
3903.5	289.86	0.23
5320.46	360.67	0.28
11479.99	2272.15	0.39
14908.81	2384.55	0.4

20462.15	2643.34	0.45
1905.87	263.65	0.09
4734.96	389.22	0.21
6438.31	588.16	0.25
14372.48	2565.09	0.32
18804.99	3306.44	0.34
26440.36	3415.1	0.36
1300.91	190.17	0.14
3749.17	390.26	0.3
5420.29	450.13	0.33
12809.63	2422.56	0.41
16064.38	3066.51	0.44
24211.61	3409.06	0.44
1938.86	231.64	0.08
4271.2	355.35	0.23
5873.25	498.49	0.28
13622.41	2796.96	0.36
16766.04	3174.66	0.39
24668.61	3296.39	0.39
1437.35	306.56	0.15
3921.9	384.25	0.28
5489.87	472.51	0.31
12519.23	2814.47	0.41
15957.48	2906.51	0.42
23315.95	3165.45	0.42
950.74	297.33	0.27
3846.26	538.73	0.36
6298.14	762.7	0.35
19443.57	3239.53	0.34
23548.3	3329.05	0.33
31849.77	3460.07	0.33
466.31	183.94	0.62
4560.55	885.49	0.36
9164.85	1263.04	0.27
26260.84	3421.69	0.22
30521.72	3454.18	0.22
38933.55	3522.32	0.22
490.97	120.96	0.46
3283.67	594.12	0.37
5005.88	878.24	0.37

24891.94	3323.02	0.25
29184.91	3363.25	0.25
37441.28	3426.03	0.25
843.11	151.11	0.24
3063.85	473.43	0.33
4687.92	996.48	0.35
23479.09	3129.51	0.25
27593.6	3153.94	0.24
35299.44	3202.44	0.25
743.68	137.33	0.26
2737.44	411.46	0.39
4337.43	788.35	0.41
8635.8	1498.3	0.55
11977.8	2007.59	0.53
20071.21	2573.05	0.49
631.06	164.44	0.38
2679.28	438.6	0.41
3937.42	760.08	0.44
12622.86	1789.61	0.45
16703.65	2205.86	0.44
25718.34	2465.8	0.39
934.58	295.89	0.29
5699.02	728.23	0.24
8792.47	1091.7	0.24
18345.45	1640.84	0.3
21959.51	1757.58	0.3
29009.51	1987.69	0.3
613.27	115.2	0.33
2835.58	437.94	0.42
4860.28	997.97	0.43
13575.65	1246.23	0.4
16496.61	1468.96	0.4
22635.47	1695.11	0.39
706.29	128.68	0.28
3076.59	583.5	0.36
4442.65	741.4	0.41
12619.28	1132.69	0.4
15300.15	1292.17	0.4
20534.59	1428.19	0.4
546.08	104.16	0.38

2182.7	335.86	0.54
3138.69	586.2	0.59
9843.38	967.88	0.52
12516.25	1213.2	0.51
18094.19	1491.65	0.49
706.04	145.94	0.3
2533.59	355.97	0.45
3637.65	487.57	0.48
11062.43	962.48	0.41
13637.2	1052.05	0.39
18612.25	1460.9	0.42
500.27	177.27	0.54
2371.4	359.36	0.5
3386.87	467.15	0.52
10617.19	1566.55	0.46
16060.82	1730.4	0.39
23843.39	1849.08	0.36
822.79	161.82	0.25
2946.55	409.93	0.42
5136.11	615.19	0.43
11691.8	1013.33	0.42
14698.35	1621.18	0.44
23313.91	2013.37	0.4
954.57	169.51	0.21
3608.43	457.44	0.36
5615.63	547.76	0.36
11203.95	800.76	0.38
13423.26	1233.17	0.42
19993.68	1662.01	0.41
783.32	285.1	0.36
4004.72	485.98	0.32
6017.97	624.53	0.33
12688.42	944.86	0.34
15373.5	1439.91	0.36
23281.37	1812.33	0.34
749.51	270.05	0.38
3918.21	393.51	0.29
5608.98	430.93	0.31
10114.18	894.6	0.36
12982.59	1342.09	0.36
20036.93	1587.74	0.35

1138.77	249.36	0.19
3645.23	395.7	0.3
5001.92	461.03	0.34
10300.18	743.25	0.39
12922.88	1292.31	0.4
19868.8	1569.51	0.39
1225.46	245.82	0.17
3672.32	394.33	0.3
5268.71	464.82	0.34
9615.01	781.24	0.42
12076.99	1143.54	0.42
19148.83	1627.39	0.41
1085.15	256.35	0.21
3561.86	337.56	0.32
4971.76	402.95	0.36
9058	795.84	0.45
11127.98	982.31	0.46
18754.34	1673.2	0.42
708.15	243.92	0.34
3836.14	481.12	0.4
6028.37	617.76	0.41
12706.4	1065.61	0.43
15520.98	1317.69	0.41
24089.52	1885.43	0.4
884.48	283.23	0.28
4752.74	660.45	0.34
7827.34	824.55	0.34
15388.2	1136.97	0.35
18363.61	1448.38	0.34
27613.18	1912.22	0.34
487.75	161.83	0.53
4760.52	653.02	0.35
7999.84	892.44	0.34
16017.75	1197.37	0.35
19146.61	1526.98	0.34
29002.55	2012.58	0.33
449.99	97.73	0.49
3532.53	550	0.45

6455.4	964.99	0.44
16157.38	1302.99	0.36
19611.15	1650.77	0.34
30028.97	2080.8	0.32
639.03	214.41	0.3
4303.58	568.55	0.32
7324.5	870.98	0.31
16003.68	1159.1	0.27
19540.43	1495.61	0.26
28705.41	1910.12	0.26
710.83	152.68	0.31
3036.2	425.34	0.4
5695.03	844.71	0.38
15525.32	1205.13	0.3
18910.83	1562.16	0.28
29006.22	2007.01	0.27
1320.44	139.53	0.12
3109.28	391.74	0.33
5332.15	629	0.36
15482.29	1207.4	0.31
18995.06	1529.46	0.3
28848.54	1998.06	0.29
2905.42	189.34	0.04
4696.31	244.84	0.17
5810.73	310.3	0.23
10898.84	773.73	0.31
12820.29	1166.78	0.34
20668.07	1553.49	0.35
1177.24	260.06	0.17
3593.69	332.15	0.33
4990.14	359.3	0.36
9092.59	1068.5	0.42
12028.12	1221.5	0.43
19232.44	1368.03	0.4
1214.76	279.03	0.19
3675.28	370.64	0.35
5234.41	398.39	0.38
11313.63	1010.88	0.42
14182.26	1073.15	0.41
20461.69	1170.28	0.38

1106.77	243.25	0.2
3166.37	384.18	0.43
4974.41	525.56	0.45
11791.14	1148.94	0.45
15421.35	1243.35	0.41
22917.08	1319.91	0.36
1100.84	251.73	0.19
3184.82	405.81	0.43
5116.12	545.7	0.44
12049.12	1168.37	0.44
15830.38	1316.59	0.4
24029.61	1449.42	0.35
1294.72	427.18	0.21
4838.27	741.9	0.31
8035.86	943.75	0.29
21586.41	1905.69	0.25
27499.86	1987.79	0.22
39500.3	2074.12	0.2
1220.67	324.94	0.19
5039.76	724	0.28
8112.33	1110.47	0.28
22310.44	1868.26	0.24
28099.79	1950.45	0.22
39812.81	2031.24	0.2
955.7	236.14	0.24
3833.24	632.58	0.38
7385.2	967.05	0.34
18757.5	1367.42	0.28
22951.78	1394.41	0.26
31892.77	1597.73	0.25
342.51	179.81	1
2462.88	492.35	0.65
4918.48	721.52	0.48
16058.43	1101.91	0.32
19481.54	1135.36	0.3
26323.58	1199.96	0.29
518.41	169.48	0.46
2641.35	405.61	0.45
4219.78	616.82	0.47

15886.35	1085.59	0.33
19501	1191.5	0.31
26968.36	1293.59	0.3
1074.95	171.21	0.17
3544.09	327.33	0.3
5530.38	461.38	0.32
13270.26	890.45	0.32
16190.46	950.67	0.32
22161.02	1052.43	0.31
838.24	152.73	0.24
2963.87	278.93	0.37
4444.9	346.01	0.4
10567.38	775.53	0.4
13230.65	845.66	0.38
18535.32	918.88	0.38
794.68	150.46	0.26
2830.39	287.86	0.39
4441.95	379.27	0.41
9725.6	573.19	0.41
11579.74	626.38	0.41
15437.84	792.06	0.43
868.71	172.26	0.24
2889.5	266.99	0.38
4330.59	344.93	0.41
8881.4	527.85	0.43
10577.87	637.87	0.44
14683.08	791.2	0.45
678.84	181.2	0.34
3163.32	323.25	0.41
4868.07	368.43	0.4
9691.35	590.51	0.42
11594.69	677.67	0.42
15803.4	755.39	0.41
673.79	157.06	0.34
3113.88	317.09	0.38
4784.11	352.8	0.38
9552.13	617.75	0.39
11598.07	710.14	0.39
15898.05	766.07	0.39
812.59	193.47	0.27

3587.48	330.54	0.34
5361.07	371.64	0.34
10359.05	664.8	0.39
12550.89	714.8	0.38
16929.71	773.2	0.37
574.22	205.27	0.47
3388.85	346.93	0.36
5650.47	534.87	0.35
13113.1	816.56	0.32
15787.98	888.23	0.32
21339.88	987.7	0.32
553.75	190.85	0.5
3464.25	302.88	0.32
5172.04	374.22	0.33
11335.91	739.41	0.34
13780.08	817.25	0.34
19161.67	988.75	0.35
792.37	188.71	0.29
3808.93	333.17	0.27
5738.43	403.98	0.28
10829.05	548.15	0.31
12617.82	618.52	0.32
16610.86	856.38	0.35
727.13	137.42	0.28
3437.33	303.4	0.31
5117.98	365.21	0.33
9647.23	524.09	0.37
11330.64	593.84	0.38
15088.01	830.54	0.42
789.92	143.71	0.26
3152.36	256	0.32
4683.01	356.94	0.36
9010.86	506.55	0.41
10620.4	613.31	0.42
14342.65	792.94	0.46
631.48	105.2	0.31
2489.01	243.46	0.42
3797.65	318.11	0.46
7738.64	466.72	0.49
9059.83	586.99	0.52
12722.88	750.15	0.54

644.42	110.45	0.3
2528.59	236.51	0.42
3756.31	312.99	0.47
7633.74	542.27	0.53
9390.02	696.76	0.54
14073.98	864.92	0.52
831.61	128.08	0.22
2793.53	255.68	0.36
4117.43	324.49	0.41
8254.53	680.67	0.47
10492.91	873.04	0.49
16515.28	1036.82	0.45
903.71	146.84	0.21
3174.31	275.77	0.32
4486.81	318.29	0.37
8477.81	595.64	0.45
10257.82	637.86	0.45
13855.74	786.92	0.48
940.94	205.75	0.23
3713.97	279.74	0.27
5013.73	310.24	0.31
8849.77	516.7	0.38
10405.81	586.53	0.39
13894.78	728.23	0.42
732.4	164.96	0.3
4323.91	352.92	0.28
5954.5	379.48	0.31
10533.74	581.48	0.36
12339.13	707.06	0.37
16534.75	842.46	0.39
922.42	137.94	0.19
4807.21	497.59	0.26
7096.89	532.64	0.27
13704.8	704.84	0.29
15783.47	741.86	0.29
20031.6	830.52	0.31
773.75	99.71	0.22
4520.99	648.51	0.31
7725.44	676.96	0.27
15082.87	753.27	0.26

17300.7	769.99	0.26
21507.56	800.71	0.27
774.77	102.99	0.22
3370.5	587.81	0.38
6583.85	659.98	0.32
14210.45	809.08	0.28
16672.53	906.75	0.29
21873.5	1014.18	0.3
639.21	102.19	0.3
3009.32	504.84	0.43
6208.45	656.3	0.35
13945.75	815.26	0.3
16406.48	859.71	0.29
21256.22	935.58	0.3
593.21	99.83	0.32
2691.5	295.5	0.46
5106.78	563.56	0.43
11979.04	695.37	0.35
14093.1	751.8	0.35
18404.71	861.26	0.36
973.52	160.55	0.19
2876.8	219.27	0.35
4027.92	447.79	0.41
9183.33	555.07	0.42
10788.33	618.53	0.43
14325.57	789.78	0.46
1281.27	194.99	0.14
3409.61	241.91	0.29
4696.96	402.73	0.34
9601.23	567.89	0.37
11282.28	698.05	0.39
15338.04	880.82	0.41
958.09	181.17	0.21
2932.5	247.31	0.35
4229.78	404.24	0.39
9192.79	574.8	0.41
10879.39	692.51	0.42
14919.95	876.31	0.44
911.38	167.24	0.22
2817.02	250.61	0.37

4132.84	366.34	0.4
8784.1	545.87	0.42
10375.3	655.78	0.43
13989.29	844.57	0.46
1087.04	269.27	0.21
4096.8	375.61	0.27
5923.78	436.3	0.29
11014.72	561.23	0.31
12635.7	669.27	0.32
16270.85	873.93	0.35
761.19	246.94	0.35
3802.05	357.09	0.31
5472.06	393.55	0.32
10163.08	787.57	0.36
12511.01	820.48	0.36
16701.41	855.97	0.36
820.09	153.09	0.25
2826.55	304.27	0.4
4209.76	338.29	0.42
8234.38	549.02	0.46
9794.68	678.96	0.48
13466.73	800.23	0.49
825.59	145.05	0.24
2695.16	299.9	0.43
4059.15	336.66	0.45
7951.45	524.04	0.49
9426.05	655.14	0.51
12878.71	741.48	0.52
1554.23	176.08	0.1
3553.82	294.46	0.28
4880.56	338.69	0.33
8883.75	561.81	0.4
10402.87	699.15	0.42
14045.15	790.54	0.44
741.23	272.8	0.38
3261.44	342.91	0.39
4783.25	370.35	0.39
9162.23	602.96	0.41
10814.92	710.88	0.42
14518.89	808.51	0.44

965.33	397.93	0.34
4563.83	433.98	0.32
6512.97	456.57	0.33
11681.92	613.59	0.35
13277.49	658.31	0.37
16568.92	734.06	0.4
904.14	359.43	0.35
4254.85	396.39	0.33
6051.84	430.63	0.34
10866.73	552.33	0.37
12232.62	581.87	0.39
15071.63	686.62	0.43
697.24	313.81	0.41
3975.42	399.68	0.37
5784.72	431.17	0.38
10516.38	544.16	0.41
11839.12	584.36	0.43
14625.89	736.15	0.49
656.69	187.51	0.36
3383.02	372.54	0.44
5141.56	435.64	0.45
10451.4	675.03	0.46
12185.69	761.32	0.47
15877.21	910.39	0.5
751.51	161.68	0.28
3517.56	394.34	0.42
5346.56	429.1	0.42
10209.44	572.52	0.44
11550.06	651.06	0.47
14408.88	749.17	0.52
691.03	174.36	0.33
3315.77	362.29	0.43
5034.97	406.93	0.43
9877.07	626.68	0.45
11348.83	703.22	0.47
14271.96	758.57	0.51
647.41	259.75	0.44
3288.44	328.65	0.41
4911.02	392.03	0.41
10010.97	777.63	0.44
11825.13	815.96	0.45

15164.86	832.37	0.47
607.02	197.66	0.43
2995.04	314.34	0.42
4553.55	368.92	0.42
9321.4	723.69	0.46
10927.99	805.78	0.48
14275.16	902.74	0.51
661.46	197.74	0.38
3532.99	345.38	0.35
5257.57	399.36	0.36
10744.34	897.07	0.41
12796.37	963.29	0.42
16692.03	996.06	0.44
603.88	135.93	0.37
3283.75	348.91	0.39
5027.3	397.57	0.39
9689.2	812.18	0.47
11557.41	919.66	0.49
15257.25	945.07	0.51
685.33	168.6	0.32
3630.88	364.55	0.36
5526.4	437.71	0.37
10811.37	890.18	0.45
12792.91	907.99	0.45
16383.97	936.05	0.48
714.78	161.86	0.31
3349.74	351.21	0.37
5149.44	422.97	0.38
11294.21	960.39	0.42
13457.31	1029.71	0.43
17695.5	1122.89	0.45
817.03	161.17	0.26
3286.15	344.92	0.34
5126.9	424.72	0.35
11887.43	1070.14	0.38
14422.99	1193.48	0.38
19345.99	1332.29	0.41
727.72	145.39	0.29
2682.84	260.38	0.41
4016.06	343.16	0.44

10716.87	1144.77	0.44
13609.33	1323.34	0.44
19195.55	1362.36	0.44
1401.11	192.36	0.12
3690.66	286.9	0.26
5059.55	357.61	0.3
11127.98	1127.93	0.36
13726.42	1242.22	0.38
18619.8	1258.54	0.4
1202.28	186.21	0.15
3305.34	255.94	0.3
4500.52	300.25	0.34
8659.54	939.66	0.44
10480.26	1125.86	0.47
14789.78	1203.64	0.5
1284.35	182.67	0.14
3159.66	221.59	0.3
4179.6	305.27	0.35
8211.18	872.54	0.45
10350.81	1294.82	0.48
15598.88	1382.45	0.49
1396.04	202.62	0.13
3422.67	253.87	0.28
4555.19	291.64	0.33
8834.16	1254.56	0.42
11354.2	1378.14	0.44
16680.13	1394.14	0.45
1298.22	202.28	0.14
3464.21	306.55	0.29
4956.14	411.85	0.33
9979.63	1415.12	0.42
12757.49	1454.18	0.43
18570.36	1565.95	0.44
1015.34	238.22	0.22
4289.82	435.91	0.29
6155.02	455.89	0.31
12021.06	1336.24	0.36
14732.43	1522.42	0.38
20393.44	1618.74	0.42
542.75	227.61	0.62

3960.29	497.08	0.37
6206.92	535.99	0.35
12715.79	1072.76	0.39
14775.45	1154.35	0.4
19207.99	1358.8	0.43
991.6	281.08	0.29
4816.56	425.03	0.26
6774.04	477.48	0.28
11995.77	941.07	0.37
13546	1092.26	0.4
17533.51	1268.75	0.44
1023.6	164.98	0.19
3260.86	296.34	0.32
4631.27	414.49	0.37
10215.68	1160.26	0.45
12222.17	1226.54	0.47
16863.8	1330.78	0.48
1054.9	184.09	0.18
3522.8	321.03	0.31
4922.14	401.24	0.35
11179.08	1214.12	0.43
13273.83	1243.2	0.44
17891.96	1313.94	0.45
797.75	153.6	0.26
2981.68	373.38	0.39
4744.68	521.06	0.41
12289.64	1281.75	0.42
14555.15	1300.24	0.42
19419.31	1334.17	0.42
1035.84	153.71	0.18
3269.23	363.63	0.35
4905.07	457.67	0.38
12504.08	1343.89	0.42
15011.59	1369.87	0.41
20333.99	1416.74	0.41
1094.73	199.77	0.18
3398.22	336.62	0.33
4756.75	390.02	0.38
11344.81	1357.57	0.43
13940.36	1383.62	0.43
19460.12	1421.2	0.42

876.12	262.24	0.29
3532.43	357.92	0.33
5003.68	456.55	0.36
11737.83	1350.34	0.4
14353.51	1371.99	0.4
19892.35	1415.73	0.39
566.04	254.03	0.56
3517.33	403.09	0.34
5170.5	536.93	0.36
12571.05	1351.21	0.38
15243.3	1430.33	0.38
21145.42	1473.17	0.36
615.15	142.52	0.37
3715.66	483.88	0.36
5702.29	621.29	0.37
13918.07	1367.04	0.39
16676.25	1412.97	0.38
22644.34	1473.74	0.37
638.36	120.21	0.32
2332.38	458.55	0.49
4222.27	507.23	0.48
11904.67	1228.54	0.44
14467.65	1351.66	0.44
20642.88	1431.11	0.41
667.52	108.82	0.29
1815.61	262.68	0.61
3220.71	483.32	0.64
11526.5	1132.94	0.46
13952.2	1222.26	0.46
19741.2	1336.8	0.43
1374.97	164.08	0.11
3072.47	450.79	0.35
4828.73	531.94	0.4
12695.35	1049.74	0.4
14835.83	1076.49	0.4
19435.24	1294.36	0.44
1944.34	201.13	0.08
3951.93	410.96	0.25
5640.47	520.92	0.3
11979.78	890.51	0.35

13641.74	980.35	0.38
17448.52	1187.6	0.43
2110.14	204.28	0.07
4172.97	359.85	0.23
5646.59	508.7	0.3
11157.4	934.08	0.38
12782.13	1024.17	0.41
16689.26	1174.97	0.45
1062.51	212.34	0.2
3147.75	416.36	0.42
4693.85	513.98	0.47
10832.66	1010.87	0.48
12685.46	1125.39	0.5
17248.84	1358.36	0.52
610.3	252.41	0.48
3468.71	456.14	0.48
5103.3	544.37	0.5
11716.19	1019.95	0.49
13761.37	1278.42	0.5
19040.44	1498.07	0.52
582.32	218.02	0.43
3463.41	480.04	0.46
5185.44	524.82	0.46
11718.58	1156.81	0.46
13795.6	1262.9	0.47
18724.65	1451.9	0.5
873.12	231.15	0.31
3549.72	452.93	0.44
5151.11	500.31	0.46
12186.25	1286.24	0.45
13970.43	1380.02	0.5
19697.47	1410.55	0.47
822.27	235.28	0.35
3491.67	431.36	0.46
5046.55	480.03	0.47
11235.08	1354.97	0.54
13959.9	1372.85	0.51
19965.38	1413.34	0.46
971.5	261.72	0.28
3579.16	427.73	0.44

5124.72	474.69	0.46
11727.35	1315.03	0.51
14484.93	1369.56	0.49
20739.62	1425.34	0.44
651.34	247.66	0.53
3139.76	430.87	0.52
4806.31	497.26	0.5
12021.38	1304.08	0.49
14856.76	1375.04	0.47
21270.04	1424.19	0.42
491.72	159.1	0.55
2850.24	405.15	0.51
4524.05	473.04	0.48
11989.2	1264.89	0.44
14783.15	1416.84	0.43
21703.32	1489.72	0.39
676.47	217.63	0.38
3378.95	453.5	0.43
5309.18	508.32	0.41
13111.46	1461.4	0.41
16383.41	1559.97	0.4
24451.26	1710.72	0.37
585.15	195.48	0.46
3326.73	435.31	0.43
5208.27	480.52	0.41
12808.98	1425.16	0.42
16141.02	1584.51	0.41
25002.19	1859.47	0.36
512.55	163.97	0.52
3150.13	424.04	0.46
5074.05	510.16	0.43
12572.95	1554.24	0.46
16847.73	1753.29	0.42
26388.28	1866.39	0.35
687.16	167.63	0.34
3311.39	420.77	0.41
5506.76	571.63	0.39
14994.41	1576.28	0.38
18985.18	1727.69	0.37
28365.65	1852.58	0.33

712.23	187.82	0.34
3789.45	473.55	0.36
6164.99	614.07	0.35
16329.69	1504.98	0.34
20095.59	1600.91	0.33
28778.11	1735.88	0.31
949.46	215.5	0.23
4126.06	454.94	0.31
6574.62	643.34	0.32
16548.15	1433.87	0.32
20164.26	1503.66	0.32
28059.45	1547.93	0.3
821.31	252.35	0.28
4277.37	462.99	0.33
6576.4	585.54	0.33
15233.23	1268.37	0.35
18409.79	1316.15	0.34
25341.13	1349.71	0.32
960.11	193.69	0.22
3691.8	398.25	0.33
5593.9	462.61	0.34
12829.86	1169.54	0.37
15740.93	1191.28	0.37
22070.42	1233.49	0.35
1156.14	217.62	0.18
3596.74	353.32	0.31
5333.94	436.52	0.33
12023.57	1022	0.35
14547.72	1041.07	0.35
20027.49	1080.2	0.35
1276.68	212.12	0.15
3634.08	365.37	0.3
5338.44	415.71	0.32
11696.13	954.85	0.35
14030.82	980.82	0.35
19180.29	1019.64	0.35
1183.73	210.09	0.17
3338.1	335.6	0.33
4959.15	414.27	0.35
11543.31	984.23	0.37
13979.52	1024.64	0.37

19427.93	1073.47	0.37
1184.61	223.34	0.17
3247.87	300.25	0.33
4686.94	408.41	0.35
11336.88	960.03	0.37
13696.43	991.88	0.37
18976.68	1051.23	0.37
1235.33	241.26	0.17
3485.57	336.04	0.31
5084.92	411.55	0.33
12057.67	956.29	0.34
14404.15	988.1	0.34
19597.84	1025.41	0.34
977.4	291.19	0.26
3496.42	359.44	0.33
5234.66	442.18	0.33
12529.52	946.22	0.32
14843.86	969.59	0.33
19917.38	1000.08	0.33
866.16	311.75	0.33
3810.63	419.75	0.32
5801.14	484.59	0.31
12990.89	917.96	0.31
15227.48	938.69	0.31
20136.6	970.06	0.32
335.58	169.96	1
4463.43	523.82	0.28
7033.74	591.82	0.26
14024.98	831.67	0.27
16039.23	849.51	0.28
20462.26	881.64	0.29
1201.13	190.92	0.16
3765.28	372.19	0.27
5799.54	501.28	0.3
11905.14	786.64	0.35
13750.37	799.65	0.36
17822.13	826.07	0.38
750.18	151.72	0.28
2934.75	298.64	0.38
4556.03	464.46	0.41

9879.12	778.87	0.44
11763.55	857.88	0.45
16488.38	909.67	0.44
758.14	187.55	0.3
3551.39	386.28	0.37
5439.5	481.98	0.38
12362.81	986.19	0.39
14724.21	1000.41	0.39
20251.07	1025.84	0.37
773.82	181.47	0.3
3580.42	371.61	0.38
5318.15	448.78	0.4
12168.91	1031.56	0.42
14742.21	1048.42	0.41
20725.45	1084.45	0.38
727.13	235.24	0.42
4037.68	391.14	0.36
5795.95	435.18	0.37
12946.79	1079.82	0.41
15726.18	1137.11	0.4
22637.14	1273.58	0.38
555.98	207.75	0.52
4204.16	437.41	0.36
6217.38	495.75	0.37
15315.95	1253.77	0.36
18543.86	1309.02	0.35
26256.45	1386.59	0.32
623.02	108.14	0.3
4155.11	460.47	0.36
6363.15	554.16	0.36
16008.93	1396.05	0.35
19708.94	1437.13	0.34
28323.36	1513.77	0.3
1030.23	127.39	0.16
3597.79	482.29	0.35
5876.52	572.39	0.36
15781.35	1423.51	0.35
19731.46	1446.71	0.33
28678.88	1572.37	0.3
967.17	125.95	0.18

2932.41	531.77	0.43
5682.43	619.73	0.4
15823.08	1414.37	0.35
19817.81	1441.41	0.33
28863.35	1578.32	0.3
1005.5	168.16	0.2
3261.83	496.75	0.42
6642.95	766.81	0.38
18080.96	1323.55	0.3
21801.93	1356.51	0.29
30307.35	1489.84	0.27
919.76	201.93	0.28
3623.81	450.31	0.43
6652.26	782.03	0.42
17484.84	1220.57	0.32
20942.32	1255.63	0.3
28833.21	1491.76	0.29
1070.34	124.16	0.15
2865.09	326.37	0.41
5014.64	673.63	0.45
16166.09	1410.6	0.34
20493.46	1459	0.31
30359.23	1715.18	0.28
540.63	249.05	0.63
3784.13	497.02	0.45
6491.7	600.7	0.4
17890.02	1261.44	0.32
21856.54	1372.86	0.3
31042.99	1569.37	0.27
598.85	284.19	0.55
5694.93	659.54	0.29
9233.83	743.34	0.25
22320.57	1370.1	0.22
26502.86	1427.82	0.21
36040.45	1631.4	0.21
689.67	191.72	0.43
4060.49	393.44	0.35
6090.99	432.83	0.34
15521.72	1072.25	0.33
18875.9	1099.04	0.3
26224.08	1231.98	0.28

1046.03	199.48	0.17
3838.6	322.38	0.31
5475.03	349.48	0.33
12294.6	899.64	0.38
15304.76	916.44	0.35
21444.38	975.5	0.33
647.22	237.23	0.37
3513.43	338.45	0.37
5256.84	363.69	0.36
12024.18	850.97	0.38
14887.82	868.71	0.35
20710.76	930.79	0.33
451.93	162.41	0.62
3911.01	391.08	0.33
6017.82	434.17	0.31
13693.5	903.52	0.31
16773.35	929.38	0.3
23130.74	1047.53	0.29
650.13	180.41	0.38
4939.84	526.98	0.24
7922.67	614.36	0.23
15928.16	788.02	0.23
18620.67	837.16	0.23
24359.78	938.94	0.24
1012.7	122.03	0.16
4051.19	503.49	0.27
6880.68	554.01	0.26
14044.02	717.31	0.27
16499.56	760.63	0.27
21690.75	841.82	0.27
693.48	118.16	0.28
3184.74	443.93	0.34
5732.59	496.94	0.32
12841.67	713.07	0.3
15326.58	772.58	0.3
21098.31	997.53	0.31
870.14	122.43	0.2
3238.98	380.66	0.32
5590.12	486.58	0.31
12876.03	693.99	0.3

15258.06	721.27	0.29
20137.89	791.05	0.3
702	113.95	0.27
3259.89	371.68	0.35
5408	439.82	0.34
12292.95	672.36	0.32
14617.7	693.29	0.31
19264.3	747.88	0.31
1033.36	142.01	0.17
4047.98	364.52	0.26
6242.27	457.31	0.27
12917.21	651.34	0.29
15151.71	667.62	0.28
19629.83	719.47	0.29
570.17	145.11	0.42
3094.52	294.11	0.36
4879.01	393.99	0.36
11188.82	603.57	0.34
13289.49	622.88	0.33
17439.16	662.35	0.34
623.85	139.63	0.36
3025.87	274.95	0.35
4693.23	342.24	0.36
10332.87	568.89	0.36
12336.28	590.95	0.36
16272.02	628.29	0.36
556.34	126.38	0.4
3104.1	271.15	0.35
4714.01	340.62	0.36
10357.65	553.13	0.36
12315.93	577.19	0.36
16175.79	619.27	0.36
979.65	152.84	0.19
3648.74	260.87	0.26
5254.41	339.71	0.29
10855.93	549.3	0.32
12795.15	577.12	0.32
16640.44	619.12	0.33
708.9	130.12	0.28
3289.26	261.22	0.31

4901.55	348.06	0.33
10289.42	558.41	0.35
12293.51	582.81	0.35
16209.44	629.48	0.36
914.98	154.15	0.21
3539.34	260.18	0.28
5139.23	342.46	0.3
10575.37	575.19	0.33
12659.74	608.97	0.33
16761.86	663.17	0.34
890.72	154.55	0.22
3602.68	274.03	0.28
5260.21	350.31	0.3
10669.72	620.74	0.34
13021.63	729.27	0.34
18618.6	921.92	0.33
830.43	157.31	0.25
3590.68	283.77	0.28
5207.79	332.92	0.3
10580.76	710.01	0.35
13445.35	831.43	0.34
19646.5	1002.39	0.32
1086.83	161.53	0.17
3898.01	266.7	0.24
5385.3	321.86	0.27
10543.15	612.36	0.32
12894.69	705.52	0.32
17892.86	837.71	0.32
799.55	130.91	0.24
3408.38	289.4	0.31
5043.87	349.93	0.33
10035.49	595.64	0.38
12407.02	696.03	0.37
17957.61	1045.65	0.38
823.7	128.26	0.22
3367.38	275.14	0.32
4882.11	331.19	0.35
9588.24	528.86	0.39
11750.42	685.49	0.4
17018.85	942.2	0.4

679.26	98.67	0.26
2862.65	275.47	0.39
4386.93	335.82	0.41
9552.85	591.12	0.43
12050.49	692.87	0.41
17313.34	918.32	0.4
743.2	110.76	0.23
3332.72	341.6	0.36
5259.72	407.57	0.36
11255.7	652.73	0.37
13964.92	781.67	0.36
20009.15	987.21	0.35
743.32	139.4	0.26
3410.01	384.36	0.37
5628.36	444.37	0.35
12035.12	689.26	0.36
14878.98	791.91	0.35
20963.45	989.9	0.34
1381.78	199.86	0.12
4640.92	392.67	0.23
7223.66	540.94	0.25
14636.13	768.45	0.27
17778.51	868.21	0.26
24356.8	1054.59	0.27
1316.33	182.42	0.12
4189.31	327.2	0.26
6204.88	491.84	0.3
12887.8	696.36	0.32
15810.89	776.76	0.31
21716.99	944.92	0.31
1523.19	163.98	0.1
4128.39	306.44	0.24
5805.88	371.52	0.27
11016.83	588.69	0.32
13475.75	680.09	0.32
18511.32	849.3	0.33
777.18	145.05	0.24
2973.06	260.19	0.44
4217.26	294	0.48
7413.05	397.58	0.59
8771.65	493.85	0.62

12318.95	627.62	0.63
1169.23	177.33	0.17
3122.84	248.56	0.42
4233.1	306.86	0.51
7610.04	404.04	0.6
8887.24	445.7	0.62
11747.69	584.7	0.68
1335.73	211.41	0.17
3592.96	311.48	0.4
4924.2	362.93	0.47
8766.83	477.77	0.55
10282.18	523.7	0.56
13564.98	669.58	0.6
882.21	229.55	0.28
3365.4	349.56	0.4
4811.83	401.93	0.43
9255.22	537.48	0.46
10978.05	561.21	0.45
14257.82	633.25	0.47
908.14	234.23	0.26
3513.02	378.62	0.38
5100.77	433.92	0.4
9877.83	560.02	0.42
11721.2	595.96	0.41
15326.38	691.69	0.43
657.12	207.72	0.4
3223.29	381.05	0.43
4812.75	409.71	0.42
9190.8	504.49	0.43
10854.88	556.12	0.43
14344.73	688.53	0.45
474.59	172.13	0.58
2758.94	371.98	0.5
4454.05	406.78	0.46
8912.31	492.94	0.44
10552.2	558.96	0.44
13928.55	701.77	0.47
496.35	171.71	0.56
2958.61	329.1	0.42
4550.04	390.37	0.42

8879.93	485.95	0.43
10513.6	554.93	0.43
13819.25	702.13	0.46
758.92	172.31	0.29
3133.94	302.45	0.36
4631.22	374.69	0.39
8779.59	494.32	0.42
10537.98	622.51	0.43
15214.97	956.26	0.45
765.46	173.55	0.3
3168.24	310.33	0.37
4639.05	411.02	0.4
10563.57	661.71	0.41
12812.1	695.09	0.4
16767.97	751.08	0.42
868.1	167.88	0.23
3121.45	319.24	0.36
4566.49	374.56	0.4
8774.93	590.85	0.44
10930.67	784	0.46
16244.55	966.22	0.43
677.73	159.95	0.33
3109.69	345.58	0.39
4716.08	422.02	0.41
9692.02	614.07	0.42
11803.03	698.69	0.42
16332.96	828.92	0.41
761.52	156.21	0.27
3131.69	314.72	0.38
4633.77	421.41	0.42
9911.93	634.79	0.43
12082.05	730.47	0.42
16972.57	863.52	0.41
663.22	166.39	0.32
3456.65	397.77	0.38
5235.56	474.02	0.4
10935.11	655.61	0.39
13193.81	704.03	0.38
17738.77	800.71	0.38
425.43	108.63	0.56

2499.12	347.81	0.54
4194.23	401.71	0.5
9536.87	607.54	0.46
11776.34	674.29	0.44
16349.22	777.97	0.42
283.3	86.53	0.93
1939.72	284.05	0.65
3524.25	377.84	0.59
8784.41	562.75	0.49
10941.75	621.48	0.47
15216.49	740.82	0.46
686.57	107.82	0.27
2554.98	268.92	0.44
4027.76	333.14	0.44
8847.86	522.73	0.45
10688.97	597.56	0.45
14798.67	761.3	0.45
645.52	112.83	0.31
2833.57	328.79	0.42
4788.99	448.63	0.41
11165.24	655.1	0.37
13524.93	746.46	0.36
19029.4	1035.8	0.37
510.14	140.56	0.48
2885.74	290.64	0.41
4567.5	368.73	0.4
9929.82	580.01	0.39
11997.71	684.7	0.38
17008.88	919.86	0.38
582.45	125.07	0.38
2676.14	270.19	0.41
4283.78	339.47	0.4
9621.36	583.64	0.39
11727.19	666.3	0.38
16817.28	1043.46	0.38
439.29	102.11	0.52
2413.31	233.76	0.47
3683.02	286.99	0.47
7718.19	459.96	0.48
9338.36	557.69	0.48
13758.62	917.04	0.48

576.75	105.76	0.35
2635.75	252.11	0.41
4005.23	287.92	0.42
7670.55	420.79	0.46
9139.38	548.23	0.48
13580.85	868.37	0.48
777.8	139.46	0.25
3005.85	253.99	0.34
4406.05	296.1	0.37
8103.79	395.03	0.42
9517.67	600.55	0.44
14348.96	949.7	0.45
817.37	133.89	0.23
2995.84	251.33	0.34
4363.43	293.15	0.36
8812.32	624.38	0.41
10972.01	728.19	0.42
15967.56	875.58	0.42
1013.01	149.31	0.18
3266.26	252.84	0.3
4628.92	289.86	0.33
9486.73	621.52	0.38
11581.99	682.33	0.39
16281.73	802.59	0.39
897.92	136.92	0.2
3019.11	251.2	0.34
4367.16	291.38	0.37
9075.9	579.46	0.41
11024.93	659.09	0.42
15644.41	745.17	0.41
941.24	137.82	0.19
3093.51	254.47	0.33
4447.09	342.96	0.36
9555.54	586	0.4
11630.06	686.37	0.4
16208.3	734.31	0.39
1018.06	133.74	0.17
3238.85	299.33	0.32
4947.06	398.22	0.34
10949.98	648.96	0.36

13133.32	682.78	0.36
17661.96	726.48	0.35
1052.23	148.96	0.16
4055.56	419.77	0.29
6297.17	464.76	0.3
12302.05	573.25	0.31
14220.09	632.52	0.32
18591.08	739.57	0.33
951.34	153.93	0.2
3385.59	340.03	0.35
5263.46	406.75	0.36
10500.82	528.99	0.37
12241.4	588.69	0.38
16329.96	714.79	0.39
535.88	201.08	0.56
3394.12	325.18	0.39
5219.02	398.15	0.38
10665.7	574.08	0.39
12564.18	601.57	0.38
16622.71	746.51	0.4
453.27	155.66	0.56
3286.95	281.72	0.37
4858.51	366.09	0.4
9854.33	520.87	0.41
11571.42	570.5	0.42
15376.32	700.81	0.43
887.49	164.59	0.23
3846.21	337.08	0.31
5647.75	388.98	0.33
11117.78	573.71	0.36
13015.01	611.23	0.36
17080.22	790.59	0.39
701.43	124.73	0.27
3468.29	335.45	0.34
5229.75	365.13	0.35
10408.19	546.88	0.38
12209.21	576.12	0.38
16068.99	774.57	0.42
600.09	97.6	0.31
2543.45	267.28	0.47

4021.57	332.37	0.48
8707.71	485.89	0.48
10321.08	525.62	0.48
13690.69	639.51	0.5
710.43	105.95	0.25
2365.23	243.56	0.46
3650.34	297.35	0.48
7853.08	469.74	0.51
9481.08	505.91	0.5
12796.16	571.33	0.5
1126.49	124.93	0.14
3339.42	273.87	0.31
4752.39	335.35	0.35
9317.02	534.97	0.4
11209.54	579.6	0.4
15029.88	698.74	0.41
1074.41	134.59	0.15
3093.5	260.35	0.33
4398.17	320.44	0.38
8585.46	485.16	0.43
10254.44	537.22	0.44
13852.08	653.39	0.45
1048.63	154.56	0.17
3181.82	258.89	0.32
4436.96	309.45	0.37
8556.73	454.74	0.41
10074.87	496.5	0.42
13655.77	724.73	0.45
919.27	193.31	0.23
3395.76	305.21	0.33
4879.45	350.8	0.35
9632.74	507.56	0.38
11371.36	556.29	0.38
14966.12	684.58	0.4
889.63	208.22	0.26
3447.84	312.31	0.32
4966.54	359.19	0.34
9808.66	539.13	0.36
11711.71	612.17	0.36
15553.58	688.1	0.37

917.96	206.55	0.24
3440.38	297.86	0.32
4841.1	329.1	0.35
9464.43	516.07	0.37
11273.18	575.76	0.37
15060.67	695.84	0.39
857.48	223.22	0.27
3796	348.09	0.31
5449.09	385.68	0.33
10505.87	545.03	0.35
12434	619.79	0.35
16406.85	721.77	0.36
465.04	150.62	0.57
3059.78	332.73	0.42
4650.43	358.68	0.41
9170.3	518.61	0.42
11045.34	594.52	0.42
14961.67	715.38	0.42
735.6	194.6	0.31
3612.43	321.07	0.33
5157.58	356.91	0.34
9790.49	537.28	0.38
11698.6	582.48	0.38
15417.77	678.12	0.39
578.37	175.68	0.43
3359.99	312.9	0.36
4882.73	356.29	0.37
9637.92	536.83	0.39
11587.61	594.3	0.39
15410.86	690.02	0.4
608.47	145.42	0.37
3112.65	309.93	0.38
4646.6	358.51	0.39
9238.73	550.99	0.42
11312.24	632.23	0.42
15540.58	741.37	0.41
704.62	151.83	0.31
3056.5	297.68	0.36
4578.76	368.09	0.38
9256.44	551.45	0.41
11426	675.8	0.41

16043.53	803.19	0.4
711.19	134.53	0.29
2831.73	269.67	0.38
4246.18	363.04	0.41
8896.17	518.46	0.43
10964.32	699.38	0.44
16040.28	858.54	0.42
883.85	135.38	0.2
3009.37	260.36	0.35
4365.11	360.91	0.4
8982.38	500.47	0.42
10879.42	720.57	0.44
16287.38	879.52	0.41
885.75	130.18	0.2
3025.19	313.1	0.37
4495.13	366.09	0.4
9295.25	548.17	0.42
11390.29	773.6	0.45
17360.96	954.07	0.41
542.03	130.9	0.43
3036.28	350.71	0.42
4776.02	445.14	0.42
11342.38	757.25	0.39
13997.73	989.11	0.4
22461.45	1454.14	0.36
540.93	120.51	0.41
2794.15	387.78	0.46
4942.28	528.18	0.43
13826.25	1037.98	0.35
17654.84	1467.58	0.36
29117.78	1690.42	0.28
453.03	125.72	0.55
3156.78	436.86	0.43
5625.36	578.65	0.39
15310.63	1071.71	0.32
18835	1134.14	0.31
27662.13	1385.75	0.28
657.97	153.55	0.35
3415.9	356.52	0.34
5292.81	461.97	0.35

12951.95	804.35	0.33
15531.6	856.33	0.33
22179.76	1083.43	0.32
646.81	139.22	0.32
3292.2	314.38	0.37
5042.37	459.38	0.4
11617.03	674.62	0.38
13774.06	724.27	0.38
19355.86	922.34	0.37
708.83	108.11	0.26
2699.75	267.14	0.42
3968.69	310.33	0.45
8390.6	535.08	0.49
10134.51	577.23	0.49
14595.14	755.17	0.48
917.52	129.95	0.19
3062.06	285.66	0.35
4403.14	326.49	0.39
8349.06	461.52	0.45
9857.7	509.87	0.45
13388.6	706.84	0.48
840.74	127.07	0.21
3062	290.17	0.37
4422.53	327.28	0.4
8165.43	401.34	0.45
9403.46	462.4	0.48
12412.87	653.83	0.53
930.71	133.9	0.19
3266.86	285.92	0.34
4578.99	320.08	0.38
8241.11	389.7	0.43
9409.02	425.21	0.45
12115.7	607.39	0.52
740.67	130.22	0.26
3155.77	295.93	0.38
4515.81	335.26	0.41
8358.17	399.95	0.44
9547.93	424.34	0.46
12378.02	599.31	0.52
804.17	139.49	0.23

3312.31	305.32	0.37
4654.4	333.55	0.41
8266.9	398.49	0.48
9293.67	442.22	0.52
12030.84	540.72	0.56
1017.25	188.15	0.18
3367.46	296.39	0.34
4670.51	330.34	0.38
8275.22	417.23	0.46
9363.57	475.31	0.5
12093.53	547.44	0.53
1071.8	170.58	0.17
3254.2	292.29	0.33
4555.88	337.14	0.38
8174.95	421.05	0.45
9261.39	457.26	0.48
11991.57	543.27	0.52
1125.89	182.55	0.16
3434.05	294.23	0.32
4721.79	337.81	0.37
8429.3	425.73	0.45
9514.77	465.77	0.48
12222.83	541.9	0.52
1095.65	182.43	0.17
3313.63	283.75	0.33
4532.76	323.84	0.38
8184.49	438.38	0.45
9312.59	477.5	0.48
12105.65	547.36	0.51
1237.47	205.61	0.15
3602.29	306.93	0.3
4947.42	354.13	0.34
9018.91	484.76	0.41
10281.83	525.5	0.43
13501.76	638.04	0.46
990.16	206.17	0.22
3741.82	372.73	0.33
5330.68	406.65	0.35
9928.67	553.03	0.4
11399.44	598.6	0.42
14981.42	706.98	0.44

1164.75	210.04	0.17
3735.45	353.58	0.32
5264.44	412.45	0.36
9875.57	530.58	0.41
11244.11	568.89	0.43
14878.64	811.63	0.47
851.01	194.36	0.26
3359.81	371.3	0.38
5007.05	434.42	0.4
10318.19	665.34	0.42
12110.79	745.98	0.43
16741.39	900.1	0.43
769.75	193.74	0.29
3129.92	336.43	0.41
4597.42	407.73	0.43
10182.15	797.16	0.45
12551.1	912.64	0.45
18843.19	1243.36	0.42
803.57	190.48	0.28
3086.33	337.39	0.4
4602.49	440.75	0.43
12636.3	1148.11	0.4
15996.84	1184.99	0.37
23242.3	1257.09	0.33
780.09	205.66	0.3
3297.27	416.5	0.39
5257.93	534.66	0.39
12448.58	837.98	0.37
14784.08	857.55	0.36
19795.4	909.58	0.35
839.41	202.66	0.27
3177.95	409.44	0.39
5396.98	683.09	0.39
13835.77	864.75	0.32
16250.6	891.97	0.32
21466.85	942.49	0.32
289.46	110.28	1.01
2476.06	370.29	0.61
4510.92	492.14	0.52
11846.29	946.62	0.44

14721.95	971.07	0.41
20672.65	1022.14	0.38
799.57	113.34	0.22
3281.07	408.74	0.4
5516.68	520.67	0.39
13366.75	836.2	0.35
15864.05	864.77	0.35
21152.1	931.22	0.34
507.39	116.47	0.44
2817.91	321.39	0.47
4618.16	445.81	0.45
11240.63	723.12	0.39
13462.22	793.98	0.39
18469.48	880.79	0.38
268.5	87.84	1
2495.29	296.17	0.54
4355.97	436.75	0.5
11214.68	855.35	0.42
13913.53	898.9	0.41
19750.12	1013.79	0.38
960.04	111.51	0.16
3153.72	265.73	0.33
4751.79	407.85	0.37
11302.89	715.26	0.37
13550.59	772.54	0.37
18416.19	860.57	0.36
966.57	118.19	0.17
2970.92	238.6	0.35
4468.52	373.28	0.39
10680.05	650.09	0.39
12675.7	683.65	0.39
16999.35	798.81	0.4
1314.56	131.78	0.11
3296.65	248.07	0.28
4648.49	336.33	0.34
10099.55	611.39	0.38
11934.68	647.82	0.38
15949.66	747.6	0.4
1160.53	149.14	0.14
3345.28	244.33	0.3

4653.4	335.79	0.35
10250.25	617.52	0.38
12101.83	647.66	0.39
16119.05	750.61	0.4
760.03	162.99	0.29
3069.56	264.23	0.38
4451.63	339.45	0.41
9975.34	596.84	0.41
11778.51	635.11	0.42
15723.77	738.33	0.43
540.42	116.75	0.39
2963.63	292.58	0.42
4467.53	355.07	0.43
9958.3	597.82	0.43
11772.44	630.66	0.42
15691.68	711.67	0.43
700.08	138.54	0.29
3033.09	290.62	0.39
4505.76	331.84	0.41
9307.36	554.81	0.44
10971.41	593.12	0.44
14607.63	688.39	0.45
654.57	123.92	0.3
2833.58	271.77	0.41
4164.9	298.22	0.43
8515.69	515.41	0.47
10043.15	558.97	0.48
13449.3	641.78	0.49
867.04	113.31	0.19
2932.23	270.04	0.38
4279.99	312	0.41
8350.86	520.22	0.48
9926.09	550.62	0.48
13265.28	635.55	0.49
1131.88	150.49	0.14
3399.5	271.86	0.31
4719.18	306.68	0.35
8529.25	514.7	0.44
10088.69	561.21	0.45
13463.93	618.75	0.46

989.95	162.43	0.18
3341.78	285.16	0.34
4710.62	319.3	0.37
8705.49	493.2	0.45
10147.86	570.29	0.47
13570.28	624.48	0.47
1096.11	161.8	0.16
3449.52	287.04	0.32
4802.36	318.29	0.36
8833.45	504.34	0.44
10303.37	568.33	0.45
13779.61	634.8	0.46
971.22	180.21	0.2
3544.7	320.59	0.33
5078.42	358.99	0.35
9933.12	670.96	0.41
12015.38	756.23	0.41
16879.09	861.19	0.4
983.25	190.97	0.2
3875.97	348.83	0.31
5538.92	382.37	0.33
10244.2	565.18	0.38
11912.54	599.65	0.39
15884.84	765.29	0.4
832.48	163.43	0.24
3532.1	336.07	0.35
5132.87	368.59	0.36
9569.27	535.72	0.41
11115.07	589.79	0.42
14737.24	670.52	0.43
743.62	178.51	0.29
3438.85	348.35	0.37
5126.96	382.94	0.37
9667.88	523.97	0.4
11211.83	598.49	0.42
14912.64	713.84	0.43
713.67	186.62	0.33
3327.87	339.33	0.38
5007.12	378.25	0.38
9532.15	497.38	0.4
10926.51	588.3	0.43

14686.82	768.09	0.45
310.43	131.82	1
3130.38	330.7	0.41
4808.06	368.61	0.39
9171.37	499.01	0.41
10619.86	580.45	0.43
13981.44	730.96	0.48
605.08	115.33	0.34
3540.68	333.89	0.33
5263.74	380.25	0.34
9938.33	540.59	0.38
11509.98	641.95	0.39
15284.57	789.55	0.43
878.65	119.98	0.2
3703.86	358.04	0.3
5533.81	391.14	0.31
10598.98	716.51	0.36
12633.04	819.26	0.37
17652.02	980.82	0.37
905.81	150.47	0.21
3154.42	254.02	0.32
4460.5	325.1	0.36
8864.35	598.64	0.42
10591.31	759.45	0.43
15066.41	957.97	0.46
1393	168.54	0.12
3622.01	239.51	0.25
4777.71	285.63	0.3
8820.02	576.81	0.38
10327.02	646.87	0.4
14012.88	836.67	0.43
1401.47	170.38	0.12
3685.44	262.06	0.25
4934.97	312.01	0.3
8770.58	526.09	0.39
10077.12	579.1	0.41
13341.37	776.24	0.44
1522.22	179.53	0.11
3978.64	290.41	0.24
5335.97	336.97	0.28

9418.19	524.08	0.35
10701.19	599.17	0.38
14215.22	850.78	0.41
1827.91	196.51	0.08
4293.85	281.44	0.21
5624.43	351.67	0.25
9628.84	558.55	0.34
10946.43	591.62	0.36
13977.14	699.59	0.4
1945.91	197.79	0.08
4391.94	278.67	0.2
5703.7	351.87	0.25
9674.73	535.13	0.34
10935.17	588.64	0.36
13994.48	725.95	0.4
1489	210.28	0.11
4235.22	317.23	0.24
5630.19	363.93	0.28
9599.16	557.23	0.37
10867.46	618.41	0.39
14010.55	730.38	0.43
1281.49	224.34	0.15
3956.56	326.85	0.27
5363.18	384.23	0.31
9423.82	601.74	0.4
10784.88	655.16	0.42
14097.99	773.9	0.45
1310.05	210.87	0.14
3836.63	331.3	0.28
5239.67	376.04	0.32
9165.64	592.43	0.41
10472.7	689.48	0.44
13775.67	835.87	0.47
1436.22	208.23	0.12
3836.05	305.86	0.27
5151.52	377.39	0.31
9090.97	627.36	0.41
10434.83	682.69	0.44
13393.16	888.66	0.49
1668.57	226.4	0.1

4350.79	318.69	0.23
5647.02	371.31	0.28
9976.03	755.92	0.38
11609.83	814.73	0.4
15370.33	944.64	0.43
1462.58	239.57	0.12
4019.48	326.29	0.27
5342.93	401.25	0.32
9461.33	743.03	0.43
11067.5	785.68	0.44
14730.84	893.14	0.46
1513.63	231.77	0.12
3879.44	321.69	0.28
5140.86	398.45	0.33
9126.07	728.77	0.45
10628.67	783.55	0.47
14337.19	883.04	0.48
1396.53	242.92	0.14
3734.09	320.95	0.3
4931.81	397.57	0.35
8902.3	773.49	0.47
10514.19	803.11	0.48
14304.17	877.54	0.48
1229.4	240.19	0.17
3620.01	349.36	0.32
4847.49	414.26	0.37
8784.51	716.72	0.48
10259.27	753.94	0.49
13852.07	825.45	0.49
1091.11	236.59	0.19
3499.44	402.01	0.36
4858.73	474.76	0.41
9105.19	718.27	0.5
10575.02	734.31	0.5
14046.76	771.03	0.5
1087.65	314.46	0.25
3795.33	457.4	0.39
5428.54	596.1	0.44
9722.67	688.46	0.5
11127	703.21	0.51
14469.2	734.39	0.5

862.01	303.65	0.36
3490.25	445.33	0.44
4985.05	589.61	0.48
9393.72	739.67	0.54
10964.41	763.19	0.54
14797.98	842.4	0.52
1288.23	234.16	0.15
3743.07	511	0.35
5383.15	650.4	0.39
10153	795.24	0.45
11882.84	820.01	0.45
16102.06	928.26	0.44
970.28	326.77	0.28
3433.17	449.51	0.38
4952.15	667.61	0.41
10214.17	1049.75	0.43
12714.86	1138.01	0.41
19078.22	1321.09	0.37
327.4	120.19	0.93
3510.24	591.16	0.49
5353.28	643.24	0.46
10081.2	835.23	0.48
12154.87	922.42	0.46
18778.95	1401.33	0.44
405.27	102.76	0.57
2392.68	425.87	0.63
4874.19	748.34	0.53
10687.33	802.31	0.46
12736.85	843.35	0.45
19518.5	1475.3	0.42
750.67	143.51	0.26
2494.64	325.99	0.52
3888.54	548.63	0.57
11905.31	1013.1	0.45
14848.54	1056.69	0.41
22339.13	1687.95	0.38
1457.8	217.42	0.11
3840.88	409.38	0.32
5831.26	796.53	0.38
15406.38	1236.22	0.36

19016.25	1249.14	0.34
27753.71	1904.11	0.32
803.69	197	0.32
3066.49	416.48	0.5
4983.05	707.04	0.5
16790.81	1572.78	0.37
21605.61	1612.62	0.33
33603.45	2471.64	0.28
361.48	193.76	1.07
3105.73	456.18	0.51
5063.82	625.5	0.47
15576.71	1373.11	0.35
19908.38	1400.54	0.31
31834	2991.72	0.26
1081.77	220.2	0.2
4351.1	509.23	0.32
6488.35	592.89	0.32
14469.76	1021	0.32
17792.65	1096.26	0.3
28544.29	2917.27	0.32
1810.4	189.12	0.08
4135.36	432.87	0.26
5881.42	517.73	0.3
11178.73	615.34	0.34
13038.57	727.76	0.36
17726.18	2177.98	0.39
2483.67	217.49	0.05
4619	340.36	0.2
5967.54	404.7	0.25
10308.72	556.28	0.32
11966.76	671.74	0.34
20790.6	2650.24	0.36
1705	227.35	0.1
3720.25	321.54	0.28
4905.65	380.28	0.34
9138.48	650.19	0.4
10815.7	978.93	0.42
20783.82	2465.14	0.39
571.43	261.17	0.54
2924.26	448.74	0.48

4463.66	595.27	0.46
12351.04	893.87	0.34
15086.66	1076.6	0.34
25026.5	2167.81	0.29
610.33	188.94	0.41
2846.41	356.95	0.47
4461.79	447.42	0.45
9688.57	706.56	0.44
11837.73	834.33	0.43
18382.47	1757.76	0.45
285.84	103.43	1
2486.78	326.51	0.53
4122.46	391.91	0.48
9174.06	668.91	0.46
11211.31	738.73	0.45
18299.91	1444.42	0.44
1323.01	159.74	0.12
3951.35	316.06	0.25
5444.8	378.95	0.29
10471.01	807.77	0.38
13044.68	907.79	0.38
19802.69	1110.08	0.35
2751.21	183.98	0.04
5121.78	252.79	0.15
6340.88	327.17	0.2
10115.82	534.47	0.31
11618.46	621.95	0.33
15926.48	878.6	0.37
877.11	146.34	0.21
2902.56	279.13	0.38
4184.83	389.52	0.44
8493.22	551.95	0.48
10165.4	585.09	0.47
14391.62	794.92	0.47
1139.14	155.37	0.14
3379.48	325.4	0.33
4766.93	435.99	0.39
9385.92	647.98	0.45
11437.99	719.66	0.45
16663.49	894.69	0.43

1425.4	190.48	0.12
3913.12	386.96	0.3
5469.04	459.46	0.34
10275.53	671.14	0.41
12425.47	759.96	0.41
17856.81	938.17	0.39
1180.66	169.45	0.15
3733.28	379.94	0.3
5207.92	458.98	0.35
9825.08	671.09	0.41
11933.23	736.19	0.41
17293.67	958.29	0.4
888.17	190.28	0.23
4655.56	535.86	0.3
6623.59	561.35	0.32
11804.76	662.63	0.36
13952.23	769.89	0.37
19502.06	978.23	0.36
610.72	172.51	0.4
3905.33	443.68	0.36
5530.89	496.07	0.38
10270.38	629.43	0.41
12315.08	694.9	0.4
17645.96	926	0.39
974.07	145.29	0.17
3832.93	430.15	0.35
5382.74	491.03	0.39
9971.07	598.15	0.43
11942.74	643.73	0.42
16942.8	905.45	0.42
701.02	178.22	0.34
3268.73	396.47	0.4
4574.74	439.61	0.44
8625.22	594.58	0.49
10762.58	706.79	0.47
16705.85	987.14	0.41
562.29	172.18	0.45
3651.14	434.89	0.39
5051.68	471.93	0.42
9340.21	590.52	0.46
11501.77	666.23	0.44

17251.05	977.54	0.4
581.55	101.21	0.34
3804.75	471.04	0.35
5290.44	518.95	0.39
10246.85	644.72	0.39
12645.06	682.04	0.37
18276.78	890.58	0.34
426.84	92.37	0.52
2733.13	444.39	0.51
4150.86	520.09	0.53
9336.54	627.69	0.44
11976	673.42	0.39
17630.29	869.7	0.36
768.64	105.48	0.23
2100.73	420.05	0.58
3710.07	514.87	0.58
9819.86	659.96	0.42
12791.71	735.77	0.38
19203.08	925.05	0.34
1635.91	192.08	0.1
3084.72	535.48	0.32
6119.3	675.69	0.33
14100.06	892.79	0.3
18303.32	1026.93	0.27
27674.7	1550.32	0.26
996.41	507.91	0.26
3191.04	754.41	0.43
8609.52	881.7	0.26
18946.2	1073.74	0.21
24329.61	1380.99	0.2
37480.4	2021.96	0.18
528.89	319.39	0.46
7578.86	1071.92	0.21
12059.15	1093.39	0.17
24996.62	1357.43	0.15
31654.59	1776.79	0.15
48375.79	2484.51	0.14
766.66	220.62	0.26
8908.22	1180.92	0.18
13917.18	1200.66	0.15

27863.56	1436.05	0.14
34616.05	1843.66	0.14
51683.63	2534.52	0.13
471.02	99.57	0.46
8603.36	1045.85	0.18
13126.51	1080.55	0.16
26071.56	1376.39	0.15
32956.64	1983.37	0.16
50744.52	2525.01	0.14
907.76	234.13	0.23
8424.06	1021.2	0.17
12887.39	1045.9	0.16
25154.14	1186.4	0.15
32066.26	1981.81	0.15
49654.77	2453.56	0.14
929.91	185.19	0.23
4224.92	392.27	0.26
5935.6	429.89	0.27
13485.49	1233.66	0.26
18809.43	1924.19	0.23
40301.28	2690.37	0.18
1230.61	241.09	0.17
4312.37	351.57	0.24
5770.36	355.51	0.26
9917.49	464.69	0.3
12732.35	963.65	0.28
31545.05	2838.42	0.22
1198.01	240.52	0.18
4196.68	351.33	0.24
5633.8	364.49	0.27
10414.57	869.68	0.31
14555.18	1710.29	0.3
27038.54	2312.61	0.25
836.18	177.34	0.26
3501.08	336.91	0.31
4893.51	365.88	0.33
9738.52	732.36	0.36
12950.39	1194.98	0.34
25009.98	2160.41	0.29

643.82	153.29	0.36
3185.25	348.62	0.38
4608.24	374.3	0.39
8900.73	596.51	0.42
11650.46	1262.66	0.41
22153.24	1777.62	0.34
742.67	173.12	0.31
3608.67	353.43	0.32
5054.87	378.62	0.34
9187.94	585.76	0.38
12136.12	1223.51	0.39
21201.63	1539.8	0.33
666.26	116.73	0.3
2895.26	331.41	0.44
4234.37	374.52	0.47
8283.62	504.19	0.49
10227.25	937.41	0.51
17237.92	1491.21	0.51
713.13	125.69	0.28
2949.75	327.39	0.42
4253.15	388.56	0.46
9723.12	655.21	0.45
12110.84	781.95	0.44
17432.57	1354.12	0.47
1163.25	207.17	0.17
3720.66	324.42	0.28
5015.81	366.2	0.32
9461.42	571.8	0.35
11536.2	677.32	0.35
16486.91	1134.98	0.36
710.57	165.3	0.32
3216.74	375.24	0.38
4682.36	395.58	0.38
9113.9	506.82	0.39
10935.61	701.84	0.4
16042.01	1145.22	0.4
1435.46	238.98	0.13
3738.63	267.11	0.28
4739.19	278.44	0.33
7795.85	544.53	0.43

9840.74	681.34	0.45
15524.27	1248.18	0.44
1428.81	238.89	0.13
3700.77	266.67	0.28
4681.34	277.8	0.33
7101.93	547.14	0.45
7465.92	566.7	0.56
9419.64	657.6	0.65
1670.28	239.42	0.1
4441.91	424.16	0.24
6145.31	487.13	0.28
10818.61	582.39	0.33
11802.91	649.38	0.37
14417.48	826.59	0.44
1657.61	209.48	0.1
4263.13	444.22	0.25
5950.66	474.47	0.28
10254.26	585.99	0.35
11192.6	644.23	0.39
13637.06	760.34	0.45
1174.17	239.53	0.19
4292.16	457.21	0.32
6010.23	476.42	0.33
10891.56	696.5	0.39
12008.48	720.64	0.42
14818.71	818.99	0.46
492.42	293.23	0.57
3850.76	441.66	0.37
5529.52	463.53	0.36
10681.99	760.6	0.42
11873.57	786.4	0.44
14950.23	906.98	0.48
893.59	297.49	0.24
4657.94	441.43	0.27
6361.64	477.41	0.29
11762.42	846.41	0.37
13055.08	893	0.4
16663.01	1053.43	0.42

1484.54	471.8	0.18
6626.14	557.69	0.17
8707.35	589.29	0.19
15465.65	1133.08	0.27
17135.74	1246.36	0.29
22519.42	1665.55	0.3
1259.31	427.94	0.17
7018.47	627.2	0.17
9384.71	719.8	0.2
17439.76	1492.44	0.24
19501.86	1585.38	0.26
25899.53	1784.7	0.26
1619.9	639.74	0.2
10156.85	889.37	0.12
13479.64	981.28	0.14
24574.51	1888.19	0.16
27075.93	1924.9	0.17
34462.61	2019.45	0.18
2297.71	749.52	0.14
11020.78	855.72	0.11
14113.04	938.56	0.13
26843.67	2126.64	0.15
29604	2154.04	0.17
37822.7	2240.65	0.17
2824.29	699.2	0.1
11154.4	1001.11	0.12
14717.46	1020.13	0.13
23180.35	1854.09	0.17
24605.22	1915.13	0.19
29104.34	2108	0.21
2924.67	788.87	0.09
11837.78	906.99	0.1
15040.73	930.88	0.12
22891.84	1742.93	0.15
24145.89	1809.3	0.18
28488.29	2261.91	0.2
4120.84	823.39	0.06
13796.54	980.33	0.08
17433.36	1116.13	0.1
27793.99	2193.27	0.13
29558.63	2297.33	0.15

35705.02	2955.72	0.18
3036.45	607.35	0.08
10553.11	843.74	0.11
13743.41	1014.71	0.14
22844.17	2030.86	0.18
24280.53	2133.69	0.2
29719.99	2942.89	0.24
2088.76	333.02	0.09
8224.37	819.95	0.15
11423.88	1034.63	0.18
20849.05	2171.36	0.23
22212.46	2294.02	0.26
27921.22	3184.81	0.31
2832	326.85	0.05
7161.02	456.91	0.13
8683	466.86	0.17
12667.32	1098.79	0.29
13353.27	1266.23	0.34
17048.12	1944.32	0.41
2838.72	328.14	0.05
7199.93	519.14	0.14
9304.03	829.26	0.18
15697.78	2089.6	0.26
15941.42	2113.6	0.31
17008.24	2214.54	0.42
2451.97	351.44	0.07
7059.64	606.33	0.16
9150.29	699.15	0.2
15896.6	2100.82	0.29
16071.33	2161.95	0.35
16394.75	2235.27	0.5
4200.15	497.56	0.04
9881.73	691.11	0.1
12733.26	1411.03	0.13
25913.72	2471.07	0.17
26601.08	2513.51	0.21
28609.77	2518.69	0.27
4742.94	577.07	0.04

11619.64	1031.68	0.11
16105.11	1816.82	0.14
30834.26	2318.26	0.18
31412.38	2320.13	0.21
33084.6	2325.52	0.28
5173.91	561.88	0.04
12300.21	1150.43	0.12
17334.47	1951.4	0.16
30805.1	2099.48	0.17
31303.01	2104.64	0.21
32752.71	2119.74	0.28
4651.76	518.53	0.04
11572.88	1041.52	0.12
16004.15	1496.46	0.15
27016.51	2115.91	0.19
27281.29	2141.23	0.22
28076.39	2217.11	0.31
5686.08	811.45	0.04
20421.14	2063.79	0.08
27250.15	2163.87	0.09
41674.92	2258.42	0.12
41890.91	2261.34	0.14
42495.57	2443.37	0.2
8207.65	986.58	0.02
24535.48	2315.1	0.06
32072.92	2376.57	0.07
48165.34	2787.57	0.1
48361.82	2791.27	0.12
48894.65	2801.26	0.17
9341.02	1014.35	0.02
26998.15	2153.28	0.06
33963.23	2194.1	0.07
49390.52	2579.99	0.11
49510.87	2582.54	0.13
49814.04	2588.93	0.18
6651.99	1054.9	0.03
25105.95	2171.99	0.06
32391.9	2374.05	0.08
48296.17	2535.37	0.11
48390.89	2536.22	0.13
48616.68	2538.24	0.19

Battle Intense at Cibolo Creek

Alternative 1 - 5-year Level of Service Bridge

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)
Reach 2	715923	2 - Year	2091	1249.1	1257.49		1258.14	0.008562	6.51
Reach 2	715923	5 - Year	16247	1249.1	1266.14		1267.45	0.003764	9.48
Reach 2	715923	10 - Year	31320	1249.1	1270.57		1271.69	0.002543	9.88
Reach 2	715923	50 - Year	59811	1249.1	1276		1276.53	0.00114	8.16
Reach 2	715923	100 - Year	70638	1249.1	1277.41		1278.01	0.001204	8.77
Reach 2	715923	500 - Year	108677	1249.1	1280.04		1280.69	0.00126	9.68
Reach 2	715480	2 - Year	2091	1248.17	1257.16		1257.19	0.000371	1.7
Reach 2	715480	5 - Year	16247	1248.17	1265.79		1266.02	0.000629	4.47
Reach 2	715480	10 - Year	31320	1248.17	1270.24		1270.54	0.000608	5.37
Reach 2	715480	50 - Year	59811	1248.17	1275.72		1276.02	0.000509	5.91
Reach 2	715480	100 - Year	70638	1248.17	1277.13		1277.45	0.00051	6.17
Reach 2	715480	500 - Year	108677	1248.17	1279.65		1280.15	0.000712	7.79
Reach 2	714891	2 - Year	2091	1246.48	1256.22		1256.58	0.004095	4.83
Reach 2	714891	5 - Year	16247	1246.48	1264.35		1265.19	0.002511	8.37
Reach 2	714891	10 - Year	31320	1246.48	1268.97		1269.81	0.001934	9.18
Reach 2	714891	50 - Year	59811	1246.48	1274.53		1275.39	0.001657	10.34
Reach 2	714891	100 - Year	70638	1246.48	1276.23		1276.92	0.00132	9.7
Reach 2	714891	500 - Year	108677	1246.48	1278.61		1279.48	0.0016	11.39
Reach 2	714290	2 - Year	2091	1246.31	1254.84		1255.04	0.001675	3.7
Reach 2	714290	5 - Year	16247	1246.31	1263.19		1263.85	0.00204	7.63
Reach 2	714290	10 - Year	31320	1246.31	1267.96		1268.75	0.001872	8.91
Reach 2	714290	50 - Year	59811	1246.31	1273.59		1274.46	0.001766	10.34
Reach 2	714290	100 - Year	70638	1246.31	1274.58		1275.88	0.002545	12.75
Reach 2	714290	500 - Year	108677	1246.31	1277.19		1278.4	0.002463	13.39
Reach 2	713689	2 - Year	2091	1245.6	1253.76		1253.9	0.002118	2.91
Reach 2	713689	5 - Year	16247	1245.6	1262.35		1262.83	0.001389	5.69
Reach 2	713689	10 - Year	31320	1245.6	1266.93		1267.75	0.001585	7.58
Reach 2	713689	50 - Year	59811	1245.6	1272.55		1273.52	0.001497	8.98
Reach 2	713689	100 - Year	70638	1245.6	1273.51		1274.66	0.001724	9.91
Reach 2	713689	500 - Year	108677	1245.6	1276.01		1277.21	0.001871	11.06
Reach 2	713367	2 - Year	2091	1242.2	1251.5	1249.91	1252.43	0.012958	7.77
Reach 2	713367	5 - Year	16247	1242.2	1259.78	1257.61	1261.82	0.007509	12.38
Reach 2	713367	10 - Year	31320	1242.2	1266.83	1261.49	1267.23	0.001238	6.96
Reach 2	713367	50 - Year	59811	1242.2	1272.4	1263.51	1272.98	0.00159	9.42
Reach 2	713367	100 - Year	70638	1242.2	1273.33	1263.51	1274.03	0.001864	10.47
Reach 2	713367	500 - Year	108677	1242.2	1275.98	1266.86	1276.6	0.001711	10.73
Reach 2	713301	2 - Year	2091	1242.17	1251.3	1249.19	1251.61	0.004987	4.49

Reach 2	713301	5 - Year	16247	1242.17	1259.73	1255.37	1261.12	0.004003	9.5
Reach 2	713301	10 - Year	31320	1242.17	1266.76	1259.32	1267.13	0.000876	6.09
Reach 2	713301	50 - Year	59811	1242.17	1272.05	1263.51	1272.8	0.00142	9.15
Reach 2	713301	100 - Year	70638	1242.17	1273.02	1263.51	1273.85	0.001537	9.78
Reach 2	713301	500 - Year	108677	1242.17	1275.31	1265.36	1276.33	0.001948	11.67
Reach 2	713279		Bridge						
Reach 2	713239*	2 - Year	2091	1242.13	1250.9	1248.77	1251.22	0.004601	4.54
Reach 2	713239*	5 - Year	16247	1242.13	1259.17	1255.07	1260.65	0.004132	9.87
Reach 2	713239*	10 - Year	31320	1242.13	1264.6	1259.06	1265.17	0.001385	7.37
Reach 2	713239*	50 - Year	59811	1242.13	1271.81	1263.51	1272.64	0.001455	9.56
Reach 2	713239*	100 - Year	70638	1242.13	1272.81	1263.51	1273.72	0.00159	10.26
Reach 2	713239*	500 - Year	108677	1242.13	1275.18	1265.49	1276.21	0.001899	11.91
Reach 2	713172*	2 - Year	2091	1242.1	1250.63	1248.26	1250.93	0.003661	4.39
Reach 2	713172*	5 - Year	16247	1242.1	1259.24	1254.53	1260.15	0.002536	8.2
Reach 2	713172*	10 - Year	31320	1242.1	1264.45	1257.84	1265.06	0.001374	7.64
Reach 2	713172*	50 - Year	59811	1242.1	1271.61	1262.74	1272.52	0.001504	10.05
Reach 2	713172*	100 - Year	70638	1242.1	1272.49	1263.51	1273.56	0.001747	11.09
Reach 2	713172*	500 - Year	108677	1242.1	1275.06	1265.94	1276.08	0.001812	12.04
Reach 2	712967	2 - Year	2091	1241.98	1250.17		1250.41	0.00171	3.95
Reach 2	712967	5 - Year	16247	1241.98	1259.1		1259.58	0.001232	6.65
Reach 2	712967	10 - Year	31320	1241.98	1264.09		1264.76	0.001252	8.22
Reach 2	712967	50 - Year	59811	1241.98	1270.33		1271.94	0.002169	13.08
Reach 2	712967	100 - Year	70638	1241.98	1271.76		1273.09	0.001902	12.7
Reach 2	712967	500 - Year	108677	1241.98	1274.59		1275.68	0.001735	12.98
Reach 2	712501	2 - Year	2075	1241.72	1249.79		1249.89	0.000683	2.53
Reach 2	712501	5 - Year	16125	1241.72	1258.25		1258.96	0.001386	6.9
Reach 2	712501	10 - Year	31046	1241.72	1262.89		1264.06	0.001643	9.17
Reach 2	712501	50 - Year	59372	1241.72	1268.35	1261.05	1270.8	0.002458	13.37
Reach 2	712501	100 - Year	69820	1241.72	1269.54	1262.52	1272	0.002483	13.89
Reach 2	712501	500 - Year	108422	1241.72	1272.37	1267.96	1274.64	0.002514	15.02
Reach 2	711822	2 - Year	2075	1240.15	1248.85		1249.06	0.00262	3.7
Reach 2	711822	5 - Year	16125	1240.15	1257.27		1257.83	0.001866	6.61
Reach 2	711822	10 - Year	31046	1240.15	1262.01		1262.78	0.001797	8.11
Reach 2	711822	50 - Year	59372	1240.15	1267.76		1268.92	0.00198	10.39
Reach 2	711822	100 - Year	69820	1240.15	1268.64		1270.06	0.002336	11.57
Reach 2	711822	500 - Year	108422	1240.15	1271.54		1272.75	0.002176	12.08
Reach 2	711104	2 - Year	2075	1236.42	1247.72		1247.84	0.001143	2.77
Reach 2	711104	5 - Year	16125	1236.42	1255.91		1256.52	0.001741	6.67
Reach 2	711104	10 - Year	31046	1236.42	1260.58		1261.47	0.001804	8.38
Reach 2	711104	50 - Year	59372	1236.42	1266.2		1267.48	0.001989	10.61

Reach 2	711104	100 - Year	69820	1236.42	1267.15		1268.45	0.002053	11.07
Reach 2	711104	500 - Year	108422	1236.42	1270.23		1271.29	0.001833	11.34
Reach 2	710538	2 - Year	2075	1236.5	1247.47		1247.53	0.0003	1.92
Reach 2	710538	5 - Year	16125	1236.5	1255.21		1255.75	0.001038	6.14
Reach 2	710538	10 - Year	31046	1236.5	1259.57		1260.57	0.001395	8.53
Reach 2	710538	50 - Year	59372	1236.5	1264.44	1256.35	1266.29	0.002027	12.03
Reach 2	710538	100 - Year	69820	1236.5	1265.25	1257.93	1267.2	0.002176	12.75
Reach 2	710538	500 - Year	108422	1236.5	1269.02		1270.3	0.001612	12.1
Reach 2	710011	2 - Year	2233	1240.08	1247.07		1247.21	0.001269	2.99
Reach 2	710011	5 - Year	17349	1240.08	1254.17		1254.93	0.002049	7.45
Reach 2	710011	10 - Year	33700	1240.08	1258.07		1259.46	0.002605	10.25
Reach 2	710011	50 - Year	64229	1240.08	1262.48	1257.39	1264.79	0.003385	13.87
Reach 2	710011	100 - Year	75217	1240.08	1264.24		1265.81	0.002422	12.43
Reach 2	710011	500 - Year	114828	1240.08	1268.47		1269.31	0.001396	10.65
Reach 2	709632	2 - Year	2233	1239.88	1246.25		1246.45	0.00368	3.97
Reach 2	709632	5 - Year	17349	1239.88	1253.56		1254.07	0.002168	7.15
Reach 2	709632	10 - Year	33700	1239.88	1257.89		1258.43	0.001698	8.03
Reach 2	709632	50 - Year	64229	1239.88	1263.01		1263.5	0.001314	8.64
Reach 2	709632	100 - Year	75217	1239.88	1264.45		1264.88	0.001117	8.36
Reach 2	709632	500 - Year	114828	1239.88	1268.39		1268.77	0.000888	8.35
Reach 2	709274	2 - Year	2233	1238.02	1244.89		1245.12	0.003966	4.11
Reach 2	709274	5 - Year	17349	1238.02	1252.56		1253.23	0.002569	7.88
Reach 2	709274	10 - Year	33700	1238.02	1257.34		1257.87	0.001548	7.88
Reach 2	709274	50 - Year	64229	1238.02	1262.7		1263.08	0.000996	7.74
Reach 2	709274	100 - Year	75217	1238.02	1264.19		1264.53	0.000844	7.47
Reach 2	709274	500 - Year	114828	1238.02	1268.17		1268.49	0.000694	7.57
Reach 2	709036	2 - Year	2233	1236.14	1243.99		1244.19	0.004015	3.93
Reach 2	709036	5 - Year	17349	1236.14	1252.3		1252.65	0.001831	5.94
Reach 2	709036	10 - Year	33700	1236.14	1257.08		1257.48	0.001615	6.99
Reach 2	709036	50 - Year	64229	1236.14	1262.51		1262.82	0.001157	7.15
Reach 2	709036	100 - Year	75217	1236.14	1264.03		1264.31	0.000987	6.9
Reach 2	709036	500 - Year	114828	1236.14	1268.02		1268.31	0.000829	7.02
Reach 2	708789	2 - Year	2233	1234.55	1243.19		1243.35	0.002724	3.41
Reach 2	708789	5 - Year	17349	1234.55	1251.77		1252.17	0.001893	6.24
Reach 2	708789	10 - Year	33700	1234.55	1256.63		1257.07	0.001562	7.06
Reach 2	708789	50 - Year	64229	1234.55	1262.1		1262.5	0.001298	7.74
Reach 2	708789	100 - Year	75217	1234.55	1263.68		1264.04	0.0011	7.45
Reach 2	708789	500 - Year	114828	1234.55	1267.72		1268.08	0.000943	7.64
Reach 2	708555	2 - Year	2233	1234.03	1242.67		1242.83	0.001826	3.22
Reach 2	708555	5 - Year	17349	1234.03	1251.16		1251.7	0.001929	6.59

Reach 2	708555	10 - Year	33700	1234.03	1255.8		1256.6	0.002172	8.54
Reach 2	708555	50 - Year	64229	1234.03	1261.54		1262.15	0.001517	8.6
Reach 2	708555	100 - Year	75217	1234.03	1263.16		1263.72	0.001367	8.53
Reach 2	708555	500 - Year	114828	1234.03	1267.3		1267.82	0.001145	8.64
Reach 2	708328	2 - Year	2233	1233.48	1241.78		1242.15	0.00519	5
Reach 2	708328	5 - Year	17349	1233.48	1250.3		1251.09	0.003384	8.44
Reach 2	708328	10 - Year	33700	1233.48	1255.24		1256.03	0.00271	9.4
Reach 2	708328	50 - Year	64229	1233.48	1261.22		1261.76	0.001613	8.81
Reach 2	708328	100 - Year	75217	1233.48	1262.85		1263.38	0.001486	8.83
Reach 2	708328	500 - Year	114828	1233.48	1266.89		1267.5	0.001514	9.84
Reach 2	708095	2 - Year	2233	1233.68	1239.62		1240.23	0.014248	6.3
Reach 2	708095	5 - Year	17349	1233.68	1249.63		1250.32	0.002669	7.55
Reach 2	708095	10 - Year	33700	1233.68	1254.64		1255.42	0.002261	8.67
Reach 2	708095	50 - Year	64229	1233.68	1260.49		1261.3	0.001898	9.62
Reach 2	708095	100 - Year	75217	1233.68	1262.11		1262.94	0.001841	9.9
Reach 2	708095	500 - Year	114828	1233.68	1265.9		1267	0.002189	11.85
Reach 2	707753	2 - Year	2233	1229.46	1239.47		1239.54	0.000552	2.13
Reach 2	707753	5 - Year	17349	1229.46	1249.3		1249.7	0.001037	5.5
Reach 2	707753	10 - Year	33700	1229.46	1254.2		1254.82	0.001233	7.17
Reach 2	707753	50 - Year	64229	1229.46	1259.98		1260.78	0.001319	8.73
Reach 2	707753	100 - Year	75217	1229.46	1261.55		1262.41	0.001373	9.25
Reach 2	707753	500 - Year	114828	1229.46	1265		1266.31	0.0019	11.76
Reach 2	707352	2 - Year	2233	1228.3	1239.21		1239.32	0.00056	2.58
Reach 2	707352	5 - Year	17349	1228.3	1248.29		1249.11	0.001954	7.9
Reach 2	707352	10 - Year	33700	1228.3	1252.8		1254.07	0.002539	10.51
Reach 2	707352	50 - Year	64229	1228.3	1258.69		1260.03	0.002377	11.93
Reach 2	707352	100 - Year	75217	1228.3	1260.07		1261.61	0.002604	12.89
Reach 2	707352	500 - Year	114828	1228.3	1263.7		1265.37	0.002742	14.31
Reach 2	706900	2 - Year	2233	1228.16	1238.71		1238.89	0.001842	3.35
Reach 2	706900	5 - Year	17349	1228.16	1247.29		1248.09	0.002623	7.8
Reach 2	706900	10 - Year	33700	1228.16	1251.65		1252.81	0.002957	9.98
Reach 2	706900	50 - Year	64229	1228.16	1257.83		1258.9	0.002325	10.78
Reach 2	706900	100 - Year	75217	1228.16	1259.53		1260.42	0.001949	10.33
Reach 2	706900	500 - Year	114828	1228.16	1263.36		1264.17	0.001685	10.53
Reach 2	706428	2 - Year	2221	1228.28	1237.64		1237.86	0.0026	3.77
Reach 2	706428	5 - Year	17255	1228.28	1246.2		1246.85	0.002473	7.38
Reach 2	706428	10 - Year	33398	1228.28	1250.45		1251.4	0.002817	9.49
Reach 2	706428	50 - Year	63900	1228.28	1257.03		1257.83	0.001947	9.77
Reach 2	706428	100 - Year	74909	1228.28	1258.59		1259.48	0.002065	10.49
Reach 2	706428	500 - Year	114430	1228.28	1262.55		1263.35	0.001821	10.84

Reach 2	706126	2 - Year	2221	1228.65	1237.31		1237.39	0.000792	2.27
Reach 2	706126	5 - Year	17255	1228.65	1245.89		1246.22	0.001088	5.09
Reach 2	706126	10 - Year	33398	1228.65	1250.11		1250.62	0.001314	6.69
Reach 2	706126	50 - Year	63900	1228.65	1256.64		1257.3	0.001274	8.09
Reach 2	706126	100 - Year	74909	1228.65	1258.12		1258.92	0.001449	8.97
Reach 2	706126	500 - Year	114430	1228.65	1262.05		1262.87	0.001429	9.79
Reach 2	706048	2 - Year	2221	1234.07	1236.96	1235.94	1237.21	0.006675	3.98
Reach 2	706048	5 - Year	17255	1234.07	1245.55	1240.18	1246.05	0.002037	6.02
Reach 2	706048	10 - Year	33398	1234.07	1249.93	1243.68	1250.49	0.001709	6.89
Reach 2	706048	50 - Year	63900	1234.07	1256.64	1247.87	1257.12	0.001106	7.05
Reach 2	706048	100 - Year	74909	1234.07	1258.2	1248.82	1258.67	0.001039	7.16
Reach 2	706048	500 - Year	114430	1234.07	1262.09	1251.71	1262.64	0.001083	8.09
Reach 2	705986		Culvert						
Reach 2	705951	2 - Year	2221	1233.8	1236.54		1236.86	0.01001	4.55
Reach 2	705951	5 - Year	17255	1233.8	1244.69		1245	0.001615	5.15
Reach 2	705951	10 - Year	33398	1233.8	1250.04		1250.27	0.000839	4.9
Reach 2	705951	50 - Year	63900	1233.8	1256.7		1256.93	0.000598	5.23
Reach 2	705951	100 - Year	74909	1233.8	1258.33		1258.57	0.00058	5.4
Reach 2	705951	500 - Year	114430	1233.8	1262.14		1262.45	0.000647	6.29
Reach 2	705863	2 - Year	2221	1228.25	1233.9	1233.9	1235.11	0.033926	8.83
Reach 2	705863	5 - Year	17255	1228.25	1244.05	1239.86	1244.71	0.002956	7.79
Reach 2	705863	10 - Year	33398	1228.25	1249.17	1242.78	1249.98	0.002581	9.15
Reach 2	705863	50 - Year	63900	1228.25	1255.74	1246.81	1256.64	0.002151	10.32
Reach 2	705863	100 - Year	74909	1228.25	1257.27	1248.47	1258.26	0.002297	11.1
Reach 2	705863	500 - Year	114430	1228.25	1260.93	1252	1262.09	0.002677	13.1
Reach 2	705479	2 - Year	2221	1220.57	1231.38	1226.23	1231.64	0.002281	4.07
Reach 2	705479	5 - Year	17255	1220.57	1242.12	1236.37	1243.37	0.003777	9.77
Reach 2	705479	10 - Year	33398	1220.57	1247.37	1242.21	1248.77	0.003578	11.36
Reach 2	705479	50 - Year	63900	1220.57	1254.26	1247.99	1255.63	0.003024	12.49
Reach 2	705479	100 - Year	74909	1220.57	1256.08	1249.23	1257.29	0.002652	12.17
Reach 2	705479	500 - Year	114430	1220.57	1260.53	1252	1261.15	0.001576	10.26
Reach 2	705061	2 - Year	2221	1218.28	1231.03	1223.65	1231.12	0.000583	2.39
Reach 2	705061	5 - Year	17255	1218.28	1241.27	1231.78	1242.04	0.001928	7.42
Reach 2	705061	10 - Year	33398	1218.28	1246.34	1237.66	1247.45	0.002291	9.5
Reach 2	705061	50 - Year	63900	1218.28	1253.23	1244.94	1254.53	0.002246	11.17
Reach 2	705061	100 - Year	74909	1218.28	1254.71	1246.42	1256.17	0.00244	12.01
Reach 2	705061	500 - Year	114430	1218.28	1259.55	1250.65	1260.43	0.001614	10.74
Reach 2	704609	2 - Year	2221	1219.41	1230.57	1225.57	1230.71	0.001453	3
Reach 2	704609	5 - Year	17255	1219.41	1240.31	1233.22	1241.07	0.002394	7.45
Reach 2	704609	10 - Year	33398	1219.41	1245.38	1238	1246.34	0.002402	9.01

Reach 2	704609	50 - Year	63900	1219.41	1252.28	1243.71	1253.47	0.002308	10.71
Reach 2	704609	100 - Year	74909	1219.41	1253.67	1244.93	1255.02	0.002528	11.59
Reach 2	704609	500 - Year	114430	1219.41	1257.63	1248.58	1259.26	0.002884	13.49
Reach 2	703991	2 - Year	2264	1219.03	1229.62	1224.26	1229.76	0.00163	3.03
Reach 2	703991	5 - Year	17594	1219.03	1238.42	1232.45	1239.27	0.003617	7.74
Reach 2	703991	10 - Year	33973	1219.03	1243.5	1236.95	1244.62	0.003457	9.35
Reach 2	703991	50 - Year	65336	1219.03	1250.48	1242.15	1251.86	0.00318	11.09
Reach 2	703991	100 - Year	76540	1219.03	1251.73	1243.53	1253.26	0.003455	11.93
Reach 2	703991	500 - Year	116383	1219.03	1255.01	1247.8	1257.08	0.004402	14.54
Reach 2	703580	2 - Year	2264	1216.67	1229.29	1221.9	1229.36	0.00055	2.03
Reach 2	703580	5 - Year	17594	1216.67	1237.22	1229.39	1237.98	0.002678	7.21
Reach 2	703580	10 - Year	33973	1216.67	1241.63	1233.84	1243.08	0.003818	10.18
Reach 2	703580	50 - Year	65336	1216.67	1247.83	1240	1250.1	0.004625	13.43
Reach 2	703580	100 - Year	76540	1216.67	1249.41	1242.54	1251.55	0.004367	13.57
Reach 2	703580	500 - Year	116383	1216.67	1253.47	1250.35	1255.31	0.00385	13.96
Reach 2	703198	2 - Year	2264	1216.46	1228.62		1228.85	0.003269	3.89
Reach 2	703198	5 - Year	17594	1216.46	1236.38		1236.81	0.002126	6.38
Reach 2	703198	10 - Year	33973	1216.46	1240.87		1241.35	0.001791	7.25
Reach 2	703198	50 - Year	65336	1216.46	1247.3		1247.79	0.001427	8.08
Reach 2	703198	100 - Year	76540	1216.46	1248.86		1249.37	0.001447	8.5
Reach 2	703198	500 - Year	116383	1216.46	1253.03		1253.47	0.001151	8.43
Reach 2	702455	2 - Year	2264	1216.96	1225.58		1225.95	0.004565	4.93
Reach 2	702455	5 - Year	17594	1216.96	1234.64		1235.22	0.002633	7.21
Reach 2	702455	10 - Year	33973	1216.96	1239.62		1240.18	0.001903	7.72
Reach 2	702455	50 - Year	65336	1216.96	1246.19		1246.82	0.001651	8.94
Reach 2	702455	100 - Year	76540	1216.96	1247.84		1248.44	0.001542	9.03
Reach 2	702455	500 - Year	116383	1216.96	1252.13		1252.7	0.001361	9.42
Reach 2	701936	2 - Year	2264	1214.54	1223.9		1224.14	0.002572	3.94
Reach 2	701936	5 - Year	17594	1214.54	1232.58		1233.6	0.003588	8.48
Reach 2	701936	10 - Year	33973	1214.54	1238.29		1239.14	0.002225	8.64
Reach 2	701936	50 - Year	65336	1214.54	1245.14		1245.99	0.00174	9.48
Reach 2	701936	100 - Year	76540	1214.54	1246.81		1247.65	0.001676	9.72
Reach 2	701936	500 - Year	116383	1214.54	1251.29		1252.05	0.001431	9.97
Reach 2	701272	2 - Year	2264	1212.76	1220.93		1221.24	0.008886	4.41
Reach 2	701272	5 - Year	17594	1212.76	1231.5		1231.93	0.00137	5.37
Reach 2	701272	10 - Year	33973	1212.76	1237.33		1237.96	0.001275	6.68
Reach 2	701272	50 - Year	65336	1212.76	1243.98		1244.95	0.001422	8.67
Reach 2	701272	100 - Year	76540	1212.76	1245.62		1246.63	0.001423	9.04
Reach 2	701272	500 - Year	116383	1212.76	1250.13		1251.12	0.00133	9.7
Reach 2	700689	2 - Year	2264	1211.02	1219.52		1219.63	0.001217	2.68

Reach 2	700689	5 - Year	17594	1211.02	1230.74		1231.2	0.001113	5.67
Reach 2	700689	10 - Year	33973	1211.02	1236.4		1237.17	0.001304	7.52
Reach 2	700689	50 - Year	65336	1211.02	1242.7		1243.97	0.001661	10.07
Reach 2	700689	100 - Year	76540	1211.02	1244.35		1245.66	0.001663	10.47
Reach 2	700689	500 - Year	116383	1211.02	1249.09		1250.28	0.001503	11
Reach 2	700203	2 - Year	2264	1207.18	1218.6		1218.82	0.00218	3.77
Reach 2	700203	5 - Year	17594	1207.18	1229.98		1230.54	0.001589	6.7
Reach 2	700203	10 - Year	33973	1207.18	1235.92		1236.45	0.001191	7.16
Reach 2	700203	50 - Year	65336	1207.18	1242.36		1243.01	0.001164	8.41
Reach 2	700203	100 - Year	76540	1207.18	1244.02		1244.7	0.001168	8.76
Reach 2	700203	500 - Year	116383	1207.18	1248.73		1249.45	0.001154	9.59
Reach 2	699721	2 - Year	2264	1204.4	1217.27		1217.6	0.002816	4.6
Reach 2	699721	5 - Year	17594	1204.4	1229.04		1229.72	0.002089	7.22
Reach 2	699721	10 - Year	33973	1204.4	1235.34		1235.94	0.001406	7.51
Reach 2	699721	50 - Year	65336	1204.4	1241.69		1242.49	0.001478	9.18
Reach 2	699721	100 - Year	76540	1204.4	1243.31		1244.16	0.001518	9.66
Reach 2	699721	500 - Year	116383	1204.4	1247.91		1248.87	0.001574	10.85
Reach 2	699436	2 - Year	2264	1205.32	1216.98		1217.1	0.000829	2.77
Reach 2	699436	5 - Year	17594	1205.32	1228.64		1229.22	0.001262	6.65
Reach 2	699436	10 - Year	33973	1205.32	1234.67		1235.49	0.001384	8.4
Reach 2	699436	50 - Year	65336	1205.32	1240.75		1241.93	0.001722	10.87
Reach 2	699436	100 - Year	76540	1205.32	1242.18		1243.54	0.001913	11.81
Reach 2	699436	500 - Year	116383	1205.32	1247.01		1248.31	0.001797	12.57
Reach 2	699122	2 - Year	2264	1203.59	1216.76		1216.87	0.000607	2.71
Reach 2	699122	5 - Year	17594	1203.59	1228		1228.74	0.001528	7.53
Reach 2	699122	10 - Year	33973	1203.59	1233.75		1234.89	0.00188	9.9
Reach 2	699122	50 - Year	65336	1203.59	1239.84		1241.26	0.002156	12.22
Reach 2	699122	100 - Year	76540	1203.59	1241.46		1242.89	0.002152	12.63
Reach 2	699122	500 - Year	116383	1203.59	1246.14		1247.64	0.00218	13.88
Reach 2	698828	2 - Year	2264	1203.72	1216.61		1216.7	0.000534	2.34
Reach 2	698828	5 - Year	17594	1203.72	1227.7		1228.3	0.001225	6.53
Reach 2	698828	10 - Year	33973	1203.72	1233.37		1234.35	0.001549	8.77
Reach 2	698828	50 - Year	65336	1203.72	1239.17		1240.64	0.002029	11.58
Reach 2	698828	100 - Year	76540	1203.72	1240.66		1242.24	0.002135	12.28
Reach 2	698828	500 - Year	116383	1203.72	1245.64		1247.01	0.001861	12.64
Reach 2	698304	2 - Year	2264	1205.17	1216.3		1216.39	0.00064	2.42
Reach 2	698304	5 - Year	17594	1205.17	1227.14		1227.65	0.001148	6.15
Reach 2	698304	10 - Year	33973	1205.17	1232.67		1233.52	0.001451	8.29
Reach 2	698304	50 - Year	65336	1205.17	1238.36		1239.56	0.001787	10.66
Reach 2	698304	100 - Year	76540	1205.17	1239.81		1241.11	0.001882	11.3
Reach 2	698304	500 - Year	116383	1205.17	1244.45		1245.97	0.002037	12.94

Reach 2	697900	2 - Year	2264	1204.54	1215.66		1215.89	0.003043	3.85
Reach 2	697900	5 - Year	17594	1204.54	1226.6		1227.08	0.001765	6.34
Reach 2	697900	10 - Year	33973	1204.54	1232.08		1232.82	0.001986	8.22
Reach 2	697900	50 - Year	65336	1204.54	1237.72		1238.71	0.002281	10.33
Reach 2	697900	100 - Year	76540	1204.54	1239.18		1240.21	0.002313	10.78
Reach 2	697900	500 - Year	116383	1204.54	1243.95		1245.02	0.002176	11.61
Reach 2	697375	2 - Year	2264	1203.1	1214.44		1214.63	0.001909	3.49
Reach 2	697375	5 - Year	17594	1203.1	1224.55		1225.75	0.003531	9.17
Reach 2	697375	10 - Year	33973	1203.1	1230.27		1231.51	0.003015	10.37
Reach 2	697375	50 - Year	65336	1203.1	1236.55		1237.52	0.002263	10.64
Reach 2	697375	100 - Year	76540	1203.1	1238.05		1239.02	0.002211	10.89
Reach 2	697375	500 - Year	116383	1203.1	1243		1243.9	0.001945	11.32
Reach 2	696880	2 - Year	2264	1201.72	1214.04		1214.13	0.000555	2.41
Reach 2	696880	5 - Year	17594	1201.72	1223.16		1224.21	0.002629	8.48
Reach 2	696880	10 - Year	33973	1201.72	1229		1230.16	0.002447	9.89
Reach 2	696880	50 - Year	65336	1201.72	1235.55		1236.51	0.001966	10.44
Reach 2	696880	100 - Year	76540	1201.72	1237.09		1238.02	0.001911	10.65
Reach 2	696880	500 - Year	116383	1201.72	1242.22		1243.03	0.001614	10.81
Reach 2	696345	2 - Year	2264	1202.72	1213.25	1209.18	1213.52	0.002641	4.18
Reach 2	696345	5 - Year	17594	1202.72	1222.56	1218.45	1222.86	0.001517	5.84
Reach 2	696345	10 - Year	33973	1202.72	1228.21	1221.98	1228.77	0.002075	8.41
Reach 2	696345	50 - Year	65336	1202.72	1235.15	1222.71	1235.51	0.001202	7.73
Reach 2	696345	100 - Year	76540	1202.72	1236.71	1223.65	1237.08	0.001159	7.87
Reach 2	696345	500 - Year	116383	1202.72	1241.86	1226.51	1242.24	0.001064	8.39
Reach 2	695851	2 - Year	2252	1202	1212.52		1212.61	0.001147	2.46
Reach 2	695851	5 - Year	17501	1202	1222.1		1222.28	0.000874	4.09
Reach 2	695851	10 - Year	33416	1202	1227.79		1228.03	0.000842	4.94
Reach 2	695851	50 - Year	65252	1202	1234.71		1235.01	0.000894	6.15
Reach 2	695851	100 - Year	76600	1202	1236.29		1236.59	0.00088	6.33
Reach 2	695851	500 - Year	115896	1202	1241.49		1241.8	0.00079	6.68
Reach 2	695255	2 - Year	2252	1200	1211.6		1211.76	0.001749	3.21
Reach 2	695255	5 - Year	17501	1200	1220.66		1221.32	0.002895	7.33
Reach 2	695255	10 - Year	33416	1200	1225.99		1226.99	0.003204	9.42
Reach 2	695255	50 - Year	65252	1200	1233.4		1234.16	0.002198	9.58
Reach 2	695255	100 - Year	76600	1200	1235.09		1235.79	0.002002	9.51
Reach 2	695255	500 - Year	115896	1200	1240.52		1241.13	0.001624	9.58
Reach 2	694564	2 - Year	2252	1202	1210.4		1210.52	0.001771	2.8
Reach 2	694564	5 - Year	17501	1202	1218.91		1219.54	0.002429	6.68
Reach 2	694564	10 - Year	33416	1202	1223.99		1225.04	0.002701	8.78
Reach 2	694564	50 - Year	65252	1202	1231.21		1232.51	0.002474	10.51

Reach 2	694564	100 - Year	76600	1202	1233.13		1234.32	0.002217	10.45
Reach 2	694564	500 - Year	115896	1202	1238.64		1239.84	0.001998	11.22
Reach 2	693908	2 - Year	2252	1198	1207.89		1208.22	0.00902	4.67
Reach 2	693908	5 - Year	17501	1198	1217.27		1217.79	0.002815	6.47
Reach 2	693908	10 - Year	33416	1198	1222.37		1223.13	0.002747	8.03
Reach 2	693908	50 - Year	65252	1198	1229.91		1230.75	0.002284	9.29
Reach 2	693908	100 - Year	76600	1198	1232.02		1232.76	0.001957	9.08
Reach 2	693908	500 - Year	115896	1198	1237.73		1238.44	0.001669	9.52
Reach 2	693424	2 - Year	2252	1196	1205.5		1205.78	0.003195	4.23
Reach 2	693424	5 - Year	17501	1196	1216.53		1216.9	0.0013	5.68
Reach 2	693424	10 - Year	33416	1196	1221.88		1222.28	0.001079	6.4
Reach 2	693424	50 - Year	65252	1196	1229.64		1230.04	0.000818	6.96
Reach 2	693424	100 - Year	76600	1196	1231.72		1232.13	0.000781	7.14
Reach 2	693424	500 - Year	115896	1196	1237.39		1237.87	0.000784	8.04
Reach 2	693047	2 - Year	2252	1196	1204.4		1204.65	0.002758	4.01
Reach 2	693047	5 - Year	17501	1196	1215.76		1216.34	0.001674	6.68
Reach 2	693047	10 - Year	33416	1196	1221.42		1221.91	0.00117	6.9
Reach 2	693047	50 - Year	65252	1196	1229.24		1229.74	0.000938	7.65
Reach 2	693047	100 - Year	76600	1196	1231.31		1231.84	0.000925	7.96
Reach 2	693047	500 - Year	115896	1196	1236.91		1237.56	0.000973	9.13
Reach 2	692720	2 - Year	2252	1194	1203.3		1203.62	0.003465	4.54
Reach 2	692720	5 - Year	17501	1194	1215.22		1215.75	0.002001	7.01
Reach 2	692720	10 - Year	33416	1194	1221.04		1221.52	0.001478	7.34
Reach 2	692720	50 - Year	65252	1194	1228.91		1229.43	0.001252	8.24
Reach 2	692720	100 - Year	76600	1194	1230.99		1231.53	0.001234	8.55
Reach 2	692720	500 - Year	115896	1194	1236.58		1237.24	0.00131	9.79
Reach 2	692225	2 - Year	2252	1192	1202.28		1202.45	0.001529	3.37
Reach 2	692225	5 - Year	17501	1192	1213.72		1214.6	0.002462	7.88
Reach 2	692225	10 - Year	33416	1192	1219.94		1220.7	0.001765	8.24
Reach 2	692225	50 - Year	65252	1192	1228.07		1228.79	0.001382	8.92
Reach 2	692225	100 - Year	76600	1192	1230.21		1230.92	0.001318	9.1
Reach 2	692225	500 - Year	115896	1192	1235.78		1236.61	0.001362	10.26
Reach 2	691979	2 - Year	2252	1191.68	1200.82		1201.58	0.011784	7.01
Reach 2	691979	5 - Year	17501	1191.68	1212.77		1213.83	0.003995	8.72
Reach 2	691979	10 - Year	33416	1191.68	1218.93		1220.11	0.003086	9.86
Reach 2	691979	50 - Year	65252	1191.68	1227.49		1228.4	0.001881	9.79
Reach 2	691979	100 - Year	76600	1191.68	1229.65		1230.56	0.001768	9.97
Reach 2	691979	500 - Year	115896	1191.68	1235.24		1236.25	0.00173	11.04
Reach 2	691608	2 - Year	2252	1186.75	1200.01		1200.19	0.001506	3.37
Reach 2	691608	5 - Year	17501	1186.75	1211.75		1212.63	0.002454	7.62

Reach 2	691608	10 - Year	33416	1186.75	1217.62		1219.02	0.002763	9.94
Reach 2	691608	50 - Year	65252	1186.75	1226.2		1227.63	0.002217	11.08
Reach 2	691608	100 - Year	76600	1186.75	1228.39		1229.82	0.002143	11.41
Reach 2	691608	500 - Year	115896	1186.75	1234.14		1235.56	0.001992	12.25
Reach 2	691005	2 - Year	2274	1185.95	1199.37		1199.5	0.000849	2.87
Reach 2	691005	5 - Year	17671	1185.95	1210.55		1211.37	0.001771	7.67
Reach 2	691005	10 - Year	33570	1185.95	1216.23		1217.57	0.00215	10.13
Reach 2	691005	50 - Year	66062	1185.95	1223.91		1226.05	0.00262	13.48
Reach 2	691005	100 - Year	77563	1185.95	1225.77		1228.16	0.002795	14.47
Reach 2	691005	500 - Year	116971	1185.95	1230.87		1233.76	0.003104	16.76
Reach 2	690736	2 - Year	2274	1188.38	1199.18		1199.27	0.000657	2.45
Reach 2	690736	5 - Year	17671	1188.38	1210.2		1210.79	0.001252	6.45
Reach 2	690736	10 - Year	33570	1188.38	1215.83		1216.81	0.001552	8.63
Reach 2	690736	50 - Year	66062	1188.38	1223.35		1225.23	0.002161	12.26
Reach 2	690736	100 - Year	77563	1188.38	1225.16		1227.32	0.002352	13.29
Reach 2	690736	500 - Year	116971	1188.38	1230.22		1232.79	0.002581	15.32
Reach 2	690347	2 - Year	2274	1185.74	1198.72		1198.87	0.001694	3.27
Reach 2	690347	5 - Year	17671	1185.74	1209.72		1210.19	0.001622	6.44
Reach 2	690347	10 - Year	33570	1185.74	1215.26		1216.06	0.002014	8.66
Reach 2	690347	50 - Year	66062	1185.74	1222.78		1224.07	0.002458	11.59
Reach 2	690347	100 - Year	77563	1185.74	1224.58		1226.04	0.00263	12.47
Reach 2	690347	500 - Year	116971	1185.74	1229.54		1231.4	0.002999	14.66
Reach 2	689965	2 - Year	2274	1187.28	1196.74		1197.48	0.010879	6.88
Reach 2	689965	5 - Year	17671	1187.28	1208.63		1209.34	0.002906	8.04
Reach 2	689965	10 - Year	33570	1187.28	1214.34		1215.18	0.002503	9.22
Reach 2	689965	50 - Year	66062	1187.28	1222.01		1223.06	0.002365	11.03
Reach 2	689965	100 - Year	77563	1187.28	1223.82		1224.96	0.002447	11.69
Reach 2	689965	500 - Year	116971	1187.28	1228.85		1230.18	0.002513	13.11
Reach 2	689638	2 - Year	2274	1184.19	1195.56		1195.82	0.00254	4.11
Reach 2	689638	5 - Year	17671	1184.19	1207.69		1208.5	0.002357	8.17
Reach 2	689638	10 - Year	33570	1184.19	1213.58		1214.46	0.00212	9.33
Reach 2	689638	50 - Year	66062	1184.19	1221.44		1222.38	0.001876	10.59
Reach 2	689638	100 - Year	77563	1184.19	1223.26		1224.24	0.00191	11.08
Reach 2	689638	500 - Year	116971	1184.19	1228.27		1229.42	0.002069	12.65
Reach 2	689321	2 - Year	2274	1183.92	1195.15		1195.31	0.001009	3.25
Reach 2	689321	5 - Year	17671	1183.92	1206.7		1207.77	0.002161	8.82
Reach 2	689321	10 - Year	33570	1183.92	1212.62		1213.78	0.002011	10.18
Reach 2	689321	50 - Year	66062	1183.92	1220.61		1221.79	0.001766	11.48
Reach 2	689321	100 - Year	77563	1183.92	1222.46		1223.65	0.001758	11.87
Reach 2	689321	500 - Year	116971	1183.92	1227.52		1228.81	0.001799	13.15

Reach 2	688950	2 - Year	2274	1183.65	1194.78		1194.95	0.000959	3.28
Reach 2	688950	5 - Year	17671	1183.65	1205.96		1207.02	0.001882	8.73
Reach 2	688950	10 - Year	33570	1183.65	1211.75		1213.06	0.001884	10.51
Reach 2	688950	50 - Year	66062	1183.65	1220.06		1221.21	0.001448	11.25
Reach 2	688950	100 - Year	77563	1183.65	1221.91		1223.08	0.001446	11.67
Reach 2	688950	500 - Year	116971	1183.65	1226.94		1228.22	0.001508	13.06
Reach 2	688528	2 - Year	2274	1184.29	1193.87		1194.22	0.003172	4.73
Reach 2	688528	5 - Year	17671	1184.29	1205.09		1206.15	0.002346	9
Reach 2	688528	10 - Year	33570	1184.29	1210.94		1212.22	0.002158	10.64
Reach 2	688528	50 - Year	66062	1184.29	1219.59		1220.54	0.001383	10.64
Reach 2	688528	100 - Year	77563	1184.29	1221.47		1222.4	0.00133	10.86
Reach 2	688528	500 - Year	116971	1184.29	1226.61		1227.48	0.001204	11.4
Reach 2	688110	2 - Year	2274	1177.98	1193.81		1193.86	0.000196	1.8
Reach 2	688110	5 - Year	17671	1177.98	1204.99		1205.39	0.000627	5.44
Reach 2	688110	10 - Year	33570	1177.98	1210.79		1211.44	0.000806	7.28
Reach 2	688110	50 - Year	66062	1177.98	1219.39		1220.08	0.000735	8.4
Reach 2	688110	100 - Year	77563	1177.98	1221.26		1221.96	0.000744	8.75
Reach 2	688110	500 - Year	116971	1177.98	1226.35		1227.12	0.000779	9.77
Reach 2	687622	2 - Year	2274	1188	1193.44		1193.61	0.001713	3.37
Reach 2	687622	5 - Year	17671	1188	1204.26		1204.91	0.001404	6.86
Reach 2	687622	10 - Year	33570	1188	1209.86		1210.87	0.001544	8.85
Reach 2	687622	50 - Year	66062	1188	1218.2		1219.51	0.001467	10.79
Reach 2	687622	100 - Year	77563	1188	1219.98		1221.38	0.001509	11.38
Reach 2	687622	500 - Year	116971	1188	1224.67		1226.44	0.00174	13.42
Reach 2	687147	2 - Year	2266	1181.69	1192.72		1192.9	0.001293	3.41
Reach 2	687147	5 - Year	17603	1181.69	1202.85		1203.9	0.002607	8.93
Reach 2	687147	10 - Year	33217	1181.69	1208.4		1209.8	0.002673	10.93
Reach 2	687147	50 - Year	65836	1181.69	1217.13		1218.6	0.002223	12.4
Reach 2	687147	100 - Year	77541	1181.69	1218.84		1220.43	0.002333	13.17
Reach 2	687147	500 - Year	116809	1181.69	1223.69		1225.43	0.002425	14.72
Reach 2	686770	2 - Year	2266	1183.45	1192.07		1192.28	0.002164	3.68
Reach 2	686770	5 - Year	17603	1183.45	1202.3		1202.95	0.001924	7.27
Reach 2	686770	10 - Year	33217	1183.45	1208.06		1208.83	0.001703	8.46
Reach 2	686770	50 - Year	65836	1183.45	1216.95		1217.77	0.001348	9.52
Reach 2	686770	100 - Year	77541	1183.45	1218.67		1219.55	0.001412	10.11
Reach 2	686770	500 - Year	116809	1183.45	1223.48		1224.52	0.001513	11.5
Reach 2	686169	2 - Year	2266	1180.5	1189.91		1190.33	0.004988	5.22
Reach 2	686169	5 - Year	17603	1180.5	1200.62		1201.58	0.003023	8.86
Reach 2	686169	10 - Year	33217	1180.5	1206.84		1207.8	0.002246	9.63
Reach 2	686169	50 - Year	65836	1180.5	1216.09		1217.04	0.001654	10.53
Reach 2	686169	100 - Year	77541	1180.5	1217.83		1218.82	0.001681	11.01

Reach 2	686169	500 - Year	116809	1180.5	1222.61		1223.76	0.001809	12.53
Reach 2	685762	2 - Year	2266	1179.98	1188.68		1188.9	0.002311	3.75
Reach 2	685762	5 - Year	17603	1179.98	1199.65		1200.54	0.002297	7.87
Reach 2	685762	10 - Year	33217	1179.98	1205.54		1206.85	0.002362	9.91
Reach 2	685762	50 - Year	65836	1179.98	1214.99		1216.32	0.001785	11
Reach 2	685762	100 - Year	77541	1179.98	1216.75		1218.11	0.001797	11.45
Reach 2	685762	500 - Year	116809	1179.98	1221.47		1223.03	0.001919	12.95
Reach 2	685415	2 - Year	2266	1178.55	1188.1		1188.26	0.001365	3.16
Reach 2	685415	5 - Year	17603	1178.55	1198.95		1199.77	0.001925	7.63
Reach 2	685415	10 - Year	33217	1178.55	1204.75		1206.05	0.002183	9.92
Reach 2	685415	50 - Year	65836	1178.55	1213.59		1215.46	0.002254	12.58
Reach 2	685415	100 - Year	77541	1178.55	1215.32		1217.24	0.002283	13.12
Reach 2	685415	500 - Year	116809	1178.55	1220.03		1222.12	0.002392	14.68
Reach 2	685122	2 - Year	2266	1178.16	1187.52		1187.74	0.002202	3.79
Reach 2	685122	5 - Year	17603	1178.16	1198.38		1199.17	0.00209	7.71
Reach 2	685122	10 - Year	33217	1178.16	1204.16		1205.35	0.002228	9.79
Reach 2	685122	50 - Year	65836	1178.16	1212.89		1214.77	0.002449	12.87
Reach 2	685122	100 - Year	77541	1178.16	1214.47		1216.49	0.002577	13.66
Reach 2	685122	500 - Year	116809	1178.16	1219.04		1221.31	0.002753	15.44
Reach 2	684871	2 - Year	2266	1178.3	1186.97		1187.14	0.002278	3.33
Reach 2	684871	5 - Year	17603	1178.3	1197.98		1198.53	0.001461	6.28
Reach 2	684871	10 - Year	33217	1178.3	1203.77		1204.57	0.001506	7.9
Reach 2	684871	50 - Year	65836	1178.3	1212.62		1213.58	0.001307	9.3
Reach 2	684871	100 - Year	77541	1178.3	1214.17		1215.27	0.00144	10.1
Reach 2	684871	500 - Year	116809	1178.3	1218.68		1220.04	0.001642	11.79
Reach 2	684406	2 - Year	2266	1176.45	1186.3		1186.4	0.001073	2.58
Reach 2	684406	5 - Year	17603	1176.45	1197.65		1197.9	0.000805	4.63
Reach 2	684406	10 - Year	33217	1176.45	1203.49		1203.84	0.000854	5.8
Reach 2	684406	50 - Year	65836	1176.45	1212.5		1212.86	0.00069	6.51
Reach 2	684406	100 - Year	77541	1176.45	1214.07		1214.46	0.000731	6.91
Reach 2	684406	500 - Year	116809	1176.45	1218.59		1219.09	0.000849	8.11
Reach 2	683839	2 - Year	2266	1172.86	1185.91		1186.01	0.000475	2.59
Reach 2	683839	5 - Year	17603	1172.86	1196.06		1197.06	0.001681	8.32
Reach 2	683839	10 - Year	33217	1172.86	1201.04		1202.74	0.00226	11.31
Reach 2	683839	50 - Year	65836	1172.86	1209.98		1211.85	0.001971	13.12
Reach 2	683839	100 - Year	77541	1172.86	1211.64		1213.46	0.001943	13.46
Reach 2	683839	500 - Year	116809	1172.86	1216.7		1218.21	0.001654	13.62
Reach 2	683539	2 - Year	2276	1176.69	1185.39		1185.65	0.002584	4.1
Reach 2	683539	5 - Year	17683	1176.69	1195.58		1196.33	0.00189	7.71
Reach 2	683539	10 - Year	33217	1176.69	1200.52		1201.62	0.002044	9.72

Reach 2	683539	50 - Year	66201	1176.69	1209.53		1210.89	0.001783	11.68
Reach 2	683539	100 - Year	78092	1176.69	1211.22		1212.48	0.001674	11.76
Reach 2	683539	500 - Year	117435	1176.69	1216.52		1217.13	0.00093	9.76
Reach 2	683147	2 - Year	2276	1171.48	1185.04		1185.15	0.000594	2.62
Reach 2	683147	5 - Year	17683	1171.48	1194.93		1195.69	0.001504	7.44
Reach 2	683147	10 - Year	33217	1171.48	1199.46		1200.79	0.002051	10.18
Reach 2	683147	50 - Year	66201	1171.48	1207.69		1209.87	0.002392	13.63
Reach 2	683147	100 - Year	78092	1171.48	1209.6		1211.56	0.002182	13.57
Reach 2	683147	500 - Year	117435	1171.48	1215.89		1216.71	0.001055	10.65
Reach 2	682795	2 - Year	2276	1169.15	1184.83		1184.94	0.000631	2.72
Reach 2	682795	5 - Year	17683	1169.15	1194.48		1195.13	0.001493	7.33
Reach 2	682795	10 - Year	33217	1169.15	1198.96		1199.98	0.001887	9.63
Reach 2	682795	50 - Year	66201	1169.15	1206.99		1208.92	0.002523	13.76
Reach 2	682795	100 - Year	78092	1169.15	1209.31		1210.55	0.001771	12.13
Reach 2	682795	500 - Year	117435	1169.15	1215.69		1216.27	0.000883	9.67
Reach 2	682199	2 - Year	2276	1170.93	1183.64		1184.07	0.004361	5.22
Reach 2	682199	5 - Year	17683	1170.93	1192.69		1193.63	0.004857	9.4
Reach 2	682199	10 - Year	33217	1170.93	1197.79		1198.52	0.002958	9.06
Reach 2	682199	50 - Year	66201	1170.93	1206.36		1207.07	0.001892	9.3
Reach 2	682199	100 - Year	78092	1170.93	1208.61		1209.3	0.001704	9.31
Reach 2	682199	500 - Year	117435	1170.93	1215.04		1215.67	0.001348	9.43
Reach 2	681889	2 - Year	2276	1172.19	1182.4		1182.75	0.003916	4.81
Reach 2	681889	5 - Year	17683	1172.19	1191.5		1192.42	0.003493	8.79
Reach 2	681889	10 - Year	33217	1172.19	1196.93		1197.74	0.002377	9.11
Reach 2	681889	50 - Year	66201	1172.19	1205.89		1206.61	0.001444	9.22
Reach 2	681889	100 - Year	78092	1172.19	1208.21		1208.88	0.00128	9.16
Reach 2	681889	500 - Year	117435	1172.19	1214.73		1215.33	0.000986	9.17
Reach 2	681424	2 - Year	2276	1169.94	1181.15		1181.33	0.002229	3.52
Reach 2	681424	5 - Year	17683	1169.94	1190.73		1191.16	0.00161	6.14
Reach 2	681424	10 - Year	33217	1169.94	1196.19		1196.81	0.001579	7.58
Reach 2	681424	50 - Year	66201	1169.94	1205		1205.92	0.001523	9.55
Reach 2	681424	100 - Year	78092	1169.94	1207.44		1208.27	0.00136	9.54
Reach 2	681424	500 - Year	117435	1169.94	1214.31		1214.92	0.000928	9.02
Reach 2	681008	2 - Year	2276	1171.77	1180.3		1180.43	0.001951	2.91
Reach 2	681008	5 - Year	17683	1171.77	1189.9		1190.44	0.001631	6.1
Reach 2	681008	10 - Year	33217	1171.77	1195.53		1196.18	0.001371	7.06
Reach 2	681008	50 - Year	66201	1171.77	1204.43		1205.33	0.001239	8.66
Reach 2	681008	100 - Year	78092	1171.77	1206.98		1207.76	0.001055	8.47
Reach 2	681008	500 - Year	117435	1171.77	1214.02		1214.6	0.000722	8.04
Reach 2	680583	2 - Year	2276	1169.33	1178.7		1179.02	0.006218	4.51

Reach 2	680583	5 - Year	17683	1169.33	1188.71		1189.47	0.002942	7.32
Reach 2	680583	10 - Year	33217	1169.33	1194.59		1195.41	0.002186	8.11
Reach 2	680583	50 - Year	66201	1169.33	1203.93		1204.72	0.001443	8.62
Reach 2	680583	100 - Year	78092	1169.33	1206.58		1207.25	0.001187	8.31
Reach 2	680583	500 - Year	117435	1169.33	1213.75		1214.27	0.000826	7.97
Reach 2	679955	2 - Year	2276	1166.46	1175.1		1175.5	0.005008	5.08
Reach 2	679955	5 - Year	17683	1166.46	1186.91		1187.73	0.00275	7.58
Reach 2	679955	10 - Year	33217	1166.46	1193.3		1194.19	0.002079	8.42
Reach 2	679955	50 - Year	66201	1166.46	1202.98		1203.9	0.001494	9.21
Reach 2	679955	100 - Year	78092	1166.46	1205.43		1206.44	0.001502	9.72
Reach 2	679955	500 - Year	117435	1166.46	1212.24		1213.47	0.001522	11.1
Reach 2	679601	2 - Year	2276	1165.83	1174.37	1169.56	1174.52	0.001419	3.07
Reach 2	679601	5 - Year	17683	1165.83	1186.08	1177.11	1186.89	0.002071	7.35
Reach 2	679601	10 - Year	33217	1165.83	1192.04	1181.59	1193.31	0.002336	9.53
Reach 2	679601	50 - Year	66201	1165.83	1201.51	1189.06	1203.09	0.002099	11.36
Reach 2	679601	100 - Year	78092	1165.83	1203.92	1191.38	1205.62	0.002111	11.95
Reach 2	679601	500 - Year	117435	1165.83	1210.6	1197.53	1212.62	0.002136	13.51
Reach 2	679135	2 - Year	2276	1162.53	1172.99	1170	1173.34	0.004805	4.76
Reach 2	679135	5 - Year	17683	1162.53	1185.11	1178.31	1185.81	0.002396	7.31
Reach 2	679135	10 - Year	33217	1162.53	1191.18	1182.73	1192.1	0.002177	8.7
Reach 2	679135	50 - Year	66201	1162.53	1200.73	1187.81	1201.99	0.002022	10.71
Reach 2	679135	100 - Year	78092	1162.53	1203.17	1189.54	1204.5	0.001991	11.18
Reach 2	679135	500 - Year	117435	1162.53	1209.74	1193.96	1211.49	0.002235	13.34
Reach 2	678676	2 - Year	2276	1161.37	1172.85		1172.92	0.000288	2.11
Reach 2	678676	5 - Year	17683	1161.37	1184.72		1185.24	0.000655	5.88
Reach 2	678676	10 - Year	33217	1161.37	1190.59		1191.51	0.000851	8.02
Reach 2	678676	50 - Year	66201	1161.37	1199.55		1201.28	0.001109	11.25
Reach 2	678676	100 - Year	78092	1161.37	1201.97		1203.79	0.00111	11.79
Reach 2	678676	500 - Year	117435	1161.37	1208.76		1210.78	0.001097	13.15
Reach 2	678369	2 - Year	2276	1162.44	1172.58		1172.74	0.001086	3.19
Reach 2	678369	5 - Year	17683	1162.44	1184.18		1184.92	0.001107	7.09
Reach 2	678369	10 - Year	33217	1162.44	1189.81		1191.08	0.001359	9.53
Reach 2	678369	50 - Year	66201	1162.44	1199.02		1200.86	0.001381	12.09
Reach 2	678369	100 - Year	78092	1162.44	1201.5		1203.39	0.001341	12.53
Reach 2	678369	500 - Year	117435	1162.44	1208.34		1210.4	0.001282	13.84
Reach 2	678025	2 - Year	2276	1162.33	1172.1		1172.28	0.001586	3.38
Reach 2	678025	5 - Year	17683	1162.33	1183.59		1184.41	0.001887	7.69
Reach 2	678025	10 - Year	33217	1162.33	1189.38		1190.43	0.001882	9.32
Reach 2	678025	50 - Year	66201	1162.33	1198.93		1200.01	0.001466	10.37
Reach 2	678025	100 - Year	78092	1162.33	1201.41		1202.56	0.001455	10.84
Reach 2	678025	500 - Year	117435	1162.33	1208.31		1209.56	0.00138	11.91

Reach 2	677684	2 - Year	2276	1161.17	1171.43		1171.66	0.002001	3.86
Reach 2	677684	5 - Year	17683	1161.17	1182.07		1183.44	0.003234	9.76
Reach 2	677684	10 - Year	33217	1161.17	1187.82		1189.53	0.003072	11.62
Reach 2	677684	50 - Year	66201	1161.17	1197.81		1199.39	0.002133	12.41
Reach 2	677684	100 - Year	78092	1161.17	1200.28		1201.94	0.002104	12.95
Reach 2	677684	500 - Year	117435	1161.17	1207.02		1208.93	0.002098	14.56
Reach 2	677416	2 - Year	2276	1159.04	1171.08		1171.23	0.001093	3.14
Reach 2	677416	5 - Year	17683	1159.04	1181.5		1182.55	0.002355	8.6
Reach 2	677416	10 - Year	33217	1159.04	1187.07		1188.74	0.002787	11.28
Reach 2	677416	50 - Year	66201	1159.04	1196.47		1198.62	0.002554	13.6
Reach 2	677416	100 - Year	78092	1159.04	1198.75		1201.12	0.002652	14.5
Reach 2	677416	500 - Year	117435	1159.04	1205.46		1208.12	0.002582	16.12
Reach 2	677125	2 - Year	2276	1157.97	1170.88		1170.99	0.000601	2.65
Reach 2	677125	5 - Year	17683	1157.97	1180.92		1181.89	0.002039	8.33
Reach 2	677125	10 - Year	33217	1157.97	1186.45		1187.94	0.002405	10.8
Reach 2	677125	50 - Year	66201	1157.97	1195.77		1197.89	0.002447	13.58
Reach 2	677125	100 - Year	78092	1157.97	1198.04		1200.36	0.002531	14.43
Reach 2	677125	500 - Year	117435	1157.97	1204.45		1207.33	0.002706	16.68
Reach 2	676807	2 - Year	2276	1158.07	1170.66		1170.78	0.000729	2.83
Reach 2	676807	5 - Year	17683	1158.07	1180.1		1181.17	0.002445	8.79
Reach 2	676807	10 - Year	33217	1158.07	1185.56		1187.12	0.002722	11.14
Reach 2	676807	50 - Year	66201	1158.07	1195.06		1197.07	0.002485	13.44
Reach 2	676807	100 - Year	78092	1158.07	1197.29		1199.51	0.002574	14.31
Reach 2	676807	500 - Year	117435	1158.07	1203.46		1206.42	0.00292	17.01
Reach 2	676303	2 - Year	2276	1159.66	1169.79		1170.03	0.003424	3.93
Reach 2	676303	5 - Year	17683	1159.66	1178.85		1179.68	0.002837	7.85
Reach 2	676303	10 - Year	33217	1159.66	1184.53		1185.42	0.002147	8.7
Reach 2	676303	50 - Year	66201	1159.66	1194.49		1195.28	0.001274	8.91
Reach 2	676303	100 - Year	78092	1159.66	1196.73		1197.6	0.001293	9.44
Reach 2	676303	500 - Year	117435	1159.66	1202.95		1204.03	0.001341	10.87
Reach 2	675915	2 - Year	2276	1159.74	1168.12		1168.44	0.004859	4.53
Reach 2	675915	5 - Year	17683	1159.74	1178.05		1178.71	0.00232	7.37
Reach 2	675915	10 - Year	33217	1159.74	1184.21		1184.7	0.001321	7.12
Reach 2	675915	50 - Year	66201	1159.74	1194.41		1194.82	0.000735	6.99
Reach 2	675915	100 - Year	78092	1159.74	1196.67		1197.12	0.00075	7.41
Reach 2	675915	500 - Year	117435	1159.74	1202.93		1203.48	0.000783	8.52
Reach 2	675492	2 - Year	2276	1156.18	1165.7		1166.06	0.006527	4.79
Reach 2	675492	5 - Year	17683	1156.18	1177.41		1177.95	0.001668	6.52
Reach 2	675492	10 - Year	33217	1156.18	1183.89		1184.33	0.001026	6.5
Reach 2	675492	50 - Year	66201	1156.18	1194.24		1194.63	0.000634	6.65

Reach 2	675492	100 - Year	78092	1156.18	1196.5		1196.93	0.000662	7.11
Reach 2	675492	500 - Year	117435	1156.18	1202.76		1203.29	0.000698	8.17
Reach 2	674942	2 - Year	2276	1146.66	1165.77		1165.79	0.000056	1.17
Reach 2	674942	5 - Year	17683	1146.66	1177.14		1177.47	0.000385	4.68
Reach 2	674942	10 - Year	33217	1146.66	1183.15		1183.84	0.000612	6.84
Reach 2	674942	50 - Year	66201	1146.66	1192.87		1194.03	0.000783	9.32
Reach 2	674942	100 - Year	78092	1146.66	1194.85		1196.24	0.000892	10.28
Reach 2	674942	500 - Year	117435	1146.66	1200.34		1202.38	0.001177	12.82
Reach 2	674563	2 - Year	2276	1159.1	1165.49		1165.68	0.001802	3.45
Reach 2	674563	5 - Year	17683	1159.1	1176.27		1177.07	0.001639	7.4
Reach 2	674563	10 - Year	33217	1159.1	1181.87		1183.25	0.001926	9.88
Reach 2	674563	50 - Year	66201	1159.1	1190.67		1193.16	0.002251	13.49
Reach 2	674563	100 - Year	78092	1159.1	1192.75		1195.37	0.002259	14.14
Reach 2	674563	500 - Year	117435	1159.1	1198.63		1201.53	0.002247	15.8
Reach 2	674193	2 - Year	2276	1156.01	1164.92		1165.08	0.001393	3.23
Reach 2	674193	5 - Year	17683	1156.01	1175.75		1176.39	0.001357	6.86
Reach 2	674193	10 - Year	33217	1156.01	1181.29		1182.36	0.001594	9.08
Reach 2	674193	50 - Year	66201	1156.01	1190.22		1191.61	0.001491	11.07
Reach 2	674193	100 - Year	78092	1156.01	1192.3		1193.79	0.001526	11.71
Reach 2	674193	500 - Year	117435	1156.01	1198.17		1199.92	0.001574	13.29
Reach 2	673636	2 - Year	2276	1151.34	1164.56		1164.66	0.000415	2.64
Reach 2	673636	5 - Year	17683	1151.34	1174.41		1175.48	0.001485	8.55
Reach 2	673636	10 - Year	33217	1151.34	1179.79		1181.33	0.001694	10.89
Reach 2	673636	50 - Year	66201	1151.34	1188.67		1190.62	0.001615	13.2
Reach 2	673636	100 - Year	78092	1151.34	1190.34		1192.67	0.001827	14.53
Reach 2	673636	500 - Year	117435	1151.34	1194.6		1198.29	0.002582	18.69
Reach 2	673205	2 - Year	2276	1153.34	1164.39		1164.49	0.000395	2.51
Reach 2	673205	5 - Year	17683	1153.34	1173.9		1174.79	0.001327	7.92
Reach 2	673205	10 - Year	33217	1153.34	1179.08		1180.59	0.001681	10.63
Reach 2	673205	50 - Year	66201	1153.34	1186.95		1189.62	0.002128	14.63
Reach 2	673205	100 - Year	78092	1153.34	1188.84		1191.67	0.002179	15.42
Reach 2	673205	500 - Year	117435	1153.34	1193.68		1197.09	0.002421	17.85
Reach 2	672738	2 - Year	2276	1160	1163.76		1164.01	0.004074	4.08
Reach 2	672738	5 - Year	17683	1160	1173.33		1173.95	0.001786	6.84
Reach 2	672738	10 - Year	33217	1160	1178.57		1179.52	0.001794	8.63
Reach 2	672738	50 - Year	66201	1160	1186.79		1188.1	0.001644	10.62
Reach 2	672738	100 - Year	78092	1160	1188.66		1190.12	0.001712	11.35
Reach 2	672738	500 - Year	117435	1160	1193.37		1195.43	0.002056	13.79
Reach 2	672299	2 - Year	2276	1154	1161.81		1162.15	0.004398	4.63
Reach 2	672299	5 - Year	17683	1154	1172.65		1173.15	0.002038	6.74

Reach 2	672299	10 - Year	33217	1154	1178.11		1178.71	0.001802	7.77
Reach 2	672299	50 - Year	66201	1154	1186.46		1187.3	0.001758	9.61
Reach 2	672299	100 - Year	78092	1154	1188.33		1189.29	0.001876	10.34
Reach 2	672299	500 - Year	117435	1154	1193		1194.39	0.002343	12.7
Reach 2	671993	2 - Year	2276	1152	1160.52		1160.86	0.004038	4.64
Reach 2	671993	5 - Year	17683	1152	1171.03		1172.22	0.004144	9.27
Reach 2	671993	10 - Year	33217	1152	1176.6		1177.9	0.003423	10.46
Reach 2	671993	50 - Year	66201	1152	1185.08		1186.56	0.002864	12.1
Reach 2	671993	100 - Year	78092	1152	1186.96		1188.52	0.002879	12.66
Reach 2	671993	500 - Year	117435	1152	1191.76		1193.55	0.00298	14.2
Reach 2	671731	2 - Year	2276	1150	1160.06		1160.22	0.001286	3.26
Reach 2	671731	5 - Year	17683	1150	1170.3		1171.3	0.002536	8.35
Reach 2	671731	10 - Year	33217	1150	1175.93		1177.14	0.002337	9.83
Reach 2	671731	50 - Year	66201	1150	1184.54		1185.91	0.002018	11.44
Reach 2	671731	100 - Year	78092	1150	1186.38		1187.88	0.00211	12.17
Reach 2	671731	500 - Year	117435	1150	1191.16		1192.89	0.002239	13.76
Reach 2	671343	2 - Year	2276	1150	1158.58		1159.07	0.00911	5.62
Reach 2	671343	5 - Year	17683	1150	1169.32		1170.23	0.002995	8.41
Reach 2	671343	10 - Year	33217	1150	1175.23		1176.19	0.002288	9.28
Reach 2	671343	50 - Year	66201	1150	1184.09		1185.08	0.001738	10.33
Reach 2	671343	100 - Year	78092	1150	1185.96		1187	0.001753	10.82
Reach 2	671343	500 - Year	117435	1150	1190.78		1191.94	0.001788	12.04
Reach 2	671065	2 - Year	2276	1148	1158.18		1158.31	0.001052	2.94
Reach 2	671065	5 - Year	17683	1148	1168.69		1169.56	0.002036	7.82
Reach 2	671065	10 - Year	33217	1148	1174.41		1175.59	0.002098	9.64
Reach 2	671065	50 - Year	66201	1148	1183.23		1184.58	0.001859	11.3
Reach 2	671065	100 - Year	78092	1148	1185.09		1186.5	0.001894	11.86
Reach 2	671065	500 - Year	117435	1148	1189.95		1191.45	0.001915	13.05
Reach 2	670714	2 - Year	2276	1149.64	1157.89		1158	0.000718	2.77
Reach 2	670714	5 - Year	17683	1149.64	1168.05		1168.91	0.001651	7.78
Reach 2	670714	10 - Year	33217	1149.64	1173.44		1174.85	0.001995	10.29
Reach 2	670714	50 - Year	66201	1149.64	1181.47		1183.77	0.002351	13.73
Reach 2	670714	100 - Year	78092	1149.64	1183.36		1185.69	0.002334	14.24
Reach 2	670714	500 - Year	117435	1149.64	1187.92		1190.57	0.002541	16.23
Reach 2	670448	2 - Year	2276	1148	1157.78		1157.86	0.000358	2.34
Reach 2	670448	5 - Year	17683	1148	1167.78		1168.53	0.001085	7.19
Reach 2	670448	10 - Year	33217	1148	1173.02		1174.39	0.001456	9.92
Reach 2	670448	50 - Year	66201	1148	1180.45		1183.14	0.00206	14.26
Reach 2	670448	100 - Year	78092	1148	1182.13		1185.03	0.002161	15.14
Reach 2	670448	500 - Year	117435	1148	1186.21		1189.8	0.002553	17.84

Reach 2	670091	2 - Year	2276	1148	1157.62		1157.72	0.000449	2.54
Reach 2	670091	5 - Year	17683	1148	1167.39		1168.12	0.00115	7.26
Reach 2	670091	10 - Year	33217	1148	1172.57		1173.81	0.001457	9.78
Reach 2	670091	50 - Year	66201	1148	1179.75		1182.34	0.002154	14.35
Reach 2	670091	100 - Year	78092	1148	1181.43		1184.18	0.002232	15.16
Reach 2	670091	500 - Year	117435	1148	1185.35		1188.82	0.002682	18
Reach 2	669587	2 - Year	2276	1148	1157.34		1157.44	0.000661	2.63
Reach 2	669587	5 - Year	17683	1148	1166.85		1167.51	0.001155	6.79
Reach 2	669587	10 - Year	33217	1148	1171.95		1173.02	0.001341	8.9
Reach 2	669587	50 - Year	66201	1148	1179.11		1181.06	0.001737	12.4
Reach 2	669587	100 - Year	78092	1148	1180.83		1182.82	0.00173	12.9
Reach 2	669587	500 - Year	117435	1148	1184.87		1187.1	0.001865	14.61
Reach 2	669126	2 - Year	2276	1149.37	1156.58		1156.83	0.003137	4
Reach 2	669126	5 - Year	17683	1149.37	1166.19		1166.79	0.00207	7.09
Reach 2	669126	10 - Year	33217	1149.37	1171.41		1172.16	0.001872	8.33
Reach 2	669126	50 - Year	66201	1149.37	1178.67		1179.82	0.00204	10.77
Reach 2	669126	100 - Year	78092	1149.37	1180.46		1181.59	0.001943	10.98
Reach 2	669126	500 - Year	117435	1149.37	1184.58		1185.77	0.001929	11.99
Reach 2	668802	2 - Year	2276	1148	1153.84		1154.86	0.014275	8.08
Reach 2	668802	5 - Year	17683	1148	1164.38		1165.74	0.005146	10.8
Reach 2	668802	10 - Year	33217	1148	1170.75		1171.51	0.002296	9.34
Reach 2	668802	50 - Year	66201	1148	1178.33		1179.13	0.001815	10.3
Reach 2	668802	100 - Year	78092	1148	1180.12		1180.92	0.001771	10.61
Reach 2	668802	500 - Year	117435	1148	1184.23		1185.11	0.001828	11.77
Reach 2	668532	2 - Year	2276	1146	1152.81		1153.09	0.003093	4.26
Reach 2	668532	5 - Year	17683	1146	1163.82		1164.75	0.00251	8.22
Reach 2	668532	10 - Year	33217	1146	1170.05		1171.02	0.001961	9.13
Reach 2	668532	50 - Year	66201	1146	1178		1178.8	0.001387	9.46
Reach 2	668532	100 - Year	78092	1146	1179.72		1180.58	0.001444	10.03
Reach 2	668532	500 - Year	117435	1146	1183.7		1184.73	0.001638	11.57
Reach 2	668199	2 - Year	2251	1146	1151.27		1151.7	0.005795	5.26
Reach 2	668199	5 - Year	17489	1146	1162.79		1163.86	0.002887	8.6
Reach 2	668199	10 - Year	32595	1146	1169.42		1170.41	0.001951	9.05
Reach 2	668199	50 - Year	65405	1146	1177.74		1178.39	0.001158	8.69
Reach 2	668199	100 - Year	77354	1146	1179.51		1180.16	0.001125	8.9
Reach 2	668199	500 - Year	116975	1146	1183.5		1184.26	0.00125	10.16
Reach 2	667764	2 - Year	2251	1142	1150.37		1150.59	0.001308	3.74
Reach 2	667764	5 - Year	17489	1142	1161.24		1162.62	0.002764	9.57
Reach 2	667764	10 - Year	32595	1142	1167.03		1169.28	0.003109	12.48
Reach 2	667764	50 - Year	65405	1142	1176.79		1177.89	0.001424	10.83
Reach 2	667764	100 - Year	77354	1142	1178.72		1179.71	0.001297	10.75

Reach 2	667764	500 - Year	116975	1142	1182.82		1183.82	0.001314	11.69
Reach 2	667337	2 - Year	2251	1138.19	1150.01		1150.16	0.000747	3.08
Reach 2	667337	5 - Year	17489	1138.19	1160.71		1161.66	0.001472	8
Reach 2	667337	10 - Year	32595	1138.19	1166.62		1168.15	0.001641	10.38
Reach 2	667337	50 - Year	65405	1138.19	1175.6		1177.3	0.001413	12.08
Reach 2	667337	100 - Year	77354	1138.19	1177.79		1179.21	0.001216	11.73
Reach 2	667337	500 - Year	116975	1138.19	1181.97		1183.34	0.001214	12.68
Reach 2	666966	2 - Year	2251	1140.06	1149.72		1149.86	0.000852	3.06
Reach 2	666966	5 - Year	17489	1140.06	1160.22		1161.11	0.001416	7.66
Reach 2	666966	10 - Year	32595	1140.06	1166.1		1167.53	0.00155	9.93
Reach 2	666966	50 - Year	65405	1140.06	1175.25		1176.78	0.001263	11.35
Reach 2	666966	100 - Year	77354	1140.06	1177.51		1178.77	0.001071	10.96
Reach 2	666966	500 - Year	116975	1140.06	1181.68		1182.92	0.001074	11.89
Reach 2	666532	2 - Year	2251	1141.38	1149.05		1149.29	0.002182	3.92
Reach 2	666532	5 - Year	17489	1141.38	1159.72		1160.47	0.001379	7.19
Reach 2	666532	10 - Year	32595	1141.38	1165.73		1166.83	0.001335	8.93
Reach 2	666532	50 - Year	65405	1141.38	1175.01		1176.23	0.001072	10.29
Reach 2	666532	100 - Year	77354	1141.38	1177.32		1178.32	0.000901	9.92
Reach 2	666532	500 - Year	116975	1141.38	1181.54		1182.49	0.000868	10.58
Reach 2	666278	2 - Year	2251	1141.02	1148.42		1148.65	0.002896	3.87
Reach 2	666278	5 - Year	17489	1141.02	1159.47		1160.1	0.00113	6.48
Reach 2	666278	10 - Year	32595	1141.02	1165.5		1166.45	0.001103	8.1
Reach 2	666278	50 - Year	65405	1141.02	1174.88		1175.89	0.000853	9.18
Reach 2	666278	100 - Year	77354	1141.02	1177.21		1178.05	0.000715	8.84
Reach 2	666278	500 - Year	116975	1141.02	1181.42		1182.25	0.00072	9.63
Reach 2	665916	2 - Year	2251	1139.11	1147.68		1147.87	0.001597	3.54
Reach 2	665916	5 - Year	17489	1139.11	1159.08		1159.7	0.00105	6.63
Reach 2	665916	10 - Year	32595	1139.11	1165.19		1166.01	0.00098	7.98
Reach 2	665916	50 - Year	65405	1139.11	1174.7		1175.5	0.000727	8.77
Reach 2	665916	100 - Year	77354	1139.11	1177.06		1177.72	0.000609	8.42
Reach 2	665916	500 - Year	116975	1139.11	1181.26		1181.93	0.000627	9.25
Reach 2	665545	2 - Year	2251	1139.24	1147.11		1147.3	0.001452	3.5
Reach 2	665545	5 - Year	17489	1139.24	1158.26		1159.17	0.00141	7.76
Reach 2	665545	10 - Year	32595	1139.24	1164.29		1165.49	0.001352	9.41
Reach 2	665545	50 - Year	65405	1139.24	1173.66		1175.03	0.001144	10.99
Reach 2	665545	100 - Year	77354	1139.24	1176.24		1177.35	0.000943	10.52
Reach 2	665545	500 - Year	116975	1139.24	1180.6		1181.62	0.0009	11.14
Reach 2	665326	2 - Year	2251	1138.32	1146.91		1147.05	0.000788	3.1
Reach 2	665326	5 - Year	17489	1138.32	1158.09		1158.8	0.001119	7.3
Reach 2	665326	10 - Year	32595	1138.32	1164		1165.19	0.001329	9.67

Reach 2	665326	50 - Year	65405	1138.32	1172.79		1174.62	0.001484	12.65
Reach 2	665326	100 - Year	77354	1138.32	1175.03		1176.88	0.001465	13.14
Reach 2	665326	500 - Year	116975	1138.32	1179.88		1181.28	0.001206	13.02
Reach 2	665186	2 - Year	2251	1137.22	1146.86		1146.94	0.00041	2.24
Reach 2	665186	5 - Year	17489	1137.22	1158.06		1158.58	0.00074	5.94
Reach 2	665186	10 - Year	32595	1137.22	1164.01		1164.89	0.000881	7.87
Reach 2	665186	50 - Year	65405	1137.22	1172.74		1174.32	0.001102	10.88
Reach 2	665186	100 - Year	77354	1137.22	1175.02		1176.55	0.001049	11.11
Reach 2	665186	500 - Year	116975	1137.22	1179.35		1181.03	0.001149	12.58
Reach 2	664860	2 - Year	2251	1136	1146.74		1146.82	0.000315	2.32
Reach 2	664860	5 - Year	17489	1136	1157.61		1158.27	0.000885	6.87
Reach 2	664860	10 - Year	32595	1136	1163.4		1164.5	0.001099	9.14
Reach 2	664860	50 - Year	65405	1136	1171.4		1173.68	0.001628	13.42
Reach 2	664860	100 - Year	77354	1136	1173.07		1175.76	0.00184	14.75
Reach 2	664860	500 - Year	116975	1136	1177.41		1180.22	0.001951	16.44
Reach 2	664659	2 - Year	2251	1135.38	1146.61		1146.72	0.000691	2.75
Reach 2	664659	5 - Year	17489	1135.38	1157.25		1158.02	0.00143	7.44
Reach 2	664659	10 - Year	32595	1135.38	1163.13		1164.25	0.001527	9.34
Reach 2	664659	50 - Year	65405	1135.38	1171.09		1173.26	0.002112	13.36
Reach 2	664659	100 - Year	77354	1135.38	1172.34		1175.27	0.002676	15.44
Reach 2	664659	500 - Year	116975	1135.38	1176.05	1165.95	1179.55	0.00319	18.11
Reach 2	664552	2 - Year	2251	1137.86	1146.53		1146.65	0.000708	2.77
Reach 2	664552	5 - Year	17489	1137.86	1157.16		1157.75	0.000969	6.56
Reach 2	664552	10 - Year	32595	1137.86	1163.05		1163.92	0.001013	8.24
Reach 2	664552	50 - Year	65405	1137.86	1171.02		1172.69	0.001357	11.71
Reach 2	664552	100 - Year	77354	1137.86	1172.21		1174.65	0.001814	13.89
Reach 2	664552	500 - Year	116975	1137.86	1175.99		1178.52	0.001931	15.46
Reach 2	664425	2 - Year	2251	1138.71	1146.27		1146.49	0.001562	3.8
Reach 2	664425	5 - Year	17489	1138.71	1156.8		1157.56	0.001429	7.72
Reach 2	664425	10 - Year	32595	1138.71	1162.74		1163.74	0.001335	9.26
Reach 2	664425	50 - Year	65405	1138.71	1170.82		1172.51	0.001606	12.57
Reach 2	664425	100 - Year	77354	1138.71	1172.01		1174.37	0.002083	14.69
Reach 2	664425	500 - Year	116975	1138.71	1175.93		1178.1	0.002008	15.63
Reach 2	664273	2 - Year	2251	1139.03	1146.02		1146.24	0.00168	3.83
Reach 2	664273	5 - Year	17489	1139.03	1156.67		1157.29	0.001205	7.08
Reach 2	664273	10 - Year	32595	1139.03	1162.61		1163.49	0.001205	8.79
Reach 2	664273	50 - Year	65405	1139.03	1170.98		1171.96	0.001039	10.18
Reach 2	664273	100 - Year	77354	1139.03	1172.42		1173.5	0.00113	10.95
Reach 2	664273	500 - Year	116975	1139.03	1176.01		1177.5	0.001472	13.44
Reach 2	664099	2 - Year	2251	1137.25	1145.73		1145.96	0.001551	3.86

Reach 2	664099	5 - Year	17489	1137.25	1156.23		1156.99	0.00177	8.05
Reach 2	664099	10 - Year	32595	1137.25	1162.34		1163.25	0.001586	9.4
Reach 2	664099	50 - Year	65405	1137.25	1170.85		1171.72	0.00125	10.31
Reach 2	664099	100 - Year	77354	1137.25	1172.29		1173.23	0.001329	10.96
Reach 2	664099	500 - Year	116975	1137.25	1176.02		1177.01	0.001427	12.21
Reach 2	663896	2 - Year	2251	1136.93	1145.02		1145.43	0.003853	5.15
Reach 2	663896	5 - Year	17489	1136.93	1155.54		1156.51	0.00252	8.99
Reach 2	663896	10 - Year	32595	1136.93	1161.97		1162.9	0.001798	9.63
Reach 2	663896	50 - Year	65405	1136.93	1170.74		1171.36	0.001042	9.21
Reach 2	663896	100 - Year	77354	1136.93	1172.18		1172.84	0.001103	9.77
Reach 2	663896	500 - Year	116975	1136.93	1175.88		1176.62	0.001206	10.99
Reach 2	663748	2 - Year	2251	1136.44	1144.78		1145.01	0.001437	3.82
Reach 2	663748	5 - Year	17489	1136.44	1155.16		1156.18	0.00179	8.72
Reach 2	663748	10 - Year	32595	1136.44	1161.63		1162.65	0.001347	9.51
Reach 2	663748	50 - Year	65405	1136.44	1170.52		1171.21	0.00081	9.23
Reach 2	663748	100 - Year	77354	1136.44	1172.02		1172.71	0.000814	9.54
Reach 2	663748	500 - Year	116975	1136.44	1175.68		1176.46	0.000925	10.92
Reach 2	663539	2 - Year	2251	1136.63	1144.33		1144.61	0.002423	4.26
Reach 2	663539	5 - Year	17489	1136.63	1154.96		1155.71	0.001497	7.68
Reach 2	663539	10 - Year	32595	1136.63	1161.5		1162.29	0.001125	8.47
Reach 2	663539	50 - Year	65405	1136.63	1170.43		1171.01	0.000712	8.5
Reach 2	663539	100 - Year	77354	1136.63	1171.93		1172.5	0.000706	8.74
Reach 2	663539	500 - Year	116975	1136.63	1175.58		1176.23	0.000796	9.98
Reach 2	663227	2 - Year	2251	1135.66	1144.02		1144.14	0.000765	2.73
Reach 2	663227	5 - Year	17489	1135.66	1154.71		1155.27	0.000924	6.31
Reach 2	663227	10 - Year	32595	1135.66	1161.31		1161.94	0.000755	7.19
Reach 2	663227	50 - Year	65405	1135.66	1170.32		1170.79	0.000489	7.25
Reach 2	663227	100 - Year	77354	1135.66	1171.82		1172.29	0.0005	7.55
Reach 2	663227	500 - Year	116975	1135.66	1175.45		1175.99	0.000566	8.62
Reach 2	662706	2 - Year	2251	1131.83	1143.57		1143.73	0.000729	3.21
Reach 2	662706	5 - Year	17489	1131.83	1152.78		1154.27	0.002378	10.11
Reach 2	662706	10 - Year	32595	1131.83	1158.44		1160.78	0.002675	13.08
Reach 2	662706	50 - Year	65405	1131.83	1166.64	1160.44	1169.58	0.002622	16.01
Reach 2	662706	100 - Year	77354	1131.83	1170.03		1171.58	0.001524	13.1
Reach 2	662706	500 - Year	116975	1131.83	1173.93		1175.33	0.001468	13.84
Reach 2	662323	2 - Year	2251	1132.5	1143.41		1143.48	0.000346	2.19
Reach 2	662323	5 - Year	17489	1132.5	1152.34		1153.03	0.001121	6.91
Reach 2	662323	10 - Year	32595	1132.5	1157.98		1159.17	0.001311	9.17
Reach 2	662323	50 - Year	65405	1132.5	1165.91	1154.1	1168.37	0.001811	13.3
Reach 2	662323	100 - Year	77354	1132.5	1168.7	1155.95	1170.76	0.001493	12.83
Reach 2	662323	500 - Year	116975	1132.5	1171.72		1174.17	0.001837	15.11

Reach 2	661986	2 - Year	2251	1132.93	1143.3		1143.37	0.000285	2.17
Reach 2	661986	5 - Year	17489	1132.93	1151.72		1152.57	0.001324	7.64
Reach 2	661986	10 - Year	32595	1132.93	1157.1		1158.59	0.00163	10.27
Reach 2	661986	50 - Year	65405	1132.93	1164.65	1154.69	1167.56	0.002231	14.68
Reach 2	661986	100 - Year	77354	1132.93	1166.45	1156.55	1169.76	0.002405	15.86
Reach 2	661986	500 - Year	116975	1132.93	1170.3		1173.33	0.002343	16.93
Reach 2	661704	2 - Year	2251	1131.63	1143.24		1143.3	0.000204	1.9
Reach 2	661704	5 - Year	17489	1131.63	1151.45		1152.17	0.001087	6.98
Reach 2	661704	10 - Year	32595	1131.63	1156.79		1158.06	0.001369	9.45
Reach 2	661704	50 - Year	65405	1131.63	1164.06	1153.33	1166.93	0.002109	14.23
Reach 2	661704	100 - Year	77354	1131.63	1165.92	1155.3	1169.01	0.00219	15.11
Reach 2	661704	500 - Year	116975	1131.63	1169.72		1172.64	0.002184	16.3
Reach 2	661449	2 - Year	2251	1130.72	1143.2		1143.25	0.000183	1.82
Reach 2	661449	5 - Year	17489	1130.72	1151.2		1151.88	0.001035	6.77
Reach 2	661449	10 - Year	32595	1130.72	1156.49		1157.68	0.001302	9.16
Reach 2	661449	50 - Year	65405	1130.72	1163.83		1166.18	0.001819	13.17
Reach 2	661449	100 - Year	77354	1130.72	1165.5	1154.65	1168.35	0.002077	14.6
Reach 2	661449	500 - Year	116975	1130.72	1169.26		1172.04	0.002117	15.93
Reach 2	661196	2 - Year	2251	1132.35	1143.15		1143.2	0.000186	1.74
Reach 2	661196	5 - Year	17489	1132.35	1150.97		1151.59	0.000995	6.44
Reach 2	661196	10 - Year	32595	1132.35	1156.21		1157.32	0.001236	8.72
Reach 2	661196	50 - Year	65405	1132.35	1163.53	1152.07	1165.61	0.001639	12.28
Reach 2	661196	100 - Year	77354	1132.35	1165.21	1153.98	1167.66	0.001823	13.46
Reach 2	661196	500 - Year	116975	1132.35	1169		1171.33	0.001811	14.53
Reach 2	660680	2 - Year	2251	1130.97	1143.04		1143.09	0.000236	1.86
Reach 2	660680	5 - Year	17489	1130.97	1150.38		1151.03	0.001177	6.67
Reach 2	660680	10 - Year	32595	1130.97	1155.55		1156.65	0.001369	8.82
Reach 2	660680	50 - Year	65405	1130.97	1162.85		1164.64	0.001601	11.79
Reach 2	660680	100 - Year	77354	1130.97	1164.39	1153.78	1166.61	0.001854	13.16
Reach 2	660680	500 - Year	116975	1130.97	1168.61		1170.11	0.001405	12.57
Reach 2	660198	2 - Year	2437	1128.82	1142.95		1142.99	0.000165	1.62
Reach 2	660198	5 - Year	18938	1128.82	1149.79		1150.43	0.001289	6.63
Reach 2	660198	10 - Year	35243	1128.82	1154.64		1155.87	0.001761	9.27
Reach 2	660198	50 - Year	71083	1128.82	1162.75		1163.54	0.001059	8.98
Reach 2	660198	100 - Year	84314	1128.82	1164.56		1165.25	0.000952	8.87
Reach 2	660198	500 - Year	125545	1128.82	1168.63		1169.16	0.000781	8.74
Reach 2	659597	2 - Year	2437	1135.63	1142.16		1142.57	0.008977	5.8
Reach 2	659597	5 - Year	18938	1135.63	1148.56		1149.14	0.004275	7.96
Reach 2	659597	10 - Year	35243	1135.63	1153.64		1154.27	0.002865	8.64
Reach 2	659597	50 - Year	71083	1135.63	1162.3		1162.64	0.001302	7.92

Reach 2	659597	100 - Year	84314	1135.63	1164.08		1164.43	0.001358	8.5
Reach 2	659597	500 - Year	125545	1135.63	1168.31		1168.55	0.000843	7.42
Reach 2	659127	2 - Year	2437	1132.47	1139.47		1139.69	0.004824	4.38
Reach 2	659127	5 - Year	18938	1132.47	1147.44		1147.77	0.002255	6.36
Reach 2	659127	10 - Year	35243	1132.47	1153.03		1153.33	0.00133	6.4
Reach 2	659127	50 - Year	71083	1132.47	1161.86		1162.13	0.00093	7.09
Reach 2	659127	100 - Year	84314	1132.47	1163.67		1163.92	0.000845	7.07
Reach 2	659127	500 - Year	125545	1132.47	1167.97		1168.21	0.000733	7.25
Reach 2	658492	2 - Year	2437	1129.5	1136.4		1136.67	0.004904	4.61
Reach 2	658492	5 - Year	18938	1129.5	1146.64		1146.84	0.000975	4.69
Reach 2	658492	10 - Year	35243	1129.5	1152.47		1152.71	0.000764	5.3
Reach 2	658492	50 - Year	71083	1129.5	1161.33		1161.64	0.000706	6.56
Reach 2	658492	100 - Year	84314	1129.5	1163.16		1163.47	0.000677	6.7
Reach 2	658492	500 - Year	125545	1129.5	1167.47		1167.79	0.00067	7.3
Reach 2	658049	2 - Year	2437	1123.86	1135.52		1135.62	0.001219	2.53
Reach 2	658049	5 - Year	18938	1123.86	1145.86		1146.3	0.001217	5.54
Reach 2	658049	10 - Year	35243	1123.86	1151.53		1152.19	0.001231	6.92
Reach 2	658049	50 - Year	71083	1123.86	1160.18		1161.09	0.001212	8.68
Reach 2	658049	100 - Year	84314	1123.86	1162.19		1162.98	0.001072	8.54
Reach 2	658049	500 - Year	125545	1123.86	1166.64		1167.36	0.000968	8.86
Reach 2	657678	2 - Year	2437	1120.65	1135.39		1135.44	0.000216	1.7
Reach 2	657678	5 - Year	18938	1120.65	1145.35		1145.87	0.001012	5.95
Reach 2	657678	10 - Year	35243	1120.65	1150.65		1151.62	0.001391	8.23
Reach 2	657678	50 - Year	71083	1120.65	1158.63		1160.33	0.001828	11.41
Reach 2	657678	100 - Year	84314	1120.65	1160.78		1162.3	0.001664	11.36
Reach 2	657678	500 - Year	125545	1120.65	1165.93		1166.91	0.001178	10.5
Reach 2	657346	2 - Year	2437	1121.13	1135.29		1135.34	0.000357	1.91
Reach 2	657346	5 - Year	18938	1121.13	1145.01		1145.51	0.001117	5.83
Reach 2	657346	10 - Year	35243	1121.13	1150.24		1151.1	0.001407	7.84
Reach 2	657346	50 - Year	71083	1121.13	1158.04		1159.69	0.001903	11.16
Reach 2	657346	100 - Year	84314	1121.13	1160.29		1161.7	0.001643	10.89
Reach 2	657346	500 - Year	125545	1121.13	1165.61		1166.49	0.001104	9.89
Reach 2	657027	2 - Year	2437	1121.74	1135.21		1135.25	0.000217	1.64
Reach 2	657027	5 - Year	18938	1121.74	1144.66		1145.17	0.001016	5.77
Reach 2	657027	10 - Year	35243	1121.74	1149.68		1150.64	0.001429	8.09
Reach 2	657027	50 - Year	71083	1121.74	1157.28		1158.92	0.001819	11.06
Reach 2	657027	100 - Year	84314	1121.74	1159.41		1161.13	0.001834	11.62
Reach 2	657027	500 - Year	125545	1121.74	1164.86		1166.08	0.001362	11.11
Reach 2	656788	2 - Year	2437	1126	1135.1		1135.17	0.000503	2.21
Reach 2	656788	5 - Year	18938	1126	1144.03		1144.82	0.001854	7.26

Reach 2	656788	10 - Year	35243	1126	1148.84		1150.18	0.002333	9.71
Reach 2	656788	50 - Year	71083	1126	1156.34		1158.37	0.002634	12.68
Reach 2	656788	100 - Year	84314	1126	1158.53		1160.58	0.002564	13.15
Reach 2	656788	500 - Year	125545	1126	1164.57		1165.71	0.001512	11.39
Reach 2	656385	2 - Year	2437	1130.21	1133.13	1133.13	1134.22	0.034895	8.4
Reach 2	656385	5 - Year	18938	1130.21	1142.89		1143.78	0.003706	8.42
Reach 2	656385	10 - Year	35243	1130.21	1148.09		1148.98	0.002615	9.04
Reach 2	656385	50 - Year	71083	1130.21	1156.21		1156.92	0.0016	9.19
Reach 2	656385	100 - Year	84314	1130.21	1158.57		1159.16	0.001294	8.78
Reach 2	656385	500 - Year	125545	1130.21	1164.47		1164.91	0.000923	8.45
Reach 2	656028	2 - Year	2428	1121.44	1131.64		1131.81	0.001821	3.28
Reach 2	656028	5 - Year	18867	1121.44	1142.36		1142.9	0.001493	6.42
Reach 2	656028	10 - Year	35027	1121.44	1147.66		1148.32	0.001403	7.57
Reach 2	656028	50 - Year	70813	1121.44	1155.32		1156.35	0.001601	9.97
Reach 2	656028	100 - Year	84100	1121.44	1157.64		1158.63	0.001477	10.09
Reach 2	656028	500 - Year	125213	1121.44	1162.4		1164.11	0.002129	13.33
Reach 2	655678	2 - Year	2428	1118.47	1131.25		1131.37	0.000835	2.81
Reach 2	655678	5 - Year	18867	1118.47	1141.26		1142.18	0.002186	7.91
Reach 2	655678	10 - Year	35027	1118.47	1146.16		1147.51	0.002485	10.08
Reach 2	655678	50 - Year	70813	1118.47	1153.43		1155.42	0.002781	13.01
Reach 2	655678	100 - Year	84100	1118.47	1155.39		1157.63	0.002957	14.03
Reach 2	655678	500 - Year	125213	1118.47	1160.96		1163.22	0.002691	14.98
Reach 2	655187	2 - Year	2428	1118.67	1130.64		1130.79	0.001771	3.11
Reach 2	655187	5 - Year	18867	1118.67	1140.58		1141.22	0.001485	6.55
Reach 2	655187	10 - Year	35027	1118.67	1145.25		1146.4	0.001857	8.89
Reach 2	655187	50 - Year	70813	1118.67	1152.06		1154.14	0.002363	12.35
Reach 2	655187	100 - Year	84100	1118.67	1153.87		1156.27	0.002528	13.37
Reach 2	655187	500 - Year	125213	1118.67	1158.6		1161.76	0.002863	15.84
Reach 2	654970	2 - Year	2428	1117.23	1130.45		1130.53	0.000753	2.33
Reach 2	654970	5 - Year	18867	1117.23	1140.41		1140.91	0.001049	5.75
Reach 2	654970	10 - Year	35027	1117.23	1145.06		1145.99	0.001391	7.94
Reach 2	654970	50 - Year	70813	1117.23	1151.83		1153.59	0.001871	11.23
Reach 2	654970	100 - Year	84100	1117.23	1153.56		1155.69	0.002101	12.42
Reach 2	654970	500 - Year	125213	1117.23	1158.31		1161.08	0.002376	14.67
Reach 2	654689	2 - Year	2428	1121.98	1130.25		1130.34	0.000627	2.34
Reach 2	654689	5 - Year	18867	1121.98	1139.99		1140.58	0.0012	6.33
Reach 2	654689	10 - Year	35027	1121.98	1144.46		1145.55	0.001626	8.74
Reach 2	654689	50 - Year	70813	1121.98	1151		1153	0.002191	12.27
Reach 2	654689	100 - Year	84100	1121.98	1152.69		1155.04	0.002418	13.43
Reach 2	654689	500 - Year	125213	1121.98	1157.25		1160.33	0.002785	15.93

Reach 2	654396	2 - Year	2428	1124.42	1128.78	1128.61	1129.71	0.02273	7.76
Reach 2	654396	5 - Year	18867	1124.42	1139.24		1140.07	0.00248	7.84
Reach 2	654396	10 - Year	35027	1124.42	1143.69		1144.94	0.002622	9.92
Reach 2	654396	50 - Year	70813	1124.42	1150.18		1152.24	0.003046	13.3
Reach 2	654396	100 - Year	84100	1124.42	1151.96		1154.21	0.003105	14.11
Reach 2	654396	500 - Year	125213	1124.42	1156.22		1159.39	0.003734	17.19
Reach 2	653886	2 - Year	2428	1120	1127.84	1123.42	1127.97	0.000956	2.85
Reach 2	653886	5 - Year	18867	1120	1138.46	1130.31	1139.09	0.001303	6.46
Reach 2	653886	10 - Year	35027	1120	1142.63	1133.87	1143.83	0.001847	9.07
Reach 2	653886	50 - Year	70813	1120	1148.45	1140.01	1150.76	0.002668	13.01
Reach 2	653886	100 - Year	84100	1120	1150.36	1142.18	1152.87	0.002727	13.82
Reach 2	653886	500 - Year	125213	1120	1155.29	1148.19	1157.51	0.002323	14.27
Reach 2	653370	2 - Year	2428	1110.32	1127.76	1114.27	1127.78	0.000079	1.19
Reach 2	653370	5 - Year	18867	1110.32	1138.12	1122.33	1138.45	0.000524	4.69
Reach 2	653370	10 - Year	35027	1110.32	1142.06	1126.85	1142.79	0.000957	7.08
Reach 2	653370	50 - Year	70813	1110.32	1147.52	1133.55	1149.08	0.001705	10.76
Reach 2	653370	100 - Year	84100	1110.32	1149.37	1135.75	1151.14	0.001855	11.66
Reach 2	653370	500 - Year	125213	1110.32	1154.68	1143.06	1155.76	0.001255	10.6
Reach 2	652765	2 - Year	2436	1116.95	1127.58		1127.66	0.000568	2.3
Reach 2	652765	5 - Year	18930	1116.95	1137.16		1137.84	0.001596	6.87
Reach 2	652765	10 - Year	35046	1116.95	1140.93		1141.94	0.002035	8.91
Reach 2	652765	50 - Year	71092	1116.95	1146.65		1147.88	0.002179	10.9
Reach 2	652765	100 - Year	84504	1116.95	1148.52		1149.83	0.002214	11.52
Reach 2	652765	500 - Year	125697	1116.95	1153.96		1154.99	0.001649	11.2
Reach 2	652053	2 - Year	2436	1120.08	1124.66	1124.66	1126.02	0.032407	9.35
Reach 2	652053	5 - Year	18930	1120.08	1134.75		1135.95	0.004942	9.38
Reach 2	652053	10 - Year	35046	1120.08	1139.34		1140.4	0.003354	9.74
Reach 2	652053	50 - Year	71092	1120.08	1145.76		1146.6	0.002192	9.91
Reach 2	652053	100 - Year	84504	1120.08	1147.75		1148.57	0.001988	10
Reach 2	652053	500 - Year	125697	1120.08	1153.5		1154.13	0.001328	9.43
Reach 2	651126	2 - Year	2436	1111.08	1120.86		1121.03	0.001238	3.32
Reach 2	651126	5 - Year	18930	1111.08	1131.82		1132.76	0.002581	7.95
Reach 2	651126	10 - Year	35046	1111.08	1136.7		1137.95	0.002613	9.72
Reach 2	651126	50 - Year	71092	1111.08	1143.64		1144.93	0.002251	11.07
Reach 2	651126	100 - Year	84504	1111.08	1146.11		1147.22	0.001875	10.72
Reach 2	651126	500 - Year	125697	1111.08	1152.47		1153.3	0.001282	10.13
Reach 2	650581	2 - Year	2436	1108.75	1119.91		1120.17	0.001941	4.1
Reach 2	650581	5 - Year	18930	1108.75	1129.51		1130.89	0.004296	9.93
Reach 2	650581	10 - Year	35046	1108.75	1134.42		1136.14	0.00411	11.87
Reach 2	650581	50 - Year	71092	1108.75	1142.59		1143.77	0.002332	11.37
Reach 2	650581	100 - Year	84504	1108.75	1145.07		1146.24	0.002145	11.56

Reach 2	650581	500 - Year	125697	1108.75	1151.5		1152.54	0.001664	11.61
Reach 2	650271	2 - Year	2436	1109.97	1119.3		1119.5	0.002207	3.58
Reach 2	650271	5 - Year	18930	1109.97	1128.91		1129.63	0.002356	7.02
Reach 2	650271	10 - Year	35046	1109.97	1133.9		1134.93	0.002288	8.65
Reach 2	650271	50 - Year	71092	1109.97	1142.16		1143.19	0.001647	9.5
Reach 2	650271	100 - Year	84504	1109.97	1144.64		1145.74	0.001601	9.95
Reach 2	650271	500 - Year	125697	1109.97	1151		1152.14	0.001397	10.65
Reach 2	649916	2 - Year	2436	1106.34	1119.12		1119.19	0.000325	2.05
Reach 2	649916	5 - Year	18930	1106.34	1128.31		1129.01	0.001314	6.78
Reach 2	649916	10 - Year	35046	1106.34	1133.04		1134.21	0.001667	9.07
Reach 2	649916	50 - Year	71092	1106.34	1140.49		1142.33	0.001947	12.01
Reach 2	649916	100 - Year	84504	1106.34	1142.79		1144.83	0.002006	12.84
Reach 2	649916	500 - Year	125697	1106.34	1149.03		1151.26	0.001898	14.13
Reach 2	649601	2 - Year	2436	1104.33	1119		1119.07	0.000418	2.12
Reach 2	649601	5 - Year	18930	1104.33	1127.95		1128.55	0.001267	6.35
Reach 2	649601	10 - Year	35046	1104.33	1132.61		1133.63	0.001579	8.49
Reach 2	649601	50 - Year	71092	1104.33	1139.98		1141.66	0.001856	11.38
Reach 2	649601	100 - Year	84504	1104.33	1142.08		1144.18	0.002093	12.7
Reach 2	649601	500 - Year	125697	1104.33	1148.05		1150.55	0.002108	14.43
Reach 2	649322	2 - Year	2436	1103.45	1118.87		1118.95	0.000451	2.3
Reach 2	649322	5 - Year	18930	1103.45	1127.61		1128.18	0.001263	6.57
Reach 2	649322	10 - Year	35046	1103.45	1132.21		1133.14	0.00158	8.71
Reach 2	649322	50 - Year	71092	1103.45	1139.55		1141.05	0.001849	11.56
Reach 2	649322	100 - Year	84504	1103.45	1141.77		1143.38	0.001853	12.18
Reach 2	649322	500 - Year	125697	1103.45	1147.75		1149.74	0.00194	14.07
Reach 2	649016	2 - Year	2436	1102.83	1118.8		1118.85	0.000185	1.77
Reach 2	649016	5 - Year	18930	1102.83	1127.28		1127.83	0.000993	6.31
Reach 2	649016	10 - Year	35046	1102.83	1131.64		1132.66	0.001451	8.83
Reach 2	649016	50 - Year	71092	1102.83	1138.39		1140.39	0.002131	12.76
Reach 2	649016	100 - Year	84504	1102.83	1140.49		1142.7	0.002215	13.64
Reach 2	649016	500 - Year	125697	1102.83	1146.52		1149.05	0.002203	15.31
Reach 2	648606	2 - Year	2436	1112	1118.61		1118.71	0.00074	2.53
Reach 2	648606	5 - Year	18930	1112	1126.42		1127.24	0.002034	7.53
Reach 2	648606	10 - Year	35046	1112	1130.42		1131.84	0.002616	10.17
Reach 2	648606	50 - Year	71092	1112	1137.03		1139.34	0.00301	13.53
Reach 2	648606	100 - Year	84504	1112	1139.04		1141.61	0.003079	14.44
Reach 2	648606	500 - Year	125697	1112	1145.16		1148.02	0.002814	15.89
Reach 2	648272	2 - Year	2436	1110.04	1118.45		1118.51	0.000428	1.93
Reach 2	648272	5 - Year	18930	1110.04	1126.01		1126.55	0.001368	6.11
Reach 2	648272	10 - Year	35046	1110.04	1129.92		1130.91	0.001807	8.36

Reach 2	648272	50 - Year	71092	1110.04	1136.49		1138.2	0.002153	11.34
Reach 2	648272	100 - Year	84504	1110.04	1138.5		1140.43	0.002228	12.18
Reach 2	648272	500 - Year	125697	1110.04	1144.77		1146.86	0.001965	13.23
Reach 2	647872	2 - Year	2436	1109.24	1118.26		1118.33	0.000442	2.16
Reach 2	647872	5 - Year	18930	1109.24	1125.17		1125.9	0.00191	7.3
Reach 2	647872	10 - Year	35046	1109.24	1128.96		1130.09	0.002317	9.5
Reach 2	647872	50 - Year	71092	1109.24	1135.64		1137.29	0.002432	12.11
Reach 2	647872	100 - Year	84504	1109.24	1137.73		1139.48	0.002395	12.71
Reach 2	647872	500 - Year	125697	1109.24	1144.5		1145.98	0.001706	12.53
Reach 2	647469	2 - Year	2436	1114	1117.88		1118	0.0019	2.79
Reach 2	647469	5 - Year	18930	1114	1124.29		1124.93	0.002955	6.84
Reach 2	647469	10 - Year	35046	1114	1128.11		1129	0.002848	8.32
Reach 2	647469	50 - Year	71092	1114	1134.96		1136.18	0.002492	10.17
Reach 2	647469	100 - Year	84504	1114	1137.05		1138.39	0.002457	10.77
Reach 2	647469	500 - Year	125697	1114	1143.89		1145.23	0.00189	11.25
Reach 2	647114	2 - Year	2436	1109.96	1116.73		1116.94	0.005515	3.97
Reach 2	647114	5 - Year	18930	1109.96	1123.37		1123.82	0.003267	6.47
Reach 2	647114	10 - Year	35046	1109.96	1127.28		1127.93	0.003049	7.82
Reach 2	647114	50 - Year	71092	1109.96	1134.32		1135.23	0.002632	9.57
Reach 2	647114	100 - Year	84504	1109.96	1136.45		1137.44	0.00257	10.09
Reach 2	647114	500 - Year	125697	1109.96	1143.18		1144.44	0.002644	12.16
Reach 2	646718	2 - Year	2436	1105.21	1115.49		1115.64	0.00217	3.1
Reach 2	646718	5 - Year	18930	1105.21	1122.04		1122.61	0.003186	6.87
Reach 2	646718	10 - Year	35046	1105.21	1125.98		1126.77	0.003137	8.36
Reach 2	646718	50 - Year	71092	1105.21	1133.19		1134.23	0.002658	10.01
Reach 2	646718	100 - Year	84504	1105.21	1135.36		1136.48	0.002578	10.49
Reach 2	646718	500 - Year	125697	1105.21	1141.92		1143.42	0.00273	12.66
Reach 2	646509	2 - Year	2426	1106.39	1115.07		1115.21	0.001915	3.11
Reach 2	646509	5 - Year	18848	1106.39	1121.03		1121.76	0.004291	7.93
Reach 2	646509	10 - Year	34718	1106.39	1125.29		1126.06	0.003223	8.57
Reach 2	646509	50 - Year	70899	1106.39	1132.72		1133.6	0.00239	9.63
Reach 2	646509	100 - Year	84362	1106.39	1134.9		1135.86	0.002346	10.15
Reach 2	646509	500 - Year	125215	1106.39	1140.3	1128.11	1142.6	0.004281	15.63
Reach 2	646447	2 - Year	2426	1107.26	1114.81	1112.26	1115.03	0.003318	3.82
Reach 2	646447	5 - Year	18848	1107.26	1120.16	1118.61	1121.26	0.007464	9.73
Reach 2	646447	10 - Year	34718	1107.26	1124.84	1120.88	1125.75	0.004196	9.47
Reach 2	646447	50 - Year	70899	1107.26	1132.43	1124.48	1133.38	0.002794	10.24
Reach 2	646447	100 - Year	84362	1107.26	1134.61	1125.6	1135.64	0.002759	10.84
Reach 2	646447	500 - Year	125215	1107.26	1140.36	1128.41	1141.23	0.002252	11.29
Reach 2	646410		Culvert						

Reach 2	646363	2 - Year	2426	1106.86	1112.13		1112.44	0.006956	4.41
Reach 2	646363	5 - Year	18848	1106.86	1120.39		1121.05	0.003403	7.25
Reach 2	646363	10 - Year	34718	1106.86	1124.8		1125.52	0.002663	7.99
Reach 2	646363	50 - Year	70899	1106.86	1132.27		1133.12	0.002082	9.15
Reach 2	646363	100 - Year	84362	1106.86	1134.43		1135.36	0.002069	9.67
Reach 2	646363	500 - Year	125215	1106.86	1140.24		1141.12	0.001839	10.46
Reach 2	646197	2 - Year	2426	1101.95	1111.29		1111.53	0.003984	3.98
Reach 2	646197	5 - Year	18848	1101.95	1119.87		1120.48	0.002864	7.16
Reach 2	646197	10 - Year	34718	1101.95	1124.25		1125.03	0.002661	8.41
Reach 2	646197	50 - Year	70899	1101.95	1131.38		1132.55	0.002734	10.75
Reach 2	646197	100 - Year	84362	1101.95	1133.44		1134.75	0.002833	11.56
Reach 2	646197	500 - Year	125215	1101.95	1138.07		1140.11	0.003822	14.96
Reach 2	645920	2 - Year	2426	1099.59	1111.05		1111.12	0.000561	2.23
Reach 2	645920	5 - Year	18848	1099.59	1119.2		1119.82	0.002001	6.88
Reach 2	645920	10 - Year	34718	1099.59	1123.27		1124.25	0.002493	8.96
Reach 2	645920	50 - Year	70899	1099.59	1129.89		1131.58	0.003177	12.26
Reach 2	645920	100 - Year	84362	1099.59	1131.79		1133.71	0.003379	13.24
Reach 2	645920	500 - Year	125215	1099.59	1135.83	1126.73	1138.71	0.004475	16.66
Reach 2	645599	2 - Year	2426	1099.75	1110.82		1110.91	0.000742	2.47
Reach 2	645599	5 - Year	18848	1099.75	1118.6		1119.19	0.001879	6.75
Reach 2	645599	10 - Year	34718	1099.75	1122.56		1123.47	0.002256	8.74
Reach 2	645599	50 - Year	70899	1099.75	1128.99		1130.59	0.002823	11.99
Reach 2	645599	100 - Year	84362	1099.75	1130.85		1132.67	0.002975	12.93
Reach 2	645599	500 - Year	125215	1099.75	1135.54		1137.78	0.003162	14.88
Reach 2	645247	2 - Year	2426	1099.75	1110.61		1110.7	0.000504	2.43
Reach 2	645247	5 - Year	18848	1099.75	1117.71		1118.5	0.00205	7.82
Reach 2	645247	10 - Year	34718	1099.75	1121.28		1122.61	0.002718	10.47
Reach 2	645247	50 - Year	70899	1099.75	1127.13		1129.48	0.003576	14.53
Reach 2	645247	100 - Year	84362	1099.75	1128.96		1131.51	0.003641	15.42
Reach 2	645247	500 - Year	125215	1099.75	1133.93	1127.73	1136.67	0.003427	16.85
Reach 2	644853	2 - Year	2426	1098.56	1110.47		1110.54	0.000303	2.12
Reach 2	644853	5 - Year	18848	1098.56	1116.73		1117.66	0.002209	8.3
Reach 2	644853	10 - Year	34718	1098.56	1119.65		1121.38	0.003459	11.73
Reach 2	644853	50 - Year	70899	1098.56	1124.8		1127.82	0.004741	16.31
Reach 2	644853	100 - Year	84362	1098.56	1126.65		1129.85	0.004714	17.14
Reach 2	644853	500 - Year	125215	1098.56	1132.8		1135.31	0.003278	16.59
Reach 2	644570	2 - Year	2426	1098.73	1110.38		1110.45	0.000369	2.12
Reach 2	644570	5 - Year	18848	1098.73	1116.12		1116.96	0.002399	7.98
Reach 2	644570	10 - Year	34718	1098.73	1118.92		1120.23	0.003214	10.52
Reach 2	644570	50 - Year	70899	1098.73	1124.31		1126.1	0.003366	13.1

Reach 2	644570	100 - Year	84362	1098.73	1126.14		1128.12	0.003446	14.01
Reach 2	644570	500 - Year	125215	1098.73	1132.09		1134.26	0.00307	15.42
Reach 2	644188	2 - Year	2426	1102.96	1109.74		1110.06	0.006376	4.6
Reach 2	644188	5 - Year	18848	1102.96	1114.53		1115.46	0.007424	9.22
Reach 2	644188	10 - Year	34718	1102.96	1117.16		1118.44	0.00733	11.09
Reach 2	644188	50 - Year	70899	1102.96	1122.78		1124.41	0.005654	12.95
Reach 2	644188	100 - Year	84362	1102.96	1124.7		1126.43	0.005328	13.55
Reach 2	644188	500 - Year	125215	1102.96	1130.01	1121.95	1132.48	0.005738	16.7
Reach 2	643562	2 - Year	2426	1098.24	1104.9		1105.3	0.009241	5.08
Reach 2	643562	5 - Year	18848	1098.24	1110.77		1111.53	0.005448	7.72
Reach 2	643562	10 - Year	34718	1098.24	1114.33		1115.15	0.003815	8.33
Reach 2	643562	50 - Year	70899	1098.24	1121.02		1122	0.002522	9.26
Reach 2	643562	100 - Year	84362	1098.24	1123.06		1124.13	0.002417	9.74
Reach 2	643562	500 - Year	125215	1098.24	1128.45		1129.88	0.002576	11.8
Reach 2	642957	2 - Year	2426	1096.59	1101.64		1101.83	0.003762	3.5
Reach 2	642957	5 - Year	18848	1096.59	1108.08		1108.81	0.003941	6.98
Reach 2	642957	10 - Year	34718	1096.59	1112.19		1113.14	0.003145	8.14
Reach 2	642957	50 - Year	70899	1096.59	1119.09		1120.48	0.002659	10.04
Reach 2	642957	100 - Year	84362	1096.59	1121.07		1122.64	0.002658	10.71
Reach 2	642957	500 - Year	125215	1096.59	1125.79	1115.78	1128.17	0.003142	13.3
Reach 2	642517	2 - Year	2426	1095.02	1098.83		1099.13	0.011396	4.41
Reach 2	642517	5 - Year	18848	1095.02	1106.98		1107.44	0.002099	5.51
Reach 2	642517	10 - Year	34718	1095.02	1111.23		1111.94	0.00196	6.83
Reach 2	642517	50 - Year	70899	1095.02	1118.23		1119.38	0.001908	8.87
Reach 2	642517	100 - Year	84362	1095.02	1120.16		1121.52	0.002	9.65
Reach 2	642517	500 - Year	125215	1095.02	1125.06		1126.72	0.001999	10.99
Reach 2	642087	2 - Year	2426	1090.68	1097.57		1097.68	0.001454	2.66
Reach 2	642087	5 - Year	18848	1090.68	1106.16		1106.62	0.001736	5.49
Reach 2	642087	10 - Year	34718	1090.68	1110.4		1111.12	0.001808	6.98
Reach 2	642087	50 - Year	70899	1090.68	1117.36		1118.55	0.001889	9.2
Reach 2	642087	100 - Year	84362	1090.68	1119.32		1120.66	0.001931	9.85
Reach 2	642087	500 - Year	125215	1090.68	1124.21		1125.85	0.001974	11.27
Reach 2	641658	2 - Year	2426	1087.55	1097.06		1097.15	0.001008	2.33
Reach 2	641658	5 - Year	18848	1087.55	1105.45		1105.9	0.0016	5.37
Reach 2	641658	10 - Year	34718	1087.55	1109.54		1110.32	0.001855	7.12
Reach 2	641658	50 - Year	70899	1087.55	1116.18		1117.61	0.002175	9.81
Reach 2	641658	100 - Year	84362	1087.55	1118.03		1119.67	0.002271	10.59
Reach 2	641658	500 - Year	125215	1087.55	1122.59		1124.75	0.002497	12.48
Reach 2	641224	2 - Year	2462	1085.7	1096.49		1096.6	0.001511	2.7
Reach 2	641224	5 - Year	19129	1085.7	1104.72		1105.17	0.001771	5.5

Reach 2	641224	10 - Year	35028	1085.7	1108.9		1109.39	0.001427	6.16
Reach 2	641224	50 - Year	72041	1085.7	1115.71		1116.24	0.001104	6.96
Reach 2	641224	100 - Year	85952	1085.7	1117.6		1118.16	0.00108	7.28
Reach 2	641224	500 - Year	127126	1085.7	1122.22		1122.89	0.001073	8.17
Reach 2	640652	2 - Year	2462	1088	1095.61		1095.72	0.001566	2.69
Reach 2	640652	5 - Year	19129	1088	1103.45		1104	0.002225	5.98
Reach 2	640652	10 - Year	35028	1088	1107.37		1108.24	0.002341	7.62
Reach 2	640652	50 - Year	72041	1088	1114.1		1115.22	0.002028	9.19
Reach 2	640652	100 - Year	85952	1088	1115.94		1117.14	0.002011	9.69
Reach 2	640652	500 - Year	127126	1088	1120.08		1121.73	0.002284	11.54
Reach 2	640236	2 - Year	2461	1090	1093.93		1094.36	0.009785	5.27
Reach 2	640236	5 - Year	19122	1090	1102.36		1102.94	0.002949	6.2
Reach 2	640236	10 - Year	34974	1090	1106.42		1107.21	0.002497	7.37
Reach 2	640236	50 - Year	72046	1090	1113.09		1114.31	0.002291	9.34
Reach 2	640236	100 - Year	85940	1090	1114.79		1116.2	0.002406	10.12
Reach 2	640236	500 - Year	127141	1090	1118.33		1120.55	0.003108	12.76
Reach 2	639881	2 - Year	2461	1086	1092.23	1089.82	1092.45	0.003215	3.78
Reach 2	639881	5 - Year	19122	1086	1101.47	1096.14	1102.03	0.002221	6.04
Reach 2	639881	10 - Year	34974	1086	1105.54	1098.77	1106.37	0.002247	7.57
Reach 2	639881	50 - Year	72046	1086	1111.99	1103.51	1113.44	0.0025	10.21
Reach 2	639881	100 - Year	85940	1086	1113.56	1104.91	1115.27	0.002718	11.16
Reach 2	639881	500 - Year	127141	1086	1116.63	1108.57	1119.31	0.003683	14.16
Reach 2	639467	2 - Year	2470	1079.12	1091.95	1084.36	1092.01	0.000408	1.98
Reach 2	639467	5 - Year	19196	1079.12	1100.79	1092.08	1101.25	0.001437	5.5
Reach 2	639467	10 - Year	35015	1079.12	1104.81	1096.26	1105.52	0.001641	7.07
Reach 2	639467	50 - Year	72352	1079.12	1111.3	1102.09	1112.39	0.001806	9.25
Reach 2	639467	100 - Year	86409	1079.12	1112.87	1103.65	1114.09	0.001903	9.92
Reach 2	639467	500 - Year	127696	1079.12	1116	1107.31	1117.59	0.002299	11.8
Reach 2	638590	2 - Year	2470	1081.64	1089.73		1090.81	0.019616	8.34
Reach 2	638590	5 - Year	19196	1081.64	1099.4		1099.71	0.002061	4.86
Reach 2	638590	10 - Year	35015	1081.64	1103.74		1104.08	0.001412	5.23
Reach 2	638590	50 - Year	72352	1081.64	1110.33		1110.85	0.001367	6.71
Reach 2	638590	100 - Year	86409	1081.64	1111.79		1112.42	0.001541	7.47
Reach 2	638590	500 - Year	127696	1081.64	1114.83		1115.61	0.001758	8.72
Reach 2	637949	2 - Year	2470	1079.48	1088.24		1088.35	0.001346	2.62
Reach 2	637949	5 - Year	19196	1079.48	1098.47		1098.81	0.001031	4.68
Reach 2	637949	10 - Year	35015	1079.48	1102.89		1103.33	0.001002	5.63
Reach 2	637949	50 - Year	72352	1079.48	1109.47		1110.1	0.001049	7.16
Reach 2	637949	100 - Year	86409	1079.48	1110.85		1111.58	0.001162	7.82
Reach 2	637949	500 - Year	127696	1079.48	1113.41		1114.51	0.001645	9.92

Reach 2	637102	2 - Year	2467	1075.42	1087.24		1087.35	0.001029	2.73
Reach 2	637102	5 - Year	19168	1075.42	1097.17		1097.7	0.001636	5.95
Reach 2	637102	10 - Year	34867	1075.42	1101.56		1102.26	0.001605	7.17
Reach 2	637102	50 - Year	72293	1075.42	1108.12		1109.03	0.001599	8.87
Reach 2	637102	100 - Year	86347	1075.42	1109.4		1110.42	0.00173	9.56
Reach 2	637102	500 - Year	127673	1075.42	1111.25		1112.82	0.002579	12.23
Reach 2	636532	2 - Year	2523	1076	1086.69		1086.79	0.00094	2.55
Reach 2	636532	5 - Year	19600	1076	1096.37		1096.83	0.001376	5.76
Reach 2	636532	10 - Year	35518	1076	1100.88		1101.41	0.001247	6.61
Reach 2	636532	50 - Year	74087	1076	1107.6		1108.16	0.001132	7.75
Reach 2	636532	100 - Year	88612	1076	1109		1109.51	0.001051	7.74
Reach 2	636532	500 - Year	130242	1076	1110.99		1111.54	0.001214	8.72
Reach 2	635857	2 - Year	2523	1075.68	1086	1081.12	1086.11	0.00107	2.7
Reach 2	635857	5 - Year	19600	1075.68	1095.51	1088.31	1095.92	0.001286	5.6
Reach 2	635857	10 - Year	35518	1075.68	1100.05	1091.25	1100.56	0.001259	6.68
Reach 2	635857	50 - Year	74087	1075.68	1106.31	1096.79	1107.21	0.001679	9.36
Reach 2	635857	100 - Year	88612	1075.68	1107.99	1098.4	1108.68	0.001377	8.86
Reach 2	635857	500 - Year	130242	1075.68	1109.95	1101.75	1110.63	0.001494	9.68
Reach 2	635157	2 - Year	2523	1076.66	1085.04	1081.43	1085.17	0.001738	2.91
Reach 2	635157	5 - Year	19600	1076.66	1094.46	1087.49	1094.94	0.001516	5.75
Reach 2	635157	10 - Year	35518	1076.66	1098.83	1090.57	1099.55	0.00162	7.23
Reach 2	635157	50 - Year	74087	1076.66	1104.9	1095.79	1105.96	0.001875	9.51
Reach 2	635157	100 - Year	88612	1076.66	1107.08	1097.39	1107.75	0.001282	8.35
Reach 2	635157	500 - Year	130242	1076.66	1109.08	1099.94	1109.66	0.001225	8.58
Reach 2	634571	2 - Year	2523	1072.9	1083.68	1079.6	1083.93	0.002556	4.08
Reach 2	634571	5 - Year	19600	1072.9	1093.44	1088.15	1093.95	0.001882	6.31
Reach 2	634571	10 - Year	35518	1072.9	1097.84	1090.84	1098.53	0.001829	7.59
Reach 2	634571	50 - Year	74087	1072.9	1103.22	1095.24	1104.59	0.002803	11.28
Reach 2	634571	100 - Year	88612	1072.9	1104.68	1096.68	1106.48	0.003457	13.07
Reach 2	634571	500 - Year	130242	1072.9	1106.74	1100	1108.41	0.003505	13.91
Reach 2	633910	2 - Year	2523	1074	1082.42	1078.65	1082.58	0.00161	3.18
Reach 2	633910	5 - Year	19600	1074	1092.7	1086.12	1093.03	0.001056	5.28
Reach 2	633910	10 - Year	35518	1074	1097.18	1088.53	1097.6	0.001059	6.3
Reach 2	633910	50 - Year	74087	1074	1102.33	1092.86	1103.09	0.001636	9.15
Reach 2	633910	100 - Year	88612	1074	1103.44	1094.34	1104.52	0.002219	10.98
Reach 2	633910	500 - Year	130242	1074	1105.91	1097.58	1106.63	0.00175	10.37
Reach 2	633228	2 - Year	2523	1070	1081.2	1076.8	1081.37	0.001964	3.3
Reach 2	633228	5 - Year	19600	1070	1092	1084.51	1092.33	0.001035	5.16
Reach 2	633228	10 - Year	35518	1070	1096.51	1087.65	1096.92	0.001022	6.13
Reach 2	633228	50 - Year	74087	1070	1101.27	1092.3	1102.03	0.001648	9.01
Reach 2	633228	100 - Year	88612	1070	1102.52	1093.69	1103.22	0.001562	9.08

Reach 2	633228	500 - Year	130242	1070	1104.9	1096.61	1105.56	0.001556	9.62
Reach 2	632542	2 - Year	2533	1068	1080.32	1073.08	1080.41	0.001002	2.4
Reach 2	632542	5 - Year	19681	1068	1091	1081.66	1091.47	0.001598	5.9
Reach 2	632542	10 - Year	35151	1068	1095.61	1085.31	1096.12	0.001465	6.65
Reach 2	632542	50 - Year	74878	1068	1100.53	1092.99	1100.99	0.001394	7.44
Reach 2	632542	100 - Year	89412	1068	1101.86	1094.91	1102.26	0.001246	7.27
Reach 2	632542	500 - Year	131007	1068	1104.09	1099.21	1104.56	0.0015	8.4
Reach 2	631912	2 - Year	2533	1070	1079.41		1079.54	0.002045	2.88
Reach 2	631912	5 - Year	19681	1070	1089.7		1090.3	0.002193	6.38
Reach 2	631912	10 - Year	35151	1070	1094.37		1095.05	0.002021	7.35
Reach 2	631912	50 - Year	74878	1070	1099.16		1099.92	0.002179	8.84
Reach 2	631912	100 - Year	89412	1070	1100.34		1101.19	0.002446	9.66
Reach 2	631912	500 - Year	131007	1070	1102.57		1103.38	0.002438	10.2
Reach 2	631207	2 - Year	2533	1066	1078.65		1078.72	0.000716	2.15
Reach 2	631207	5 - Year	19681	1066	1088.27		1088.85	0.001926	6.25
Reach 2	631207	10 - Year	35151	1066	1092.87		1093.63	0.002013	7.58
Reach 2	631207	50 - Year	74878	1066	1097.92		1098.54	0.001715	8.11
Reach 2	631207	100 - Year	89412	1066	1098.8		1099.58	0.002151	9.29
Reach 2	631207	500 - Year	131007	1066	1100.97		1101.76	0.00224	10
Reach 2	630594	2 - Year	2533	1068	1078.12		1078.19	0.001062	2.17
Reach 2	630594	5 - Year	19681	1068	1087.45		1087.83	0.001298	5.11
Reach 2	630594	10 - Year	35151	1068	1092.02		1092.57	0.001347	6.3
Reach 2	630594	50 - Year	74878	1068	1096.57		1097.41	0.0019	8.67
Reach 2	630594	100 - Year	89412	1068	1097.4		1098.29	0.00204	9.21
Reach 2	630594	500 - Year	131007	1068	1099.28		1100.32	0.002418	10.54
Reach 2	630102	2 - Year	2533	1068	1077		1077.25	0.004179	4.05
Reach 2	630102	5 - Year	19681	1068	1086.36		1086.99	0.00219	6.58
Reach 2	630102	10 - Year	35151	1068	1090.92		1091.74	0.002008	7.81
Reach 2	630102	50 - Year	74878	1068	1095.32		1096.36	0.002388	9.97
Reach 2	630102	100 - Year	89412	1068	1096.12		1097.18	0.002493	10.45
Reach 2	630102	500 - Year	131007	1068	1098.12		1099.12	0.002476	11.04
Reach 2	629617	2 - Year	2533	1066	1075.32		1075.57	0.002904	3.97
Reach 2	629617	5 - Year	19681	1066	1085.37		1085.98	0.001963	6.92
Reach 2	629617	10 - Year	35151	1066	1089.97		1090.77	0.001974	8.38
Reach 2	629617	50 - Year	74878	1066	1094.22		1095.17	0.002396	10.59
Reach 2	629617	100 - Year	89412	1066	1094.95		1095.93	0.002548	11.15
Reach 2	629617	500 - Year	131007	1066	1096.7		1097.8	0.002929	12.54
Reach 2	628878	2 - Year	2533	1062.51	1072.21		1072.66	0.005361	5.37
Reach 2	628878	5 - Year	19681	1062.51	1083.88		1084.42	0.002797	6.96
Reach 2	628878	10 - Year	35151	1062.51	1088.92		1089.38	0.001872	7

Reach 2	628878	50 - Year	74878	1062.51	1093.15		1093.56	0.001937	8.14
Reach 2	628878	100 - Year	89412	1062.51	1093.86		1094.27	0.001954	8.34
Reach 2	628878	500 - Year	131007	1062.51	1095.57		1096	0.002029	8.9
Reach 2	628092	2 - Year	2533	1060.17	1070.9	1065.38	1071.01	0.000955	2.67
Reach 2	628092	5 - Year	19681	1060.17	1082	1072.88	1082.67	0.00183	6.7
Reach 2	628092	10 - Year	35151	1060.17	1086.87	1076.77	1087.78	0.001957	8.25
Reach 2	628092	50 - Year	74878	1060.17	1091.16	1084.35	1091.96	0.001999	9.43
Reach 2	628092	100 - Year	89412	1060.17	1091.97	1087.96	1092.7	0.00196	9.54
Reach 2	628092	500 - Year	131007	1060.17	1093.85	1091.66	1094.48	0.001876	9.77
Reach 2	627385	2 - Year	2533	1058.06	1070.38	1062.32	1070.44	0.0006	1.94
Reach 2	627385	5 - Year	19681	1058.06	1081.24	1070.95	1081.53	0.000834	4.52
Reach 2	627385	10 - Year	35151	1058.06	1085.99	1073.85	1086.46	0.001009	5.9
Reach 2	627385	50 - Year	74878	1058.06	1090.37	1079.59	1090.7	0.000862	6.19
Reach 2	627385	100 - Year	89412	1058.06	1091.14	1081.3	1091.48	0.000914	6.5
Reach 2	627385	500 - Year	131007	1058.06	1092.93	1088.23	1093.31	0.001059	7.31
Reach 2	626610	2 - Year	2533	1056.54	1069.76	1061.64	1069.87	0.00085	2.73
Reach 2	626610	5 - Year	19681	1056.54	1079.89	1072.06	1080.53	0.001702	6.64
Reach 2	626610	10 - Year	35151	1056.54	1084.27	1075.68	1085.25	0.001973	8.48
Reach 2	626610	50 - Year	74878	1056.54	1089.43	1082.22	1089.93	0.001246	7.89
Reach 2	626610	100 - Year	89412	1056.54	1090.18	1083.9	1090.69	0.001305	8.24
Reach 2	626610	500 - Year	131007	1056.54	1091.86	1088.92	1092.42	0.001507	9.24
Reach 2	626000	2 - Year	2533	1057.27	1068.94		1069.12	0.001945	3.36
Reach 2	626000	5 - Year	19681	1057.27	1078.9		1079.46	0.001724	6.32
Reach 2	626000	10 - Year	35151	1057.27	1083.09		1084	0.002048	8.24
Reach 2	626000	50 - Year	74878	1057.27	1087.65		1088.8	0.002534	10.67
Reach 2	626000	100 - Year	89412	1057.27	1088.4		1089.52	0.0026	11.05
Reach 2	626000	500 - Year	131007	1057.27	1090.36		1091.24	0.002321	11.03
Reach 2	625310	2 - Year	2597	1055.92	1067.37	1063.06	1067.66	0.002269	4.3
Reach 2	625310	5 - Year	20175	1055.92	1076.84	1073.96	1077.87	0.003326	9.31
Reach 2	625310	10 - Year	35652	1055.92	1081.31	1076.72	1082.41	0.002903	10.33
Reach 2	625310	50 - Year	77391	1055.92	1086.77	1081.17	1087.32	0.001849	9.71
Reach 2	625310	100 - Year	92046	1055.92	1087.57	1085.56	1088.07	0.00176	9.68
Reach 2	625310	500 - Year	133858	1055.92	1089.56	1086.74	1090	0.001606	9.71
Reach 2	624619	2 - Year	2597	1055.1	1066.69	1060.61	1066.8	0.000706	2.6
Reach 2	624619	5 - Year	20175	1055.1	1074.98	1068.33	1075.93	0.002487	8.22
Reach 2	624619	10 - Year	35652	1055.1	1079.3	1073.59	1080.58	0.002647	10.01
Reach 2	624619	50 - Year	77391	1055.1	1085.4	1079.05	1086.16	0.001799	9.89
Reach 2	624619	100 - Year	92046	1055.1	1086.26	1084.56	1086.97	0.001758	9.99
Reach 2	624619	500 - Year	133858	1055.1	1088.37	1085.66	1088.99	0.001666	10.24
Reach 2	623954	2 - Year	2597	1054.76	1066.51	1057.88	1066.55	0.000203	1.59

Reach 2	623954	5 - Year	20175	1054.76	1074.05	1064.98	1074.64	0.001353	6.27
Reach 2	623954	10 - Year	35652	1054.76	1077.98	1068.38	1079.05	0.001897	8.59
Reach 2	623954	50 - Year	77391	1054.76	1083.42	1075.72	1084.8	0.002298	11.11
Reach 2	623954	100 - Year	92046	1054.76	1084.47	1077.78	1085.67	0.002158	11.06
Reach 2	623954	500 - Year	133858	1054.76	1086.86	1084.72	1087.82	0.001932	11.09
Reach 2	623463	2 - Year	2597	1056.92	1066.32	1060.46	1066.39	0.000576	2.08
Reach 2	623463	5 - Year	20175	1056.92	1073	1067.15	1073.75	0.002414	7.12
Reach 2	623463	10 - Year	35652	1056.92	1076.66	1070.14	1077.89	0.002929	9.3
Reach 2	623463	50 - Year	77391	1056.92	1082.36	1076.43	1083.55	0.002589	10.7
Reach 2	623463	100 - Year	92046	1056.92	1083.54	1078.2	1084.53	0.00226	10.35
Reach 2	623463	500 - Year	133858	1056.92	1086.03	1083.35	1086.82	0.001957	10.31
Reach 2	623006	2 - Year	2597	1058.92	1065.82	1063.28	1065.92	0.002278	2.52
Reach 2	623006	5 - Year	20175	1058.92	1072.1	1067.58	1072.58	0.002358	5.61
Reach 2	623006	10 - Year	35652	1058.92	1075.89	1069.57	1076.59	0.002181	6.84
Reach 2	623006	50 - Year	77391	1058.92	1081.84	1073.73	1082.51	0.001617	7.61
Reach 2	623006	100 - Year	92046	1058.92	1083	1075.41	1083.63	0.001522	7.69
Reach 2	623006	500 - Year	133858	1058.92	1085.42	1081.16	1086.05	0.001499	8.24
Reach 2	622658	2 - Year	2597	1060.18	1064.91	1063.28	1065.02	0.002992	2.61
Reach 2	622658	5 - Year	20175	1060.18	1071.35	1066.72	1071.79	0.002144	5.32
Reach 2	622658	10 - Year	35652	1060.18	1075.22	1068.6	1075.85	0.001942	6.46
Reach 2	622658	50 - Year	77391	1060.18	1081.29	1072.6	1081.96	0.001531	7.45
Reach 2	622658	100 - Year	92046	1060.18	1082.42	1073.88	1083.09	0.001512	7.7
Reach 2	622658	500 - Year	133858	1060.18	1084.84	1078.21	1085.52	0.001514	8.31
Reach 2	622314	2 - Year	2597	1056.74	1061.85	1061.59	1062.56	0.030662	6.77
Reach 2	622314	5 - Year	20175	1056.74	1070.34		1070.88	0.003205	5.98
Reach 2	622314	10 - Year	35652	1056.74	1074.33		1075.06	0.002696	7.03
Reach 2	622314	50 - Year	77391	1056.74	1080.06		1081.2	0.002914	9.35
Reach 2	622314	100 - Year	92046	1056.74	1081.38		1082.39	0.002594	9.23
Reach 2	622314	500 - Year	133858	1056.74	1083.97		1084.86	0.002343	9.52
Reach 2	621987	2 - Year	2597	1052.41	1060.46		1060.63	0.002162	3.31
Reach 2	621987	5 - Year	20175	1052.41	1069.15		1069.88	0.002855	7.48
Reach 2	621987	10 - Year	35652	1052.41	1073.33		1074.18	0.002624	8.58
Reach 2	621987	50 - Year	77391	1052.41	1079.51		1080.26	0.002225	9.63
Reach 2	621987	100 - Year	92046	1052.41	1080.94		1081.56	0.001898	9.25
Reach 2	621987	500 - Year	133858	1052.41	1083.64		1084.13	0.00155	8.94
Reach 2	621677	2 - Year	2597	1052.64	1059.51		1059.74	0.003905	3.92
Reach 2	621677	5 - Year	20175	1052.64	1068.53		1069.04	0.002273	6.54
Reach 2	621677	10 - Year	35652	1052.64	1072.83		1073.41	0.002023	7.45
Reach 2	621677	50 - Year	77391	1052.64	1079.2		1079.62	0.001428	7.71
Reach 2	621677	100 - Year	92046	1052.64	1080.63		1081.01	0.001279	7.59
Reach 2	621677	500 - Year	133858	1052.64	1083.34		1083.68	0.001141	7.67

Reach 2	621307	2 - Year	2597	1051.06	1058.74		1058.85	0.001531	2.73
Reach 2	621307	5 - Year	20175	1051.06	1067.68		1068.25	0.002063	6.41
Reach 2	621307	10 - Year	35652	1051.06	1071.87		1072.64	0.00213	7.79
Reach 2	621307	50 - Year	77391	1051.06	1078.06		1078.94	0.002153	9.55
Reach 2	621307	100 - Year	92046	1051.06	1079.65		1080.4	0.001885	9.32
Reach 2	621307	500 - Year	133858	1051.06	1082.61		1083.18	0.00151	8.97
Reach 2	621001	2 - Year	2597	1046.64	1058.48		1058.56	0.000596	2.27
Reach 2	621001	5 - Year	20175	1046.64	1067.07		1067.65	0.001845	6.69
Reach 2	621001	10 - Year	35652	1046.64	1071.31		1072	0.001834	7.81
Reach 2	621001	50 - Year	77391	1046.64	1077.63		1078.24	0.001621	8.8
Reach 2	621001	100 - Year	92046	1046.64	1079.27		1079.79	0.001426	8.59
Reach 2	621001	500 - Year	133858	1046.64	1082.3		1082.7	0.001117	8.14
Reach 2	620481	2 - Year	2597	1051.03	1057.27		1057.68	0.008351	5.18
Reach 2	620481	5 - Year	20175	1051.03	1065.77		1066.4	0.003355	7.24
Reach 2	620481	10 - Year	35652	1051.03	1070.25		1070.9	0.002486	7.77
Reach 2	620481	50 - Year	77391	1051.03	1076.75		1077.3	0.001877	8.49
Reach 2	620481	100 - Year	92046	1051.03	1078.49		1078.98	0.001618	8.28
Reach 2	620481	500 - Year	133858	1051.03	1081.71		1082.09	0.001224	7.83
Reach 2	619966	2 - Year	2597	1049.49	1055.97		1056.07	0.001407	2.46
Reach 2	619966	5 - Year	20175	1049.49	1064.8		1065.18	0.00149	5.31
Reach 2	619966	10 - Year	35652	1049.49	1069.42		1069.89	0.001366	6.22
Reach 2	619966	50 - Year	77391	1049.49	1075.98		1076.52	0.001274	7.4
Reach 2	619966	100 - Year	92046	1049.49	1077.77		1078.28	0.00117	7.44
Reach 2	619966	500 - Year	133858	1049.49	1080.94		1081.45	0.001154	7.97
Reach 2	619245	2 - Year	2597	1048	1053.1		1053.59	0.014388	5.62
Reach 2	619245	5 - Year	20175	1048	1063.51		1063.96	0.001954	6.02
Reach 2	619245	10 - Year	35652	1048	1068.07		1068.71	0.001977	7.4
Reach 2	619245	50 - Year	77391	1048	1074.61		1075.41	0.00201	9.22
Reach 2	619245	100 - Year	92046	1048	1076.55		1077.29	0.00182	9.24
Reach 2	619245	500 - Year	133858	1048	1080.06		1080.66	0.001477	9.06
Reach 2	618688	2 - Year	2597	1039.08	1052.97		1053.01	0.0002	1.58
Reach 2	618688	5 - Year	20175	1039.08	1062.88		1063.29	0.000806	5.28
Reach 2	618688	10 - Year	35652	1039.08	1067.14		1067.87	0.001156	7.25
Reach 2	618688	50 - Year	77391	1039.08	1073.02		1074.28	0.001736	10.36
Reach 2	618688	100 - Year	92046	1039.08	1074.9		1076.19	0.001737	10.81
Reach 2	618688	500 - Year	133858	1039.08	1078.1		1079.54	0.001944	12.22
Reach 2	618147	2 - Year	2597	1038.32	1052.86		1052.91	0.000163	1.74
Reach 2	618147	5 - Year	20175	1038.32	1062.05		1062.7	0.001146	6.8
Reach 2	618147	10 - Year	35652	1038.32	1066.07		1067.07	0.001559	8.92
Reach 2	618147	50 - Year	77391	1038.32	1071.36		1073.05	0.002467	12.77

Reach 2	618147	100 - Year	92046	1038.32	1073.08		1074.9	0.002604	13.61
Reach 2	618147	500 - Year	133858	1038.32	1075.66		1077.96	0.003279	16.09
Reach 2	617734	2 - Year	2597	1038.57	1052.83		1052.85	0.000084	1.36
Reach 2	617734	5 - Year	20175	1038.57	1061.78		1062.26	0.000779	5.83
Reach 2	617734	10 - Year	35652	1038.57	1065.68		1066.47	0.001132	7.83
Reach 2	617734	50 - Year	77391	1038.57	1070.77		1072.07	0.001804	11.13
Reach 2	617734	100 - Year	92046	1038.57	1072.28		1073.87	0.002125	12.47
Reach 2	617734	500 - Year	133858	1038.57	1074.61		1076.66	0.002753	14.86
Reach 2	617231	2 - Year	2597	1040.11	1052.74		1052.79	0.000191	1.8
Reach 2	617231	5 - Year	20175	1040.11	1061.06		1061.74	0.001361	7.01
Reach 2	617231	10 - Year	35652	1040.11	1064.72		1065.74	0.001819	9.1
Reach 2	617231	50 - Year	77391	1040.11	1069.96		1071.07	0.002032	11.03
Reach 2	617231	100 - Year	92046	1040.11	1071.44		1072.69	0.002246	12.01
Reach 2	617231	500 - Year	133858	1040.11	1073.88		1075.16	0.002377	13.02
Reach 2	616848	2 - Year	2597	1040.81	1052.57		1052.67	0.000595	2.58
Reach 2	616848	5 - Year	20175	1040.81	1060.14		1061.02	0.002513	8.32
Reach 2	616848	10 - Year	35652	1040.81	1063.53		1064.81	0.003107	10.57
Reach 2	616848	50 - Year	77391	1040.81	1069.1		1070.18	0.002599	11.5
Reach 2	616848	100 - Year	92046	1040.81	1070.44		1071.7	0.002952	12.7
Reach 2	616848	500 - Year	133858	1040.81	1073.04		1074.15	0.00265	12.83
Reach 2	616347	2 - Year	2597	1039.06	1052.4		1052.46	0.000271	2.02
Reach 2	616347	5 - Year	20175	1039.06	1059.08		1059.87	0.002026	7.8
Reach 2	616347	10 - Year	35652	1039.06	1062.05		1063.32	0.002855	10.34
Reach 2	616347	50 - Year	77391	1039.06	1067.84		1068.93	0.002423	11.33
Reach 2	616347	100 - Year	92046	1039.06	1068.8		1070.19	0.003065	13.07
Reach 2	616347	500 - Year	133858	1039.06	1072.13		1072.93	0.001941	11.27
Reach 2	615823	2 - Year	2597	1037.48	1052.32		1052.35	0.000136	1.43
Reach 2	615823	5 - Year	20175	1037.48	1058.45		1058.95	0.00127	6.05
Reach 2	615823	10 - Year	35652	1037.48	1061.02		1061.95	0.00206	8.51
Reach 2	615823	50 - Year	77391	1037.48	1066.56		1067.69	0.002283	10.68
Reach 2	615823	100 - Year	92046	1037.48	1067.55		1068.72	0.002396	11.24
Reach 2	615823	500 - Year	133858	1037.48	1071.31		1072.01	0.001519	9.83
Reach 2	615425	2 - Year	2597	1042.86	1052.24		1052.28	0.000281	1.64
Reach 2	615425	5 - Year	20175	1042.86	1057.81		1058.34	0.001871	6.29
Reach 2	615425	10 - Year	35652	1042.86	1059.98		1060.97	0.002948	8.79
Reach 2	615425	50 - Year	77391	1042.86	1065.04		1066.51	0.003582	11.8
Reach 2	615425	100 - Year	92046	1042.86	1066.57		1067.65	0.002746	10.85
Reach 2	615425	500 - Year	133858	1042.86	1070.87		1071.37	0.001313	8.49
Reach 2	614845	2 - Year	2597	1044.03	1051.73	1050.1	1051.88	0.003434	3.22
Reach 2	614845	5 - Year	20175	1044.03	1056.5	1053.62	1056.87	0.003637	5.99

Reach 2	614845	10 - Year	35652	1044.03	1058.22		1058.82	0.004665	7.71
Reach 2	614845	50 - Year	77391	1044.03	1062.93		1063.95	0.005571	10.95
Reach 2	614845	100 - Year	92046	1044.03	1064.84		1065.7	0.004499	10.68
Reach 2	614845	500 - Year	133858	1044.03	1070.47		1070.7	0.000958	6
Reach 2	614305	2 - Year	2597	1042.05	1046.33	1046.33	1047.28	0.042544	7.82
Reach 2	614305	5 - Year	20175	1042.05	1051.15	1051.15	1053	0.020339	11.8
Reach 2	614305	10 - Year	35652	1042.05	1055.1		1056.01	0.006485	9.29
Reach 2	614305	50 - Year	77391	1042.05	1061.52		1062.02	0.002345	7.76
Reach 2	614305	100 - Year	92046	1042.05	1063.65		1064.1	0.002035	7.84
Reach 2	614305	500 - Year	133858	1042.05	1070.16		1070.32	0.00057	5.06
Reach 2	614060	2 - Year	2597	1039.03	1043.3	1041.37	1043.43	0.002293	2.95
Reach 2	614060	5 - Year	20175	1039.03	1050.64	1045.35	1050.93	0.001409	4.95
Reach 2	614060	10 - Year	35652	1039.03	1054.77	1047.14	1055.19	0.001312	5.93
Reach 2	614060	50 - Year	77391	1039.03	1060.47	1050.66	1061.41	0.00192	8.9
Reach 2	614060	100 - Year	92046	1039.03	1062.23	1051.71	1063.41	0.002149	9.94
Reach 2	614060	500 - Year	133858	1039.03	1069.34	1054.47	1070	0.001199	8.93
Reach 2	613875		Bridge						
Reach 2	613652	2 - Year	2597	1038.4	1042.25		1042.36	0.001834	2.72
Reach 2	613652	5 - Year	20175	1038.4	1049.85		1050.19	0.001223	5.05
Reach 2	613652	10 - Year	35652	1038.4	1053.91		1054.41	0.001194	6.18
Reach 2	613652	50 - Year	77391	1038.4	1058.77		1059.99	0.00203	9.75
Reach 2	613652	100 - Year	92046	1038.4	1060.42		1061.85	0.002152	10.59
Reach 2	613652	500 - Year	133858	1038.4	1063.85	1054.35	1066.42	0.003238	14.35
Reach 2	613424	2 - Year	2597	1034.36	1041.24		1041.57	0.006257	5.14
Reach 2	613424	5 - Year	20175	1034.36	1049.42		1049.83	0.001699	6.28
Reach 2	613424	10 - Year	35652	1034.36	1053.54		1054.08	0.001523	7.49
Reach 2	613424	50 - Year	77391	1034.36	1058.3		1059.39	0.002231	11
Reach 2	613424	100 - Year	92046	1034.36	1059.98		1061.11	0.002139	11.4
Reach 2	613424	500 - Year	133858	1034.36	1063.59		1064.63	0.001852	11.81
Reach 2	613049	2 - Year	2609	1033.69	1039.04	1037.43	1039.54	0.004968	5.68
Reach 2	613049	5 - Year	20273	1033.69	1048.37	1044.9	1049.08	0.00246	7.06
Reach 2	613049	10 - Year	35468	1033.69	1052.72	1047.16	1053.49	0.00169	7.61
Reach 2	613049	50 - Year	78023	1033.69	1056.69	1051.68	1058.43	0.002896	11.85
Reach 2	613049	100 - Year	93085	1033.69	1058.31	1052.91	1060.21	0.002876	12.53
Reach 2	613049	500 - Year	134370	1033.69	1062.77	1056.77	1063.96	0.001731	11.19
Reach 2	612344	2 - Year	2609	1030	1036.04	1033.89	1036.47	0.003806	5.25
Reach 2	612344	5 - Year	20273	1030	1046.31	1041.19	1047.38	0.002271	8.69
Reach 2	612344	10 - Year	35468	1030	1050.31	1045.02	1051.96	0.002552	11
Reach 2	612344	50 - Year	78023	1030	1056.33	1049.37	1056.93	0.001109	8.87
Reach 2	612344	100 - Year	93085	1030	1058.11	1052.81	1058.71	0.00105	9.07

Reach 2	612344	500 - Year	134370	1030	1062.43	1052.81	1062.96	0.000877	9.22
Reach 2	611792	2 - Year	2609	1024.17	1035.41	1030.08	1035.54	0.000806	2.93
Reach 2	611792	5 - Year	20273	1024.17	1045.73	1037.92	1046.39	0.001159	6.73
Reach 2	611792	10 - Year	35468	1024.17	1049.58	1041.4	1050.74	0.001532	9.03
Reach 2	611792	50 - Year	78023	1024.17	1056.13	1047.99	1056.46	0.000528	6.48
Reach 2	611792	100 - Year	93085	1024.17	1057.91	1049.99	1058.25	0.000517	6.71
Reach 2	611792	500 - Year	134370	1024.17	1062.2	1050	1062.57	0.000498	7.26
Reach 2	611061	2 - Year	2609	1021.33	1035.24	1025.83	1035.3	0.000159	1.86
Reach 2	611061	5 - Year	20273	1021.33	1045.05	1033.95	1045.69	0.000799	6.64
Reach 2	611061	10 - Year	35468	1021.33	1048.47	1038.02	1049.71	0.001306	9.46
Reach 2	611061	50 - Year	78023	1021.33	1055.87	1046.75	1056.13	0.000385	6.19
Reach 2	611061	100 - Year	93085	1021.33	1057.64	1048.18	1057.92	0.000405	6.59
Reach 2	611061	500 - Year	134370	1021.33	1061.86	1051.66	1062.23	0.000495	7.91
Reach 2	610377	2 - Year	2609	1021.52	1035.13		1035.17	0.00018	1.55
Reach 2	610377	5 - Year	20273	1021.52	1044.55		1045.02	0.00092	5.59
Reach 2	610377	10 - Year	35468	1021.52	1047.6		1048.6	0.001611	8.21
Reach 2	610377	50 - Year	78023	1021.52	1051.9		1054.75	0.003779	14.23
Reach 2	610377	100 - Year	93085	1021.52	1052.94	1045.6	1056.34	0.004415	15.79
Reach 2	610377	500 - Year	134370	1021.52	1055.42	1048.95	1060.12	0.005836	19.27
Reach 2	609667	2 - Year	2609	1028.66	1034.81	1031.29	1034.9	0.000849	2.43
Reach 2	609667	5 - Year	20273	1028.66	1043.58	1036.45	1044.16	0.001417	6.23
Reach 2	609667	10 - Year	35468	1028.66	1047	1039.28	1047.27	0.000744	5.27
Reach 2	609667	50 - Year	78023	1028.66	1051.13	1046.01	1051.56	0.001045	7.23
Reach 2	609667	100 - Year	93085	1028.66	1052.15	1046.01	1052.61	0.001101	7.66
Reach 2	609667	500 - Year	134370	1028.66	1054.64	1046.01	1055.19	0.001215	8.65
Reach 2	609069	2 - Year	2609	1028.64	1033.94	1031.66	1034.11	0.002202	3.27
Reach 2	609069	5 - Year	20273	1028.64	1042.71	1036.83	1043.25	0.001579	6.3
Reach 2	609069	10 - Year	35468	1028.64	1046.29	1039.69	1046.7	0.001133	6.32
Reach 2	609069	50 - Year	78023	1028.64	1050.38	1045.96	1050.87	0.001299	7.88
Reach 2	609069	100 - Year	93085	1028.64	1051.44	1045.96	1051.93	0.001274	8.08
Reach 2	609069	500 - Year	134370	1028.64	1053.97	1048.82	1054.47	0.001237	8.58
Reach 2	608443	2 - Year	2609	1025	1031.33	1030.09	1031.77	0.007437	5.3
Reach 2	608443	5 - Year	20273	1025	1041.57	1035.88	1042.19	0.00181	6.57
Reach 2	608443	10 - Year	35468	1025	1045.01	1038.85	1045.8	0.001847	7.86
Reach 2	608443	50 - Year	78023	1025	1049.83	1045.12	1050.18	0.000949	6.76
Reach 2	608443	100 - Year	93085	1025	1050.87	1046	1051.24	0.000975	7.09
Reach 2	608443	500 - Year	134370	1025	1053.36	1046	1053.79	0.001031	7.85
Reach 2	607784	2 - Year	2609	1020.99	1030.63	1025.23	1030.73	0.000582	2.6
Reach 2	607784	5 - Year	20273	1020.99	1040.81	1032.46	1041.34	0.000915	6.28
Reach 2	607784	10 - Year	35468	1020.99	1043.79	1036.31	1044.74	0.001369	8.62

Reach 2	607784	50 - Year	78023	1020.99	1049.15	1042.67	1049.6	0.0008	7.78
Reach 2	607784	100 - Year	93085	1020.99	1050.18	1044	1050.65	0.000835	8.17
Reach 2	607784	500 - Year	134370	1020.99	1052.63	1048.07	1053.15	0.000908	9.06
Reach 2	607147	2 - Year	2609	1012.6	1030.42	1019.81	1030.48	0.000247	2.05
Reach 2	607147	5 - Year	20273	1012.6	1040.21	1030.31	1040.78	0.000869	6.29
Reach 2	607147	10 - Year	35468	1012.6	1043.03	1034.46	1043.92	0.001242	8.33
Reach 2	607147	50 - Year	78023	1012.6	1047.55	1042.91	1048.77	0.001694	11.15
Reach 2	607147	100 - Year	93085	1012.6	1048.65	1043.87	1049.83	0.001685	11.45
Reach 2	607147	500 - Year	134370	1012.6	1051.2	1048.2	1052.36	0.001688	12.22
Reach 2	606537	2 - Year	2609	1020	1029.63	1025.18	1030.02	0.003002	5.03
Reach 2	606537	5 - Year	20273	1020	1039.64	1033.88	1040.09	0.00126	6.4
Reach 2	606537	10 - Year	35468	1020	1042.32	1036.14	1042.96	0.001567	8.07
Reach 2	606537	50 - Year	78023	1020	1046.82	1041.75	1047.54	0.001674	9.85
Reach 2	606537	100 - Year	93085	1020	1047.9	1043.52	1048.63	0.001696	10.26
Reach 2	606537	500 - Year	134370	1020	1050.43	1045.93	1051.2	0.001694	11.05
Reach 2	606194	2 - Year	2609	1020	1028.95	1025.54	1029.21	0.00164	4.13
Reach 2	606194	5 - Year	20273	1020	1038.58	1033.72	1039.43	0.001971	8.2
Reach 2	606194	10 - Year	35468	1020	1040.88	1038.27	1042.09	0.002617	10.48
Reach 2	606194	50 - Year	78023	1020	1046.38	1042.49	1046.95	0.001363	9.22
Reach 2	606194	100 - Year	93085	1020	1047.45	1043.49	1048.04	0.001373	9.57
Reach 2	606194	500 - Year	134370	1020	1049.99	1045.12	1050.61	0.00138	10.3
Reach 2	605746	2 - Year	2609	1020	1027.82	1024.98	1028.22	0.003073	5.06
Reach 2	605746	5 - Year	20273	1020	1036.01	1033.28	1037.99	0.005209	11.4
Reach 2	605746	10 - Year	35468	1020	1039.72	1038	1040.91	0.002909	10.4
Reach 2	605746	50 - Year	78023	1020	1045.82	1041.61	1046.38	0.001339	8.94
Reach 2	605746	100 - Year	93085	1020	1046.88	1042.13	1047.47	0.001377	9.37
Reach 2	605746	500 - Year	134370	1020	1049.38	1043.64	1050.02	0.001419	10.24
Reach 2	605265	2 - Year	2609	1020	1026.04		1026.41	0.004656	4.91
Reach 2	605265	5 - Year	20273	1020	1035.12		1035.76	0.002263	6.9
Reach 2	605265	10 - Year	35468	1020	1039.17		1039.66	0.00143	6.77
Reach 2	605265	50 - Year	78023	1020	1045.43		1045.81	0.000932	6.9
Reach 2	605265	100 - Year	93085	1020	1046.44		1046.87	0.001021	7.45
Reach 2	605265	500 - Year	134370	1020	1048.88		1049.41	0.00117	8.55
Reach 2	604929	2 - Year	2609	1016	1025.25		1025.43	0.001684	3.44
Reach 2	604929	5 - Year	20273	1016	1034.65		1035.15	0.001468	6.44
Reach 2	604929	10 - Year	35468	1016	1038.91		1039.3	0.001004	6.38
Reach 2	604929	50 - Year	78023	1016	1045.26		1045.6	0.000774	6.86
Reach 2	604929	100 - Year	93085	1016	1046.27		1046.64	0.000827	7.28
Reach 2	604929	500 - Year	134370	1016	1048.72		1049.13	0.000898	8.07
Reach 2	604622	2 - Year	2609	1016	1024.49		1024.78	0.002428	4.36

Reach 2	604622	5 - Year	20273	1016	1034.12		1034.68	0.001851	7.07
Reach 2	604622	10 - Year	35468	1016	1038.57		1039	0.001218	6.96
Reach 2	604622	50 - Year	78023	1016	1045		1045.38	0.000931	7.48
Reach 2	604622	100 - Year	93085	1016	1046.03		1046.41	0.000957	7.8
Reach 2	604622	500 - Year	134370	1016	1048.49		1048.9	0.00097	8.36
Reach 2	604285	2 - Year	2609	1016	1023.85		1024.04	0.001758	3.54
Reach 2	604285	5 - Year	20273	1016	1033.41		1034.06	0.001715	7.2
Reach 2	604285	10 - Year	35468	1016	1037.96		1038.54	0.001288	7.5
Reach 2	604285	50 - Year	78023	1016	1044.3		1044.94	0.001268	9.03
Reach 2	604285	100 - Year	93085	1016	1045.34		1045.98	0.001277	9.32
Reach 2	604285	500 - Year	134370	1016	1047.89		1048.48	0.001227	9.71
Reach 2	604026	2 - Year	2609	1016	1023.39		1023.59	0.001712	3.64
Reach 2	604026	5 - Year	20273	1016	1032.83		1033.58	0.001934	7.76
Reach 2	604026	10 - Year	35468	1016	1037.56		1038.27	0.0015	8.24
Reach 2	604026	50 - Year	78023	1016	1043.73		1044.57	0.001621	10.3
Reach 2	604026	100 - Year	93085	1016	1044.8		1045.61	0.001606	10.54
Reach 2	604026	500 - Year	134370	1016	1047.47		1048.15	0.001418	10.55
Reach 2	603698	2 - Year	2609	1016	1022.72		1022.96	0.002193	3.93
Reach 2	603698	5 - Year	20273	1016	1032.26		1032.95	0.001873	7.54
Reach 2	603698	10 - Year	35468	1016	1036.96		1037.76	0.001635	8.52
Reach 2	603698	50 - Year	78023	1016	1042.43		1043.86	0.002567	12.63
Reach 2	603698	100 - Year	93085	1016	1043.73		1044.95	0.002299	12.37
Reach 2	603698	500 - Year	134370	1016	1046.67		1047.6	0.001869	11.99
Reach 2	603339	2 - Year	2609	1014	1021.95	1018.74	1022.19	0.002086	3.96
Reach 2	603339	5 - Year	20273	1014	1031.6	1025.73	1032.28	0.001844	7.61
Reach 2	603339	10 - Year	35468	1014	1036.2	1028.86	1037.13	0.00187	9.19
Reach 2	603339	50 - Year	78023	1014	1041.51	1034.42	1042.93	0.002666	12.9
Reach 2	603339	100 - Year	93085	1014	1042.98	1037.11	1044.12	0.002262	12.35
Reach 2	603339	500 - Year	134370	1014	1046.04	1042.66	1046.93	0.001849	12.03
Reach 2	602979	2 - Year	2609	1014	1021.23		1021.42	0.002081	3.5
Reach 2	602979	5 - Year	20273	1014	1031.06		1031.66	0.001543	6.76
Reach 2	602979	10 - Year	35468	1014	1035.7		1036.5	0.001511	8.09
Reach 2	602979	50 - Year	78023	1014	1041.02		1042.05	0.001829	10.53
Reach 2	602979	100 - Year	93085	1014	1042.56		1043.39	0.001524	10.02
Reach 2	602979	500 - Year	134370	1014	1045.67		1046.34	0.001273	9.89
Reach 2	602584	2 - Year	2609	1012.06	1020.81		1020.93	0.000783	2.72
Reach 2	602584	5 - Year	20273	1012.06	1030.37		1031.06	0.001473	7.06
Reach 2	602584	10 - Year	35468	1012.06	1034.75		1035.83	0.001758	9.11
Reach 2	602584	50 - Year	78023	1012.06	1040.44		1041.35	0.001557	10.14
Reach 2	602584	100 - Year	93085	1012.06	1042.02		1042.81	0.001382	9.94
Reach 2	602584	500 - Year	134370	1012.06	1045.12		1045.84	0.001262	10.21

Reach 2	602162	2 - Year	2609	1014	1020.38		1020.51	0.001273	2.92
Reach 2	602162	5 - Year	20273	1014	1029.8		1030.42	0.001478	6.63
Reach 2	602162	10 - Year	35468	1014	1034.1		1035.07	0.001704	8.51
Reach 2	602162	50 - Year	78023	1014	1039.66		1040.66	0.001676	10.07
Reach 2	602162	100 - Year	93085	1014	1041.06		1042.13	0.001735	10.64
Reach 2	602162	500 - Year	134370	1014	1043.97		1045.16	0.001859	11.84
Reach 2	601764	2 - Year	2609	1012	1019.84		1019.99	0.001344	3.17
Reach 2	601764	5 - Year	20273	1012	1029.24		1029.81	0.001502	6.8
Reach 2	601764	10 - Year	35468	1012	1033.44		1034.35	0.001832	8.9
Reach 2	601764	50 - Year	78023	1012	1038.96		1039.96	0.001867	10.69
Reach 2	601764	100 - Year	93085	1012	1040.22		1041.37	0.002079	11.67
Reach 2	601764	500 - Year	134370	1012	1042.83		1044.28	0.002499	13.66
Reach 2	601535	2 - Year	2609	1012	1019.5		1019.67	0.001381	3.4
Reach 2	601535	5 - Year	20273	1012	1028.88		1029.45	0.00157	7.08
Reach 2	601535	10 - Year	35468	1012	1033.01		1033.9	0.001927	9.24
Reach 2	601535	50 - Year	78023	1012	1038.51		1039.5	0.00202	11.21
Reach 2	601535	100 - Year	93085	1012	1039.85		1040.84	0.002016	11.6
Reach 2	601535	500 - Year	134370	1012	1042.6		1043.62	0.002048	12.51
Reach 2	601203	2 - Year	2609	1010	1019.15		1019.28	0.00096	3.06
Reach 2	601203	5 - Year	20273	1010	1028.46		1028.96	0.001349	6.73
Reach 2	601203	10 - Year	35468	1010	1032.57		1033.29	0.001572	8.51
Reach 2	601203	50 - Year	78023	1010	1037.9		1038.86	0.001909	11.02
Reach 2	601203	100 - Year	93085	1010	1039.3		1040.2	0.001815	11.14
Reach 2	601203	500 - Year	134370	1010	1042.09		1042.97	0.001772	11.77
Reach 2	600901	2 - Year	2609	1008	1018.86		1018.98	0.001049	2.75
Reach 2	600901	5 - Year	20273	1008	1028.14		1028.57	0.001131	5.82
Reach 2	600901	10 - Year	35468	1008	1032.17		1032.84	0.001354	7.53
Reach 2	600901	50 - Year	78023	1008	1037.24		1038.3	0.001854	10.38
Reach 2	600901	100 - Year	93085	1008	1038.66		1039.67	0.001772	10.55
Reach 2	600901	500 - Year	134370	1008	1041.48		1042.45	0.001715	11.16
Reach 2	600418	2 - Year	2609	1008.65	1018.54		1018.63	0.000501	2.36
Reach 2	600418	5 - Year	20273	1008.65	1027.63		1028.07	0.001043	6.02
Reach 2	600418	10 - Year	35468	1008.65	1031.66		1032.24	0.001153	7.36
Reach 2	600418	50 - Year	78023	1008.65	1036.56		1037.47	0.001638	10.17
Reach 2	600418	100 - Year	93085	1008.65	1038		1038.87	0.001587	10.39
Reach 2	600418	500 - Year	134370	1008.65	1040.77		1041.68	0.001649	11.33
Reach 2	600005	2 - Year	2609	1006.48	1018.11		1018.32	0.001082	3.72
Reach 2	600005	5 - Year	20273	1006.48	1025.9		1027.27	0.003736	10.67
Reach 2	600005	10 - Year	35468	1006.48	1029.76		1031.39	0.003834	12.58
Reach 2	600005	50 - Year	78023	1006.48	1035.85		1036.74	0.00229	11.71

Reach 2	600005	100 - Year	93085	1006.48	1037.45		1038.17	0.001914	11.16
Reach 2	600005	500 - Year	134370	1006.48	1040.32		1040.96	0.001726	11.34
Reach 2	599541	2 - Year	2609	1004.46	1017.46		1017.62	0.002039	3.22
Reach 2	599541	5 - Year	20273	1004.46	1024.73		1025.58	0.00284	7.76
Reach 2	599541	10 - Year	35468	1004.46	1028.46		1029.75	0.00305	9.77
Reach 2	599541	50 - Year	78023	1004.46	1034.54		1035.69	0.002355	10.8
Reach 2	599541	100 - Year	93085	1004.46	1036.69		1037.44	0.001591	9.48
Reach 2	599541	500 - Year	134370	1004.46	1039.69		1040.32	0.001352	9.48
Reach 2	599295	2 - Year	2609	1004.17	1017.42		1017.46	0.000179	1.67
Reach 2	599295	5 - Year	20273	1004.17	1024.36		1025.02	0.001346	6.77
Reach 2	599295	10 - Year	35468	1004.17	1027.99		1029.1	0.001818	9.04
Reach 2	599295	50 - Year	78023	1004.17	1034.17		1035.15	0.001592	10.18
Reach 2	599295	100 - Year	93085	1004.17	1036.41		1037.08	0.001144	9.13
Reach 2	599295	500 - Year	134370	1004.17	1039.42		1040.03	0.00107	9.46
Reach 2	599102	2 - Year	2609	1009.49	1017.3		1017.38	0.000763	2.39
Reach 2	599102	5 - Year	20273	1009.49	1023.63		1024.58	0.002828	7.95
Reach 2	599102	10 - Year	35468	1009.49	1026.91		1028.5	0.00348	10.44
Reach 2	599102	50 - Year	78023	1009.49	1033.97		1034.76	0.001621	9.27
Reach 2	599102	100 - Year	93085	1009.49	1036.27		1036.81	0.00112	8.24
Reach 2	599102	500 - Year	134370	1009.49	1039.28		1039.79	0.00104	8.59
Reach 2	598939	2 - Year	2609	1012	1017.1		1017.2	0.001807	2.48
Reach 2	598939	5 - Year	20273	1012	1023.23		1023.94	0.003701	6.86
Reach 2	598939	10 - Year	35468	1012	1026.7		1027.59	0.003401	8.06
Reach 2	598939	50 - Year	78023	1012	1033.96		1034.32	0.00121	6.44
Reach 2	598939	100 - Year	93085	1012	1036.23		1036.52	0.000888	5.92
Reach 2	598939	500 - Year	134370	1012	1039.23		1039.53	0.000868	6.35
Reach 2	598524	2 - Year	2609	1009.44	1014.1	1014.1	1014.89	0.048609	7.11
Reach 2	598524	5 - Year	20273	1009.44	1021.91		1022.41	0.003358	6.29
Reach 2	598524	10 - Year	35468	1009.44	1025.67		1026.26	0.002618	6.98
Reach 2	598524	50 - Year	78023	1009.44	1033.52		1033.87	0.001211	6.51
Reach 2	598524	100 - Year	93085	1009.44	1035.93		1036.2	0.000871	5.93
Reach 2	598524	500 - Year	134370	1009.44	1038.94		1039.22	0.000851	6.36
Reach 2	598231	2 - Year	2609	1001.32	1011.23		1011.52	0.003351	4.31
Reach 2	598231	5 - Year	20273	1001.32	1021.26		1021.72	0.00219	6.36
Reach 2	598231	10 - Year	35468	1001.32	1025.22		1025.71	0.001799	6.88
Reach 2	598231	50 - Year	78023	1001.32	1033.09		1033.56	0.001308	7.55
Reach 2	598231	100 - Year	93085	1001.32	1035.26		1035.85	0.001611	8.86
Reach 2	598231	500 - Year	134370	1001.32	1038.44		1038.94	0.001364	8.78
Reach 2	598010	2 - Year	2609	1001.25	1010.71		1010.89	0.002101	3.44
Reach 2	598010	5 - Year	20273	1001.25	1020.76		1021.28	0.002001	6.47

Reach 2	598010	10 - Year	35468	1001.25	1024.91		1025.37	0.001537	6.71
Reach 2	598010	50 - Year	78023	1001.25	1032.83		1033.32	0.001215	7.56
Reach 2	598010	100 - Year	93085	1001.25	1034.78		1035.49	0.0017	9.38
Reach 2	598010	500 - Year	134370	1001.25	1038.11		1038.66	0.001363	9.04
Reach 2	597607	2 - Year	2609	999.67	1009.59		1009.89	0.002761	4.38
Reach 2	597607	5 - Year	20273	999.67	1019.53		1020.31	0.00335	8.38
Reach 2	597607	10 - Year	35468	999.67	1024.32		1024.83	0.001913	7.63
Reach 2	597607	50 - Year	78023	999.67	1032.47		1032.95	0.001371	8.14
Reach 2	597607	100 - Year	93085	999.67	1034.04		1034.86	0.002321	10.98
Reach 2	597607	500 - Year	134370	999.67	1037.67		1038.24	0.001653	10.02
Reach 2	597272	2 - Year	2609	997.92	1009.2		1009.32	0.00098	2.81
Reach 2	597272	5 - Year	20273	997.92	1018.93		1019.49	0.001594	6.73
Reach 2	597272	10 - Year	35468	997.92	1023.45		1024.2	0.001682	8.16
Reach 2	597272	50 - Year	78023	997.92	1031.46		1032.39	0.001641	10.05
Reach 2	597272	100 - Year	93085	997.92	1033.21		1034.18	0.001689	10.61
Reach 2	597272	500 - Year	134370	997.92	1036.48		1037.58	0.001914	12.1
Reach 2	596955	2 - Year	2609	996.33	1009		1009.08	0.000509	2.25
Reach 2	596955	5 - Year	20273	996.33	1018.27		1018.95	0.001606	6.93
Reach 2	596955	10 - Year	35468	996.33	1022.38		1023.5	0.002065	9.12
Reach 2	596955	50 - Year	78023	996.33	1029.59		1031.46	0.002667	12.66
Reach 2	596955	100 - Year	93085	996.33	1031.06		1033.15	0.00291	13.69
Reach 2	596955	500 - Year	134370	996.33	1035		1036.71	0.002472	13.73
Reach 2	596675	2 - Year	2609	1000	1008.86		1008.93	0.000545	2.2
Reach 2	596675	5 - Year	20273	1000	1017.87		1018.47	0.001507	6.51
Reach 2	596675	10 - Year	35468	1000	1021.91		1022.88	0.001886	8.49
Reach 2	596675	50 - Year	78023	1000	1028.88		1030.69	0.002611	12.24
Reach 2	596675	100 - Year	93085	1000	1030.07		1032.28	0.003075	13.68
Reach 2	596675	500 - Year	134370	1000	1032.52	1026	1035.47	0.004018	16.54
Reach 2	596362	2 - Year	2609	1004	1008.46		1008.61	0.002178	3.12
Reach 2	596362	5 - Year	20273	1004	1017.38		1017.93	0.001835	6.33
Reach 2	596362	10 - Year	35468	1004	1021.33		1022.2	0.002125	8.15
Reach 2	596362	50 - Year	78023	1004	1028.12		1029.77	0.002776	11.69
Reach 2	596362	100 - Year	93085	1004	1029.24	1020.01	1031.16	0.003159	12.86
Reach 2	596362	500 - Year	134370	1004	1031.33	1024.78	1034.05	0.004335	15.9
Reach 2	596162	2 - Year	2609	1002	1008.05		1008.22	0.001717	3.25
Reach 2	596162	5 - Year	20273	1002	1016.87		1017.53	0.001799	7
Reach 2	596162	10 - Year	35468	1002	1020.99		1021.79	0.001685	8.12
Reach 2	596162	50 - Year	78023	1002	1027.9		1029.08	0.001864	10.7
Reach 2	596162	100 - Year	93085	1002	1028.93		1030.41	0.002264	12.12
Reach 2	596162	500 - Year	134370	1002	1031.2		1032.85	0.0026	13.76

Reach 2	595962	2 - Year	2609	1003.14	1007.31		1007.64	0.00525	4.63
Reach 2	595962	5 - Year	20273	1003.14	1016.39		1017.12	0.002277	7.45
Reach 2	595962	10 - Year	35468	1003.14	1020.37		1021.38	0.002295	9.05
Reach 2	595962	50 - Year	78023	1003.14	1027.39		1028.68	0.002197	11.27
Reach 2	595962	100 - Year	93085	1003.14	1028.22		1029.91	0.002784	12.98
Reach 2	595962	500 - Year	134370	1003.14	1030.7		1032.32	0.002779	13.85
Reach 2	595494	2 - Year	2616	998.54	1006.19		1006.37	0.001571	3.37
Reach 2	595494	5 - Year	20323	998.54	1015.26		1016.09	0.002098	7.85
Reach 2	595494	10 - Year	35288	998.54	1019.32		1020.36	0.002061	9.23
Reach 2	595494	50 - Year	78359	998.54	1025.95		1027.55	0.002529	12.59
Reach 2	595494	100 - Year	93736	998.54	1027.11		1028.64	0.002483	12.87
Reach 2	595494	500 - Year	134739	998.54	1029.62		1031.06	0.002436	13.56
Reach 2	595010	2 - Year	2616	996.74	1005.24		1005.49	0.002098	3.99
Reach 2	595010	5 - Year	20323	996.74	1013.71		1014.92	0.002701	9.33
Reach 2	595010	10 - Year	35288	996.74	1017.96		1019.31	0.00232	10.46
Reach 2	595010	50 - Year	78359	996.74	1024.63		1026.39	0.002448	13.39
Reach 2	595010	100 - Year	93736	996.74	1025.93		1027.53	0.002305	13.47
Reach 2	595010	500 - Year	134739	996.74	1028.48		1029.99	0.002244	14.18
Reach 2	594562	2 - Year	2616	992.67	1004.94		1005.03	0.00051	2.48
Reach 2	594562	5 - Year	20323	992.67	1013.2		1013.93	0.001423	7.27
Reach 2	594562	10 - Year	35288	992.67	1017.43		1018.38	0.001465	8.75
Reach 2	594562	50 - Year	78359	992.67	1024.45		1025.38	0.001277	10.1
Reach 2	594562	100 - Year	93736	992.67	1025.65		1026.58	0.001301	10.51
Reach 2	594562	500 - Year	134739	992.67	1028.01		1029.06	0.001475	11.84
Reach 2	594196	2 - Year	2616	992.67	1004.67		1004.8	0.000811	2.86
Reach 2	594196	5 - Year	20323	992.67	1012.64		1013.38	0.001672	7.5
Reach 2	594196	10 - Year	35288	992.67	1016.91		1017.85	0.001612	8.85
Reach 2	594196	50 - Year	78359	992.67	1023.81		1024.9	0.001552	10.82
Reach 2	594196	100 - Year	93736	992.67	1025.04		1026.11	0.001548	11.16
Reach 2	594196	500 - Year	134739	992.67	1027.57		1028.57	0.001494	11.68
Reach 2	593769	2 - Year	2616	1000	1004		1004.21	0.002761	3.65
Reach 2	593769	5 - Year	20323	1000	1011.82		1012.61	0.002061	7.35
Reach 2	593769	10 - Year	35288	1000	1016.22		1017.17	0.001711	8.4
Reach 2	593769	50 - Year	78359	1000	1023.22		1024.31	0.001479	10.05
Reach 2	593769	100 - Year	93736	1000	1024.25		1025.48	0.001642	10.91
Reach 2	593769	500 - Year	134739	1000	1026.85		1027.98	0.001557	11.4
Reach 2	593257	2 - Year	2616	992.49	1001.84		1002.22	0.005653	4.91
Reach 2	593257	5 - Year	20323	992.49	1010.36		1011.4	0.002648	8.44
Reach 2	593257	10 - Year	35288	992.49	1014.59		1016.07	0.002562	10.28
Reach 2	593257	50 - Year	78359	992.49	1022.16		1023.48	0.001794	11.22
Reach 2	593257	100 - Year	93736	992.49	1023.35		1024.63	0.001775	11.54

Reach 2	593257	500 - Year	134739	992.49	1025.87		1027.14	0.001796	12.41
Reach 2	592861	2 - Year	2616	991.58	1001.61		1001.7	0.00045	2.32
Reach 2	592861	5 - Year	20323	991.58	1009.87		1010.59	0.00133	7.05
Reach 2	592861	10 - Year	35288	991.58	1014.02		1015.2	0.001595	9.15
Reach 2	592861	50 - Year	78359	991.58	1022		1022.81	0.001024	9.31
Reach 2	592861	100 - Year	93736	991.58	1023.21		1023.98	0.000999	9.47
Reach 2	592861	500 - Year	134739	991.58	1025.72		1026.48	0.001017	10.13
Reach 2	592429	2 - Year	2616	990.42	1001.37		1001.46	0.000665	2.47
Reach 2	592429	5 - Year	20323	990.42	1009.22		1009.97	0.00156	7.03
Reach 2	592429	10 - Year	35288	990.42	1013.46		1014.47	0.001552	8.51
Reach 2	592429	50 - Year	78359	990.42	1021.82		1022.36	0.000742	7.69
Reach 2	592429	100 - Year	93736	990.42	1022.94		1023.55	0.000824	8.34
Reach 2	592429	500 - Year	134739	990.42	1025.28		1026.05	0.001025	9.85
Reach 2	592098	2 - Year	2616	992.67	1000.92		1001.07	0.002455	3.14
Reach 2	592098	5 - Year	20323	992.67	1008.6		1009.3	0.002675	7
Reach 2	592098	10 - Year	35288	992.67	1012.83		1013.83	0.002613	8.55
Reach 2	592098	50 - Year	78359	992.67	1020.99		1021.98	0.001869	9.58
Reach 2	592098	100 - Year	93736	992.67	1022.1		1023.13	0.001949	10.08
Reach 2	592098	500 - Year	134739	992.67	1024.4		1025.57	0.002204	11.37
Reach 2	591898	2 - Year	2616	992.08	1000.07		1000.4	0.004578	4.61
Reach 2	591898	5 - Year	20323	992.08	1007.33		1008.51	0.005473	9.34
Reach 2	591898	10 - Year	35288	992.08	1012.01		1013.2	0.003613	9.76
Reach 2	591898	50 - Year	78359	992.08	1020.22		1021.5	0.002733	11.36
Reach 2	591898	100 - Year	93736	992.08	1021.37		1022.65	0.002746	11.76
Reach 2	591898	500 - Year	134739	992.08	1023.85		1025.08	0.002688	12.41
Reach 2	591695	2 - Year	2616	990.92	999.03		999.37	0.005719	5.21
Reach 2	591695	5 - Year	20323	990.92	1007.38		1007.57	0.001239	4.11
Reach 2	591695	10 - Year	35288	990.92	1012.19		1012.42	0.000848	4.52
Reach 2	591695	50 - Year	78359	990.92	1020.33		1020.75	0.001107	7.02
Reach 2	591695	100 - Year	93736	990.92	1021.45		1021.91	0.001164	7.44
Reach 2	591695	500 - Year	134739	990.92	1023.86		1024.38	0.001251	8.23
Reach 2	591409	2 - Year	2616	988.08	998.29		998.46	0.001803	3.68
Reach 2	591409	5 - Year	20323	988.08	1007.13		1007.27	0.000756	3.63
Reach 2	591409	10 - Year	35288	988.08	1012.02		1012.2	0.000588	4.09
Reach 2	591409	50 - Year	78359	988.08	1020.16		1020.44	0.000765	6.14
Reach 2	591409	100 - Year	93736	988.08	1021.28		1021.58	0.000805	6.5
Reach 2	591409	500 - Year	134739	988.08	1023.66		1024.02	0.000909	7.33
Reach 2	590856	2 - Year	2616	990	997.67		997.74	0.000976	2.45
Reach 2	590856	5 - Year	20323	990	1006.85		1006.96	0.000467	3.36
Reach 2	590856	10 - Year	35288	990	1011.79		1011.93	0.00043	3.95

Reach 2	590856	50 - Year	78359	990	1019.87		1020.09	0.000549	5.66
Reach 2	590856	100 - Year	93736	990	1020.98		1021.21	0.000583	5.99
Reach 2	590856	500 - Year	134739	990	1023.32		1023.6	0.000683	6.83
Reach 2	590350	2 - Year	2616	988.51	997.23		997.29	0.000788	2.13
Reach 2	590350	5 - Year	20323	988.51	1006.29		1006.58	0.001196	4.98
Reach 2	590350	10 - Year	35288	988.51	1011.14		1011.56	0.00119	6.04
Reach 2	590350	50 - Year	78359	988.51	1019.33		1019.7	0.001005	7.06
Reach 2	590350	100 - Year	93736	988.51	1020.5		1020.83	0.000938	7.01
Reach 2	590350	500 - Year	134739	988.51	1022.88		1023.2	0.000928	7.36
Reach 2	589825	2 - Year	2616	980.83	996.95		997	0.000395	1.81
Reach 2	589825	5 - Year	20323	980.83	1005.19		1005.75	0.001706	6.1
Reach 2	589825	10 - Year	35288	980.83	1009.69		1010.61	0.002006	7.9
Reach 2	589825	50 - Year	78359	980.83	1017.59		1018.75	0.002011	9.93
Reach 2	589825	100 - Year	93736	980.83	1018.95		1019.96	0.001861	9.87
Reach 2	589825	500 - Year	134739	980.83	1021.66		1022.44	0.001604	9.74
Reach 2	589459	2 - Year	2616	984.81	996.68	990.91	996.76	0.001061	2.35
Reach 2	589459	5 - Year	20323	984.81	1004.28	998.09	1004.95	0.002543	6.73
Reach 2	589459	10 - Year	35288	984.81	1008.88	1000.99	1009.8	0.002451	8.12
Reach 2	589459	50 - Year	78359	984.81	1016.59	1006.69	1017.87	0.00249	10.48
Reach 2	589459	100 - Year	93736	984.81	1018.13	1008.91	1019.2	0.002176	10.2
Reach 2	589459	500 - Year	134739	984.81	1020.78	1012.62	1021.71	0.002026	10.49
Reach 2	589350		Culvert						
Reach 2	589245	2 - Year	2616	983.5	994.29		994.49	0.00263	3.58
Reach 2	589245	5 - Year	20323	983.5	1003.87		1004.67	0.002935	7.43
Reach 2	589245	10 - Year	35288	983.5	1008.46		1009.48	0.002689	8.69
Reach 2	589245	50 - Year	78359	983.5	1017.11		1017.75	0.001495	8.44
Reach 2	589245	100 - Year	93736	983.5	1018.58		1019.1	0.001303	8.16
Reach 2	589245	500 - Year	134739	983.5	1021.21		1021.61	0.001083	7.9
Reach 2	589138	2 - Year	2616	983.5	994.06		994.23	0.00199	3.35
Reach 2	589138	5 - Year	20323	983.5	1003.58		1004.33	0.002615	7.58
Reach 2	589138	10 - Year	35288	983.5	1008.2		1009.14	0.002505	8.88
Reach 2	589138	50 - Year	78359	983.5	1016.96		1017.54	0.001455	8.66
Reach 2	589138	100 - Year	93736	983.5	1018.44		1018.94	0.001309	8.5
Reach 2	589138	500 - Year	134739	983.5	1021.1		1021.48	0.001071	8.14
Reach 2	588781	2 - Year	2616	983.5	993.11		993.36	0.002883	4.01
Reach 2	588781	5 - Year	20323	983.5	1002.69		1003.36	0.00227	7.51
Reach 2	588781	10 - Year	35288	983.5	1007.53		1008.19	0.001716	7.93
Reach 2	588781	50 - Year	78359	983.5	1016.6		1017	0.000942	7.62
Reach 2	588781	100 - Year	93736	983.5	1018.1		1018.46	0.000874	7.6
Reach 2	588781	500 - Year	134739	983.5	1020.79		1021.1	0.000785	7.63

Reach 2	588284	2 - Year	2616	983.42	992.05		992.17	0.001898	2.75
Reach 2	588284	5 - Year	20323	983.42	1002.22		1002.54	0.000961	4.8
Reach 2	588284	10 - Year	35288	983.42	1007.08		1007.5	0.000901	5.68
Reach 2	588284	50 - Year	78359	983.42	1016.02		1016.54	0.000829	7.07
Reach 2	588284	100 - Year	93736	983.42	1017.49		1018.02	0.000835	7.35
Reach 2	588284	500 - Year	134739	983.42	1020.14		1020.67	0.000873	7.97
Reach 2	587528	2 - Year	2616	979.83	990.91		991.05	0.001173	3.03
Reach 2	587528	5 - Year	20323	979.83	1000.37		1001.24	0.002599	7.58
Reach 2	587528	10 - Year	35288	979.83	1005.11		1006.25	0.002395	8.93
Reach 2	587528	50 - Year	78359	979.83	1014.76		1015.68	0.001472	9.34
Reach 2	587528	100 - Year	93736	979.83	1016.37		1017.21	0.001376	9.38
Reach 2	587528	500 - Year	134739	979.83	1019.11		1019.89	0.001362	9.91
Reach 2	586704	2 - Year	2616	979.5	988.35		988.77	0.011128	5.16
Reach 2	586704	5 - Year	20323	979.5	998.81		999.24	0.001849	5.85
Reach 2	586704	10 - Year	35288	979.5	1003.91		1004.41	0.001497	6.56
Reach 2	586704	50 - Year	78359	979.5	1013.95		1014.48	0.001105	7.56
Reach 2	586704	100 - Year	93736	979.5	1015.6		1016.1	0.00106	7.69
Reach 2	586704	500 - Year	134739	979.5	1018.33		1018.82	0.001072	8.2
Reach 2	586149	2 - Year	2616	974.86	985.37		985.66	0.003294	4.3
Reach 2	586149	5 - Year	20323	974.86	997.28		998.05	0.002365	7.63
Reach 2	586149	10 - Year	35288	974.86	1002.61		1003.44	0.001972	8.42
Reach 2	586149	50 - Year	78359	974.86	1013.42		1013.89	0.000993	7.82
Reach 2	586149	100 - Year	93736	974.86	1015.15		1015.54	0.000869	7.58
Reach 2	586149	500 - Year	134739	974.86	1017.86		1018.25	0.000888	8.06
Reach 2	585592	2 - Year	2611	975.44	984.77		984.85	0.000723	2.31
Reach 2	585592	5 - Year	20291	975.44	996.53		997.05	0.001238	5.92
Reach 2	585592	10 - Year	35143	975.44	1001.69		1002.51	0.001448	7.58
Reach 2	585592	50 - Year	78186	975.44	1012.02		1013.16	0.001459	9.73
Reach 2	585592	100 - Year	93753	975.44	1013.98		1014.91	0.001273	9.45
Reach 2	585592	500 - Year	134663	975.44	1016.64		1017.59	0.001389	10.35
Reach 2	585195	2 - Year	2611	972.75	984.59		984.65	0.000362	2.02
Reach 2	585195	5 - Year	20291	972.75	996.08		996.62	0.00099	6.04
Reach 2	585195	10 - Year	35143	972.75	1001.05		1001.96	0.00128	8
Reach 2	585195	50 - Year	78186	972.75	1011.37		1012.61	0.001312	10.25
Reach 2	585195	100 - Year	93753	972.75	1013.24		1014.39	0.001267	10.43
Reach 2	585195	500 - Year	134663	972.75	1015.89		1017.04	0.001374	11.38
Reach 2	584740	2 - Year	2611	974.77	984.19		984.36	0.001224	3.31
Reach 2	584740	5 - Year	20291	974.77	994.86		995.91	0.002364	8.68
Reach 2	584740	10 - Year	35143	974.77	999.54		1001.09	0.002731	10.94
Reach 2	584740	50 - Year	78186	974.77	1010.66		1011.92	0.001779	11.59

Reach 2	584740	100 - Year	93753	974.77	1012.64		1013.74	0.001615	11.48
Reach 2	584740	500 - Year	134663	974.77	1015.41		1016.33	0.001508	11.67
Reach 2	584036	2 - Year	2611	971.92	983.06		983.23	0.002235	3.64
Reach 2	584036	5 - Year	20291	971.92	993.83		994.3	0.001578	6.63
Reach 2	584036	10 - Year	35143	971.92	998.62		999.24	0.001554	7.86
Reach 2	584036	50 - Year	78186	971.92	1009.83		1010.61	0.001425	10.07
Reach 2	584036	100 - Year	93753	971.92	1011.98		1012.58	0.001151	9.45
Reach 2	584036	500 - Year	134663	971.92	1014.76		1015.28	0.001087	9.68
Reach 2	583454	2 - Year	2611	967.91	981.71		981.99	0.002043	4.23
Reach 2	583454	5 - Year	20291	967.91	993.13		993.49	0.001263	5.35
Reach 2	583454	10 - Year	35143	967.91	998.05		998.47	0.00104	5.98
Reach 2	583454	50 - Year	78186	967.91	1009.36		1009.93	0.000866	7.51
Reach 2	583454	100 - Year	93753	967.91	1011.6		1012.05	0.000698	7.08
Reach 2	583454	500 - Year	134663	967.91	1014.32		1014.8	0.000772	7.86
Reach 2	583006	2 - Year	2611	973.92	980.3		980.64	0.004708	4.7
Reach 2	583006	5 - Year	20291	973.92	991.87		992.62	0.002586	7.54
Reach 2	583006	10 - Year	35143	973.92	997.16		997.83	0.001796	7.7
Reach 2	583006	50 - Year	78186	973.92	1008.28		1009.3	0.001733	10.14
Reach 2	583006	100 - Year	93753	973.92	1011.14		1011.67	0.001038	8.31
Reach 2	583006	500 - Year	134663	973.92	1013.93		1014.44	0.001034	8.75
Reach 2	582502	2 - Year	2611	967.11	979.86		979.93	0.000498	2.19
Reach 2	582502	5 - Year	20291	967.11	990.98		991.61	0.001488	6.48
Reach 2	582502	10 - Year	35143	967.11	995.86		996.86	0.001822	8.4
Reach 2	582502	50 - Year	78186	967.11	1006.03		1008.04	0.002382	12.24
Reach 2	582502	100 - Year	93753	967.11	1009.41		1010.81	0.001735	11.14
Reach 2	582502	500 - Year	134663	967.11	1012.6		1013.71	0.001556	11.16
Reach 2	582115	2 - Year	2611	972	979.11		979.44	0.003941	4.61
Reach 2	582115	5 - Year	20291	972	989.72		990.72	0.002928	8.28
Reach 2	582115	10 - Year	35143	972	994.78		995.99	0.002517	9.47
Reach 2	582115	50 - Year	78186	972	1004.96		1006.74	0.002331	12.17
Reach 2	582115	100 - Year	93753	972	1007.86		1009.86	0.002377	13.11
Reach 2	582115	500 - Year	134663	972	1011.19		1012.85	0.002159	13.35
Reach 2	581611	2 - Year	2611	968.22	977.27		977.59	0.00343	4.54
Reach 2	581611	5 - Year	20291	968.22	988.42		989.3	0.002601	7.76
Reach 2	581611	10 - Year	35143	968.22	993.59		994.76	0.002352	9.15
Reach 2	581611	50 - Year	78186	968.22	1003.65		1005.57	0.002334	12.15
Reach 2	581611	100 - Year	93753	968.22	1006.03	994.23	1008.54	0.002733	13.86
Reach 2	581611	500 - Year	134663	968.22	1009.77		1011.72	0.002318	13.76
Reach 2	581009	2 - Year	2611	965.8	975.49	971.79	975.73	0.002726	3.93
Reach 2	581009	5 - Year	20291	965.8	987.11	979.5	987.88	0.00204	7.09

Reach 2	581009	10 - Year	35143	965.8	992.32	982.86	993.44	0.002011	8.67
Reach 2	581009	50 - Year	78186	965.8	1002.32	990.24	1004.23	0.002126	11.76
Reach 2	581009	100 - Year	93753	965.8	1004.91	992.27	1006.89	0.00208	12.3
Reach 2	581009	500 - Year	134663	965.8	1008.83	997.44	1010.4	0.00179	12.32
Reach 2	580436	2 - Year	2611	964.92	974.27		974.47	0.001743	3.59
Reach 2	580436	5 - Year	20291	964.92	986.12		986.78	0.001656	6.8
Reach 2	580436	10 - Year	35143	964.92	991.53		992.3	0.001426	7.7
Reach 2	580436	50 - Year	78186	964.92	1001.91		1002.84	0.001218	9.29
Reach 2	580436	100 - Year	93753	964.92	1004.52		1005.5	0.001229	9.84
Reach 2	580436	500 - Year	134663	964.92	1008.38		1009.25	0.001154	10.24
Reach 2	579980	2 - Year	2611	965.53	973.11		973.43	0.002929	4.51
Reach 2	579980	5 - Year	20291	965.53	984.8		985.75	0.002896	8.12
Reach 2	579980	10 - Year	35143	965.53	990.31		991.43	0.002337	9.16
Reach 2	579980	50 - Year	78186	965.53	1000.58		1002.04	0.001992	11.26
Reach 2	579980	100 - Year	93753	965.53	1002.86		1004.61	0.002196	12.43
Reach 2	579980	500 - Year	134663	965.53	1007.03		1008.48	0.001902	12.57
Reach 2	579307	2 - Year	2611	961.53	971.57		971.76	0.001972	3.51
Reach 2	579307	5 - Year	20291	961.53	983.72		984.27	0.001363	6.2
Reach 2	579307	10 - Year	35143	961.53	989.32		990.11	0.00134	7.53
Reach 2	579307	50 - Year	78186	961.53	999.47		1000.85	0.001552	10.51
Reach 2	579307	100 - Year	93753	961.53	1002.02		1003.22	0.001353	10.34
Reach 2	579307	500 - Year	134663	961.53	1006.26		1007.29	0.001204	10.54
Reach 2	578618	2 - Year	2611	960.95	970.65		970.77	0.001032	2.86
Reach 2	578618	5 - Year	20291	960.95	982.74		983.35	0.001298	6.42
Reach 2	578618	10 - Year	35143	960.95	988.27		989.16	0.00138	7.97
Reach 2	578618	50 - Year	78186	960.95	997.5		999.49	0.002034	12.14
Reach 2	578618	100 - Year	93753	960.95	1000.03		1001.95	0.001916	12.4
Reach 2	578618	500 - Year	134663	960.95	1003.18	990.59	1005.73	0.002484	14.96
Reach 2	578131	2 - Year	2611	959.08	970.3		970.39	0.000562	2.41
Reach 2	578131	5 - Year	20291	959.08	982.08		982.72	0.001275	6.45
Reach 2	578131	10 - Year	35143	959.08	987.41		988.43	0.001496	8.33
Reach 2	578131	50 - Year	78186	959.08	996.61		998.48	0.001936	11.86
Reach 2	578131	100 - Year	93753	959.08	999.24		1000.98	0.001771	11.95
Reach 2	578131	500 - Year	134663	959.08	1002.41		1004.36	0.002038	13.59
Reach 2	577776	2 - Year	2611	961.29	969.97		970.09	0.001323	2.81
Reach 2	577776	5 - Year	20291	961.29	981.71		982.22	0.001196	5.75
Reach 2	577776	10 - Year	35143	961.29	987.01		987.84	0.001324	7.35
Reach 2	577776	50 - Year	78186	961.29	996.13		997.69	0.001663	10.5
Reach 2	577776	100 - Year	93753	961.29	998.88		1000.22	0.001419	10.28
Reach 2	577776	500 - Year	134663	961.29	1002		1003.48	0.001604	11.61

Reach 2	577429	2 - Year	2611	959.31	969.62		969.73	0.000805	2.6
Reach 2	577429	5 - Year	20291	959.31	980.8		981.61	0.001941	7.33
Reach 2	577429	10 - Year	35143	959.31	985.78		987.09	0.002354	9.52
Reach 2	577429	50 - Year	78186	959.31	993.96		996.58	0.003425	14.09
Reach 2	577429	100 - Year	93753	959.31	995.85	985.84	998.95	0.003849	15.54
Reach 2	577429	500 - Year	134663	959.31	999.68	992.62	1002.36	0.003554	16.07
Reach 2	576961	2 - Year	2676	956.4	969.48		969.52	0.000181	1.67
Reach 2	576961	5 - Year	20789	956.4	980.31		980.79	0.000812	5.78
Reach 2	576961	10 - Year	35477	956.4	985.2		985.97	0.001031	7.5
Reach 2	576961	50 - Year	80250	956.4	993.04		994.78	0.001795	11.83
Reach 2	576961	100 - Year	97050	956.4	994.77		996.93	0.002134	13.33
Reach 2	576961	500 - Year	138002	956.4	998.54		1000.76	0.002223	14.57
Reach 2	576557	2 - Year	2676	962.94	969.13		969.3	0.002311	3.43
Reach 2	576557	5 - Year	20789	962.94	979.76		980.33	0.001583	6.49
Reach 2	576557	10 - Year	35477	962.94	984.54		985.41	0.001727	8.16
Reach 2	576557	50 - Year	80250	962.94	991.84		993.84	0.002788	12.79
Reach 2	576557	100 - Year	97050	962.94	993.52		995.87	0.003133	14.11
Reach 2	576557	500 - Year	138002	962.94	996.23	987.52	999.35	0.004003	16.94
Reach 2	576302	2 - Year	2676	961	968.69		968.84	0.001326	3.02
Reach 2	576302	5 - Year	20789	961	978.89		979.73	0.002033	7.59
Reach 2	576302	10 - Year	35477	961	983.4		984.69	0.002329	9.62
Reach 2	576302	50 - Year	80250	961	991.27		992.84	0.002317	11.95
Reach 2	576302	100 - Year	97050	961	992.98		994.55	0.002313	12.43
Reach 2	576302	500 - Year	138002	961	995.61		997.51	0.002795	14.46
Reach 2	576021	2 - Year	2676	958.5	968.42		968.53	0.000836	2.76
Reach 2	576021	5 - Year	20789	958.5	978.22		979.13	0.002117	7.99
Reach 2	576021	10 - Year	35477	958.5	982.75		984.04	0.002336	9.87
Reach 2	576021	50 - Year	80250	958.5	990.55		992.16	0.002419	12.39
Reach 2	576021	100 - Year	97050	958.5	992.14		993.83	0.002535	13.15
Reach 2	576021	500 - Year	138002	958.5	994.91		996.65	0.002703	14.39
Reach 2	575522	2 - Year	2676	956.29	968.22		968.28	0.000292	1.99
Reach 2	575522	5 - Year	20789	956.29	977.51		978.21	0.001412	7.01
Reach 2	575522	10 - Year	35477	956.29	981.89		982.98	0.001752	9
Reach 2	575522	50 - Year	80250	956.29	989.47		991.02	0.002108	11.97
Reach 2	575522	100 - Year	97050	956.29	990.79		992.59	0.00242	13.19
Reach 2	575522	500 - Year	138002	956.29	993.54		995.35	0.002552	14.32
Reach 2	574986	2 - Year	2676	952.98	968.16	958.24	968.2	0.000091	1.44
Reach 2	574986	5 - Year	20789	952.98	977.17	965.19	977.68	0.000616	5.76
Reach 2	574986	10 - Year	35477	952.98	981.39	968.64	982.28	0.000856	7.76
Reach 2	574986	50 - Year	80250	952.98	988.12	976.45	990.05	0.001484	12.11
Reach 2	574986	100 - Year	97050	952.98	989.59	979.55	991.55	0.001538	12.74

Reach 2	574986	500 - Year	138002	952.98	991.83	985.05	994.14	0.001878	14.73
Reach 2	574342	2 - Year	2676	956.28	968.1	960.63	968.13	0.000129	1.4
Reach 2	574342	5 - Year	20789	956.28	976.89	966.44	977.23	0.00052	4.78
Reach 2	574342	10 - Year	35477	956.28	981.07	969.15	981.65	0.000654	6.25
Reach 2	574342	50 - Year	80250	956.28	987.69	975.55	988.88	0.001043	9.54
Reach 2	574342	100 - Year	97050	956.28	989.1	977.44	990.38	0.001117	10.21
Reach 2	574342	500 - Year	138002	956.28	991.37	981.42	992.69	0.001224	11.25
Reach 2	573455	2 - Year	2676	956	967.89	960.93	967.95	0.000308	2.06
Reach 2	573455	5 - Year	20789	956	975.97	968.32	976.55	0.001157	6.29
Reach 2	573455	10 - Year	35477	956	979.96	971.7	980.83	0.001281	7.86
Reach 2	573455	50 - Year	80250	956	986.14	978.04	987.68	0.001774	11.31
Reach 2	573455	100 - Year	97050	956	987.32	979.82	989.06	0.001982	12.35
Reach 2	573455	500 - Year	138002	956	989.76	984	991.36	0.001928	12.96
Reach 2	572822	2 - Year	2676	953.21	967.81	957.05	967.84	0.000106	1.38
Reach 2	572822	5 - Year	20789	953.21	975.55	964.52	975.95	0.000677	5.13
Reach 2	572822	10 - Year	35477	953.21	979.43	968.65	980.12	0.000875	6.8
Reach 2	572822	50 - Year	80250	953.21	985.32	974.99	986.66	0.001356	10.16
Reach 2	572822	100 - Year	97050	953.21	986.37	976.94	987.92	0.001557	11.19
Reach 2	572822	500 - Year	138002	953.21	988.81	981.82	990.26	0.001548	11.85
Reach 2	572152	2 - Year	2676	957.68	967.65	962.77	967.71	0.000409	1.86
Reach 2	572152	5 - Year	20789	957.68	974.91	968.21	975.38	0.001049	5.55
Reach 2	572152	10 - Year	35477	957.68	978.69	970.46	979.44	0.001172	7.05
Reach 2	572152	50 - Year	80250	957.68	984.06	975.92	985.6	0.001819	10.68
Reach 2	572152	100 - Year	97050	957.68	985.26	977.62	986.79	0.00183	11.12
Reach 2	572152	500 - Year	138002	957.68	987.67	981.48	989.16	0.001818	11.87
Reach 2	571681	2 - Year	2676	960.8	967.24	964.95	967.36	0.001381	2.85
Reach 2	571681	5 - Year	20789	960.8	974.12	969.54	974.72	0.001754	6.6
Reach 2	571681	10 - Year	35477	960.8	978.08	971.93	978.82	0.001502	7.57
Reach 2	571681	50 - Year	80250	960.8	983.78	976.75	984.48	0.001258	8.65
Reach 2	571681	100 - Year	97050	960.8	985.03	978.43	985.68	0.001175	8.7
Reach 2	571681	500 - Year	138002	960.8	987.47	983.38	988.08	0.001092	9.02
Reach 2	571085	2 - Year	2676	959.89	964.96	963.97	965.48	0.012033	5.81
Reach 2	571085	5 - Year	20789	959.89	972.9	969.19	973.36	0.002904	5.96
Reach 2	571085	10 - Year	35477	959.89	977.53	971.36	977.87	0.001329	5.42
Reach 2	571085	50 - Year	80250	959.89	983.54	975.05	983.79	0.000788	5.38
Reach 2	571085	100 - Year	97050	959.89	984.78	976	985.03	0.000767	5.53
Reach 2	571085	500 - Year	138002	959.89	987.2	978.4	987.47	0.000776	6
Reach 2	570449	2 - Year	2676	953.03	959.91	957.64	960.38	0.005711	5.5
Reach 2	570449	5 - Year	20789	953.03	970.97	965.88	971.73	0.002578	7.69
Reach 2	570449	10 - Year	35477	953.03	975.86	968.45	976.83	0.002288	8.9

Reach 2	570449	50 - Year	80250	953.03	982.94	974.35	983.28	0.000966	7.19
Reach 2	570449	100 - Year	97050	953.03	984.23	977.73	984.55	0.000908	7.2
Reach 2	570449	500 - Year	138002	953.03	986.66	979.88	986.99	0.000891	7.56
Reach 2	569930	2 - Year	2673	951.91	958.75	954.8	958.91	0.001412	3.17
Reach 2	569930	5 - Year	20765	951.91	969.86	961.72	970.62	0.00202	7.01
Reach 2	569930	10 - Year	35284	951.91	974.67	965.31	975.76	0.002045	8.58
Reach 2	569930	50 - Year	80217	951.91	982.41	972.91	982.85	0.000911	7.19
Reach 2	569930	100 - Year	97079	951.91	983.72	976	984.14	0.000882	7.31
Reach 2	569930	500 - Year	138061	951.91	986.15	979.29	986.59	0.000912	7.85
Reach 2	569134	2 - Year	2673	947.47	957.46		957.66	0.001727	3.59
Reach 2	569134	5 - Year	20765	947.47	967.59		968.67	0.002878	8.56
Reach 2	569134	10 - Year	35284	947.47	972.33		973.82	0.00291	10.36
Reach 2	569134	50 - Year	80217	947.47	977.99	974.02	980.97	0.004765	15.72
Reach 2	569134	100 - Year	97079	947.47	979.87	975.71	982.49	0.00426	15.59
Reach 2	569134	500 - Year	138061	947.47	983.21		985.25	0.003524	15.33
Reach 2	568409	2 - Year	2673	950.05	955.64	953.65	955.92	0.00338	4.24
Reach 2	568409	5 - Year	20765	950.05	965.64	959.79	966.74	0.002558	8.64
Reach 2	568409	10 - Year	35284	950.05	970.21	963.13	971.83	0.002653	10.65
Reach 2	568409	50 - Year	80217	950.05	976.15	971.05	977.76	0.002553	12.58
Reach 2	568409	100 - Year	97079	950.05	978.23	974.53	979.76	0.002372	12.81
Reach 2	568409	500 - Year	138061	950.05	982.08	977.25	983.18	0.001751	12.05
Reach 2	567722	2 - Year	2673	944.99	954.04	951.04	954.21	0.00183	3.53
Reach 2	567722	5 - Year	20765	944.99	965.13	956.89	965.43	0.00085	5.37
Reach 2	567722	10 - Year	35284	944.99	969.98	959.19	970.34	0.000778	6.14
Reach 2	567722	50 - Year	80217	944.99	975.6	964.25	976.19	0.001163	8.83
Reach 2	567722	100 - Year	97079	944.99	977.73	965.93	978.3	0.001079	8.95
Reach 2	567722	500 - Year	138061	944.99	981.48	969.6	982.1	0.001078	9.72
Reach 2	566980	2 - Year	2673	941.67	952.37	948.78	952.67	0.002396	4.36
Reach 2	566980	5 - Year	20765	941.67	963.04	957.56	964.24	0.002647	9.35
Reach 2	566980	10 - Year	35284	941.67	967.72	961.55	969.18	0.002522	10.87
Reach 2	566980	50 - Year	80217	941.67	974.02	969.58	975.14	0.001984	11.56
Reach 2	566980	100 - Year	97079	941.67	976.15	970.91	977.3	0.001952	12.06
Reach 2	566980	500 - Year	138061	941.67	980.01	973.04	981.16	0.001833	12.72
Reach 2	566158	2 - Year	2673	941.49	950.76	946.66	950.98	0.001711	3.78
Reach 2	566158	5 - Year	20765	941.49	961.32	954.8	962.22	0.001952	8.03
Reach 2	566158	10 - Year	35284	941.49	965.74	957.98	967.17	0.002303	10.33
Reach 2	566158	50 - Year	80217	941.49	972.13	962.92	973.41	0.002018	11.65
Reach 2	566158	100 - Year	97079	941.49	974.32	965.45	975.62	0.001944	12.06
Reach 2	566158	500 - Year	138061	941.49	978.15	970.92	979.51	0.001904	12.99
Reach 2	565406	2 - Year	2673	939.94	948.86	945.85	949.23	0.003142	4.89

Reach 2	565406	5 - Year	20765	939.94	958.08	954.68	959.82	0.004757	10.96
Reach 2	565406	10 - Year	35284	939.94	961.82	958.11	964.38	0.005222	13.61
Reach 2	565406	50 - Year	80217	939.94	969.23	965.85	971.31	0.003611	14.48
Reach 2	565406	100 - Year	97079	939.94	971.64	967.3	973.66	0.003303	14.76
Reach 2	565406	500 - Year	138061	939.94	975.84	969.99	977.74	0.002901	15.26
Reach 2	564668	2 - Year	2673	940	947.13	943.82	947.35	0.002016	3.79
Reach 2	564668	5 - Year	20765	940	955.58	950.91	956.69	0.003392	8.49
Reach 2	564668	10 - Year	35284	940	959.29	953.94	960.97	0.003567	10.56
Reach 2	564668	50 - Year	80217	940	967.67	962.79	969.12	0.002207	11.2
Reach 2	564668	100 - Year	97079	940	970.27	964.15	971.67	0.00196	11.33
Reach 2	564668	500 - Year	138061	940	974.19	966.73	975.92	0.002144	13.02
Reach 2	564360	2 - Year	2673	939.09	945.89	944.61	946.33	0.006067	5.34
Reach 2	564360	5 - Year	20765	939.09	954.41	950.66	955.62	0.003481	8.84
Reach 2	564360	10 - Year	35284	939.09	958.1	953.45	959.89	0.003383	10.79
Reach 2	564360	50 - Year	80217	939.09	966.45	959.49	968.37	0.002305	12.3
Reach 2	564360	100 - Year	97079	939.09	969.75	962.62	971.13	0.00157	11.15
Reach 2	564360	500 - Year	138061	939.09	974.08	967.93	975.25	0.001257	11.1
Reach 2	564044	2 - Year	2680	936.24	945.39		945.55	0.001126	3.26
Reach 2	564044	5 - Year	20823	936.24	953.65		954.71	0.002221	8.56
Reach 2	564044	10 - Year	35300	936.24	957.62		958.91	0.0021	9.94
Reach 2	564044	50 - Year	80482	936.24	966.07		967.63	0.001798	12.04
Reach 2	564044	100 - Year	97465	936.24	968.64		970.54	0.001944	13.35
Reach 2	564044	500 - Year	138462	936.24	973.3		974.8	0.001504	13.01
Reach 2	563644	2 - Year	2680	936.67	945.06		945.18	0.000731	2.81
Reach 2	563644	5 - Year	20823	936.67	953.12		953.84	0.001652	7.17
Reach 2	563644	10 - Year	35300	936.67	957.16		958.06	0.001555	8.39
Reach 2	563644	50 - Year	80482	936.67	965.55		966.88	0.001498	10.83
Reach 2	563644	100 - Year	97465	936.67	967.97		969.74	0.001746	12.43
Reach 2	563644	500 - Year	138462	936.67	972.36		974.11	0.001607	13.17
Reach 2	563150	2 - Year	2680	937.2	944.37	942.69	944.55	0.002669	3.43
Reach 2	563150	5 - Year	20823	937.2	952.53	947.21	953.04	0.001387	6.07
Reach 2	563150	10 - Year	35300	937.2	956.62	949.42	957.32	0.001282	7.2
Reach 2	563150	50 - Year	80482	937.2	965.11	954.19	966.16	0.001186	9.33
Reach 2	563150	100 - Year	97465	937.2	967.39	955.86	968.69	0.001303	10.4
Reach 2	563150	500 - Year	138462	937.2	972.11	959.75	973.32	0.001106	10.71
Reach 2	562640	2 - Year	2680	936.83	942.91		943.11	0.003024	3.58
Reach 2	562640	5 - Year	20823	936.83	951.91		952.39	0.001161	5.58
Reach 2	562640	10 - Year	35300	936.83	956.02		956.71	0.001133	6.8
Reach 2	562640	50 - Year	80482	936.83	964.07		965.49	0.001354	9.86
Reach 2	562640	100 - Year	97465	936.83	966.51		968.02	0.001316	10.38
Reach 2	562640	500 - Year	138462	936.83	971.25		972.73	0.001162	10.92

Reach 2	562254	2 - Year	2680	934.34	942.52	939.09	942.61	0.000646	2.39
Reach 2	562254	5 - Year	20823	934.34	951.35	944.03	951.94	0.00112	6.29
Reach 2	562254	10 - Year	35300	934.34	955.25	946.67	956.21	0.001328	8.1
Reach 2	562254	50 - Year	80482	934.34	963.29	953.08	964.91	0.001527	11.17
Reach 2	562254	100 - Year	97465	934.34	965.63	955.03	967.43	0.001562	11.97
Reach 2	562254	500 - Year	138462	934.34	970.41	959.9	972.21	0.001425	12.7
Reach 2	561988	2 - Year	2680	934.17	942.38	938.23	942.45	0.000491	2.25
Reach 2	561988	5 - Year	20823	934.17	951.03	943.55	951.64	0.001117	6.41
Reach 2	561988	10 - Year	35300	934.17	954.91	946.24	955.85	0.001304	8.15
Reach 2	561988	50 - Year	80482	934.17	962.56	953.41	964.45	0.00176	11.99
Reach 2	561988	100 - Year	97465	934.17	964.97	955.32	966.98	0.001733	12.64
Reach 2	561988	500 - Year	138462	934.17	969.77	959.13	971.78	0.001594	13.46
Reach 2	561701	2 - Year	2680	934.59	942.18	938.94	942.28	0.000747	2.55
Reach 2	561701	5 - Year	20823	934.59	950.65	943.98	951.29	0.001299	6.64
Reach 2	561701	10 - Year	35300	934.59	954.42	946.62	955.44	0.001522	8.49
Reach 2	561701	50 - Year	80482	934.59	961.79	953.11	963.88	0.002073	12.6
Reach 2	561701	100 - Year	97465	934.59	964.11	955.03	966.4	0.002083	13.43
Reach 2	561701	500 - Year	138462	934.59	969.27	958.59	971.31	0.001686	13.59
Reach 2	561383	2 - Year	2680	935.31	941.62	939.18	941.89	0.002108	4.2
Reach 2	561383	5 - Year	20823	935.31	949.98	945.55	950.76	0.002066	8.27
Reach 2	561383	10 - Year	35300	935.31	953.9	948.22	954.87	0.001985	9.66
Reach 2	561383	50 - Year	80482	935.31	961.7	954	963.01	0.00191	12.21
Reach 2	561383	100 - Year	97465	935.31	964.24	956.39	965.49	0.001696	12.28
Reach 2	561383	500 - Year	138462	935.31	969.35	958.81	970.56	0.001483	12.87
Reach 2	561290	2 - Year	2680	933.97	941.5	938.71	941.69	0.001456	3.58
Reach 2	561290	5 - Year	20823	933.97	949.93	944.72	950.48	0.001539	7.15
Reach 2	561290	10 - Year	35300	933.97	953.94	947.44	954.54	0.001337	7.94
Reach 2	561290	50 - Year	80482	933.97	961.81	952.81	962.62	0.001289	10
Reach 2	561290	100 - Year	97465	933.97	964.33	954.07	965.15	0.001198	10.27
Reach 2	561290	500 - Year	138462	933.97	969.41	956.94	970.27	0.001115	11.08
Reach 2	561259		Culvert						
Reach 2	561229	2 - Year	2680	933.49	940.27	938.74	940.75	0.005615	5.58
Reach 2	561229	5 - Year	20823	933.49	949.82	945.26	950.37	0.001648	7.26
Reach 2	561229	10 - Year	35300	933.49	953.82	947.65	954.41	0.001419	8.05
Reach 2	561229	50 - Year	80482	933.49	961.72	953.09	962.46	0.001261	9.79
Reach 2	561229	100 - Year	97465	933.49	964.23	954.22	964.98	0.001165	10.03
Reach 2	561229	500 - Year	138462	933.49	969.37	956.33	970.14	0.001066	10.75
Reach 2	561127	2 - Year	2680	931.75	939.68	937.4	940.23	0.004472	5.96
Reach 2	561127	5 - Year	20823	931.75	949.06	945.9	950.04	0.00275	9.3

Reach 2	561127	10 - Year	35300	931.75	953.09	948.44	954.11	0.002307	10.21
Reach 2	561127	50 - Year	80482	931.75	961.57	954.41	962.33	0.001344	10.2
Reach 2	561127	100 - Year	97465	931.75	964.13	955.1	964.85	0.001187	10.21
Reach 2	561127	500 - Year	138462	931.75	969.31	957.78	969.99	0.00102	10.6
Reach 2	560671	2 - Year	2680	930.25	938.3	934.63	938.57	0.00274	4.19
Reach 2	560671	5 - Year	20823	930.25	948.33	943.05	948.85	0.002409	6.86
Reach 2	560671	10 - Year	35300	930.25	952.54	944.87	953.11	0.002098	7.62
Reach 2	560671	50 - Year	80482	930.25	961.21	949.73	961.74	0.001392	8.03
Reach 2	560671	100 - Year	97465	930.25	963.82	953.04	964.34	0.00125	8.09
Reach 2	560671	500 - Year	138462	930.25	969.02	955.22	969.54	0.001156	8.67
Reach 2	560173	2 - Year	2680	930.14	937.02	934.18	937.24	0.002535	3.77
Reach 2	560173	5 - Year	20823	930.14	946.57	940.85	947.55	0.00294	8.23
Reach 2	560173	10 - Year	35300	930.14	950.92	944.47	952	0.002506	9.16
Reach 2	560173	50 - Year	80482	930.14	960.42	952.59	961.14	0.001302	8.78
Reach 2	560173	100 - Year	97465	930.14	963.11	953.75	963.8	0.001169	8.85
Reach 2	560173	500 - Year	138462	930.14	968.42	956.06	969.07	0.001008	9.16
Reach 2	559410	2 - Year	2680	922.54	936.72	927.65	936.79	0.000205	2.03
Reach 2	559410	5 - Year	20823	922.54	945.14	935.99	946	0.001419	7.5
Reach 2	559410	10 - Year	35300	922.54	949.47	940.34	950.62	0.001499	9.07
Reach 2	559410	50 - Year	80482	922.54	959.5	949.46	960.42	0.00096	9.51
Reach 2	559410	100 - Year	97465	922.54	962.29	953.02	963.17	0.000875	9.63
Reach 2	559410	500 - Year	138462	922.54	967.64	955.88	968.51	0.000811	10.25
Reach 2	558915	2 - Year	2680	913.83	936.73	918.16	936.74	0.00002	0.95
Reach 2	558915	5 - Year	20823	913.83	945.11	926.66	945.47	0.000308	4.87
Reach 2	558915	10 - Year	35300	913.83	949.27	930.59	950.01	0.000524	7.02
Reach 2	558915	50 - Year	80482	913.83	958.14	939.32	959.77	0.00092	11.05
Reach 2	558915	100 - Year	97465	913.83	960.43	942.07	962.4	0.001056	12.29
Reach 2	558915	500 - Year	138462	913.83	965.68	948	967.74	0.001078	13.45
Reach 2	558411	2 - Year	2680	927.42	936.61		936.69	0.000481	2.34
Reach 2	558411	5 - Year	20823	927.42	944.42		945.09	0.001348	6.91
Reach 2	558411	10 - Year	35300	927.42	948.48		949.5	0.001508	8.69
Reach 2	558411	50 - Year	80482	927.42	957.08		959.04	0.001801	12.36
Reach 2	558411	100 - Year	97465	927.42	959.62		961.69	0.001762	13
Reach 2	558411	500 - Year	138462	927.42	965.17		967	0.001427	13.16
Reach 2	557965	2 - Year	2680	927.18	936.36		936.45	0.000599	2.47
Reach 2	557965	5 - Year	20823	927.18	943.76		944.44	0.001596	7.19
Reach 2	557965	10 - Year	35300	927.18	947.8		948.8	0.001668	8.83
Reach 2	557965	50 - Year	80482	927.18	956.47		958.18	0.001814	12.15
Reach 2	557965	100 - Year	97465	927.18	959.21		960.82	0.001598	12.2
Reach 2	557965	500 - Year	138462	927.18	964.81		966.31	0.001314	12.49

Reach 2	557613	2 - Year	2680	927.4	936.12		936.23	0.000641	2.71
Reach 2	557613	5 - Year	20823	927.4	942.73		943.73	0.002397	8.68
Reach 2	557613	10 - Year	35300	927.4	946.75		948.07	0.002348	10.35
Reach 2	557613	50 - Year	80482	927.4	955.75		957.5	0.002038	12.89
Reach 2	557613	100 - Year	97465	927.4	958.76		960.22	0.001606	12.32
Reach 2	557613	500 - Year	138462	927.4	964.62		965.78	0.001152	11.82
Reach 2	557519	2 - Year	2680	926.6	936.07		936.17	0.000621	2.67
Reach 2	557519	5 - Year	20823	926.6	942.51		943.5	0.0024	8.6
Reach 2	557519	10 - Year	35300	926.6	946.57		947.83	0.002243	10.05
Reach 2	557519	50 - Year	80482	926.6	955.61		957.28	0.001932	12.51
Reach 2	557519	100 - Year	97465	926.6	958.64		960.05	0.001548	12.07
Reach 2	557519	500 - Year	138462	926.6	964.55		965.65	0.001093	11.5
Reach 2	557345	2 - Year	2680	927.58	935.94	933.09	936.02	0.000825	2.27
Reach 2	557345	5 - Year	20823	927.58	942.31	937.36	942.73	0.001356	5.64
Reach 2	557345	10 - Year	35300	927.58	946.47	939.21	946.93	0.001011	6.13
Reach 2	557345	50 - Year	80482	927.58	955.67	943.88	956.13	0.000638	6.79
Reach 2	557345	100 - Year	97465	927.58	958.71	945.16	959.09	0.000498	6.5
Reach 2	557345	500 - Year	138462	927.58	964.6	947.78	964.94	0.000366	6.38
Reach 2	557296		Culvert						
Reach 2	557246	2 - Year	2680	926.97	934.74	930.92	934.82	0.000629	2.28
Reach 2	557246	5 - Year	20823	926.97	942.18	936.3	942.59	0.001048	5.6
Reach 2	557246	10 - Year	35300	926.97	946.31	938.63	946.79	0.000907	6.35
Reach 2	557246	50 - Year	80482	926.97	955.61	943.51	956.05	0.000579	6.87
Reach 2	557246	100 - Year	97465	926.97	958.63	944.94	959.01	0.000466	6.64
Reach 2	557246	500 - Year	138462	926.97	964.51	948.01	964.85	0.000356	6.57
Reach 2	557012	2 - Year	2680	927.37	934.5	931.55	934.62	0.001009	2.89
Reach 2	557012	5 - Year	20823	927.37	941.47	937.25	942.17	0.001896	7.34
Reach 2	557012	10 - Year	35300	927.37	945.79	939.7	946.47	0.001373	7.71
Reach 2	557012	50 - Year	80482	927.37	955.3	944.88	955.86	0.00078	7.95
Reach 2	557012	100 - Year	97465	927.37	958.34	947.04	958.85	0.000648	7.82
Reach 2	557012	500 - Year	138462	927.37	964.17	949.33	964.69	0.000555	8.19
Reach 2	556683	2 - Year	2680	927.57	932.68	932.68	933.63	0.023808	7.82
Reach 2	556683	5 - Year	20823	927.57	939.45	937.98	941.04	0.006176	10.82
Reach 2	556683	10 - Year	35300	927.57	944.54	940.35	945.79	0.002863	10.07
Reach 2	556683	50 - Year	80482	927.57	954.87	945.6	955.58	0.001044	8.85
Reach 2	556683	100 - Year	97465	927.57	957.93	947.43	958.61	0.000887	8.84
Reach 2	556683	500 - Year	138462	927.57	963.77	950.11	964.49	0.000757	9.31
Reach 2	556104	2 - Year	2680	919.89	926.94	924.98	927.36	0.004036	5.2
Reach 2	556104	5 - Year	20823	919.89	937.51	932.08	938.81	0.002456	9.62
Reach 2	556104	10 - Year	35300	919.89	942.35	935.57	944.19	0.002454	11.67

Reach 2	556104	50 - Year	80482	919.89	954.04	943.93	954.99	0.001005	10.25
Reach 2	556104	100 - Year	97465	919.89	957.2	944.93	958.1	0.000893	10.32
Reach 2	556104	500 - Year	138462	919.89	963.18	949.31	964.05	0.000773	10.69
Reach 2	555589	2 - Year	2680	916.03	926.62		926.72	0.000483	2.5
Reach 2	555589	5 - Year	20823	916.03	937.14		937.85	0.001032	6.95
Reach 2	555589	10 - Year	35300	916.03	942.12		943.13	0.001106	8.54
Reach 2	555589	50 - Year	80482	916.03	953.19		954.45	0.000971	10.5
Reach 2	555589	100 - Year	97465	916.03	956.36		957.61	0.000901	10.76
Reach 2	555589	500 - Year	138462	916.03	962.28		963.59	0.000853	11.58
Reach 2	555258	2 - Year	2680	915.12	926.33		926.49	0.000973	3.2
Reach 2	555258	5 - Year	20823	915.12	936.4		937.4	0.001634	8.26
Reach 2	555258	10 - Year	35300	915.12	941.21		942.64	0.001724	10.15
Reach 2	555258	50 - Year	80482	915.12	952.09		954.01	0.001519	12.67
Reach 2	555258	100 - Year	97465	915.12	955.37		957.2	0.00136	12.81
Reach 2	555258	500 - Year	138462	915.12	961.37		963.22	0.001233	13.57
Reach 2	554915	2 - Year	2680	916.83	925.95		926.13	0.00115	3.37
Reach 2	554915	5 - Year	20823	916.83	935.71		936.8	0.001865	8.57
Reach 2	554915	10 - Year	35300	916.83	940.54		942.02	0.001855	10.31
Reach 2	554915	50 - Year	80482	916.83	951.51		953.47	0.001572	12.74
Reach 2	554915	100 - Year	97465	916.83	954.59		956.68	0.001532	13.41
Reach 2	554915	500 - Year	138462	916.83	960.06		962.66	0.001643	15.34
Reach 2	554658	2 - Year	2680	916.86	925.7		925.85	0.000953	3.16
Reach 2	554658	5 - Year	20823	916.86	935.28		936.31	0.001753	8.41
Reach 2	554658	10 - Year	35300	916.86	940.06		941.55	0.00183	10.32
Reach 2	554658	50 - Year	80482	916.86	950.75		953.01	0.001755	13.47
Reach 2	554658	100 - Year	97465	916.86	953.68		956.21	0.001782	14.43
Reach 2	554658	500 - Year	138462	916.86	959.34		962.19	0.00177	15.96
Reach 2	554312	2 - Year	2680	917.08	925.04		925.3	0.002597	4.21
Reach 2	554312	5 - Year	20823	917.08	934.6		935.56	0.002498	8.68
Reach 2	554312	10 - Year	35300	917.08	939.51		940.71	0.002228	9.99
Reach 2	554312	50 - Year	80482	917.08	950.32		952.14	0.002052	12.92
Reach 2	554312	100 - Year	97465	917.08	953.33		955.26	0.001993	13.58
Reach 2	554312	500 - Year	138462	917.08	959.1		961.18	0.001866	14.63
Reach 2	554085	2 - Year	2680	917.27	924.46		924.71	0.002588	3.98
Reach 2	554085	5 - Year	20823	917.27	934.12		935	0.002236	7.89
Reach 2	554085	10 - Year	35300	917.27	939.09		940.21	0.001964	9.13
Reach 2	554085	50 - Year	80482	917.27	949.91		951.69	0.001822	11.97
Reach 2	554085	100 - Year	97465	917.27	952.95		954.82	0.001746	12.52
Reach 2	554085	500 - Year	138462	917.27	958.75		960.76	0.001636	13.54
Reach 2	553778	2 - Year	2680	915.13	923.9		924.08	0.001564	3.47

Reach 2	553778	5 - Year	20823	915.13	933.66		934.36	0.001693	7.36
Reach 2	553778	10 - Year	35300	915.13	938.7		939.62	0.001586	8.65
Reach 2	553778	50 - Year	80482	915.13	949.45		951.11	0.001757	12.14
Reach 2	553778	100 - Year	97465	915.13	952.6		954.25	0.001615	12.42
Reach 2	553778	500 - Year	138462	915.13	958.46		960.22	0.001493	13.29
Reach 2	553488	2 - Year	2680	914.14	922.95		923.3	0.005444	4.72
Reach 2	553488	5 - Year	20823	914.14	933.07		933.82	0.002031	7.43
Reach 2	553488	10 - Year	35300	914.14	938.21		939.14	0.001722	8.52
Reach 2	553488	50 - Year	80482	914.14	949.48		950.52	0.001198	9.77
Reach 2	553488	100 - Year	97465	914.14	952.59		953.7	0.001169	10.32
Reach 2	553488	500 - Year	138462	914.14	958.49		959.69	0.00109	11.12
Reach 2	553141	2 - Year	2680	914.01	921.09		921.45	0.005181	4.84
Reach 2	553141	5 - Year	20823	914.01	932.57		933.26	0.001267	6.88
Reach 2	553141	10 - Year	35300	914.01	937.67		938.64	0.001228	8.31
Reach 2	553141	50 - Year	80482	914.01	948.61		950.07	0.001136	10.77
Reach 2	553141	100 - Year	97465	914.01	951.75		953.28	0.001083	11.23
Reach 2	553141	500 - Year	138462	914.01	957.6		959.28	0.001049	12.3
Reach 2	552657	2 - Year	2680	910.63	919.96		920.14	0.001562	3.38
Reach 2	552657	5 - Year	20823	910.63	932.17		932.72	0.000845	6
Reach 2	552657	10 - Year	35300	910.63	937.32		938.09	0.000857	7.29
Reach 2	552657	50 - Year	80482	910.63	948.24		949.55	0.000903	9.91
Reach 2	552657	100 - Year	97465	910.63	951.3		952.79	0.000931	10.69
Reach 2	552657	500 - Year	138462	910.63	956.74		958.74	0.001076	12.66
Reach 2	552343	2 - Year	2680	908.52	919.46		919.67	0.001377	3.69
Reach 2	552343	5 - Year	20823	908.52	931.68		932.4	0.001128	7
Reach 2	552343	10 - Year	35300	908.52	936.72		937.75	0.001178	8.58
Reach 2	552343	50 - Year	80482	908.52	947.36		949.16	0.001298	11.83
Reach 2	552343	100 - Year	97465	908.52	950.36		952.39	0.00133	12.71
Reach 2	552343	500 - Year	138462	908.52	955.57		958.28	0.001536	15
Reach 2	552071	2 - Year	2680	909.08	919.15		919.33	0.001115	3.39
Reach 2	552071	5 - Year	20823	909.08	931.22		932.07	0.001205	7.58
Reach 2	552071	10 - Year	35300	909.08	936.09		937.38	0.001381	9.57
Reach 2	552071	50 - Year	80482	909.08	946.55		948.75	0.001554	13.13
Reach 2	552071	100 - Year	97465	909.08	949.41		951.95	0.001646	14.29
Reach 2	552071	500 - Year	138462	909.08	954.63		957.79	0.001823	16.49
Reach 2	551845	2 - Year	2680	909.08	918.74		919.02	0.001594	4.24
Reach 2	551845	5 - Year	20823	909.08	930.3		931.66	0.002179	9.54
Reach 2	551845	10 - Year	35300	909.08	934.94		936.92	0.00238	11.82
Reach 2	551845	50 - Year	80482	909.08	945.21		948.24	0.002418	15.58
Reach 2	551845	100 - Year	97465	909.08	947.76		951.38	0.002652	17.2
Reach 2	551845	500 - Year	138462	909.08	953.1		957.21	0.002694	19.13

Reach 2	551577	2 - Year	2680	906.97	918.32		918.59	0.001573	4.16
Reach 2	551577	5 - Year	20823	906.97	929.73		931.09	0.002098	9.58
Reach 2	551577	10 - Year	35300	906.97	934.21		936.27	0.002423	12.09
Reach 2	551577	50 - Year	80482	906.97	944.09		947.52	0.002707	16.53
Reach 2	551577	100 - Year	97465	906.97	946.89		950.65	0.002744	17.64
Reach 2	551577	500 - Year	138462	906.97	952.75		956.39	0.00243	18.47
Reach 2	551296	2 - Year	2680	906.41	918.07		918.23	0.000817	3.22
Reach 2	551296	5 - Year	20823	906.41	929.36		930.46	0.001534	8.57
Reach 2	551296	10 - Year	35300	906.41	933.81		935.5	0.001846	10.92
Reach 2	551296	50 - Year	80482	906.41	943.71		946.56	0.002135	15.05
Reach 2	551296	100 - Year	97465	906.41	946.45		949.72	0.002262	16.37
Reach 2	551296	500 - Year	138462	906.41	952.6		955.4	0.001829	16.41
Reach 2	551021	2 - Year	2680	907.29	917.87		918	0.000733	2.97
Reach 2	551021	5 - Year	20823	907.29	929.11		929.96	0.001218	7.59
Reach 2	551021	10 - Year	35300	907.29	933.53		934.88	0.001482	9.74
Reach 2	551021	50 - Year	80482	907.29	943.28		945.91	0.001902	14.15
Reach 2	551021	100 - Year	97465	907.29	946.16		948.92	0.001861	14.84
Reach 2	551021	500 - Year	138462	907.29	951.37		954.72	0.00201	16.95
Reach 2	550866	2 - Year	2680	909.26	917.74		917.87	0.000972	2.85
Reach 2	550866	5 - Year	20823	909.26	929.09		929.66	0.000878	6.17
Reach 2	550866	10 - Year	35300	909.26	933.54		934.48	0.001069	8.02
Reach 2	550866	50 - Year	80482	909.26	943.38		945.31	0.001364	11.76
Reach 2	550866	100 - Year	97465	909.26	946.19		948.39	0.00141	12.69
Reach 2	550866	500 - Year	138462	909.26	951.37		954.17	0.001558	14.69
Reach 2	550603	2 - Year	2680	907.63	917.31		917.52	0.001576	3.67
Reach 2	550603	5 - Year	20823	907.63	928.89		929.4	0.000916	6.36
Reach 2	550603	10 - Year	35300	907.63	933.34		934.13	0.001057	8.03
Reach 2	550603	50 - Year	80482	907.63	943.29		944.75	0.001236	11.28
Reach 2	550603	100 - Year	97465	907.63	946.12		947.78	0.001278	12.17
Reach 2	550603	500 - Year	138462	907.63	951.4		953.42	0.001363	13.86
Reach 2	550372	2 - Year	2680	905.36	917.14		917.27	0.000599	2.91
Reach 2	550372	5 - Year	20823	905.36	928.7		929.2	0.000791	6.4
Reach 2	550372	10 - Year	35300	905.36	933.22		933.83	0.00081	7.49
Reach 2	550372	50 - Year	80482	905.36	943.38		944.22	0.000778	9.36
Reach 2	550372	100 - Year	97465	905.36	946.26		947.19	0.000785	9.93
Reach 2	550372	500 - Year	138462	905.36	951.59		952.76	0.000856	11.36
Reach 2	549991	2 - Year	2679	906.48	916.8		916.98	0.000925	3.46
Reach 2	549991	5 - Year	20816	906.48	928.18		928.85	0.001379	7.67
Reach 2	549991	10 - Year	35103	906.48	933		933.54	0.00101	7.62
Reach 2	549991	50 - Year	80533	906.48	943.33		943.94	0.000782	8.51

Reach 2	549991	100 - Year	97623	906.48	946.24		946.9	0.000768	8.9
Reach 2	549991	500 - Year	138638	906.48	951.6		952.43	0.000815	10.03
Reach 2	549840	2 - Year	2679	906.71	916.66		916.84	0.000973	3.46
Reach 2	549840	5 - Year	20816	906.71	927.45		928.54	0.002149	9.01
Reach 2	549840	10 - Year	35103	906.71	932.53		933.33	0.001414	8.66
Reach 2	549840	50 - Year	80533	906.71	943.04		943.78	0.000963	9.21
Reach 2	549840	100 - Year	97623	906.71	945.92		946.74	0.000987	9.86
Reach 2	549840	500 - Year	138638	906.71	951.34		952.27	0.000988	10.83
Reach 2	549637	2 - Year	2679	905.81	916.3		916.57	0.001804	4.19
Reach 2	549637	5 - Year	20816	905.81	926.73		928.02	0.002833	9.8
Reach 2	549637	10 - Year	35103	905.81	932.1		933	0.001695	9.2
Reach 2	549637	50 - Year	80533	905.81	942.78		943.57	0.001056	9.52
Reach 2	549637	100 - Year	97623	905.81	945.72		946.54	0.001003	9.84
Reach 2	549637	500 - Year	138638	905.81	951.12		952.07	0.001001	10.81
Reach 2	549399	2 - Year	2679	906.78	915.82		916.14	0.001772	4.52
Reach 2	549399	5 - Year	20816	906.78	925.99		927.37	0.002615	10.21
Reach 2	549399	10 - Year	35103	906.78	931.09		932.51	0.00211	11.1
Reach 2	549399	50 - Year	80533	906.78	942.11		943.27	0.001232	11.29
Reach 2	549399	100 - Year	97623	906.78	945.04		946.25	0.001179	11.71
Reach 2	549399	500 - Year	138638	906.78	950.35		951.77	0.001193	12.96
Reach 2	549081	2 - Year	2679	905.85	915.66		915.78	0.000594	2.78
Reach 2	549081	5 - Year	20816	905.85	925.68		926.65	0.001449	8.08
Reach 2	549081	10 - Year	35103	905.85	930.14		931.86	0.001862	10.74
Reach 2	549081	50 - Year	80533	905.85	940.49		942.71	0.001703	13.42
Reach 2	549081	100 - Year	97623	905.85	943.23		945.68	0.001734	14.32
Reach 2	549081	500 - Year	138638	905.85	948.16		951.15	0.001891	16.37
Reach 2	548689	2 - Year	2679	905.03	915.52		915.59	0.000315	2.13
Reach 2	548689	5 - Year	20816	905.03	925.37		926.04	0.000947	6.65
Reach 2	548689	10 - Year	35103	905.03	929.84		930.99	0.00121	8.8
Reach 2	548689	50 - Year	80533	905.03	940.08		941.95	0.001311	11.89
Reach 2	548689	100 - Year	97623	905.03	942.79		944.92	0.001381	12.9
Reach 2	548689	500 - Year	138638	905.03	947.73		950.27	0.001489	14.65
Reach 2	548486	2 - Year	2679	906.8	915.37		915.49	0.000767	2.8
Reach 2	548486	5 - Year	20816	906.8	924.9		925.78	0.001471	7.64
Reach 2	548486	10 - Year	35103	906.8	929.29		930.68	0.001683	9.71
Reach 2	548486	50 - Year	80533	906.8	939.61		941.64	0.001577	12.51
Reach 2	548486	100 - Year	97623	906.8	942.3		944.6	0.001634	13.49
Reach 2	548486	500 - Year	138638	906.8	947.26		949.94	0.001707	15.16
Reach 2	548214	2 - Year	2679	906.42	915.14		915.27	0.000837	2.94
Reach 2	548214	5 - Year	20816	906.42	924.4		925.35	0.001681	7.88

Reach 2	548214	10 - Year	35103	906.42	928.76		930.2	0.001843	9.86
Reach 2	548214	50 - Year	80533	906.42	939.06		941.18	0.001702	12.72
Reach 2	548214	100 - Year	97623	906.42	941.72		944.13	0.001756	13.7
Reach 2	548214	500 - Year	138638	906.42	946.49		949.43	0.0019	15.66
Reach 2	547874	2 - Year	2679	907.67	914.87		914.96	0.000849	2.47
Reach 2	547874	5 - Year	20816	907.67	924.23		924.7	0.000902	5.6
Reach 2	547874	10 - Year	35103	907.67	928.71		929.39	0.000924	6.86
Reach 2	547874	50 - Year	80533	907.67	939.13		940.29	0.000908	9.22
Reach 2	547874	100 - Year	97623	907.67	941.8		943.18	0.000972	10.13
Reach 2	547874	500 - Year	138638	907.67	946.54		948.41	0.001129	12.01
Reach 2	547479	2 - Year	2679	907.33	914.23		914.42	0.002462	3.52
Reach 2	547479	5 - Year	20816	907.33	923.74		924.29	0.001193	6.18
Reach 2	547479	10 - Year	35103	907.33	928.2		928.98	0.001168	7.48
Reach 2	547479	50 - Year	80533	907.33	938.25		939.83	0.001306	10.76
Reach 2	547479	100 - Year	97623	907.33	941.16		942.75	0.001205	11.06
Reach 2	547479	500 - Year	138638	907.33	946.15		947.95	0.001197	12.21
Reach 2	547092	2 - Year	2679	902.84	913.65		913.81	0.001069	3.27
Reach 2	547092	5 - Year	20816	902.84	922.6		923.65	0.002043	8.45
Reach 2	547092	10 - Year	35103	902.84	926.91		928.34	0.002045	10.14
Reach 2	547092	50 - Year	80533	902.84	936.7		939.12	0.002113	13.75
Reach 2	547092	100 - Year	97623	902.84	939.26		942.02	0.002203	14.89
Reach 2	547092	500 - Year	138638	902.84	944.13		947.22	0.002198	16.42
Reach 2	546894	2 - Year	2679	900.66	913.44		913.61	0.000986	3.24
Reach 2	546894	5 - Year	20816	900.66	922		923.2	0.002337	9.1
Reach 2	546894	10 - Year	35103	900.66	926.28		927.88	0.002328	10.85
Reach 2	546894	50 - Year	80533	900.66	936.01		938.65	0.002389	14.61
Reach 2	546894	100 - Year	97623	900.66	938.46		941.52	0.002536	15.92
Reach 2	546894	500 - Year	138638	900.66	943.38		946.72	0.002481	17.4
Reach 2	546482	2 - Year	2679	898.91	913.4		913.45	0.000145	1.73
Reach 2	546482	5 - Year	20816	898.91	921.8		922.47	0.000935	6.72
Reach 2	546482	10 - Year	35103	898.91	925.99		927.07	0.001193	8.73
Reach 2	546482	50 - Year	80533	898.91	935.59		937.72	0.00158	12.78
Reach 2	546482	100 - Year	97623	898.91	938.01		940.52	0.001735	14.07
Reach 2	546482	500 - Year	138638	898.91	942.87		945.74	0.001812	15.71
Reach 2	546012	2 - Year	2679	905.74	913.03		913.25	0.003006	3.81
Reach 2	546012	5 - Year	20816	905.74	921.06		921.83	0.002041	7.41
Reach 2	546012	10 - Year	35103	905.74	925.32		926.38	0.001848	8.76
Reach 2	546012	50 - Year	80533	905.74	935.06		936.85	0.001718	11.71
Reach 2	546012	100 - Year	97623	905.74	937.54		939.56	0.001745	12.57
Reach 2	546012	500 - Year	138638	905.74	942.38		944.77	0.001769	14.09

Reach 2	545606	2 - Year	2679	903.21	911.98		912.16	0.00235	3.67
Reach 2	545606	5 - Year	20816	903.21	920.62		921.08	0.001334	6.32
Reach 2	545606	10 - Year	35103	903.21	925		925.64	0.001271	7.57
Reach 2	545606	50 - Year	80533	903.21	934.93		936.06	0.001256	10.3
Reach 2	545606	100 - Year	97623	903.21	937.43		938.74	0.001318	11.21
Reach 2	545606	500 - Year	138638	903.21	942.16		943.93	0.001493	13.19
Reach 2	545296	2 - Year	2679	903.55	911.24		911.43	0.002334	3.74
Reach 2	545296	5 - Year	20816	903.55	920.13		920.65	0.001403	6.62
Reach 2	545296	10 - Year	35103	903.55	924.48		925.22	0.001377	8
Reach 2	545296	50 - Year	80533	903.55	934.34		935.64	0.00137	10.85
Reach 2	545296	100 - Year	97623	903.55	936.76		938.29	0.00146	11.86
Reach 2	545296	500 - Year	138638	903.55	941.24		943.39	0.001734	14.22
Reach 2	544989	2 - Year	2679	904.31	910.28		910.6	0.003089	4.64
Reach 2	544989	5 - Year	20816	904.31	919.48		920.15	0.001753	7.72
Reach 2	544989	10 - Year	35103	904.31	923.83		924.73	0.001684	9.14
Reach 2	544989	50 - Year	80533	904.31	933.66		935.16	0.001659	12.2
Reach 2	544989	100 - Year	97623	904.31	936.01		937.77	0.001782	13.35
Reach 2	544989	500 - Year	138638	904.31	940.25		942.76	0.002171	16.11
Reach 2	544621	2 - Year	2679	902.59	909.32		909.64	0.002251	4.58
Reach 2	544621	5 - Year	20816	902.59	918.36		919.37	0.002377	9.35
Reach 2	544621	10 - Year	35103	902.59	922.7		923.98	0.002262	10.92
Reach 2	544621	50 - Year	80533	902.59	932.65		934.46	0.00202	13.77
Reach 2	544621	100 - Year	97623	902.59	935.03		937.05	0.002083	14.75
Reach 2	544621	500 - Year	138638	902.59	939.46		941.94	0.002275	16.87
Reach 2	544204	2 - Year	2679	899.86	908.67		908.9	0.001336	3.88
Reach 2	544204	5 - Year	20816	899.86	917.44		918.41	0.002134	9.06
Reach 2	544204	10 - Year	35103	899.86	921.88		923.06	0.001977	10.41
Reach 2	544204	50 - Year	80533	899.86	931.85		933.62	0.001885	13.47
Reach 2	544204	100 - Year	97623	899.86	934.05		936.16	0.002075	14.83
Reach 2	544204	500 - Year	138638	899.86	938.1		940.91	0.002455	17.51
Reach 2	543822	2 - Year	2679	899.45	908.02		908.28	0.001957	4.13
Reach 2	543822	5 - Year	20816	899.45	916.6		917.57	0.002318	8.91
Reach 2	543822	10 - Year	35103	899.45	921.07		922.29	0.002102	10.29
Reach 2	543822	50 - Year	80533	899.45	931.01		932.89	0.001965	13.36
Reach 2	543822	100 - Year	97623	899.45	933.2		935.37	0.002107	14.55
Reach 2	543822	500 - Year	138638	899.45	937.18		939.99	0.002435	17
Reach 2	543411	2 - Year	2679	899.62	906.87		907.19	0.003776	4.63
Reach 2	543411	5 - Year	20816	899.62	915.76		916.61	0.002172	8.17
Reach 2	543411	10 - Year	35103	899.62	920.27		921.42	0.00201	9.67
Reach 2	543411	50 - Year	80533	899.62	930.2		932.09	0.001918	12.86
Reach 2	543411	100 - Year	97623	899.62	932.47		934.49	0.001933	13.62

Reach 2	543411	500 - Year	138638	899.62	936.52		938.94	0.00209	15.45
Reach 2	542989	2 - Year	2679	898.33	905.32		905.63	0.003597	4.54
Reach 2	542989	5 - Year	20816	898.33	914.69		915.68	0.002203	8.46
Reach 2	542989	10 - Year	35103	898.33	919.27		920.57	0.002026	9.94
Reach 2	542989	50 - Year	80533	898.33	928.99		931.23	0.002087	13.55
Reach 2	542989	100 - Year	97623	898.33	931.11		933.61	0.00219	14.59
Reach 2	542989	500 - Year	138638	898.33	934.97		937.98	0.002416	16.64
Reach 2	542607	2 - Year	2679	897.91	904.16		904.42	0.002759	4.08
Reach 2	542607	5 - Year	20816	897.91	914.19		914.92	0.001521	7.29
Reach 2	542607	10 - Year	35103	897.91	918.84		919.84	0.001471	8.72
Reach 2	542607	50 - Year	80533	897.91	928.55		930.43	0.001674	12.35
Reach 2	542607	100 - Year	97623	897.91	930.75		932.74	0.001699	13.09
Reach 2	542607	500 - Year	138638	897.91	934.7		937	0.001815	14.68
Reach 2	542225	2 - Year	2679	896.17	903.1		903.4	0.00254	4.44
Reach 2	542225	5 - Year	20816	896.17	913.34		914.27	0.001877	8.3
Reach 2	542225	10 - Year	35103	896.17	918.04		919.22	0.00175	9.69
Reach 2	542225	50 - Year	80533	896.17	927.26		929.65	0.00223	14.24
Reach 2	542225	100 - Year	97623	896.17	929.34		931.95	0.002315	15.22
Reach 2	542225	500 - Year	138638	896.17	933.31		936.18	0.00239	16.78
Reach 2	541899	2 - Year	2679	892.89	902.43		902.68	0.001865	4.03
Reach 2	541899	5 - Year	20816	892.89	912.88		913.68	0.001563	7.93
Reach 2	541899	10 - Year	35103	892.89	917.61		918.66	0.001529	9.39
Reach 2	541899	50 - Year	80533	892.89	926.82		928.89	0.001984	13.76
Reach 2	541899	100 - Year	97623	892.89	929.02		931.13	0.001952	14.32
Reach 2	541899	500 - Year	138638	892.89	932.92		935.34	0.0021	16.06
Reach 2	541480	2 - Year	2679	892.07	901.7		901.93	0.001693	3.8
Reach 2	541480	5 - Year	20816	892.07	912.11		913.01	0.001655	8.11
Reach 2	541480	10 - Year	35103	892.07	916.84		918	0.001606	9.57
Reach 2	541480	50 - Year	80533	892.07	926.2		928.06	0.001769	12.98
Reach 2	541480	100 - Year	97623	892.07	928.39		930.32	0.001762	13.59
Reach 2	541480	500 - Year	138638	892.07	932.29		934.47	0.001873	15.15
Reach 2	541077	2 - Year	2679	892.47	901.19		901.35	0.001166	3.28
Reach 2	541077	5 - Year	20816	892.47	911.56		912.37	0.001432	7.42
Reach 2	541077	10 - Year	35103	892.47	916.31		917.39	0.001403	8.83
Reach 2	541077	50 - Year	80533	892.47	925.77		927.37	0.001421	11.56
Reach 2	541077	100 - Year	97623	892.47	927.96		929.63	0.00143	12.18
Reach 2	541077	500 - Year	138638	892.47	931.81		933.73	0.001545	13.68
Reach 2	540607	2 - Year	2679	892.24	900.52		900.73	0.00147	3.68
Reach 2	540607	5 - Year	20816	892.24	910.4		911.54	0.002027	8.74
Reach 2	540607	10 - Year	35103	892.24	914.85		916.52	0.002154	10.78

Reach 2	540607	50 - Year	80533	892.24	924.37		926.53	0.001942	13.44
Reach 2	540607	100 - Year	97623	892.24	926.67		928.82	0.001866	13.88
Reach 2	540607	500 - Year	138638	892.24	930.82		932.93	0.001781	14.75
Reach 2	540257	2 - Year	2679	891.44	900.46		900.52	0.000237	1.91
Reach 2	540257	5 - Year	20816	891.44	910.37		910.95	0.000797	6.18
Reach 2	540257	10 - Year	35103	891.44	914.85		915.81	0.000999	8.07
Reach 2	540257	50 - Year	80533	891.44	924.12		925.86	0.001266	11.5
Reach 2	540257	100 - Year	97623	891.44	926.3		928.2	0.001325	12.31
Reach 2	540257	500 - Year	138638	891.44	930.21		932.38	0.001448	13.86
Reach 2	539809	2 - Year	2679	892.16	900.31		900.38	0.000385	2.23
Reach 2	539809	5 - Year	20816	892.16	909.84		910.53	0.001067	6.73
Reach 2	539809	10 - Year	35103	892.16	914.14		915.28	0.001309	8.75
Reach 2	539809	50 - Year	80533	892.16	922.6		925.11	0.001896	13.31
Reach 2	539809	100 - Year	97623	892.16	924.42		927.36	0.002119	14.67
Reach 2	539809	500 - Year	138638	892.16	928.09		931.46	0.00232	16.56
Reach 2	539472	2 - Year	2679	891.84	900.2		900.27	0.000304	2.09
Reach 2	539472	5 - Year	20816	891.84	909.48		910.17	0.001104	6.67
Reach 2	539472	10 - Year	35103	891.84	913.62		914.82	0.001403	8.81
Reach 2	539472	50 - Year	80533	891.84	921.84	911.09	924.44	0.002025	13.38
Reach 2	539472	100 - Year	97623	891.84	923.6	914.02	926.62	0.002252	14.7
Reach 2	539472	500 - Year	138638	891.84	927.45		930.64	0.002291	16.09
Reach 2	539155	2 - Year	2679	891.17	900.12		900.17	0.000263	1.92
Reach 2	539155	5 - Year	20816	891.17	909.22		909.81	0.000948	6.19
Reach 2	539155	10 - Year	35103	891.17	913.34		914.36	0.001195	8.15
Reach 2	539155	50 - Year	80533	891.17	921.42		923.75	0.001807	12.62
Reach 2	539155	100 - Year	97623	891.17	923.27		925.82	0.001913	13.56
Reach 2	539155	500 - Year	138638	891.17	927.11		929.82	0.001953	14.87
Reach 2	538825	2 - Year	2679	891.64	900.01		900.08	0.000333	2.06
Reach 2	538825	5 - Year	20816	891.64	908.85		909.48	0.001057	6.4
Reach 2	538825	10 - Year	35103	891.64	912.94		913.95	0.001255	8.21
Reach 2	538825	50 - Year	80533	891.64	920.95		923.11	0.001788	12.41
Reach 2	538825	100 - Year	97623	891.64	922.89		925.12	0.001805	13.06
Reach 2	538825	500 - Year	138638	891.64	926.76		929.1	0.001813	14.24
Reach 2	538533	2 - Year	2679	893.42	899.81		899.92	0.00088	2.64
Reach 2	538533	5 - Year	20816	893.42	908.63		909.13	0.001069	6.03
Reach 2	538533	10 - Year	35103	893.42	912.81		913.52	0.001088	7.31
Reach 2	538533	50 - Year	80533	893.42	921.11		922.4	0.001295	10.33
Reach 2	538533	100 - Year	97623	893.42	922.97		924.42	0.001381	11.18
Reach 2	538533	500 - Year	138638	893.42	926.57		928.45	0.001624	13.16
Reach 2	537951	2 - Year	2679	893.17	898.3		898.73	0.008308	5.51

Reach 2	537951	5 - Year	20816	893.17	907.7		908.33	0.001788	6.96
Reach 2	537951	10 - Year	35103	893.17	912.05		912.8	0.001438	7.77
Reach 2	537951	50 - Year	80533	893.17	920.24		921.58	0.001594	10.86
Reach 2	537951	100 - Year	97623	893.17	922.09		923.56	0.001646	11.6
Reach 2	537951	500 - Year	138638	893.17	925.68		927.46	0.001784	13.18
Reach 2	537372	2 - Year	2678	889.8	896.73		896.85	0.001585	3.05
Reach 2	537372	5 - Year	20807	889.8	907.21		907.58	0.000812	5.32
Reach 2	537372	10 - Year	34883	889.8	911.55		912.11	0.000861	6.59
Reach 2	537372	50 - Year	80558	889.8	919.36		920.73	0.001357	10.54
Reach 2	537372	100 - Year	97784	889.8	920.94		922.61	0.001561	11.76
Reach 2	537372	500 - Year	138847	889.8	924.28		926.38	0.001803	13.66
Reach 2	536961	2 - Year	2678	887.78	896.37	891.43	896.47	0.000581	2.62
Reach 2	536961	5 - Year	20807	887.78	906.36	898.19	907.13	0.001271	7.15
Reach 2	536961	10 - Year	34883	887.78	910.35	901.42	911.57	0.001559	9.21
Reach 2	536961	50 - Year	80558	887.78	917.71	909.47	919.95	0.002142	13.34
Reach 2	536961	100 - Year	97784	887.78	919.39	912.63	921.78	0.002241	14.21
Reach 2	536961	500 - Year	138847	887.78	923.02	918.97	925.52	0.002258	15.44
Reach 2	536644	2 - Year	2678	888.23	896.19	891.55	896.29	0.000563	2.54
Reach 2	536644	5 - Year	20807	888.23	906.03	897.89	906.73	0.001123	6.9
Reach 2	536644	10 - Year	34883	888.23	909.97	901.06	911.07	0.001374	8.86
Reach 2	536644	50 - Year	80558	888.23	917.3	908.71	919.23	0.00184	12.66
Reach 2	536644	100 - Year	97784	888.23	919.01	911.02	921.01	0.001888	13.36
Reach 2	536644	500 - Year	138847	888.23	922.63	918.1	924.74	0.001909	14.54
Reach 2	536254	2 - Year	2678	888.15	895.8	891.78	895.98	0.001162	3.36
Reach 2	536254	5 - Year	20807	888.15	905.15	899.02	906.14	0.001882	8.18
Reach 2	536254	10 - Year	34883	888.15	909.11	902.35	910.43	0.001928	9.8
Reach 2	536254	50 - Year	80558	888.15	916.87	910	918.43	0.001791	12.03
Reach 2	536254	100 - Year	97784	888.15	918.62	912.34	920.19	0.001765	12.48
Reach 2	536254	500 - Year	138847	888.15	922.32	917.07	923.92	0.001694	13.31
Reach 2	535750	2 - Year	2678	886.78	895.49		895.59	0.000493	2.59
Reach 2	535750	5 - Year	20807	886.78	904.41		905.28	0.001482	7.8
Reach 2	535750	10 - Year	34883	886.78	908.3		909.53	0.001664	9.6
Reach 2	535750	50 - Year	80558	886.78	916.01		917.61	0.001753	12.32
Reach 2	535750	100 - Year	97784	886.78	917.86		919.41	0.001689	12.63
Reach 2	535750	500 - Year	138847	886.78	921.67		923.19	0.001575	13.25
Reach 2	535281	2 - Year	2678	887.83	895.25		895.34	0.000546	2.45
Reach 2	535281	5 - Year	20807	887.83	903.84		904.58	0.001352	7.12
Reach 2	535281	10 - Year	34883	887.83	907.6		908.75	0.001596	9.04
Reach 2	535281	50 - Year	80558	887.83	914.96		916.77	0.001883	12.33
Reach 2	535281	100 - Year	97784	887.83	916.85		918.61	0.001805	12.67
Reach 2	535281	500 - Year	138847	887.83	920.79		922.46	0.001641	13.21

Reach 2	534776	2 - Year	2678	889.63	894.75		894.89	0.001658	3.06
Reach 2	534776	5 - Year	20807	889.63	903.23		903.85	0.001422	6.49
Reach 2	534776	10 - Year	34883	889.63	906.96		907.9	0.001532	8.08
Reach 2	534776	50 - Year	80558	889.63	914.29		915.78	0.001679	10.93
Reach 2	534776	100 - Year	97784	889.63	916.21		917.68	0.001592	11.22
Reach 2	534776	500 - Year	138847	889.63	920.19		921.63	0.001444	11.8
Reach 2	534333	2 - Year	2678	888.39	893.19		893.54	0.007078	4.73
Reach 2	534333	5 - Year	20807	888.39	902.56		903.2	0.001524	6.55
Reach 2	534333	10 - Year	34883	888.39	906.32		907.21	0.001522	7.9
Reach 2	534333	50 - Year	80558	888.39	913.75		915.02	0.001509	10.25
Reach 2	534333	100 - Year	97784	888.39	915.68		916.96	0.001452	10.62
Reach 2	534333	500 - Year	138847	888.39	919.73		920.98	0.001288	11.07
Reach 2	533920	2 - Year	2678	885.08	891.61		891.9	0.002499	4.35
Reach 2	533920	5 - Year	20807	885.08	901.82		902.56	0.001596	7.32
Reach 2	533920	10 - Year	34883	885.08	905.68		906.6	0.001545	8.55
Reach 2	533920	50 - Year	80558	885.08	913.21		914.42	0.001536	10.88
Reach 2	533920	100 - Year	97784	885.08	915.2		916.39	0.001456	11.16
Reach 2	533920	500 - Year	138847	885.08	919.32		920.48	0.001315	11.67
Reach 2	533509	2 - Year	2678	882.67	890.75		891.02	0.001831	4.2
Reach 2	533509	5 - Year	20807	882.67	900.18		901.61	0.003187	9.64
Reach 2	533509	10 - Year	34883	882.67	904.1		905.75	0.002815	10.9
Reach 2	533509	50 - Year	80558	882.67	912.13		913.76	0.002127	12.4
Reach 2	533509	100 - Year	97784	882.67	914.13		915.77	0.002045	12.83
Reach 2	533509	500 - Year	138847	882.67	918.54		919.99	0.001674	12.87
Reach 2	533222	2 - Year	2678	879.36	890.3		890.55	0.001425	4.01
Reach 2	533222	5 - Year	20807	879.36	898.21		900.38	0.005324	11.83
Reach 2	533222	10 - Year	34883	879.36	901.76	899.28	904.58	0.005234	14.02
Reach 2	533222	50 - Year	80558	879.36	911.44		913.15	0.002348	13.05
Reach 2	533222	100 - Year	97784	879.36	913.51		915.19	0.002224	13.4
Reach 2	533222	500 - Year	138847	879.36	917.97		919.51	0.001868	13.61
Reach 2	532968	2 - Year	2678	875.41	890.33		890.39	0.000188	2.01
Reach 2	532968	5 - Year	20807	875.41	898.39		899.41	0.001409	8.27
Reach 2	532968	10 - Year	34883	875.41	901.98		903.47	0.001755	10.44
Reach 2	532968	50 - Year	80558	875.41	911.06		912.65	0.001536	12.38
Reach 2	532968	100 - Year	97784	875.41	913.08		914.73	0.001562	13.03
Reach 2	532968	500 - Year	138847	875.41	917.01		919.02	0.001774	14.98
Reach 2	532635	2 - Year	2678	877.58	890.31		890.34	0.000078	1.41
Reach 2	532635	5 - Year	20807	877.58	898.4		898.95	0.000693	6.09
Reach 2	532635	10 - Year	34883	877.58	901.94		902.87	0.000977	8.1
Reach 2	532635	50 - Year	80558	877.58	910.66		912.17	0.001208	11.21

Reach 2	532635	100 - Year	97784	877.58	912.42		914.22	0.001376	12.41
Reach 2	532635	500 - Year	138847	877.58	915.99		918.39	0.001709	14.81
Reach 2	532307	2 - Year	2678	874.71	890.3		890.32	0.000058	1.31
Reach 2	532307	5 - Year	20807	874.71	898.21		898.73	0.000603	5.91
Reach 2	532307	10 - Year	34883	874.71	901.62		902.56	0.000928	8.14
Reach 2	532307	50 - Year	80558	874.71	909.88		911.72	0.001375	12.11
Reach 2	532307	100 - Year	97784	874.71	911.53		913.7	0.001575	13.41
Reach 2	532307	500 - Year	138847	874.71	915.07		917.78	0.001873	15.64
Reach 2	532024	2 - Year	2678	884	890.16		890.27	0.000641	2.72
Reach 2	532024	5 - Year	20807	884	897.34		898.38	0.002253	8.68
Reach 2	532024	10 - Year	34883	884	900.62		902.1	0.002551	10.72
Reach 2	532024	50 - Year	80558	884	909.18		911.21	0.002337	13.6
Reach 2	532024	100 - Year	97784	884	910.9		913.15	0.002484	14.66
Reach 2	532024	500 - Year	138847	884	914.58		917.13	0.002599	16.34
Reach 2	531741	2 - Year	2678	882.56	889.46		889.86	0.004461	5.26
Reach 2	531741	5 - Year	20807	882.56	896.72		897.58	0.00314	8.77
Reach 2	531741	10 - Year	34883	882.56	900.02		901.21	0.003156	10.57
Reach 2	531741	50 - Year	80558	882.56	908.81		910.39	0.002495	13.09
Reach 2	531741	100 - Year	97784	882.56	910.56		912.27	0.00257	13.96
Reach 2	531741	500 - Year	138847	882.56	914.26		916.2	0.002632	15.53
Reach 2	531400	2 - Year	2678	880.9	888.16		888.5	0.003583	4.67
Reach 2	531400	5 - Year	20807	880.9	895.71		896.61	0.002804	8.65
Reach 2	531400	10 - Year	34883	880.9	899.14		900.27	0.002628	10.02
Reach 2	531400	50 - Year	80558	880.9	908.08		909.64	0.002178	12.56
Reach 2	531400	100 - Year	97784	880.9	909.8		911.51	0.002272	13.45
Reach 2	531400	500 - Year	138847	880.9	913.35		915.39	0.002465	15.3
Reach 2	531073	2 - Year	2678	879.93	887.48		887.66	0.001768	3.63
Reach 2	531073	5 - Year	20807	879.93	894.9		895.74	0.002574	8.36
Reach 2	531073	10 - Year	34883	879.93	898.32		899.44	0.002581	9.99
Reach 2	531073	50 - Year	80558	879.93	907.42		908.96	0.002132	12.52
Reach 2	531073	100 - Year	97784	879.93	908.75		910.72	0.002593	14.32
Reach 2	531073	500 - Year	138847	879.93	912.85		914.59	0.002141	14.39
Reach 2	530708	2 - Year	2678	879.41	886.73		886.94	0.002342	4.04
Reach 2	530708	5 - Year	20807	879.41	894.01		894.79	0.002863	8.24
Reach 2	530708	10 - Year	34883	879.41	897.44		898.52	0.002794	9.88
Reach 2	530708	50 - Year	80558	879.41	905.92		908.04	0.003048	14.26
Reach 2	530708	100 - Year	97784	879.41	907.91		909.82	0.002666	14.13
Reach 2	530708	500 - Year	138847	879.41	912.23		913.86	0.002099	14
Reach 2	530410	2 - Year	2678	878.79	886.23		886.39	0.00144	3.52
Reach 2	530410	5 - Year	20807	878.79	893.22		893.95	0.002642	7.98

Reach 2	530410	10 - Year	34883	878.79	896.66		897.69	0.002626	9.64
Reach 2	530410	50 - Year	80558	878.79	905.22		907.1	0.002748	13.62
Reach 2	530410	100 - Year	97784	878.79	907.27		909	0.002442	13.61
Reach 2	530410	500 - Year	138847	878.79	911.73		913.21	0.00191	13.46
Reach 2	530148	2 - Year	2678	880.89	885.37		885.71	0.005788	5.19
Reach 2	530148	5 - Year	20807	880.89	892.21		893.11	0.003935	8.71
Reach 2	530148	10 - Year	34883	880.89	895.79		896.93	0.003249	9.96
Reach 2	530148	50 - Year	80558	880.89	904.68		906.35	0.002576	12.77
Reach 2	530148	100 - Year	97784	880.89	906.79		908.34	0.002269	12.76
Reach 2	530148	500 - Year	138847	880.89	911.36		912.71	0.001749	12.63
Reach 2	529839	2 - Year	2678	876.97	883.43		883.89	0.006082	5.45
Reach 2	529839	5 - Year	20807	876.97	890.85		891.95	0.003646	8.9
Reach 2	529839	10 - Year	34883	876.97	894.67		895.99	0.002917	9.98
Reach 2	529839	50 - Year	80558	876.97	904.05		905.66	0.002005	11.81
Reach 2	529839	100 - Year	97784	876.97	906.12		907.72	0.00189	12.16
Reach 2	529839	500 - Year	138847	876.97	910.86		912.23	0.001473	12.06
Reach 2	529551	2 - Year	2678	876.35	882.41		882.66	0.002871	4
Reach 2	529551	5 - Year	20807	876.35	890.16		891.03	0.002402	8.05
Reach 2	529551	10 - Year	34883	876.35	894.17		895.21	0.002031	9.08
Reach 2	529551	50 - Year	80558	876.35	903.57		905.09	0.00175	11.64
Reach 2	529551	100 - Year	97784	876.35	905.74		907.16	0.001593	11.75
Reach 2	529551	500 - Year	138847	876.35	910.59		911.79	0.001254	11.65
Reach 2	529325	2 - Year	2678	876.34	881.53		881.86	0.00439	4.58
Reach 2	529325	5 - Year	20807	876.34	889.59		890.48	0.002472	8.15
Reach 2	529325	10 - Year	34883	876.34	893.7		894.74	0.002043	9.14
Reach 2	529325	50 - Year	80558	876.34	903.08		904.67	0.001835	11.93
Reach 2	529325	100 - Year	97784	876.34	905.29		906.79	0.001665	12.04
Reach 2	529325	500 - Year	138847	876.34	910.32		911.5	0.001232	11.62
Reach 2	529063	2 - Year	2678	876	880.15		880.57	0.005504	5.22
Reach 2	529063	5 - Year	20807	876	888.74		889.79	0.002753	8.87
Reach 2	529063	10 - Year	34883	876	893.03		894.19	0.002181	9.73
Reach 2	529063	50 - Year	80558	876	902.31		904.14	0.002102	12.97
Reach 2	529063	100 - Year	97784	876	904.85		906.35	0.001704	12.46
Reach 2	529063	500 - Year	138847	876	910.09		911.16	0.001157	11.52
Reach 2	528741	2 - Year	2678	874	879.23		879.47	0.002134	3.9
Reach 2	528741	5 - Year	20807	874	888.05		888.99	0.002115	8.26
Reach 2	528741	10 - Year	34883	874	892.47		893.54	0.001775	9.22
Reach 2	528741	50 - Year	80558	874	902.15		903.44	0.001421	11.12
Reach 2	528741	100 - Year	97784	874	904.59		905.8	0.001295	11.25
Reach 2	528741	500 - Year	138847	874	909.81		910.79	0.000993	10.99

Reach 2	528601	2 - Year	2678	873.5	878.94		879.16	0.002201	3.76
Reach 2	528601	5 - Year	20807	873.5	887.93		888.66	0.001665	7.32
Reach 2	528601	10 - Year	34883	873.5	892.39		893.24	0.001414	8.24
Reach 2	528601	50 - Year	80558	873.5	902.16		903.17	0.001119	9.9
Reach 2	528601	100 - Year	97784	873.5	904.58		905.56	0.001039	10.11
Reach 2	528601	500 - Year	138847	873.5	909.74		910.63	0.000869	10.3
Reach 2	528433	2 - Year	2678	872.67	878.78		878.91	0.000919	2.88
Reach 2	528433	5 - Year	20807	872.67	887.79		888.38	0.001215	6.64
Reach 2	528433	10 - Year	34883	872.67	892.24		893	0.001156	7.79
Reach 2	528433	50 - Year	80558	872.67	902		902.98	0.001015	9.71
Reach 2	528433	100 - Year	97784	872.67	904.43		905.38	0.000949	9.92
Reach 2	528433	500 - Year	138847	872.67	909.59		910.48	0.000813	10.19
Reach 2	528242	2 - Year	2678	870.75	878.5		878.69	0.001349	3.48
Reach 2	528242	5 - Year	20807	870.75	887.55		888.12	0.001338	6.85
Reach 2	528242	10 - Year	34883	870.75	892.01		892.75	0.001261	8.04
Reach 2	528242	50 - Year	80558	870.75	901.66		902.75	0.001222	10.52
Reach 2	528242	100 - Year	97784	870.75	904.11		905.16	0.001129	10.7
Reach 2	528242	500 - Year	138847	870.75	909.31		910.29	0.000958	10.96
Reach 2	527950	2 - Year	2678	870.92	878.24		878.36	0.00085	2.79
Reach 2	527950	5 - Year	20807	870.92	887.03		887.71	0.001371	6.89
Reach 2	527950	10 - Year	34883	870.92	891.45		892.36	0.001324	8.18
Reach 2	527950	50 - Year	80558	870.92	900.86		902.34	0.00137	11.03
Reach 2	527950	100 - Year	97784	870.92	903.33		904.77	0.001282	11.31
Reach 2	527950	500 - Year	138847	870.92	908.55		909.95	0.001129	11.82
Reach 2	527692	2 - Year	2678	869.22	878.08		878.16	0.000652	2.32
Reach 2	527692	5 - Year	20807	869.22	886.7		887.33	0.001449	6.53
Reach 2	527692	10 - Year	34883	869.22	891.09		891.99	0.001495	7.97
Reach 2	527692	50 - Year	80558	869.22	900.54		901.95	0.001514	10.58
Reach 2	527692	100 - Year	97784	869.22	902.99		904.42	0.00146	10.99
Reach 2	527692	500 - Year	138847	869.22	908.15		909.62	0.001345	11.72
Reach 2	527406	2 - Year	2678	868.68	877.93		878	0.000459	2.1
Reach 2	527406	5 - Year	20807	868.68	886.31		886.92	0.001366	6.38
Reach 2	527406	10 - Year	34883	868.68	890.7		891.57	0.001414	7.77
Reach 2	527406	50 - Year	80558	868.68	900.11		901.52	0.001482	10.47
Reach 2	527406	100 - Year	97784	868.68	902.52		903.99	0.001462	10.99
Reach 2	527406	500 - Year	138847	868.68	907.66		909.22	0.001381	11.86
Reach 2	527135	2 - Year	2678	869.57	877.79		877.87	0.000474	2.26
Reach 2	527135	5 - Year	20807	869.57	885.86		886.55	0.001362	6.74
Reach 2	527135	10 - Year	34883	869.57	890.18		891.17	0.001384	8.21
Reach 2	527135	50 - Year	80558	869.57	899.58		901.12	0.00136	10.85
Reach 2	527135	100 - Year	97784	869.57	902		903.6	0.001331	11.37

Reach 2	527135	500 - Year	138847	869.57	907.19		908.86	0.00123	12.18
Reach 2	526955	2 - Year	2678	870.25	877.7		877.78	0.000515	2.26
Reach 2	526955	5 - Year	20807	870.25	885.61		886.3	0.001405	6.7
Reach 2	526955	10 - Year	34883	870.25	889.88		890.91	0.00146	8.28
Reach 2	526955	50 - Year	80558	870.25	899.34		900.87	0.001361	10.73
Reach 2	526955	100 - Year	97784	870.25	901.76		903.36	0.001335	11.26
Reach 2	526955	500 - Year	138847	870.25	906.92		908.63	0.001251	12.17
Reach 2	526798	2 - Year	2678	870.25	877.63		877.7	0.000493	2.17
Reach 2	526798	5 - Year	20807	870.25	885.47		886.06	0.00127	6.22
Reach 2	526798	10 - Year	34883	870.25	889.79		890.65	0.001254	7.56
Reach 2	526798	50 - Year	80558	870.25	899.32		900.6	0.001144	9.77
Reach 2	526798	100 - Year	97784	870.25	901.73		903.1	0.001135	10.32
Reach 2	526798	500 - Year	138847	870.25	906.88		908.39	0.001083	11.27
Reach 2	526644	2 - Year	2678	870.25	877.46		877.58	0.001386	2.74
Reach 2	526644	5 - Year	20807	870.25	885.26		885.85	0.001456	6.21
Reach 2	526644	10 - Year	34883	870.25	889.63		890.44	0.001302	7.34
Reach 2	526644	50 - Year	80558	870.25	899.26		900.39	0.00107	9.19
Reach 2	526644	100 - Year	97784	870.25	901.67		902.89	0.001058	9.72
Reach 2	526644	500 - Year	138847	870.25	906.82		908.19	0.001015	10.68
Reach 2	526414	2 - Year	2678	870.25	877.02		877.17	0.00226	3.09
Reach 2	526414	5 - Year	20807	870.25	884.98		885.51	0.00138	5.92
Reach 2	526414	10 - Year	34883	870.25	889.43		890.12	0.001151	6.82
Reach 2	526414	50 - Year	80558	870.25	899.11		900.13	0.000968	8.7
Reach 2	526414	100 - Year	97784	870.25	901.52		902.63	0.000967	9.25
Reach 2	526414	500 - Year	138847	870.25	906.66		907.95	0.000947	10.28
Reach 2	526125	2 - Year	2678	869.09	874.56	874.56	875.55	0.02387	7.98
Reach 2	526125	5 - Year	20807	869.09	884.73		885.12	0.001063	5.13
Reach 2	526125	10 - Year	34883	869.09	889.3		889.79	0.000829	5.77
Reach 2	526125	50 - Year	80558	869.09	899.05		899.83	0.000729	7.56
Reach 2	526125	100 - Year	97784	869.09	901.44		902.33	0.000753	8.16
Reach 2	526125	500 - Year	138847	869.09	906.55		907.67	0.000782	9.33
Reach 2	525664	2 - Year	2678	863.85	873.77		873.85	0.000404	2.23
Reach 2	525664	5 - Year	20807	863.85	884.05		884.66	0.000899	6.33
Reach 2	525664	10 - Year	34883	863.85	888.45		889.33	0.001017	7.88
Reach 2	525664	50 - Year	80558	863.85	897.87		899.35	0.00118	10.88
Reach 2	525664	100 - Year	97784	863.85	900.2		901.84	0.001236	11.69
Reach 2	525664	500 - Year	138847	863.85	905.21		907.16	0.001301	13.2
Reach 2	525305	2 - Year	2678	864.22	873.39		873.59	0.001416	3.57
Reach 2	525305	5 - Year	20807	864.22	883.2		884.17	0.001844	8.07
Reach 2	525305	10 - Year	34883	864.22	887.39		888.79	0.001952	9.9

Reach 2	525305	50 - Year	80558	864.22	896.6		898.75	0.00197	13.1
Reach 2	525305	100 - Year	97784	864.22	898.87		901.21	0.002014	13.98
Reach 2	525305	500 - Year	138847	864.22	904.2		906.57	0.001808	14.8
Reach 2	524891	2 - Year	2678	865.51	872.68		872.91	0.001903	3.85
Reach 2	524891	5 - Year	20807	865.51	882.49		883.3	0.002033	8.11
Reach 2	524891	10 - Year	34883	865.51	886.77		887.81	0.001995	9.5
Reach 2	524891	50 - Year	80558	865.51	896.23		897.6	0.001822	11.86
Reach 2	524891	100 - Year	97784	865.51	898.61		899.98	0.001751	12.26
Reach 2	524891	500 - Year	138847	865.51	904.06		905.4	0.001518	12.72
Reach 2	524621	2 - Year	2678	864.61	872.16		872.39	0.001946	3.96
Reach 2	524621	5 - Year	20807	864.61	881.93		882.74	0.002142	8.35
Reach 2	524621	10 - Year	34883	864.61	886.16		887.24	0.002184	9.95
Reach 2	524621	50 - Year	80558	864.61	895.59		897.06	0.002068	12.62
Reach 2	524621	100 - Year	97784	864.61	898.06		899.49	0.001914	12.83
Reach 2	524621	500 - Year	138847	864.61	903.67		904.98	0.001571	12.98
Reach 2	524407	2 - Year	2678	866.66	871.53		871.79	0.004184	4.67
Reach 2	524407	5 - Year	20807	866.66	881.66		882.24	0.001925	7.54
Reach 2	524407	10 - Year	34883	866.66	885.92		886.72	0.001935	9.03
Reach 2	524407	50 - Year	80558	866.66	895.31		896.56	0.002042	12.24
Reach 2	524407	100 - Year	97784	866.66	897.81		899.02	0.001876	12.44
Reach 2	524407	500 - Year	138847	866.66	903.47		904.59	0.001571	12.77
Reach 2	524202	2 - Year	2678	865.38	870.24		870.74	0.006256	6.04
Reach 2	524202	5 - Year	20807	865.38	881.24		881.85	0.001886	7.88
Reach 2	524202	10 - Year	34883	865.38	885.56		886.33	0.00181	9.13
Reach 2	524202	50 - Year	80558	865.38	895.19		896.09	0.001551	11.05
Reach 2	524202	100 - Year	97784	865.38	897.71		898.58	0.001444	11.27
Reach 2	524202	500 - Year	138847	865.38	903.44		904.21	0.001134	11.16
Reach 2	523829	2 - Year	2678	860	869.27		869.59	0.001744	4.65
Reach 2	523829	5 - Year	20807	860	880.45		881.21	0.001807	8.72
Reach 2	523829	10 - Year	34883	860	884.89		885.73	0.001704	9.76
Reach 2	523829	50 - Year	80558	860	894.69		895.59	0.001465	11.46
Reach 2	523829	100 - Year	97784	860	897.29		898.11	0.001299	11.35
Reach 2	523829	500 - Year	138847	860	903.15		903.83	0.000992	10.99
Reach 2	523518	2 - Year	2678	857.55	869.18		869.29	0.000428	2.73
Reach 2	523518	5 - Year	20807	857.55	879.61		880.64	0.001639	8.75
Reach 2	523518	10 - Year	34883	857.55	883.98		885.16	0.001691	10.14
Reach 2	523518	50 - Year	80558	857.55	893.95		895.1	0.001414	11.65
Reach 2	523518	100 - Year	97784	857.55	896.7		897.69	0.001212	11.36
Reach 2	523518	500 - Year	138847	857.55	902.69		903.5	0.000954	11.14
Reach 2	523286	2 - Year	2678	858.24	869.04		869.17	0.00055	2.97

Reach 2	523286	5 - Year	20807	858.24	878.48		880.01	0.002601	10.44
Reach 2	523286	10 - Year	34883	858.24	883.34		884.67	0.002065	10.88
Reach 2	523286	50 - Year	80558	858.24	893.65		894.74	0.001439	11.61
Reach 2	523286	100 - Year	97784	858.24	896.45		897.38	0.001222	11.28
Reach 2	523286	500 - Year	138847	858.24	902.49		903.26	0.000957	11.06
Reach 2	523059	2 - Year	2678	858.95	868.89		869.03	0.000792	3.13
Reach 2	523059	5 - Year	20807	858.95	878.07		879.27	0.002624	9.78
Reach 2	523059	10 - Year	34883	858.95	883.08		884.1	0.001921	9.98
Reach 2	523059	50 - Year	80558	858.95	893.59		894.29	0.001087	9.79
Reach 2	523059	100 - Year	97784	858.95	896.37		897.02	0.000965	9.75
Reach 2	523059	500 - Year	138847	858.95	902.4		903	0.000809	9.93
Reach 2	522838	2 - Year	2678	860.36	868.61		868.79	0.001634	3.92
Reach 2	522838	5 - Year	20807	860.36	877.72		878.61	0.002848	9.45
Reach 2	522838	10 - Year	34883	860.36	882.71		883.71	0.002441	10.62
Reach 2	522838	50 - Year	80558	860.36	893.43		894.09	0.001211	9.99
Reach 2	522838	100 - Year	97784	860.36	896.23		896.85	0.001073	9.97
Reach 2	522838	500 - Year	138847	860.36	902.22		902.86	0.000948	10.47
Reach 2	522569	2 - Year	2678	857.53	868.47		868.57	0.000378	2.61
Reach 2	522569	5 - Year	20807	857.53	876.46		877.81	0.002482	9.93
Reach 2	522569	10 - Year	34883	857.53	881.04		882.83	0.00268	12.02
Reach 2	522569	50 - Year	80558	857.53	892.65		893.68	0.001332	11.18
Reach 2	522569	100 - Year	97784	857.53	895.66		896.52	0.0011	10.75
Reach 2	522569	500 - Year	138847	857.53	901.92		902.63	0.000847	10.47
Reach 2	522255	2 - Year	2692	861.14	867.56		868.11	0.009887	6.47
Reach 2	522255	5 - Year	20914	861.14	875.87		876.6	0.003332	8.74
Reach 2	522255	10 - Year	34904	861.14	880.8		881.53	0.002282	9.16
Reach 2	522255	50 - Year	81047	861.14	892.46		893.08	0.001207	9.51
Reach 2	522255	100 - Year	98495	861.14	895.47		896.05	0.001038	9.44
Reach 2	522255	500 - Year	139665	861.14	901.75		902.29	0.00081	9.43
Reach 2	522123	2 - Year	2692	860.69	866.41		866.84	0.00906	5.62
Reach 2	522123	5 - Year	20914	860.69	875.9		876.2	0.001561	5.8
Reach 2	522123	10 - Year	34904	860.69	880.91		881.21	0.001081	6.03
Reach 2	522123	50 - Year	81047	860.69	892.55		892.87	0.000694	6.76
Reach 2	522123	100 - Year	98495	860.69	895.55		895.87	0.000641	6.93
Reach 2	522123	500 - Year	139665	860.69	901.8		902.15	0.000569	7.35
Reach 2	521876	2 - Year	2692	856.98	864.98		865.23	0.005584	4.57
Reach 2	521876	5 - Year	20914	856.98	875.25		875.78	0.002401	7.3
Reach 2	521876	10 - Year	34904	856.98	880.22		880.88	0.00203	8.28
Reach 2	521876	50 - Year	81047	856.98	891.86		892.63	0.001575	10.11
Reach 2	521876	100 - Year	98495	856.98	894.96		895.66	0.001327	9.91
Reach 2	521876	500 - Year	139665	856.98	901.29		901.97	0.00107	10

Reach 2	521666	2 - Year	2692	852.44	864.77		864.9	0.000633	2.89
Reach 2	521666	5 - Year	20914	852.44	874.65		875.35	0.001708	7.74
Reach 2	521666	10 - Year	34904	852.44	879.52		880.46	0.001798	9.25
Reach 2	521666	50 - Year	81047	852.44	890.65		892.18	0.002077	12.83
Reach 2	521666	100 - Year	98495	852.44	893.97		895.29	0.001735	12.46
Reach 2	521666	500 - Year	139665	852.44	900.48		901.67	0.001407	12.46
Reach 2	521524	2 - Year	2692	856.7	864.37		864.67	0.00364	4.43
Reach 2	521524	5 - Year	20914	856.7	874.28		875.04	0.002487	7.95
Reach 2	521524	10 - Year	34904	856.7	879.24		880.19	0.002166	9.04
Reach 2	521524	50 - Year	81047	856.7	890.42		891.84	0.00205	11.92
Reach 2	521524	100 - Year	98495	856.7	893.76		895.03	0.001722	11.7
Reach 2	521524	500 - Year	139665	856.7	900.25		901.47	0.00142	11.94
Reach 2	521212	2 - Year	2692	857.16	862.15		862.71	0.011754	6.03
Reach 2	521212	5 - Year	20914	857.16	873.71		874.32	0.00193	7
Reach 2	521212	10 - Year	34904	857.16	878.81		879.53	0.001608	7.83
Reach 2	521212	50 - Year	81047	857.16	890.16		891.15	0.001369	9.81
Reach 2	521212	100 - Year	98495	857.16	893.53		894.45	0.001193	9.81
Reach 2	521212	500 - Year	139665	857.16	900.04		901	0.00105	10.34
Reach 2	520902	2 - Year	2692	853.79	860.3		860.57	0.004273	4.14
Reach 2	520902	5 - Year	20914	853.79	873.45		873.85	0.000997	5.49
Reach 2	520902	10 - Year	34904	853.79	878.66		879.12	0.000853	6.1
Reach 2	520902	50 - Year	81047	853.79	890.14		890.75	0.000741	7.56
Reach 2	520902	100 - Year	98495	853.79	893.45		894.11	0.000724	7.96
Reach 2	520902	500 - Year	139665	853.79	899.93		900.7	0.000715	8.82
Reach 2	520684	2 - Year	2692	848	860.09		860.2	0.000714	2.66
Reach 2	520684	5 - Year	20914	848	872.92		873.57	0.001504	6.78
Reach 2	520684	10 - Year	34904	848	878.21		878.89	0.001311	7.43
Reach 2	520684	50 - Year	81047	848	889.7		890.56	0.001189	9.13
Reach 2	520684	100 - Year	98495	848	893.02		893.92	0.001153	9.53
Reach 2	520684	500 - Year	139665	848	899.5		900.51	0.001126	10.42
Reach 2	520447	2 - Year	2692	849.53	859.67		859.91	0.002386	3.88
Reach 2	520447	5 - Year	20914	849.53	872.14		873.09	0.002503	8.03
Reach 2	520447	10 - Year	34904	849.53	877.55		878.48	0.001971	8.57
Reach 2	520447	50 - Year	81047	849.53	889.16		890.21	0.001548	10.05
Reach 2	520447	100 - Year	98495	849.53	892.5		893.59	0.001474	10.44
Reach 2	520447	500 - Year	139665	849.53	898.94		900.18	0.001466	11.58
Reach 2	520248	2 - Year	2692	849.73	859.41		859.56	0.001183	3.09
Reach 2	520248	5 - Year	20914	849.73	871.74		872.61	0.002099	7.64
Reach 2	520248	10 - Year	34904	849.73	877.11		878.09	0.00188	8.6
Reach 2	520248	50 - Year	81047	849.73	888.85		889.91	0.001466	9.96

Reach 2	520248	100 - Year	98495	849.73	892.22		893.3	0.001384	10.29
Reach 2	520248	500 - Year	139665	849.73	898.68		899.89	0.001339	11.22
Reach 2	520080	2 - Year	2692	849.59	859.06		859.29	0.002196	3.83
Reach 2	520080	5 - Year	20914	849.59	871.27		872.22	0.002533	8.2
Reach 2	520080	10 - Year	34904	849.59	876.71		877.75	0.002159	9.08
Reach 2	520080	50 - Year	81047	849.59	888.48		889.63	0.001694	10.61
Reach 2	520080	100 - Year	98495	849.59	891.88		893.04	0.001568	10.87
Reach 2	520080	500 - Year	139665	849.59	898.37		899.65	0.001482	11.74
Reach 2	519953	2 - Year	2692	847.75	858.99		859.09	0.000787	2.65
Reach 2	519953	5 - Year	20914	847.75	871.29		871.88	0.001393	6.51
Reach 2	519953	10 - Year	34904	847.75	876.69		877.45	0.001391	7.69
Reach 2	519953	50 - Year	81047	847.75	888.38		889.41	0.001322	9.74
Reach 2	519953	100 - Year	98495	847.75	891.77		892.84	0.001272	10.14
Reach 2	519953	500 - Year	139665	847.75	898.23		899.47	0.001269	11.2
Reach 2	519716	2 - Year	2692	850.42	858.32		858.67	0.005821	4.73
Reach 2	519716	5 - Year	20914	850.42	870.46		871.4	0.002717	8.17
Reach 2	519716	10 - Year	34904	850.42	875.8		876.99	0.002503	9.48
Reach 2	519716	50 - Year	81047	850.42	887.68		889.03	0.001913	11.11
Reach 2	519716	100 - Year	98495	850.42	891.1		892.48	0.001784	11.46
Reach 2	519716	500 - Year	139665	850.42	897.57		899.11	0.001712	12.5
Reach 2	519503	2 - Year	2692	852	857.33		857.63	0.004047	4.38
Reach 2	519503	5 - Year	20914	852	869.88		870.84	0.002532	8.23
Reach 2	519503	10 - Year	34904	852	875.24		876.46	0.002404	9.61
Reach 2	519503	50 - Year	81047	852	886.96		888.57	0.002129	11.97
Reach 2	519503	100 - Year	98495	852	890.41		892.05	0.001997	12.36
Reach 2	519503	500 - Year	139665	852	896.87		898.7	0.001924	13.48
Reach 2	519300	2 - Year	2692	849.46	856.34		856.71	0.005059	4.87
Reach 2	519300	5 - Year	20914	849.46	869.4		870.32	0.002477	8.16
Reach 2	519300	10 - Year	34904	849.46	874.74		875.97	0.002425	9.68
Reach 2	519300	50 - Year	81047	849.46	886.54		888.13	0.002119	11.98
Reach 2	519300	100 - Year	98495	849.46	890.01		891.64	0.002	12.41
Reach 2	519300	500 - Year	139665	849.46	896.45		898.3	0.001949	13.6
Reach 2	519118	2 - Year	2692	847	856.16		856.28	0.001016	2.76
Reach 2	519118	5 - Year	20914	847	869.28		869.91	0.001354	6.59
Reach 2	519118	10 - Year	34904	847	874.6		875.54	0.001535	8.23
Reach 2	519118	50 - Year	81047	847	886.33		887.75	0.001612	10.91
Reach 2	519118	100 - Year	98495	847	889.77		891.29	0.001583	11.47
Reach 2	519118	500 - Year	139665	847	896.19		897.96	0.001616	12.8
Reach 2	518979	2 - Year	2692	847.7	855.84		856.06	0.002383	3.82
Reach 2	518979	5 - Year	20914	847.7	868.86		869.67	0.001982	7.58

Reach 2	518979	10 - Year	34904	847.7	874.14		875.27	0.002083	9.21
Reach 2	518979	50 - Year	81047	847.7	885.85		887.48	0.002029	11.9
Reach 2	518979	100 - Year	98495	847.7	889.36		891.03	0.001915	12.32
Reach 2	518979	500 - Year	139665	847.7	895.82		897.7	0.001882	13.53
Reach 2	518881	2 - Year	2692	846.39	855.73		855.87	0.001275	2.99
Reach 2	518881	5 - Year	20914	846.39	868.79		869.46	0.001497	6.84
Reach 2	518881	10 - Year	34904	846.39	874.06		875.05	0.001672	8.5
Reach 2	518881	50 - Year	81047	846.39	885.72		887.27	0.00178	11.37
Reach 2	518881	100 - Year	98495	846.39	889.23		890.83	0.001705	11.83
Reach 2	518881	500 - Year	139665	846.39	895.7		897.51	0.001695	13.05
Reach 2	518704	2 - Year	2692	846.41	855.49		855.63	0.001375	3.09
Reach 2	518704	5 - Year	20914	846.41	868.53		869.19	0.001511	6.8
Reach 2	518704	10 - Year	34904	846.41	873.8		874.74	0.001648	8.36
Reach 2	518704	50 - Year	81047	846.41	885.39		886.95	0.001825	11.42
Reach 2	518704	100 - Year	98495	846.41	888.86		890.51	0.001794	12.04
Reach 2	518704	500 - Year	139665	846.41	895.48		897.18	0.001663	12.86
Reach 2	518485	2 - Year	2692	846.72	855.12		855.29	0.001838	3.3
Reach 2	518485	5 - Year	20914	846.72	868.18		868.85	0.001583	6.85
Reach 2	518485	10 - Year	34904	846.72	873.43		874.38	0.001692	8.36
Reach 2	518485	50 - Year	81047	846.72	884.81		886.51	0.002004	11.82
Reach 2	518485	100 - Year	98495	846.72	888.48		890.12	0.001814	12.01
Reach 2	518485	500 - Year	139665	846.72	895.22		896.78	0.001566	12.42
Reach 2	518202	2 - Year	2692	845.86	854.85		854.94	0.000771	2.5
Reach 2	518202	5 - Year	20914	845.86	867.9		868.43	0.001154	6.02
Reach 2	518202	10 - Year	34904	845.86	873.08		873.92	0.00136	7.66
Reach 2	518202	50 - Year	81047	845.86	884.42		885.95	0.001658	10.9
Reach 2	518202	100 - Year	98495	845.86	888.03		889.63	0.001601	11.41
Reach 2	518202	500 - Year	139665	845.86	894.56		896.33	0.001564	12.49
Reach 2	517901	2 - Year	2692	843.58	854.43		854.61	0.001581	3.43
Reach 2	517901	5 - Year	20914	843.58	867.15		867.96	0.001931	7.69
Reach 2	517901	10 - Year	34904	843.58	872.3		873.4	0.002048	9.29
Reach 2	517901	50 - Year	81047	843.58	883.53		885.34	0.0023	12.69
Reach 2	517901	100 - Year	98495	843.58	887.22		889.06	0.002149	13.11
Reach 2	517901	500 - Year	139665	843.58	893.65		895.75	0.002195	14.66
Reach 2	517591	2 - Year	2692	844.25	853.99		854.16	0.001326	3.35
Reach 2	517591	5 - Year	20914	844.25	866.49		867.34	0.001989	8
Reach 2	517591	10 - Year	34904	844.25	871.52		872.72	0.002209	9.8
Reach 2	517591	50 - Year	81047	844.25	882.64		884.58	0.002494	13.33
Reach 2	517591	100 - Year	98495	844.25	886.16		888.3	0.002522	14.27
Reach 2	517591	500 - Year	139665	844.25	892.74		895	0.002406	15.45

Reach 2	517263	2 - Year	2692	841.17	853.39		853.64	0.001885	4.02
Reach 2	517263	5 - Year	20914	841.17	865.25		866.49	0.003178	9.78
Reach 2	517263	10 - Year	34904	841.17	870.26		871.82	0.003201	11.46
Reach 2	517263	50 - Year	81047	841.17	881.57		883.66	0.003086	14.52
Reach 2	517263	100 - Year	98495	841.17	885.4		887.39	0.002742	14.66
Reach 2	517263	500 - Year	139665	841.17	892.1		894.12	0.002515	15.59
Reach 2	517034	2 - Year	2692	841.12	853.04		853.25	0.001456	3.69
Reach 2	517034	5 - Year	20914	841.12	864.76		865.76	0.002581	8.99
Reach 2	517034	10 - Year	34904	841.12	869.93		871.06	0.00239	10.1
Reach 2	517034	50 - Year	81047	841.12	881.43		882.87	0.002202	12.5
Reach 2	517034	100 - Year	98495	841.12	885.24		886.69	0.002057	12.91
Reach 2	517034	500 - Year	139665	841.12	892.04		893.45	0.001814	13.46
Reach 2	516796	2 - Year	2692	841.38	852.67		852.89	0.001546	3.8
Reach 2	516796	5 - Year	20914	841.38	864.17		865.19	0.002317	8.95
Reach 2	516796	10 - Year	34904	841.38	869.47		870.52	0.001947	9.72
Reach 2	516796	50 - Year	81047	841.38	881.04		882.37	0.00174	11.97
Reach 2	516796	100 - Year	98495	841.38	884.89		886.21	0.00159	12.26
Reach 2	516796	500 - Year	139665	841.38	891.7		893.06	0.001457	13.06
Reach 2	516552	2 - Year	2692	840.41	852.6		852.66	0.000328	2.08
Reach 2	516552	5 - Year	20914	840.41	864.11		864.59	0.000906	6.01
Reach 2	516552	10 - Year	34904	840.41	869.37		870	0.000952	7.18
Reach 2	516552	50 - Year	81047	840.41	880.97		881.85	0.000957	9.24
Reach 2	516552	100 - Year	98495	840.41	884.83		885.73	0.000904	9.58
Reach 2	516552	500 - Year	139665	840.41	891.63		892.62	0.00088	10.47
Reach 2	516272	2 - Year	2692	836.72	852.5		852.58	0.000282	2.28
Reach 2	516272	5 - Year	20914	836.72	863.68		864.3	0.001143	7.14
Reach 2	516272	10 - Year	34904	836.72	868.69		869.64	0.001429	9.1
Reach 2	516272	50 - Year	81047	836.72	880.33		881.52	0.001395	11.33
Reach 2	516272	100 - Year	98495	836.72	884.28		885.44	0.001272	11.52
Reach 2	516272	500 - Year	139665	836.72	891.11		892.34	0.001227	12.46
Reach 2	515986	2 - Year	2692	836	852.45		852.5	0.000201	1.8
Reach 2	515986	5 - Year	20914	836	863.43		863.97	0.000939	6.21
Reach 2	515986	10 - Year	34904	836	868.39		869.22	0.001157	7.91
Reach 2	515986	50 - Year	81047	836	879.53		881.03	0.00147	11.26
Reach 2	515986	100 - Year	98495	836	883.4		884.95	0.001401	11.72
Reach 2	515986	500 - Year	139665	836	890.07		891.83	0.00141	12.99
Reach 2	515641	2 - Year	2692	838.52	852.09		852.32	0.000847	3.85
Reach 2	515641	5 - Year	20914	838.52	861.92		863.26	0.002235	10.52
Reach 2	515641	10 - Year	34904	838.52	866.42		868.34	0.002537	12.99
Reach 2	515641	50 - Year	81047	838.52	875.9		879.64	0.00341	19.02
Reach 2	515641	100 - Year	98495	838.52	878.92		883.36	0.003674	20.96

Reach 2	515641	500 - Year	139665	838.52	885.29		890.18	0.003513	22.9
Reach 2	515303	2 - Year	2692	837.6	851.91		852.04	0.000427	3.14
Reach 2	515303	5 - Year	20914	837.6	861.22		862.47	0.002005	10.52
Reach 2	515303	10 - Year	34904	837.6	865.28		867.36	0.002718	13.89
Reach 2	515303	50 - Year	81047	837.6	874.75		878.44	0.003467	19.67
Reach 2	515303	100 - Year	98495	837.6	877.76		881.88	0.003557	21.12
Reach 2	515303	500 - Year	139665	837.6	883.31		888.67	0.004036	24.75
Reach 2	514930	2 - Year	2692	839.31	851.76		851.87	0.000416	2.98
Reach 2	514930	5 - Year	20914	839.31	860.57		861.51	0.001855	9.75
Reach 2	514930	10 - Year	34904	839.31	864.47		865.92	0.002334	12.45
Reach 2	514930	50 - Year	81047	839.31	873.8		876.36	0.002904	17.54
Reach 2	514930	100 - Year	98495	839.31	876.84		879.63	0.002902	18.65
Reach 2	514930	500 - Year	139665	839.31	882.35		885.89	0.003195	21.6
Reach 2	514569	2 - Year	2692	844.38	851.42		851.6	0.001354	3.42
Reach 2	514569	5 - Year	20914	844.38	859.92		860.79	0.00197	8.18
Reach 2	514569	10 - Year	34904	844.38	863.77		865.02	0.002106	10.03
Reach 2	514569	50 - Year	81047	844.38	873.18		875.21	0.002086	13.38
Reach 2	514569	100 - Year	98495	844.38	876.32		878.45	0.001948	13.93
Reach 2	514569	500 - Year	139665	844.38	881.9		884.54	0.001992	15.81
Reach 2	514242	2 - Year	2692	845.13	850.97		851.13	0.001487	3.3
Reach 2	514242	5 - Year	20914	845.13	859.29		860.07	0.002247	7.87
Reach 2	514242	10 - Year	34904	845.13	863.17		864.25	0.002303	9.46
Reach 2	514242	50 - Year	81047	845.13	872.77		874.41	0.002135	12.26
Reach 2	514242	100 - Year	98495	845.13	875.96		877.69	0.001996	12.77
Reach 2	514242	500 - Year	139665	845.13	881.61		883.73	0.002033	14.47
Reach 2	513898	2 - Year	2692	845.66	850.01		850.3	0.004442	4.38
Reach 2	513898	5 - Year	20914	845.66	858.23		859.12	0.00353	8.42
Reach 2	513898	10 - Year	34904	845.66	862.25		863.34	0.003121	9.59
Reach 2	513898	50 - Year	81047	845.66	871.92		873.58	0.002744	12.32
Reach 2	513898	100 - Year	98495	845.66	875.08		876.9	0.002636	13.04
Reach 2	513898	500 - Year	139665	845.66	880.65		882.92	0.002716	14.89
Reach 2	513641	2 - Year	2692	843.6	848.09		848.61	0.01035	5.79
Reach 2	513641	5 - Year	20914	843.6	856.76		858.02	0.004893	9.75
Reach 2	513641	10 - Year	34904	843.6	861.11		862.44	0.003705	10.47
Reach 2	513641	50 - Year	81047	843.6	871.05		872.85	0.002901	12.77
Reach 2	513641	100 - Year	98495	843.6	874.19		876.18	0.002834	13.62
Reach 2	513641	500 - Year	139665	843.6	879.66		882.17	0.002968	15.63
Reach 2	513361	2 - Year	2692	841.59	845.35		845.83	0.009479	5.59
Reach 2	513361	5 - Year	20914	841.59	855.82		856.86	0.003227	8.71
Reach 2	513361	10 - Year	34904	841.59	860.23		861.52	0.002945	10.04

Reach 2	513361	50 - Year	81047	841.59	870.19		872.07	0.00265	12.78
Reach 2	513361	100 - Year	98495	841.59	873.33		875.41	0.00262	13.65
Reach 2	513361	500 - Year	139665	841.59	878.69		881.35	0.00283	15.77
Reach 2	513139	2 - Year	2692	838.22	844.65		844.85	0.002232	3.68
Reach 2	513139	5 - Year	20914	838.22	855.3		856.22	0.002327	8.11
Reach 2	513139	10 - Year	34904	838.22	859.65		860.92	0.002461	9.83
Reach 2	513139	50 - Year	81047	838.22	869.48		871.48	0.002558	13.1
Reach 2	513139	100 - Year	98495	838.22	872.67		874.84	0.002503	13.86
Reach 2	513139	500 - Year	139665	838.22	878.09		880.74	0.002675	15.87
Reach 2	512823	2 - Year	2692	837.38	844.06		844.27	0.001548	3.66
Reach 2	512823	5 - Year	20914	837.38	854.66		855.61	0.001608	8.14
Reach 2	512823	10 - Year	34904	837.38	858.88		860.24	0.001763	10.02
Reach 2	512823	50 - Year	81047	837.38	868.92		870.78	0.001637	12.73
Reach 2	512823	100 - Year	98495	837.38	872.23		874.09	0.001498	13.07
Reach 2	512823	500 - Year	139665	837.38	877.71		879.89	0.001519	14.59
Reach 2	512449	2 - Year	2692	834.98	843.57		843.73	0.00129	3.27
Reach 2	512449	5 - Year	20914	834.98	853.95		854.9	0.002259	8.32
Reach 2	512449	10 - Year	34904	834.98	858.1		859.45	0.002542	10.25
Reach 2	512449	50 - Year	81047	834.98	867.85		869.97	0.002725	13.72
Reach 2	512449	100 - Year	98495	834.98	870.82		873.28	0.002858	14.95
Reach 2	512449	500 - Year	139665	834.98	876.83		879.16	0.00245	15.45
Reach 2	512108	2 - Year	2692	834.92	842.83		843.08	0.002949	4.11
Reach 2	512108	5 - Year	20914	834.92	853.04		854.04	0.00279	8.61
Reach 2	512108	10 - Year	34904	834.92	857.23		858.52	0.002812	10.19
Reach 2	512108	50 - Year	81047	834.92	867.16		868.97	0.002596	12.95
Reach 2	512108	100 - Year	98495	834.92	870.34		872.2	0.002432	13.43
Reach 2	512108	500 - Year	139665	834.92	876.26		878.26	0.002254	14.47
Reach 2	511827	2 - Year	2692	834.47	842.22		842.43	0.001828	3.66
Reach 2	511827	5 - Year	20914	834.47	852.29		853.28	0.002615	8.65
Reach 2	511827	10 - Year	34904	834.47	856.28		857.7	0.002953	10.68
Reach 2	511827	50 - Year	81047	834.47	866.4		868.24	0.002606	13.23
Reach 2	511827	100 - Year	98495	834.47	869.63		871.52	0.002434	13.69
Reach 2	511827	500 - Year	139665	834.47	875.68		877.63	0.002184	14.51
Reach 2	511481	2 - Year	2692	830.88	841.37		841.64	0.00276	4.17
Reach 2	511481	5 - Year	20914	830.88	851.45		852.34	0.002691	8.44
Reach 2	511481	10 - Year	34904	830.88	855.49		856.61	0.002693	9.89
Reach 2	511481	50 - Year	81047	830.88	865.82		867.25	0.002253	12.06
Reach 2	511481	100 - Year	98495	830.88	869.14		870.57	0.002045	12.33
Reach 2	511481	500 - Year	139665	830.88	875.2		876.79	0.001919	13.38
Reach 2	511117	2 - Year	2691	834	839.25		839.87	0.009002	6.33

Reach 2	511117	5 - Year	20907	834	849.11		850.8	0.005474	11.24
Reach 2	511117	10 - Year	34723	834	853.58		855.29	0.004261	12.01
Reach 2	511117	50 - Year	81099	834	864.27		866.22	0.003095	13.98
Reach 2	511117	100 - Year	98619	834	867.75		869.66	0.002721	14.15
Reach 2	511117	500 - Year	139816	834	874.02		875.98	0.002387	14.92
Reach 2	511003	2 - Year	2691	831.91	836.62	836.44	838.02	0.025731	9.5
Reach 2	511003	5 - Year	20907	831.91	847.26	844.83	849.79	0.008204	13.28
Reach 2	511003	10 - Year	34723	831.91	852.04		854.51	0.005897	13.92
Reach 2	511003	50 - Year	81099	831.91	863.41		865.74	0.003528	15.01
Reach 2	511003	100 - Year	98619	831.91	867.03		869.25	0.003037	15.06
Reach 2	511003	500 - Year	139816	831.91	873.25		875.59	0.002742	16.08
Reach 2	510888	2 - Year	2691	826.38	836.32		836.56	0.00184	3.92
Reach 2	510888	5 - Year	20907	826.38	846.9		848.33	0.003405	9.98
Reach 2	510888	10 - Year	34723	826.38	851.68		853.45	0.003259	11.59
Reach 2	510888	50 - Year	81099	826.38	863.05		865.37	0.002833	14.4
Reach 2	510888	100 - Year	98619	826.38	866.35		868.8	0.00274	15.11
Reach 2	510888	500 - Year	139816	826.38	872.41		875.1	0.002654	16.5
Reach 2	510700	2 - Year	2691	826.75	835.89		836.16	0.002381	4.17
Reach 2	510700	5 - Year	20907	826.75	846.38		847.59	0.003232	9.28
Reach 2	510700	10 - Year	34723	826.75	851.34		852.69	0.00274	10.32
Reach 2	510700	50 - Year	81099	826.75	863.05		864.5	0.001929	11.77
Reach 2	510700	100 - Year	98619	826.75	866.41		867.91	0.001824	12.24
Reach 2	510700	500 - Year	139816	826.75	872.54		874.18	0.001744	13.32
Reach 2	510488	2 - Year	2691	828.36	834.87		835.32	0.006428	5.45
Reach 2	510488	5 - Year	20907	828.36	845.8		846.83	0.003138	8.68
Reach 2	510488	10 - Year	34723	828.36	850.82		852.06	0.002649	9.81
Reach 2	510488	50 - Year	81099	828.36	862.36		864.01	0.002129	12.09
Reach 2	510488	100 - Year	98619	828.36	865.68		867.43	0.002036	12.67
Reach 2	510488	500 - Year	139816	828.36	871.82		873.71	0.001911	13.73
Reach 2	510222	2 - Year	2691	826.17	833.63		833.96	0.003809	4.62
Reach 2	510222	5 - Year	20907	826.17	844.84		845.98	0.003019	8.78
Reach 2	510222	10 - Year	34723	826.17	849.97		851.35	0.002598	9.96
Reach 2	510222	50 - Year	81099	826.17	861.63		863.44	0.002128	12.29
Reach 2	510222	100 - Year	98619	826.17	865.02		866.9	0.002007	12.79
Reach 2	510222	500 - Year	139816	826.17	871.23		873.24	0.001878	13.8
Reach 2	510023	2 - Year	2691	822.03	832.27		832.85	0.007578	6.13
Reach 2	510023	5 - Year	20907	822.03	843.76		845.2	0.004143	10.01
Reach 2	510023	10 - Year	34723	822.03	848.74		850.59	0.00372	11.6
Reach 2	510023	50 - Year	81099	822.03	859.86		862.63	0.003376	15.01
Reach 2	510023	100 - Year	98619	822.03	863.1		866.07	0.00328	15.84
Reach 2	510023	500 - Year	139816	822.03	869.19		872.4	0.003093	17.19

Reach 2	509824	2 - Year	2691	819.92	831.44		831.78	0.00326	4.67
Reach 2	509824	5 - Year	20907	819.92	843.15		844.38	0.003103	9.23
Reach 2	509824	10 - Year	34723	819.92	848.22		849.8	0.002917	10.79
Reach 2	509824	50 - Year	81099	819.92	859.26		861.94	0.003065	14.69
Reach 2	509824	100 - Year	98619	819.92	862.3		865.39	0.003201	15.96
Reach 2	509824	500 - Year	139816	819.92	868.4		871.74	0.003066	17.39
Reach 2	509549	2 - Year	2691	819.08	830.93		831.12	0.001631	3.46
Reach 2	509549	5 - Year	20907	819.08	842.66		843.61	0.002057	8.15
Reach 2	509549	10 - Year	34723	819.08	847.72		849.04	0.00214	9.85
Reach 2	509549	50 - Year	81099	819.08	858.7		861.1	0.00249	13.85
Reach 2	509549	100 - Year	98619	819.08	861.72		864.5	0.002639	15.1
Reach 2	509549	500 - Year	139816	819.08	867.73		870.9	0.002676	16.83
Reach 2	509365	2 - Year	2691	819.53	830.67		830.84	0.001357	3.29
Reach 2	509365	5 - Year	20907	819.53	842.29		843.24	0.001996	8.02
Reach 2	509365	10 - Year	34723	819.53	847.31		848.65	0.002117	9.78
Reach 2	509365	50 - Year	81099	819.53	858.3		860.63	0.002403	13.6
Reach 2	509365	100 - Year	98619	819.53	861.47		863.95	0.00238	14.38
Reach 2	509365	500 - Year	139816	819.53	867.68		870.28	0.002236	15.47
Reach 2	509191	2 - Year	2691	818.11	830.54		830.65	0.000758	2.66
Reach 2	509191	5 - Year	20907	818.11	842.1		842.88	0.001547	7.3
Reach 2	509191	10 - Year	34723	818.11	847.1		848.26	0.001742	9.08
Reach 2	509191	50 - Year	81099	818.11	858.09		860.16	0.002071	12.79
Reach 2	509191	100 - Year	98619	818.11	861.3		863.47	0.002032	13.45
Reach 2	509191	500 - Year	139816	818.11	867.5		869.84	0.001962	14.63
Reach 2	509019	2 - Year	2691	819.1	830.36		830.5	0.001009	3
Reach 2	509019	5 - Year	20907	819.1	841.62		842.57	0.001961	8.08
Reach 2	509019	10 - Year	34723	819.1	846.56		847.92	0.002134	9.91
Reach 2	509019	50 - Year	81099	819.1	857.48		859.76	0.0024	13.63
Reach 2	509019	100 - Year	98619	819.1	860.66		863.08	0.002365	14.37
Reach 2	509019	500 - Year	139816	819.1	867.02		869.48	0.002165	15.28
Reach 2	508801	2 - Year	2691	819.83	830.16		830.29	0.000866	2.86
Reach 2	508801	5 - Year	20907	819.83	841.23		842.14	0.001875	7.95
Reach 2	508801	10 - Year	34723	819.83	846.13		847.45	0.002062	9.79
Reach 2	508801	50 - Year	81099	819.83	857.12		859.2	0.002215	13.17
Reach 2	508801	100 - Year	98619	819.83	860.28		862.53	0.002216	13.98
Reach 2	508801	500 - Year	139816	819.83	866.73		868.96	0.001974	14.68
Reach 2	508615	2 - Year	2691	819	830.04		830.15	0.000638	2.65
Reach 2	508615	5 - Year	20907	819	840.91		841.79	0.001757	7.8
Reach 2	508615	10 - Year	34723	819	845.85		847.04	0.00187	9.43
Reach 2	508615	50 - Year	81099	819	857.05		858.69	0.001825	12.09

Reach 2	508615	100 - Year	98619	819	860.33		861.99	0.001726	12.49
Reach 2	508615	500 - Year	139816	819	866.73		868.48	0.001608	13.38
Reach 2	508411	2 - Year	2691	818.97	829.91		830.02	0.000616	2.6
Reach 2	508411	5 - Year	20907	818.97	840.74		841.41	0.001432	7.1
Reach 2	508411	10 - Year	34723	818.97	845.81		846.6	0.001361	8.14
Reach 2	508411	50 - Year	81099	818.97	857.11		858.22	0.00131	10.36
Reach 2	508411	100 - Year	98619	818.97	860.31		861.56	0.001332	11.08
Reach 2	508411	500 - Year	139816	818.97	866.62		868.1	0.001356	12.38
Reach 2	508212	2 - Year	2691	821.61	829.73		829.86	0.000924	3.01
Reach 2	508212	5 - Year	20907	821.61	840.14		841.04	0.00207	8.25
Reach 2	508212	10 - Year	34723	821.61	845.12		846.24	0.002001	9.58
Reach 2	508212	50 - Year	81099	821.61	856.3		857.86	0.001895	12.21
Reach 2	508212	100 - Year	98619	821.61	859.45		861.19	0.001922	13.05
Reach 2	508212	500 - Year	139816	821.61	865.69		867.72	0.001927	14.51
Reach 2	507951	2 - Year	2691	823.8	828.8		829.28	0.009147	5.76
Reach 2	507951	5 - Year	20907	823.8	839.58		840.4	0.002755	8.28
Reach 2	507951	10 - Year	34723	823.8	844.63		845.64	0.002414	9.5
Reach 2	507951	50 - Year	81099	823.8	855.85		857.32	0.002105	12.06
Reach 2	507951	100 - Year	98619	823.8	859.08		860.62	0.001998	12.57
Reach 2	507951	500 - Year	139816	823.8	865.26		867.17	0.002076	14.34
Reach 2	507708	2 - Year	2691	819.01	826.45		827.06	0.009122	6.35
Reach 2	507708	5 - Year	20907	819.01	838.92		839.79	0.002462	8.54
Reach 2	507708	10 - Year	34723	819.01	843.82		845.05	0.002575	10.4
Reach 2	507708	50 - Year	81099	819.01	855.03		856.78	0.002375	13.24
Reach 2	507708	100 - Year	98619	819.01	858.19		860.09	0.002368	14.07
Reach 2	507708	500 - Year	139816	819.01	864.31		866.62	0.002462	15.94
Reach 2	507461	2 - Year	2691	817.42	826.13		826.29	0.0012	3.39
Reach 2	507461	5 - Year	20907	817.42	838.55		839.28	0.001566	7.68
Reach 2	507461	10 - Year	34723	817.42	843.53		844.48	0.001635	9.15
Reach 2	507461	50 - Year	81099	817.42	854.75		856.22	0.001745	12.17
Reach 2	507461	100 - Year	98619	817.42	857.95		859.52	0.001729	12.82
Reach 2	507461	500 - Year	139816	817.42	864		866.03	0.001948	15
Reach 2	507279	2 - Year	2691	815.92	825.78		826.02	0.001802	3.94
Reach 2	507279	5 - Year	20907	815.92	838.04		838.95	0.002062	8.49
Reach 2	507279	10 - Year	34723	815.92	843.07		844.15	0.001974	9.73
Reach 2	507279	50 - Year	81099	815.92	854.23		855.87	0.00207	12.86
Reach 2	507279	100 - Year	98619	815.92	857.44		859.18	0.002022	13.48
Reach 2	507279	500 - Year	139816	815.92	863.33		865.63	0.002336	15.94
Reach 2	507041	2 - Year	2691	816	825.21		825.54	0.002206	4.62
Reach 2	507041	5 - Year	20907	816	836.49		838.22	0.003876	11.53

Reach 2	507041	10 - Year	34723	816	841.4		843.45	0.003724	13.23
Reach 2	507041	50 - Year	81099	816	852.74		855.21	0.003223	16.03
Reach 2	507041	100 - Year	98619	816	855.95		858.54	0.003133	16.76
Reach 2	507041	500 - Year	139816	816	861.86		864.94	0.00329	18.92
Reach 2	506815	2 - Year	2691	813.99	824.87		825.1	0.001509	3.83
Reach 2	506815	5 - Year	20907	813.99	835.64		837.37	0.003737	11.02
Reach 2	506815	10 - Year	34723	813.99	840.35		842.58	0.003865	13.08
Reach 2	506815	50 - Year	81099	813.99	851.34		854.39	0.00371	16.66
Reach 2	506815	100 - Year	98619	813.99	854.68		857.76	0.003479	17.18
Reach 2	506815	500 - Year	139816	813.99	860.84		864.19	0.003335	18.64
Reach 2	506564	2 - Year	2691	810.61	824.76		824.85	0.000419	2.41
Reach 2	506564	5 - Year	20907	810.61	835.47		836.32	0.001714	7.85
Reach 2	506564	10 - Year	34723	810.61	840.15		841.41	0.002049	9.85
Reach 2	506564	50 - Year	81099	810.61	851.07		853.18	0.002435	13.65
Reach 2	506564	100 - Year	98619	810.61	854.44		856.6	0.002329	14.17
Reach 2	506564	500 - Year	139816	810.61	860.56		863.07	0.002401	15.84
Reach 2	506376	2 - Year	2691	812.51	824.67		824.77	0.000499	2.54
Reach 2	506376	5 - Year	20907	812.51	835		835.96	0.001901	8.27
Reach 2	506376	10 - Year	34723	812.51	839.53		840.98	0.002276	10.41
Reach 2	506376	50 - Year	81099	812.51	850.22		852.67	0.002648	14.39
Reach 2	506376	100 - Year	98619	812.51	853.48		856.08	0.002607	15.16
Reach 2	506376	500 - Year	139816	812.51	859.52		862.54	0.002667	16.93
Reach 2	506129	2 - Year	2691	812.17	824.52		824.62	0.000677	2.58
Reach 2	506129	5 - Year	20907	812.17	834.61		835.46	0.001889	7.67
Reach 2	506129	10 - Year	34723	812.17	839.08		840.38	0.002216	9.68
Reach 2	506129	50 - Year	81099	812.17	849.76		851.96	0.002474	13.33
Reach 2	506129	100 - Year	98619	812.17	852.98		855.4	0.002467	14.18
Reach 2	506129	500 - Year	139816	812.17	858.71		861.85	0.002763	16.57
Reach 2	505876	2 - Year	2691	814.58	824.24		824.38	0.001344	3.01
Reach 2	505876	5 - Year	20907	814.58	834.19		834.94	0.001978	7.34
Reach 2	505876	10 - Year	34723	814.58	838.7		839.77	0.002066	8.91
Reach 2	505876	50 - Year	81099	814.58	849.54		851.24	0.002049	11.87
Reach 2	505876	100 - Year	98619	814.58	852.81		854.67	0.002012	12.58
Reach 2	505876	500 - Year	139816	814.58	858.67		861	0.002135	14.41
Reach 2	505559	2 - Year	2691	815.29	823.76		823.9	0.001762	3.05
Reach 2	505559	5 - Year	20907	815.29	833.64		834.32	0.001854	6.84
Reach 2	505559	10 - Year	34723	815.29	838.16		839.12	0.001874	8.26
Reach 2	505559	50 - Year	81099	815.29	849.03		850.6	0.001823	11.03
Reach 2	505559	100 - Year	98619	815.29	852.33		854.04	0.001773	11.67
Reach 2	505559	500 - Year	139816	815.29	858.3		860.29	0.001755	12.97

Reach 2	505278	2 - Year	2691	816.83	823.31		823.45	0.001474	2.99
Reach 2	505278	5 - Year	20907	816.83	833.09		833.79	0.001881	7.02
Reach 2	505278	10 - Year	34723	816.83	837.56		838.57	0.00197	8.57
Reach 2	505278	50 - Year	81099	816.83	848.35		850.05	0.001995	11.62
Reach 2	505278	100 - Year	98619	816.83	851.66		853.5	0.001932	12.26
Reach 2	505278	500 - Year	139816	816.83	857.55		859.75	0.001965	13.78
Reach 2	505034	2 - Year	2691	814.5	822.87		823.03	0.001965	3.27
Reach 2	505034	5 - Year	20907	814.5	832.71		833.32	0.001785	6.73
Reach 2	505034	10 - Year	34723	814.5	837.23		838.06	0.001772	8.05
Reach 2	505034	50 - Year	81099	814.5	848.13		849.5	0.001725	10.75
Reach 2	505034	100 - Year	98619	814.5	851.45		852.96	0.001698	11.45
Reach 2	505034	500 - Year	139816	814.5	857.38		859.19	0.001724	12.87
Reach 2	504847	2 - Year	2691	815	821.76		822.29	0.009855	5.85
Reach 2	504847	5 - Year	20907	815	831.85		832.83	0.003323	8.65
Reach 2	504847	10 - Year	34723	815	836.45		837.62	0.002807	9.7
Reach 2	504847	50 - Year	81099	815	847.2		849.06	0.002599	12.8
Reach 2	504847	100 - Year	98619	815	850.55		852.54	0.002469	13.44
Reach 2	504847	500 - Year	139816	815	856.5		858.77	0.002386	14.81
Reach 2	504650	2 - Year	2691	812.75	821.08		821.3	0.002621	3.77
Reach 2	504650	5 - Year	20907	812.75	831.58		832.25	0.001918	7.17
Reach 2	504650	10 - Year	34723	812.75	836.15		837.09	0.001948	8.62
Reach 2	504650	50 - Year	81099	812.75	846.88		848.54	0.002081	11.93
Reach 2	504650	100 - Year	98619	812.75	850.29		852.03	0.001963	12.43
Reach 2	504650	500 - Year	139816	812.75	856.2		858.28	0.001995	13.96
Reach 2	504431	2 - Year	2691	811.81	820.14		820.49	0.005408	4.73
Reach 2	504431	5 - Year	20907	811.81	830.99		831.79	0.002322	7.72
Reach 2	504431	10 - Year	34723	811.81	835.55		836.62	0.002297	9.2
Reach 2	504431	50 - Year	81099	811.81	846.34		848.06	0.002237	12.24
Reach 2	504431	100 - Year	98619	811.81	849.78		851.59	0.002097	12.74
Reach 2	504431	500 - Year	139816	811.81	855.73		857.84	0.002084	14.17
Reach 2	504227	2 - Year	2691	811.5	819.26		819.56	0.003775	4.46
Reach 2	504227	5 - Year	20907	811.5	830.32		831.28	0.002541	8.41
Reach 2	504227	10 - Year	34723	811.5	834.87		836.12	0.002502	9.91
Reach 2	504227	50 - Year	81099	811.5	845.53		847.55	0.002566	13.34
Reach 2	504227	100 - Year	98619	811.5	849.03		851.11	0.002382	13.81
Reach 2	504227	500 - Year	139816	811.5	855.15		857.39	0.002231	14.91
Reach 2	504041	2 - Year	2691	809.54	818.75		818.98	0.002475	3.87
Reach 2	504041	5 - Year	20907	809.54	829.87		830.82	0.002316	8.17
Reach 2	504041	10 - Year	34723	809.54	834.38		835.66	0.002393	9.81
Reach 2	504041	50 - Year	81099	809.54	845.07		847.09	0.002417	13.05
Reach 2	504041	100 - Year	98619	809.54	848.56		850.67	0.002292	13.64

Reach 2	504041	500 - Year	139816	809.54	854.77		856.98	0.002104	14.59
Reach 2	503858	2 - Year	2691	808.17	818.34		818.56	0.002111	3.79
Reach 2	503858	5 - Year	20907	808.17	829.26		830.36	0.002616	8.75
Reach 2	503858	10 - Year	34723	808.17	833.65		835.16	0.002798	10.61
Reach 2	503858	50 - Year	81099	808.17	844.46		846.61	0.00262	13.6
Reach 2	503858	100 - Year	98619	808.17	847.77		850.19	0.002657	14.65
Reach 2	503858	500 - Year	139816	808.17	854.24		856.57	0.002269	15.17
Reach 2	503670	2 - Year	2691	806	818.13		818.27	0.000996	3.06
Reach 2	503670	5 - Year	20907	806	828.89		829.88	0.002123	8.34
Reach 2	503670	10 - Year	34723	806	833.16		834.65	0.002528	10.52
Reach 2	503670	50 - Year	81099	806	844		846.11	0.002444	13.52
Reach 2	503670	100 - Year	98619	806	847.07		849.66	0.002713	15.11
Reach 2	503670	500 - Year	139816	806	853.8		856.13	0.002208	15.29
Reach 2	503450	2 - Year	2691	807.6	817.91		818.06	0.000909	3.07
Reach 2	503450	5 - Year	20907	807.6	828.27		829.35	0.002354	8.84
Reach 2	503450	10 - Year	34723	807.6	832.61		834.07	0.002563	10.67
Reach 2	503450	50 - Year	81099	807.6	843.47		845.56	0.002504	13.76
Reach 2	503450	100 - Year	98619	807.6	846.52		849.01	0.002739	15.27
Reach 2	503450	500 - Year	139816	807.6	853.42		855.56	0.002135	15.15
Reach 2	503223	2 - Year	2695	810.24	817.15		817.54	0.005039	4.97
Reach 2	503223	5 - Year	20942	810.24	827.62		828.72	0.003219	9.15
Reach 2	503223	10 - Year	34723	810.24	832.01		833.34	0.002992	10.5
Reach 2	503223	50 - Year	81278	810.24	843.06		844.54	0.002195	12.19
Reach 2	503223	100 - Year	98853	810.24	846.13		847.76	0.002218	13.08
Reach 2	503223	500 - Year	140071	810.24	853.14		854.52	0.001678	12.93
Reach 2	503107	2 - Year	2695	808.72	816.58		816.97	0.004647	4.98
Reach 2	503107	5 - Year	20942	808.72	826.9		828.24	0.003812	9.95
Reach 2	503107	10 - Year	34723	808.72	831.61		832.97	0.003055	10.71
Reach 2	503107	50 - Year	81278	808.72	843.01		844.11	0.001777	11.11
Reach 2	503107	100 - Year	98853	808.72	846.13		847.29	0.001745	11.74
Reach 2	503107	500 - Year	140071	808.72	853.31		854.03	0.001003	10.12
Reach 2	502926	2 - Year	2695	808.25	815.24		815.79	0.008859	5.95
Reach 2	502926	5 - Year	20942	808.25	826.35		827.48	0.003336	9.19
Reach 2	502926	10 - Year	34723	808.25	831.23		832.33	0.002516	9.7
Reach 2	502926	50 - Year	81278	808.25	842.79		843.72	0.001484	10.18
Reach 2	502926	100 - Year	98853	808.25	845.99		846.86	0.001291	10.15
Reach 2	502926	500 - Year	140071	808.25	853.04		853.82	0.001	10.12
Reach 2	502725	2 - Year	2695	807.1	814.36		814.62	0.003293	4.1
Reach 2	502725	5 - Year	20942	807.1	825.98		826.81	0.002034	7.69
Reach 2	502725	10 - Year	34723	807.1	830.79		831.87	0.001984	9.06

Reach 2	502725	50 - Year	81278	807.1	842.14		843.34	0.001526	10.63
Reach 2	502725	100 - Year	98853	807.1	845.26		846.48	0.001443	10.99
Reach 2	502725	500 - Year	140071	807.1	852.2		853.45	0.001273	11.64
Reach 2	502471	2 - Year	2695	804	813.58		813.87	0.002601	4.33
Reach 2	502471	5 - Year	20942	804	825.22		826.21	0.002418	8.81
Reach 2	502471	10 - Year	34723	804	829.86		831.21	0.002588	10.68
Reach 2	502471	50 - Year	81278	804	841.35		842.82	0.001986	12.39
Reach 2	502471	100 - Year	98853	804	844.44		845.97	0.001928	12.94
Reach 2	502471	500 - Year	140071	804	851.31		852.96	0.001786	13.98
Reach 2	502238	2 - Year	2695	804	813.14		813.36	0.001634	3.8
Reach 2	502238	5 - Year	20942	804	824.12		825.48	0.003022	9.86
Reach 2	502238	10 - Year	34723	804	828.53		830.4	0.003309	11.98
Reach 2	502238	50 - Year	81278	804	839		841.84	0.003486	15.95
Reach 2	502238	100 - Year	98853	804	842.12		845.02	0.00331	16.52
Reach 2	502238	500 - Year	140071	804	849.01		852.05	0.002997	17.69
Reach 2	502036	2 - Year	2695	800.09	812.92		813.06	0.000867	2.94
Reach 2	502036	5 - Year	20942	800.09	823.69		824.69	0.002105	8.33
Reach 2	502036	10 - Year	34723	800.09	828.06		829.5	0.002406	10.3
Reach 2	502036	50 - Year	81278	800.09	838.45		840.97	0.002829	14.43
Reach 2	502036	100 - Year	98853	800.09	841.55		844.32	0.002849	15.39
Reach 2	502036	500 - Year	140071	800.09	847.74		851.24	0.003052	17.72
Reach 2	501856	2 - Year	2695	799.87	812.71		812.87	0.001088	3.22
Reach 2	501856	5 - Year	20942	799.87	823.23		824.27	0.002421	8.69
Reach 2	501856	10 - Year	34723	799.87	827.6		829.05	0.00266	10.58
Reach 2	501856	50 - Year	81278	799.87	837.99		840.42	0.002956	14.47
Reach 2	501856	100 - Year	98853	799.87	840.85		843.75	0.003211	15.97
Reach 2	501856	500 - Year	140071	799.87	846.52		850.51	0.003734	19.03
Reach 2	501677	2 - Year	2695	800.05	812.57		812.7	0.000812	2.92
Reach 2	501677	5 - Year	20942	800.05	822.94		823.82	0.002151	8.08
Reach 2	501677	10 - Year	34723	800.05	827.27		828.55	0.002449	10.01
Reach 2	501677	50 - Year	81278	800.05	837.6		839.88	0.00282	13.92
Reach 2	501677	100 - Year	98853	800.05	840.48		843.15	0.003012	15.24
Reach 2	501677	500 - Year	140071	800.05	845.93		849.85	0.003726	18.67
Reach 2	501472	2 - Year	2695	800.75	812.25		812.46	0.001736	3.64
Reach 2	501472	5 - Year	20942	800.75	822.37		823.33	0.002721	8.53
Reach 2	501472	10 - Year	34723	800.75	826.69		828.02	0.002891	10.33
Reach 2	501472	50 - Year	81278	800.75	837.1		839.27	0.002963	13.82
Reach 2	501472	100 - Year	98853	800.75	839.99		842.5	0.003087	14.98
Reach 2	501472	500 - Year	140071	800.75	845.41		849.01	0.003758	18.27
Reach 2	501324	2 - Year	2695	800.58	812.08		812.26	0.000917	3.38

Reach 2	501324	5 - Year	20942	800.58	822.04		823.01	0.001731	8.57
Reach 2	501324	10 - Year	34723	800.58	826.24		827.65	0.001945	10.59
Reach 2	501324	50 - Year	81278	800.58	836.15		838.76	0.002308	15.01
Reach 2	501324	100 - Year	98853	800.58	838.63		841.86	0.002605	16.8
Reach 2	501324	500 - Year	140071	800.58	844.05		848.33	0.002918	19.68
Reach 2	501163	2 - Year	2695	800.83	812.02		812.13	0.000524	2.75
Reach 2	501163	5 - Year	20942	800.83	821.86		822.73	0.001386	7.9
Reach 2	501163	10 - Year	34723	800.83	826		827.34	0.001643	9.97
Reach 2	501163	50 - Year	81278	800.83	835.79		838.4	0.002085	14.52
Reach 2	501163	100 - Year	98853	800.83	838.22		841.46	0.002358	16.24
Reach 2	501163	500 - Year	140071	800.83	843.68		847.85	0.002583	18.82
Reach 2	501056	2 - Year	2695	800.75	811.98		812.08	0.000453	2.54
Reach 2	501056	5 - Year	20942	800.75	821.71		822.59	0.001316	7.73
Reach 2	501056	10 - Year	34723	800.75	825.81		827.16	0.001586	9.82
Reach 2	501056	50 - Year	81278	800.75	835.56		838.18	0.001999	14.25
Reach 2	501056	100 - Year	98853	800.75	838.04		841.19	0.002202	15.75
Reach 2	501056	500 - Year	140071	800.75	843.44		847.56	0.002444	18.36
Reach 2	500936	2 - Year	2695	800.31	811.93		812.02	0.000398	2.45
Reach 2	500936	5 - Year	20942	800.31	821.61		822.42	0.001216	7.53
Reach 2	500936	10 - Year	34723	800.31	825.67		826.96	0.001502	9.65
Reach 2	500936	50 - Year	81278	800.31	835.4		837.92	0.001922	14.07
Reach 2	500936	100 - Year	98853	800.31	837.84		840.9	0.00214	15.62
Reach 2	500936	500 - Year	140071	800.31	843.23		847.24	0.002387	18.24
Reach 2	500812	2 - Year	2695	799.67	811.87		811.97	0.000461	2.52
Reach 2	500812	5 - Year	20942	799.67	821.44		822.26	0.001322	7.49
Reach 2	500812	10 - Year	34723	799.67	825.47		826.76	0.001609	9.59
Reach 2	500812	50 - Year	81278	799.67	835.1		837.66	0.002037	14
Reach 2	500812	100 - Year	98853	799.67	837.56		840.62	0.002226	15.44
Reach 2	500812	500 - Year	140071	799.67	843		846.91	0.002402	17.8
Reach 2	500667	2 - Year	2695	800.17	811.83		811.9	0.000369	2.24
Reach 2	500667	5 - Year	20942	800.17	821.36		822.05	0.001059	6.84
Reach 2	500667	10 - Year	34723	800.17	825.4		826.49	0.001295	8.76
Reach 2	500667	50 - Year	81278	800.17	835.13		837.27	0.001631	12.76
Reach 2	500667	100 - Year	98853	800.17	837.64		840.18	0.001773	14.04
Reach 2	500667	500 - Year	140071	800.17	843.13		846.41	0.001932	16.25
Reach 2	500456	2 - Year	2695	802.97	811.67		811.79	0.000814	2.82
Reach 2	500456	5 - Year	20942	802.97	821.1		821.8	0.00129	7.07
Reach 2	500456	10 - Year	34723	802.97	825.17		826.18	0.001398	8.67
Reach 2	500456	50 - Year	81278	802.97	835		836.85	0.001577	12.2
Reach 2	500456	100 - Year	98853	802.97	837.55		839.7	0.001671	13.3
Reach 2	500456	500 - Year	140071	802.97	843.15		845.85	0.001752	15.21

Reach 2	500290	2 - Year	2695	802.57	811.59		811.68	0.000445	2.45
Reach 2	500290	5 - Year	20942	802.57	820.87		821.59	0.001197	7.19
Reach 2	500290	10 - Year	34723	802.57	824.85		825.94	0.001409	9.05
Reach 2	500290	50 - Year	81278	802.57	834.65		836.58	0.001605	12.62
Reach 2	500290	100 - Year	98853	802.57	837.14		839.41	0.001731	13.83
Reach 2	500290	500 - Year	140071	802.57	842.42		845.5	0.001979	16.36
Reach 2	500153	2 - Year	2695	802.09	811.38		811.55	0.001658	3.36
Reach 2	500153	5 - Year	20942	802.09	820.4		821.3	0.002691	8.26
Reach 2	500153	10 - Year	34723	802.09	824.48		825.66	0.002699	9.77
Reach 2	500153	50 - Year	81278	802.09	834.47		836.21	0.002565	12.7
Reach 2	500153	100 - Year	98853	802.09	837.02		838.96	0.002628	13.61
Reach 2	500153	500 - Year	140071	802.09	842.61		844.71	0.002473	14.75
Reach 2	499991	2 - Year	2695	801.97	811.03		811.23	0.002286	3.69
Reach 2	499991	5 - Year	20942	801.97	819.84		820.82	0.00314	8.62
Reach 2	499991	10 - Year	34723	801.97	823.82		825.17	0.003214	10.34
Reach 2	499991	50 - Year	81278	801.97	833.73		835.74	0.003024	13.49
Reach 2	499991	100 - Year	98853	801.97	836.48		838.51	0.00284	13.93
Reach 2	499991	500 - Year	140071	801.97	842.32		844.27	0.002421	14.47
Reach 2	499917	2 - Year	2695	801.74	810.88		811.06	0.001984	3.45
Reach 2	499917	5 - Year	20942	801.74	819.61		820.6	0.003051	8.47
Reach 2	499917	10 - Year	34723	801.74	823.6		824.92	0.003086	10.12
Reach 2	499917	50 - Year	81278	801.74	833.79		835.29	0.002332	11.92
Reach 2	499917	100 - Year	98853	801.74	836.67		837.98	0.001956	11.66
Reach 2	499917	500 - Year	140071	801.74	842.6		843.71	0.001482	11.42
Reach 2	499846	2 - Year	2695	803.1	810.71		810.91	0.002423	3.58
Reach 2	499846	5 - Year	20942	803.1	819.47		820.36	0.0029	8.1
Reach 2	499846	10 - Year	34723	803.1	823.57		824.65	0.002651	9.28
Reach 2	499846	50 - Year	81278	803.1	833.82		835.05	0.001957	10.87
Reach 2	499846	100 - Year	98853	803.1	836.58		837.82	0.001824	11.19
Reach 2	499846	500 - Year	140071	803.1	842.25		843.57	0.001645	11.91
Reach 2	499674	2 - Year	2695	802.87	810.36		810.52	0.001994	3.25
Reach 2	499674	5 - Year	20942	802.87	818.94		819.86	0.002846	7.96
Reach 2	499674	10 - Year	34723	802.87	823.05		824.18	0.002645	9.21
Reach 2	499674	50 - Year	81278	802.87	833.69		834.68	0.001545	9.71
Reach 2	499674	100 - Year	98853	802.87	836.44		837.47	0.00148	10.13
Reach 2	499674	500 - Year	140071	802.87	842.12		843.25	0.001376	10.94
Reach 2	499406	2 - Year	2695	803.14	807.67	807.67	809.02	0.033165	9.31
Reach 2	499406	5 - Year	20942	803.14	816.84		818.61	0.007557	11.79
Reach 2	499406	10 - Year	34723	803.14	821.61		823.21	0.004823	11.88
Reach 2	499406	50 - Year	81278	803.14	832.55		834.08	0.002838	12.86

Reach 2	499406	100 - Year	98853	803.14	835.55		836.94	0.002408	12.71
Reach 2	499406	500 - Year	140071	803.14	841.52		842.81	0.001931	12.83
Reach 2	499243	2 - Year	2695	794.77	806.15		806.35	0.00114	3.61
Reach 2	499243	5 - Year	20942	794.77	816.59		817.67	0.002944	9.08
Reach 2	499243	10 - Year	34723	794.77	821.37		822.52	0.002501	9.99
Reach 2	499243	50 - Year	81278	794.77	832.44		833.6	0.001789	11.27
Reach 2	499243	100 - Year	98853	794.77	835.38		836.55	0.001679	11.58
Reach 2	499243	500 - Year	140071	794.77	841.27		842.51	0.001555	12.38
Reach 2	498987	2 - Year	2695	798.56	805.29		805.76	0.005978	5.51
Reach 2	498987	5 - Year	20942	798.56	815.46		816.71	0.004952	9.96
Reach 2	498987	10 - Year	34723	798.56	820.26		821.69	0.004168	11.14
Reach 2	498987	50 - Year	81278	798.56	831.64		833.04	0.002651	12.2
Reach 2	498987	100 - Year	98853	798.56	834.57		836.01	0.00252	12.66
Reach 2	498987	500 - Year	140071	798.56	840.55		842.03	0.002232	13.31
Reach 2	498851	2 - Year	2695	796.46	802.44	802.44	804.01	0.036572	10.05
Reach 2	498851	5 - Year	20942	796.46	814.24		815.94	0.006371	11.65
Reach 2	498851	10 - Year	34723	796.46	819.34		821.09	0.004918	12.52
Reach 2	498851	50 - Year	81278	796.46	831.09		832.68	0.00303	13.44
Reach 2	498851	100 - Year	98853	796.46	834.15		835.69	0.002762	13.65
Reach 2	498851	500 - Year	140071	796.46	840.34		841.74	0.002243	13.74
Reach 2	498727	2 - Year	2695	787.49	802.52		802.64	0.00069	2.83
Reach 2	498727	5 - Year	20942	787.49	814.31		815.31	0.00215	8.54
Reach 2	498727	10 - Year	34723	787.49	819.12		820.58	0.002562	10.68
Reach 2	498727	50 - Year	81278	787.49	830.72		832.36	0.002266	12.84
Reach 2	498727	100 - Year	98853	787.49	833.71		835.38	0.002197	13.3
Reach 2	498727	500 - Year	140071	787.49	839.75		841.45	0.002064	14.14
Reach 2	498622	2 - Year	2695	786.68	802.44		802.57	0.00074	2.92
Reach 2	498622	5 - Year	20942	786.68	813.95		815.06	0.002418	9
Reach 2	498622	10 - Year	34723	786.68	818.66		820.28	0.002898	11.28
Reach 2	498622	50 - Year	81278	786.68	830.31		832.1	0.00248	13.41
Reach 2	498622	100 - Year	98853	786.68	833.3		835.13	0.002407	13.91
Reach 2	498622	500 - Year	140071	786.68	839.18		841.19	0.002416	15.25
Reach 2	498491	2 - Year	2695	785.73	802.42		802.49	0.000285	2.12
Reach 2	498491	5 - Year	20942	785.73	813.87		814.73	0.001543	7.76
Reach 2	498491	10 - Year	34723	785.73	818.52		819.89	0.002039	10.06
Reach 2	498491	50 - Year	81278	785.73	829.75		831.76	0.002315	13.43
Reach 2	498491	100 - Year	98853	785.73	832.66		834.78	0.002339	14.16
Reach 2	498491	500 - Year	140071	785.73	838.45		840.83	0.002418	15.69
Reach 2	498357	2 - Year	2695	787.12	802.35		802.44	0.000493	2.46
Reach 2	498357	5 - Year	20942	787.12	813.67		814.51	0.001762	7.79

Reach 2	498357	10 - Year	34723	787.12	818.24		819.59	0.002288	10.12
Reach 2	498357	50 - Year	81278	787.12	829.52		831.41	0.00238	13.18
Reach 2	498357	100 - Year	98853	787.12	832.45		834.43	0.002364	13.82
Reach 2	498357	500 - Year	140071	787.12	838.23		840.47	0.002429	15.33
Reach 2	498215	2 - Year	2695	794.97	802.07		802.29	0.00244	3.93
Reach 2	498215	5 - Year	20942	794.97	813.16		814.17	0.002972	8.86
Reach 2	498215	10 - Year	34723	794.97	817.75		819.2	0.003259	10.9
Reach 2	498215	50 - Year	81278	794.97	829.17		831.04	0.002819	13.47
Reach 2	498215	100 - Year	98853	794.97	832.09		834.06	0.002764	14.12
Reach 2	498215	500 - Year	140071	794.97	837.87		840.1	0.002759	15.58
Reach 2	498044	2 - Year	2695	791.29	801.32		801.71	0.004683	5.06
Reach 2	498044	5 - Year	20942	791.29	812.42		813.58	0.003763	9.67
Reach 2	498044	10 - Year	34723	791.29	817.12		818.6	0.003673	11.31
Reach 2	498044	50 - Year	81278	791.29	828.67		830.53	0.003051	13.79
Reach 2	498044	100 - Year	98853	791.29	831.63		833.55	0.002944	14.35
Reach 2	498044	500 - Year	140071	791.29	837.45		839.58	0.002858	15.65
Reach 2	497903	2 - Year	2695	791.05	800.96		801.21	0.002404	4.02
Reach 2	497903	5 - Year	20942	791.05	811.99		813.08	0.003163	9.18
Reach 2	497903	10 - Year	34723	791.05	816.7		818.11	0.003156	10.78
Reach 2	497903	50 - Year	81278	791.05	827.93		830.07	0.003172	14.26
Reach 2	497903	100 - Year	98853	791.05	830.83		833.1	0.003138	15
Reach 2	497903	500 - Year	140071	791.05	836.53		839.13	0.003164	16.61
Reach 2	497770	2 - Year	2695	790.25	800.59		800.87	0.002705	4.18
Reach 2	497770	5 - Year	20942	790.25	811.4		812.62	0.003611	9.62
Reach 2	497770	10 - Year	34723	790.25	816.08		817.65	0.003587	11.29
Reach 2	497770	50 - Year	81278	790.25	827.06		829.58	0.00377	15.24
Reach 2	497770	100 - Year	98853	790.25	829.91		832.61	0.003762	16.11
Reach 2	497770	500 - Year	140071	790.25	835.61		838.64	0.003715	17.69
Reach 2	497622	2 - Year	2695	788.86	800.45		800.6	0.000998	3.15
Reach 2	497622	5 - Year	20942	788.86	810.97		812.13	0.002891	9.28
Reach 2	497622	10 - Year	34723	788.86	815.57		817.15	0.00316	11.23
Reach 2	497622	50 - Year	81278	788.86	826.23		829.01	0.003775	15.77
Reach 2	497622	100 - Year	98853	788.86	829.18		832.05	0.003686	16.47
Reach 2	497622	500 - Year	140071	788.86	834.83		838.07	0.003721	18.19
Reach 2	497429	2 - Year	2695	787.67	800.35		800.45	0.000527	2.47
Reach 2	497429	5 - Year	20942	787.67	810.76		811.58	0.001919	7.8
Reach 2	497429	10 - Year	34723	787.67	815.3		816.53	0.002281	9.77
Reach 2	497429	50 - Year	81278	787.67	825.71		828.28	0.00321	14.72
Reach 2	497429	100 - Year	98853	787.67	828.59		831.36	0.003253	15.63
Reach 2	497429	500 - Year	140071	787.67	834.29		837.36	0.003247	17.16

Reach 2	497260	2 - Year	2695	789.66	800.2		800.33	0.000868	2.93
Reach 2	497260	5 - Year	20942	789.66	810.33		811.22	0.002365	8.29
Reach 2	497260	10 - Year	34723	789.66	814.87		816.12	0.002639	10.15
Reach 2	497260	50 - Year	81278	789.66	825.31		827.67	0.003326	14.65
Reach 2	497260	100 - Year	98853	789.66	828.05		830.77	0.003552	15.96
Reach 2	497260	500 - Year	140071	789.66	833.8		836.76	0.00344	17.34
Reach 2	497111	2 - Year	2695	788.64	800.11		800.21	0.000643	2.62
Reach 2	497111	5 - Year	20942	788.64	810.05		810.86	0.002103	7.89
Reach 2	497111	10 - Year	34723	788.64	814.54		815.72	0.002414	9.77
Reach 2	497111	50 - Year	81278	788.64	824.87		827.16	0.003145	14.27
Reach 2	497111	100 - Year	98853	788.64	827.62		830.22	0.003309	15.43
Reach 2	497111	500 - Year	140071	788.64	833.37		836.24	0.003252	16.88
Reach 2	496961	2 - Year	2695	788.12	799.95		800.08	0.001128	2.95
Reach 2	496961	5 - Year	20942	788.12	809.76		810.52	0.002296	7.65
Reach 2	496961	10 - Year	34723	788.12	814.28		815.31	0.002404	9.19
Reach 2	496961	50 - Year	81278	788.12	824.7		826.59	0.002842	13.05
Reach 2	496961	100 - Year	98853	788.12	827.58		829.59	0.002815	13.77
Reach 2	496961	500 - Year	140071	788.12	833.54		835.55	0.002522	14.5
Reach 2	496880	2 - Year	2695	788.14	799.86		799.99	0.001163	2.9
Reach 2	496880	5 - Year	20942	788.14	809.67		810.31	0.002004	7.06
Reach 2	496880	10 - Year	34723	788.14	814.22		815.08	0.002058	8.44
Reach 2	496880	50 - Year	81278	788.14	824.7		826.29	0.002424	12.02
Reach 2	496880	100 - Year	98853	788.14	827.55		829.3	0.002441	12.78
Reach 2	496880	500 - Year	140071	788.14	833.22		835.34	0.002541	14.45
Reach 2	496784	2 - Year	2695	789.13	799.68		799.85	0.001775	3.34
Reach 2	496784	5 - Year	20942	789.13	809.32		810.08	0.002577	7.72
Reach 2	496784	10 - Year	34723	789.13	813.86		814.85	0.002522	9.07
Reach 2	496784	50 - Year	81278	789.13	824.22		826.02	0.002866	12.76
Reach 2	496784	100 - Year	98853	789.13	826.98		829.01	0.002962	13.75
Reach 2	496784	500 - Year	140071	789.13	832.72		835.05	0.00293	15.21
Reach 2	496565	2 - Year	2695	788.57	799.16		799.37	0.00269	3.74
Reach 2	496565	5 - Year	20942	788.57	808.67		809.48	0.002953	7.95
Reach 2	496565	10 - Year	34723	788.57	813.29		814.29	0.002689	9.12
Reach 2	496565	50 - Year	81278	788.57	823.69		825.38	0.002803	12.43
Reach 2	496565	100 - Year	98853	788.57	826.39		828.36	0.002973	13.57
Reach 2	496565	500 - Year	140071	788.57	832.08		834.42	0.003004	15.2
Reach 2	496405	2 - Year	2695	790.11	798.65		798.89	0.003367	3.99
Reach 2	496405	5 - Year	20942	790.11	808.14		808.99	0.003198	8.14
Reach 2	496405	10 - Year	34723	790.11	812.81		813.85	0.002841	9.28
Reach 2	496405	50 - Year	81278	790.11	823.26		824.94	0.002811	12.38
Reach 2	496405	100 - Year	98853	790.11	825.8		827.87	0.003151	13.86

Reach 2	496405	500 - Year	140071	790.11	831.48		833.93	0.003177	15.53
Reach 2	496227	2 - Year	2695	788.64	796.19	796.16	797.36	0.040089	8.68
Reach 2	496227	5 - Year	20942	788.64	807.43		808.37	0.003834	8.55
Reach 2	496227	10 - Year	34723	788.64	812.22		813.32	0.003168	9.54
Reach 2	496227	50 - Year	81278	788.64	822.67		824.43	0.002993	12.55
Reach 2	496227	100 - Year	98853	788.64	825.32		827.3	0.003088	13.52
Reach 2	496227	500 - Year	140071	788.64	830.56		833.31	0.003649	16.29
Reach 2	496041	2 - Year	2695	785.68	795.19		795.5	0.003633	4.45
Reach 2	496041	5 - Year	20942	785.68	807.03		807.78	0.002358	7.51
Reach 2	496041	10 - Year	34723	785.68	811.84		812.81	0.002258	8.78
Reach 2	496041	50 - Year	81278	785.68	822.3		823.92	0.002425	11.95
Reach 2	496041	100 - Year	98853	785.68	824.94		826.77	0.002539	12.91
Reach 2	496041	500 - Year	140071	785.68	830.22		832.65	0.002922	15.25
Reach 2	495754	2 - Year	2695	783.77	794.78		794.92	0.001113	3.07
Reach 2	495754	5 - Year	20936	783.77	806.47		807.14	0.001969	6.9
Reach 2	495754	10 - Year	34589	783.77	811.34		812.18	0.001872	8.02
Reach 2	495754	50 - Year	81322	783.77	821.69		823.23	0.002192	11.35
Reach 2	495754	100 - Year	98953	783.77	824.34		826.04	0.002264	12.18
Reach 2	495754	500 - Year	140151	783.77	829.91		831.75	0.002184	13.23
Reach 2	495446	2 - Year	2695	784.15	794.41		794.55	0.00128	2.98
Reach 2	495446	5 - Year	20936	784.15	805.63		806.49	0.002152	7.67
Reach 2	495446	10 - Year	34589	784.15	810.19		811.48	0.002487	9.63
Reach 2	495446	50 - Year	81322	784.15	820.21		822.4	0.002909	13.37
Reach 2	495446	100 - Year	98953	784.15	822.75		825.18	0.003036	14.37
Reach 2	495446	500 - Year	140151	784.15	827.94		830.85	0.003247	16.32
Reach 2	495130	2 - Year	2695	784	794.28		794.33	0.000357	1.95
Reach 2	495130	5 - Year	20936	784	805.3		805.9	0.001261	6.3
Reach 2	495130	10 - Year	34589	784	809.77		810.76	0.001646	8.26
Reach 2	495130	50 - Year	81322	784	819.44		821.54	0.00242	12.55
Reach 2	495130	100 - Year	98953	784	821.9		824.28	0.002589	13.61
Reach 2	495130	500 - Year	140151	784	826.9		829.87	0.002904	15.72
Reach 2	494854	2 - Year	2695	783.4	794.18		794.24	0.000354	1.93
Reach 2	494854	5 - Year	20936	783.4	804.95		805.54	0.001282	6.33
Reach 2	494854	10 - Year	34589	783.4	809.33		810.3	0.001649	8.22
Reach 2	494854	50 - Year	81322	783.4	818.77		820.86	0.002475	12.59
Reach 2	494854	100 - Year	98953	783.4	821.16		823.56	0.002673	13.7
Reach 2	494854	500 - Year	140151	783.4	826.06		829.05	0.002998	15.82
Reach 2	494591	2 - Year	2695	782.91	794.1		794.15	0.000297	1.77
Reach 2	494591	5 - Year	20936	782.91	804.7		805.21	0.001113	5.83
Reach 2	494591	10 - Year	34589	782.91	809.03		809.85	0.00142	7.55

Reach 2	494591	50 - Year	81322	782.91	818.42		820.16	0.002087	11.46
Reach 2	494591	100 - Year	98953	782.91	820.75		822.8	0.002308	12.61
Reach 2	494591	500 - Year	140151	782.91	825.57		828.21	0.002655	14.74
Reach 2	494365	2 - Year	2695	781.42	794.06		794.09	0.000177	1.48
Reach 2	494365	5 - Year	20936	781.42	804.54		804.96	0.000859	5.31
Reach 2	494365	10 - Year	34589	781.42	808.8		809.53	0.001175	7.06
Reach 2	494365	50 - Year	81322	781.42	818.02		819.69	0.00189	11.09
Reach 2	494365	100 - Year	98953	781.42	820.32		822.28	0.002096	12.2
Reach 2	494365	500 - Year	140151	781.42	825.04		827.61	0.002456	14.34
Reach 2	494111	2 - Year	2695	781.62	794.02		794.05	0.000141	1.4
Reach 2	494111	5 - Year	20936	781.62	804.34		804.75	0.000801	5.24
Reach 2	494111	10 - Year	34589	781.62	808.52		809.24	0.001132	7.04
Reach 2	494111	50 - Year	81322	781.62	817.51		819.16	0.00187	11.1
Reach 2	494111	100 - Year	98953	781.62	819.76		821.75	0.002118	12.33
Reach 2	494111	500 - Year	140151	781.62	824.34		826.98	0.002532	14.59
Reach 2	493855	2 - Year	2695	781.4	793.94		794	0.000338	1.84
Reach 2	493855	5 - Year	20936	781.4	804.03		804.5	0.00114	5.77
Reach 2	493855	10 - Year	34589	781.4	808.14		808.91	0.001461	7.47
Reach 2	493855	50 - Year	81322	781.4	816.91		818.63	0.002273	11.62
Reach 2	493855	100 - Year	98953	781.4	819.09		821.14	0.002553	12.88
Reach 2	493855	500 - Year	140151	781.4	823.67		826.28	0.002891	14.93
Reach 2	493608	2 - Year	2695	782.25	793.81		793.88	0.000645	2.23
Reach 2	493608	5 - Year	20936	782.25	803.63		804.17	0.001555	6.25
Reach 2	493608	10 - Year	34589	782.25	807.64		808.49	0.001895	7.99
Reach 2	493608	50 - Year	81322	782.25	816.19		818.01	0.002746	12.14
Reach 2	493608	100 - Year	98953	782.25	818.36		820.47	0.002977	13.26
Reach 2	493608	500 - Year	140151	782.25	822.95		825.53	0.003226	15.13
Reach 2	493451	2 - Year	2695	782.07	793.72		793.79	0.000544	2.16
Reach 2	493451	5 - Year	20936	782.07	803.32		803.91	0.001623	6.52
Reach 2	493451	10 - Year	34589	782.07	807.28		808.19	0.001957	8.24
Reach 2	493451	50 - Year	81322	782.07	815.61		817.56	0.002929	12.62
Reach 2	493451	100 - Year	98953	782.07	817.61		819.96	0.003313	14.03
Reach 2	493451	500 - Year	140151	782.07	822.08		824.98	0.003632	16.06
Reach 2	493297	2 - Year	2695	780.48	793.66		793.71	0.000393	1.94
Reach 2	493297	5 - Year	20936	780.48	803.1		803.67	0.001473	6.32
Reach 2	493297	10 - Year	34589	780.48	806.96		807.89	0.001916	8.23
Reach 2	493297	50 - Year	81322	780.48	815.08		817.11	0.002957	12.69
Reach 2	493297	100 - Year	98953	780.48	817.13		819.47	0.003227	13.86
Reach 2	493297	500 - Year	140151	780.48	821.2		824.39	0.003902	16.53
Reach 2	493100	2 - Year	2695	781.06	793.61		793.65	0.000251	1.67

Reach 2	493100	5 - Year	20936	781.06	802.94		803.39	0.001086	5.61
Reach 2	493100	10 - Year	34589	781.06	806.75		807.51	0.001486	7.45
Reach 2	493100	50 - Year	81322	781.06	814.71		816.5	0.002521	11.92
Reach 2	493100	100 - Year	98953	781.06	816.78		818.79	0.002695	12.89
Reach 2	493100	500 - Year	140151	781.06	821.1		823.49	0.002908	14.57
Reach 2	492907	2 - Year	2695	780.92	793.53		793.59	0.000412	1.98
Reach 2	492907	5 - Year	20936	780.92	802.6		803.13	0.001487	6.26
Reach 2	492907	10 - Year	34589	780.92	806.27		807.17	0.001978	8.23
Reach 2	492907	50 - Year	81322	780.92	813.91		815.94	0.003203	12.92
Reach 2	492907	100 - Year	98953	780.92	816		818.2	0.003319	13.79
Reach 2	492907	500 - Year	140151	780.92	820.36		822.87	0.003426	15.32
Reach 2	492681	2 - Year	2695	781.32	793.44		793.5	0.000368	1.92
Reach 2	492681	5 - Year	20936	781.32	802.21		802.79	0.00159	6.49
Reach 2	492681	10 - Year	34589	781.32	805.72		806.7	0.002161	8.58
Reach 2	492681	50 - Year	81322	781.32	812.99		815.18	0.003549	13.46
Reach 2	492681	100 - Year	98953	781.32	814.98		817.4	0.003742	14.47
Reach 2	492681	500 - Year	140151	781.32	819.42		822.08	0.00372	15.83
Reach 2	492435	2 - Year	2695	783.2	793.32		793.39	0.000555	2.07
Reach 2	492435	5 - Year	20936	783.2	801.77		802.36	0.001867	6.53
Reach 2	492435	10 - Year	34589	783.2	805.12		806.13	0.002491	8.62
Reach 2	492435	50 - Year	81322	783.2	812.04		814.27	0.003918	13.37
Reach 2	492435	100 - Year	98953	783.2	814.09		816.46	0.003952	14.14
Reach 2	492435	500 - Year	140151	783.2	818.61		821.14	0.003754	15.25
Reach 2	492202	2 - Year	2695	783.3	793.15		793.23	0.000793	2.29
Reach 2	492202	5 - Year	20936	783.3	801.24		801.89	0.00223	6.79
Reach 2	492202	10 - Year	34589	783.3	804.47		805.51	0.00284	8.79
Reach 2	492202	50 - Year	81322	783.3	811.13		813.31	0.004232	13.34
Reach 2	492202	100 - Year	98953	783.3	813.14		815.5	0.004299	14.18
Reach 2	492202	500 - Year	140151	783.3	817.68		820.24	0.004036	15.3
Reach 2	491911	2 - Year	2695	783.23	792.88		792.98	0.000918	2.59
Reach 2	491911	5 - Year	20936	783.23	800.43		801.2	0.002481	7.5
Reach 2	491911	10 - Year	34589	783.23	803.52		804.67	0.002968	9.43
Reach 2	491911	50 - Year	81322	783.23	810.05		812.13	0.003886	13.52
Reach 2	491911	100 - Year	98953	783.23	812.08		814.31	0.003872	14.28
Reach 2	491911	500 - Year	140151	783.23	816.7		819.14	0.003579	15.38
Reach 2	491701	2 - Year	2695	783.62	792.6		792.73	0.001621	3.19
Reach 2	491701	5 - Year	20936	783.62	799.94		800.62	0.002968	7.85
Reach 2	491701	10 - Year	34589	783.62	802.98		803.98	0.003463	9.81
Reach 2	491701	50 - Year	81322	783.62	809.57		811.21	0.003966	13.31
Reach 2	491701	100 - Year	98953	783.62	811.59		813.4	0.003977	14.13
Reach 2	491701	500 - Year	140151	783.62	816.24		818.3	0.003703	15.34

Reach 2	491525	2 - Year	2695	785.33	792.13		792.33	0.003536	4
Reach 2	491525	5 - Year	20936	785.33	799.28		800.05	0.003859	8.33
Reach 2	491525	10 - Year	34589	785.33	802.21		803.32	0.004278	10.25
Reach 2	491525	50 - Year	81322	785.33	808.67		810.45	0.004777	13.95
Reach 2	491525	100 - Year	98953	785.33	810.76		812.66	0.004592	14.59
Reach 2	491525	500 - Year	140151	785.33	815.58		817.63	0.004038	15.56
Reach 2	491307	2 - Year	2695	780.48	791.97		792.05	0.000535	2.14
Reach 2	491307	5 - Year	20936	780.48	798.67		799.38	0.002325	7.16
Reach 2	491307	10 - Year	34589	780.48	801.52		802.54	0.002799	8.95
Reach 2	491307	50 - Year	81322	780.48	807.98		809.56	0.003221	12.04
Reach 2	491307	100 - Year	98953	780.48	810.12		811.79	0.003118	12.58
Reach 2	491307	500 - Year	140151	780.48	815.03		816.85	0.00283	13.53
Reach 2	491029	2 - Year	2695	783.95	791.63		791.75	0.002965	2.78
Reach 2	491029	5 - Year	20936	783.95	797.93		798.56	0.003617	6.51
Reach 2	491029	10 - Year	34589	783.95	800.66		801.6	0.003892	8.03
Reach 2	491029	50 - Year	81322	783.95	807.11		808.55	0.003759	10.53
Reach 2	491029	100 - Year	98953	783.95	809.41		810.82	0.003311	10.69
Reach 2	491029	500 - Year	140151	783.95	814.69		815.96	0.002415	10.63
Reach 2	490719	2 - Year	2695	782.75	788.31	788.16	789.48	0.032178	9.19
Reach 2	490719	5 - Year	20936	782.75	796.4		797.11	0.006287	7.91
Reach 2	490719	10 - Year	34589	782.75	799.4		800.23	0.00496	8.66
Reach 2	490719	50 - Year	81322	782.75	805.9		807.25	0.004637	11.38
Reach 2	490719	100 - Year	98953	782.75	808.28		809.68	0.004177	11.75
Reach 2	490719	500 - Year	140151	782.75	813.68		815.08	0.003431	12.48
Reach 2	490408	2 - Year	2695	775.25	783.9		784.65	0.00898	7.03
Reach 2	490408	5 - Year	20936	775.25	793.21		794.85	0.008531	11.07
Reach 2	490408	10 - Year	34589	775.25	797.21		798.64	0.005355	11.07
Reach 2	490408	50 - Year	81322	775.25	804.72		806.09	0.003462	11.95
Reach 2	490408	100 - Year	98953	775.25	807.23		808.64	0.003146	12.28
Reach 2	490408	500 - Year	140151	775.25	812.81		814.22	0.002584	12.82
Reach 2	490110	2 - Year	2695	772.75	783.32		783.53	0.001635	3.75
Reach 2	490110	5 - Year	20936	772.75	791.17		792.84	0.005159	11.11
Reach 2	490110	10 - Year	34589	772.75	794.62		796.85	0.00561	13.42
Reach 2	490110	50 - Year	81322	772.75	803.53		805	0.003083	13.09
Reach 2	490110	100 - Year	98953	772.75	806.41		807.67	0.002465	12.54
Reach 2	490110	500 - Year	140151	772.75	812.2		813.39	0.00202	12.8
Reach 2	489866	2 - Year	2695	771.58	783.32		783.38	0.000188	2.01
Reach 2	489866	5 - Year	20936	771.58	791.24		792.01	0.001191	7.54
Reach 2	489866	10 - Year	34589	771.58	794.61		795.84	0.001606	9.84
Reach 2	489866	50 - Year	81322	771.58	803.21		804.37	0.001317	11.21

Reach 2	489866	100 - Year	98953	771.58	806.12		807.15	0.001122	11.02
Reach 2	489866	500 - Year	140151	771.58	812.01		812.93	0.000909	11.08
Reach 2	489610	2 - Year	2695	775.56	783.04		783.25	0.001875	3.93
Reach 2	489610	5 - Year	20936	775.56	790.39		791.44	0.003427	9.01
Reach 2	489610	10 - Year	34589	775.56	793.85		795.18	0.003121	10.45
Reach 2	489610	50 - Year	81322	775.56	802.92		803.81	0.001475	10.09
Reach 2	489610	100 - Year	98953	775.56	805.93		806.66	0.001105	9.49
Reach 2	489610	500 - Year	140151	775.56	811.95		812.52	0.000747	8.98
Reach 2	489319	2 - Year	2695	776.08	780.72	780.72	781.65	0.041227	8.34
Reach 2	489319	5 - Year	20936	776.08	789.18	785.86	790.12	0.005456	8.81
Reach 2	489319	10 - Year	34589	776.08	792.93	788.3	794.01	0.004228	9.72
Reach 2	489319	50 - Year	81322	776.08	802.47	793.91	803.25	0.001926	9.44
Reach 2	489319	100 - Year	98953	776.08	805.6	796.64	806.24	0.001411	8.81
Reach 2	489319	500 - Year	140151	776.08	811.72	800.35	812.24	0.000958	8.37
Reach 2	488901	2 - Year	2695	771.93	779.91	775.25	780.02	0.001024	2.77
Reach 2	488901	5 - Year	20936	771.93	788.26	782.29	788.79	0.001913	6.55
Reach 2	488901	10 - Year	34589	771.93	792.18	784	792.84	0.001821	7.6
Reach 2	488901	50 - Year	81322	771.93	801.8	790.19	802.65	0.001518	9.34
Reach 2	488901	100 - Year	98953	771.93	804.96	791.87	805.75	0.001282	9.25
Reach 2	488901	500 - Year	140151	771.93	810.71	795.97	811.72	0.00141	10.91
Reach 2	488514	2 - Year	2695	763.72	779.84	768.76	779.88	0.000125	1.56
Reach 2	488514	5 - Year	20936	763.72	787.62	776.73	788.22	0.00114	6.57
Reach 2	488514	10 - Year	34589	763.72	791.28	780.36	792.17	0.001457	8.33
Reach 2	488514	50 - Year	81322	763.72	800.61	790	801.94	0.001645	11.07
Reach 2	488514	100 - Year	98953	763.72	803.37	792.2	804.97	0.001816	12.28
Reach 2	488514	500 - Year	140151	763.72	808.79	796.09	810.82	0.002023	14.26
Reach 2	488340	2 - Year	2695	762.65	779.83	766.98	779.85	0.000058	1.1
Reach 2	488340	5 - Year	20936	762.65	787.58	774.25	787.96	0.000646	5.05
Reach 2	488340	10 - Year	34589	762.65	791.19	777.28	791.86	0.000947	6.82
Reach 2	488340	50 - Year	81322	762.65	800.25	785.38	801.66	0.001423	10.36
Reach 2	488340	100 - Year	98953	762.65	802.99	787.88	804.66	0.001549	11.4
Reach 2	488340	500 - Year	140151	762.65	808.46	793.09	810.5	0.001691	13.11
Reach 2	488168	2 - Year	2695	767.67	779.79	771.55	779.83	0.000197	1.63
Reach 2	488168	5 - Year	20936	767.67	787.14	778.32	787.74	0.001388	6.45
Reach 2	488168	10 - Year	34589	767.67	790.54	781.44	791.54	0.001859	8.46
Reach 2	488168	50 - Year	81322	767.67	799.36	788.96	801.22	0.002327	12.12
Reach 2	488168	100 - Year	98953	767.67	802	791.23	804.18	0.002487	13.29
Reach 2	488168	500 - Year	140151	767.67	808.17	795.94	810.15	0.00205	13.61
Reach 2	487922	2 - Year	2698	773.66	779.21	778.39	779.58	0.011301	4.89
Reach 2	487922	5 - Year	20962	773.66	786.1	782.99	787.03	0.005725	8.35

Reach 2	487922	10 - Year	34589	773.66	789.67	785.12	790.8	0.004734	9.4
Reach 2	487922	50 - Year	81452	773.66	799.27	790.58	800.17	0.00221	9.29
Reach 2	487922	100 - Year	99125	773.66	802.04	792.35	802.99	0.00205	9.67
Reach 2	487922	500 - Year	140342	773.66	808.32	795.7	809.13	0.001419	9.32
Reach 2	487555	2 - Year	2698	770.39	776.41	774.43	776.72	0.005629	4.46
Reach 2	487555	5 - Year	20962	770.39	783.96		785.02	0.005256	9.01
Reach 2	487555	10 - Year	34589	770.39	787.93		789.16	0.004327	10
Reach 2	487555	50 - Year	81452	770.39	797.35		798.98	0.003481	12.36
Reach 2	487555	100 - Year	99125	770.39	800.14		801.85	0.003294	12.91
Reach 2	487555	500 - Year	140342	770.39	806.02		808.04	0.003244	14.58
Reach 2	487237	2 - Year	2698	767.24	771.28	771.28	772.66	0.037798	9.44
Reach 2	487237	5 - Year	20962	767.24	781.66		783.12	0.006469	10.39
Reach 2	487237	10 - Year	34589	767.24	786.21		787.71	0.004715	10.99
Reach 2	487237	50 - Year	81452	767.24	795.88		797.81	0.00375	13.31
Reach 2	487237	100 - Year	99125	767.24	798.79		800.76	0.003486	13.77
Reach 2	487237	500 - Year	140342	767.24	805.06		807.05	0.003105	14.8
Reach 2	486887	2 - Year	2698	758	770.24		770.3	0.00036	2.06
Reach 2	486887	5 - Year	20962	758	781.41		782.01	0.001266	6.53
Reach 2	486887	10 - Year	34589	758	785.72		786.65	0.001605	8.34
Reach 2	486887	50 - Year	81452	758	794.88		796.77	0.002432	12.66
Reach 2	486887	100 - Year	99125	758	797.9		799.77	0.002298	13.02
Reach 2	486887	500 - Year	140342	758	804.54		806.14	0.001836	12.99
Reach 2	486550	2 - Year	2698	749.62	770.25		770.26	0.000032	1.02
Reach 2	486550	5 - Year	20962	749.62	781.4		781.73	0.000351	4.68
Reach 2	486550	10 - Year	34589	749.62	785.62		786.25	0.000583	6.6
Reach 2	486550	50 - Year	81452	749.62	794.42		796.16	0.001271	11.39
Reach 2	486550	100 - Year	99125	749.62	797.04		799.14	0.001455	12.68
Reach 2	486550	500 - Year	140342	749.62	802.81		805.46	0.001672	14.74
Reach 2	486200	2 - Year	2698	760	770.06		770.22	0.001225	3.22
Reach 2	486200	5 - Year	20962	760	780.24		781.37	0.003033	9.1
Reach 2	486200	10 - Year	34589	760	784.04		785.73	0.003713	11.48
Reach 2	486200	50 - Year	81452	760	792.97		795.37	0.003956	14.97
Reach 2	486200	100 - Year	99125	760	795.91		798.35	0.00371	15.43
Reach 2	486200	500 - Year	140342	760	801.98		804.64	0.003498	16.76
Reach 2	485925	2 - Year	2698	758.07	769.91		770.01	0.00045	2.49
Reach 2	485925	5 - Year	20962	758.07	779.77		780.67	0.001827	8.16
Reach 2	485925	10 - Year	34589	758.07	783.44		784.83	0.002389	10.5
Reach 2	485925	50 - Year	81452	758.07	792.16		794.39	0.002918	14.41
Reach 2	485925	100 - Year	99125	758.07	795.17		797.42	0.002769	14.91
Reach 2	485925	500 - Year	140342	758.07	801.55		803.71	0.002358	15.41

Reach 2	485647	2 - Year	2698	757.85	769.83		769.89	0.000325	2.13
Reach 2	485647	5 - Year	20962	757.85	779.46		780.16	0.001479	7.32
Reach 2	485647	10 - Year	34589	757.85	783.12		784.16	0.001859	9.24
Reach 2	485647	50 - Year	81452	757.85	791.77		793.55	0.002398	13.03
Reach 2	485647	100 - Year	99125	757.85	794.77		796.62	0.002309	13.6
Reach 2	485647	500 - Year	140342	757.85	801.2		803.04	0.002015	14.25
Reach 2	485323	2 - Year	2698	757.09	769.68		769.76	0.000522	2.3
Reach 2	485323	5 - Year	20962	757.09	778.96		779.65	0.001667	7.05
Reach 2	485323	10 - Year	34589	757.09	782.48		783.52	0.002076	8.93
Reach 2	485323	50 - Year	81452	757.09	790.99		792.76	0.002507	12.41
Reach 2	485323	100 - Year	99125	757.09	794.01		795.87	0.002404	12.98
Reach 2	485323	500 - Year	140342	757.09	800.38		802.35	0.002183	13.98
Reach 2	484952	2 - Year	2698	758.6	769.31		769.46	0.001295	3.16
Reach 2	484952	5 - Year	20962	758.6	778.48		778.99	0.001698	6.69
Reach 2	484952	10 - Year	34589	758.6	782.07		782.72	0.001766	7.85
Reach 2	484952	50 - Year	81452	758.6	790.68		791.77	0.001985	10.7
Reach 2	484952	100 - Year	99125	758.6	793.68		794.91	0.001989	11.48
Reach 2	484952	500 - Year	140342	758.6	800.11		801.46	0.001817	12.46
Reach 2	484649	2 - Year	2698	761.83	768.47		768.78	0.004556	4.44
Reach 2	484649	5 - Year	20962	761.83	777.73		778.37	0.002392	7.29
Reach 2	484649	10 - Year	34589	761.83	781.19		782.07	0.002514	8.74
Reach 2	484649	50 - Year	81452	761.83	789.64		791.06	0.002598	11.69
Reach 2	484649	100 - Year	99125	761.83	792.73		794.22	0.002408	12.16
Reach 2	484649	500 - Year	140342	761.83	799.24		800.85	0.002098	13.05
Reach 2	484358	2 - Year	2698	755.26	768.18		768.31	0.000689	2.92
Reach 2	484358	5 - Year	20962	755.26	776.92		777.71	0.002243	8.28
Reach 2	484358	10 - Year	34589	755.26	780.25		781.33	0.002655	10.1
Reach 2	484358	50 - Year	81452	755.26	788.67		790.28	0.002917	13.25
Reach 2	484358	100 - Year	99125	755.26	791.86		793.51	0.002701	13.65
Reach 2	484358	500 - Year	140342	755.26	798.34		800.19	0.002578	15.04
Reach 2	484072	2 - Year	2698	761.9	767.7		767.93	0.003286	3.85
Reach 2	484072	5 - Year	20962	761.9	776.09		776.95	0.003121	7.98
Reach 2	484072	10 - Year	34589	761.9	779.22		780.45	0.00346	9.78
Reach 2	484072	50 - Year	81452	761.9	787.22		789.31	0.003677	13.34
Reach 2	484072	100 - Year	99125	761.9	790.51		792.62	0.003239	13.67
Reach 2	484072	500 - Year	140342	761.9	797.57		799.48	0.002353	13.63
Reach 2	483779	2 - Year	2698	760	766.3		766.66	0.005853	4.81
Reach 2	483779	5 - Year	20962	760	775.33		776.06	0.002852	7.79
Reach 2	483779	10 - Year	34589	760	778.41		779.46	0.003171	9.5
Reach 2	483779	50 - Year	81452	760	786.5		788.22	0.003288	12.77
Reach 2	483779	100 - Year	99125	760	789.93		791.66	0.002851	13.01

Reach 2	483779	500 - Year	140342	760	797.07		798.78	0.00223	13.44
Reach 2	483392	2 - Year	2698	753.6	764.58		764.91	0.003547	4.64
Reach 2	483392	5 - Year	20962	753.6	774.29		774.92	0.002924	7
Reach 2	483392	10 - Year	34589	753.6	777.3		778.18	0.003226	8.52
Reach 2	483392	50 - Year	81452	753.6	785.61		786.91	0.002921	10.85
Reach 2	483392	100 - Year	99125	753.6	789.27		790.51	0.002384	10.8
Reach 2	483392	500 - Year	140342	753.6	796.59		797.87	0.001886	11.26
Reach 2	483114	2 - Year	2698	754.68	762.79		763.41	0.008785	6.32
Reach 2	483114	5 - Year	20962	754.68	772.43		773.71	0.006224	9.8
Reach 2	483114	10 - Year	34589	754.68	775.36		776.91	0.006112	11.3
Reach 2	483114	50 - Year	81452	754.68	784.41		785.97	0.00371	12.19
Reach 2	483114	100 - Year	99125	754.68	788.42		789.79	0.002732	11.62
Reach 2	483114	500 - Year	140342	754.68	795.96		797.31	0.002096	11.96
Reach 2	482794	2 - Year	2698	750.13	762.23		762.42	0.001286	3.51
Reach 2	482794	5 - Year	20962	750.13	769.45	765.84	771.56	0.006808	11.93
Reach 2	482794	10 - Year	34589	750.13	772.69		774.91	0.006214	13.21
Reach 2	482794	50 - Year	81452	750.13	783.42		784.98	0.002836	12.5
Reach 2	482794	100 - Year	99125	750.13	787.7		789.06	0.002135	11.97
Reach 2	482794	500 - Year	140342	750.13	795.5		796.73	0.001571	11.91
Reach 2	482386	2 - Year	2698	748.4	762.16	753.86	762.21	0.000197	1.72
Reach 2	482386	5 - Year	20962	748.4	769.04	760.7	769.88	0.001844	7.51
Reach 2	482386	10 - Year	34589	748.4	772.36	763.9	773.24	0.001832	8.45
Reach 2	482386	50 - Year	81452	748.4	783.13	772.74	784.01	0.001273	9.4
Reach 2	482386	100 - Year	99125	748.4	787.51	774.13	788.29	0.001013	9.16
Reach 2	482386	500 - Year	140342	748.4	795.31	776.91	796.12	0.000886	9.8
Reach 2	482020	2 - Year	2698	749.75	761.87	757.27	762.02	0.002544	3.4
Reach 2	482020	5 - Year	20962	749.75	768.08	764.37	768.85	0.005216	8.23
Reach 2	482020	10 - Year	34589	749.75	772.18	766.41	772.48	0.001725	5.81
Reach 2	482020	50 - Year	81452	749.75	783.18	771.01	783.5	0.000916	6.05
Reach 2	482020	100 - Year	99125	749.75	787.55	771.01	787.86	0.000805	6.28
Reach 2	482020	500 - Year	140342	749.75	795.44	772.48	795.72	0.000639	6.51
Reach 2	481619	2 - Year	2698	750.22	759.97	757.92	760.38	0.008396	5.1
Reach 2	481619	5 - Year	20962	750.22	767.85	763.33	767.99	0.001244	3.9
Reach 2	481619	10 - Year	34589	750.22	771.98	764.54	772.12	0.000774	3.81
Reach 2	481619	50 - Year	81452	750.22	783.1	767.03	783.28	0.000503	4.45
Reach 2	481619	100 - Year	99125	750.22	787.48	767.77	787.66	0.000467	4.76
Reach 2	481619	500 - Year	140342	750.22	795.4	769.43	795.56	0.00035	4.81
Reach 2	481290	2 - Year	2698	748.62	758.79		759.01	0.002267	3.81
Reach 2	481290	5 - Year	20962	748.62	767.7		767.81	0.000912	3.54
Reach 2	481290	10 - Year	34589	748.62	771.91		772.02	0.000605	3.52

Reach 2	481290	50 - Year	81452	748.62	783.06		783.21	0.000429	4.2
Reach 2	481290	100 - Year	99125	748.62	787.44		787.59	0.000416	4.57
Reach 2	481290	500 - Year	140342	748.62	795.37		795.51	0.000319	4.64
Reach 2	481070	2 - Year	2698	748.22	757.56		758.07	0.00814	5.73
Reach 2	481070	5 - Year	20962	748.22	767.52		767.63	0.000872	3.61
Reach 2	481070	10 - Year	34589	748.22	771.77		771.89	0.000631	3.73
Reach 2	481070	50 - Year	81452	748.22	782.93		783.11	0.000497	4.64
Reach 2	481070	100 - Year	99125	748.22	787.3		787.49	0.000525	5.26
Reach 2	481070	500 - Year	140342	748.22	795.29		795.44	0.000351	4.97
Reach 2	480785	2 - Year	2698	745.08	756.76	752.21	756.9	0.001888	3.05
Reach 2	480785	5 - Year	20962	745.08	767.26	759.85	767.4	0.000756	3.94
Reach 2	480785	10 - Year	34589	745.08	771.58	761.81	771.72	0.000583	4.06
Reach 2	480785	50 - Year	81452	745.08	782.79	766.22	782.98	0.000442	4.74
Reach 2	480785	100 - Year	99125	745.08	787.18	767.11	787.37	0.000411	4.99
Reach 2	480785	500 - Year	140342	745.08	795.17	768.93	795.35	0.000341	5.2
Reach 2	480576	2 - Year	2698	744.99	756.44	751.35	756.57	0.001358	2.9
Reach 2	480576	5 - Year	20962	744.99	766.77	759.21	767.17	0.001292	5.09
Reach 2	480576	10 - Year	34589	744.99	770.93	761.54	771.5	0.001267	6.14
Reach 2	480576	50 - Year	81452	744.99	781.93	767.01	782.78	0.001032	7.82
Reach 2	480576	100 - Year	99125	744.99	786.48	768.75	787.2	0.000762	7.45
Reach 2	480576	500 - Year	140342	744.99	794.8	772.29	795.24	0.000427	6.51
Reach 2	480508	2 - Year	2698	747.03	756.41	751.58	756.48	0.00077	2.19
Reach 2	480508	5 - Year	20962	747.03	766.71	757.51	767.09	0.001042	4.98
Reach 2	480508	10 - Year	34589	747.03	770.83	760.15	771.42	0.001154	6.23
Reach 2	480508	50 - Year	81452	747.03	781.46	766.22	782.66	0.001302	9.01
Reach 2	480508	100 - Year	99125	747.03	785.83	768.04	787.08	0.001146	9.29
Reach 2	480508	500 - Year	140342	747.03	794.46	771.72	795.18	0.000617	7.96
Reach 2	480480		Bridge						
Reach 2	480451	2 - Year	2698	747.03	756.27		756.35	0.000839	2.25
Reach 2	480451	5 - Year	20962	747.03	766.38		766.78	0.001132	5.11
Reach 2	480451	10 - Year	34589	747.03	770.39		771.01	0.001256	6.39
Reach 2	480451	50 - Year	81452	747.03	780.48		781.75	0.001449	9.29
Reach 2	480451	100 - Year	99125	747.03	784.03		785.3	0.001294	9.51
Reach 2	480451	500 - Year	140342	747.03	790.17		791.05	0.000872	8.8
Reach 2	480413	2 - Year	2698	747.57	756.12		756.28	0.00182	3.23
Reach 2	480413	5 - Year	20962	747.57	766.06		766.66	0.001875	6.3
Reach 2	480413	10 - Year	34589	747.57	770.01		770.88	0.001926	7.66
Reach 2	480413	50 - Year	81452	747.57	780.12		781.62	0.001879	10.4
Reach 2	480413	100 - Year	99125	747.57	783.63		785.1	0.001643	10.56
Reach 2	480413	500 - Year	140342	747.57	789.94		790.97	0.001091	9.77

Reach 2	480278	2 - Year	2698	748.29	755.69		755.96	0.002955	4.19
Reach 2	480278	5 - Year	20962	748.29	765.54		766.36	0.002262	7.56
Reach 2	480278	10 - Year	34589	748.29	769.48		770.58	0.002188	8.93
Reach 2	480278	50 - Year	81452	748.29	779.36		781.3	0.002207	12.28
Reach 2	480278	100 - Year	99125	748.29	782.77		784.8	0.002028	12.77
Reach 2	480278	500 - Year	140342	748.29	789.38		790.77	0.001303	11.7
Reach 2	480092	2 - Year	2697	746.38	755.27		755.47	0.002158	3.63
Reach 2	480092	5 - Year	20959	746.38	765.33		765.95	0.001584	6.57
Reach 2	480092	10 - Year	34504	746.38	769.29		770.16	0.001629	7.94
Reach 2	480092	50 - Year	81492	746.38	779.18		780.85	0.001786	11.27
Reach 2	480092	100 - Year	99183	746.38	782.45		784.43	0.00183	12.31
Reach 2	480092	500 - Year	140401	746.38	789.11		790.54	0.001222	11.48
Reach 2	479907	2 - Year	2697	743.09	754.84		755.1	0.001869	4.05
Reach 2	479907	5 - Year	20959	743.09	764.3		765.51	0.00295	9.49
Reach 2	479907	10 - Year	34504	743.09	768.09		769.69	0.00308	11.32
Reach 2	479907	50 - Year	81492	743.09	777.94		780.37	0.002955	14.77
Reach 2	479907	100 - Year	99183	743.09	780.99		783.91	0.003128	16.27
Reach 2	479907	500 - Year	140401	743.09	786.99		790.06	0.002919	17.67
Reach 2	479687	2 - Year	2697	743.8	754.48		754.7	0.001638	3.78
Reach 2	479687	5 - Year	20959	743.8	763.74		764.84	0.002731	8.9
Reach 2	479687	10 - Year	34504	743.8	767.45		768.99	0.002962	10.85
Reach 2	479687	50 - Year	81492	743.8	777.64		779.63	0.002435	13.33
Reach 2	479687	100 - Year	99183	743.8	780.99		783.04	0.002262	13.86
Reach 2	479687	500 - Year	140401	743.8	786.66		789.3	0.002444	16.1
Reach 2	479515	2 - Year	2697	742.71	754.41		754.5	0.000619	2.32
Reach 2	479515	5 - Year	20959	742.71	763.83		764.36	0.001243	5.86
Reach 2	479515	10 - Year	34504	742.71	767.6		768.44	0.001427	7.41
Reach 2	479515	50 - Year	81492	742.71	777.59		779.17	0.001549	10.48
Reach 2	479515	100 - Year	99183	742.71	780.92		782.62	0.001467	11.02
Reach 2	479515	500 - Year	140401	742.71	786.77		788.78	0.001452	12.33
Reach 2	479342	2 - Year	2697	746.93	754.07		754.3	0.002349	3.8
Reach 2	479342	5 - Year	20959	746.93	763.27		764.05	0.002288	7.22
Reach 2	479342	10 - Year	34504	746.93	767.07		768.11	0.002173	8.51
Reach 2	479342	50 - Year	81492	746.93	777.15		778.86	0.001929	11.23
Reach 2	479342	100 - Year	99183	746.93	780.34		782.3	0.001917	12.12
Reach 2	479342	500 - Year	140401	746.93	786.23		788.48	0.001812	13.35
Reach 2	479197	2 - Year	2697	743.53	754.09	747.45	754.15	0.000299	2.03
Reach 2	479197	5 - Year	20959	743.53	763.19	754.46	763.77	0.001101	6.46
Reach 2	479197	10 - Year	34504	743.53	766.86	757.21	767.84	0.001471	8.5
Reach 2	479197	50 - Year	81492	743.53	776.22	764.24	778.51	0.002191	13.3

Reach 2	479197	100 - Year	99183	743.53	779.21	766.43	781.93	0.002354	14.68
Reach 2	479197	500 - Year	140401	743.53	785.31	771.31	788.14	0.002166	15.76
Reach 2	479165		Bridge						
Reach 2	479132	2 - Year	2697	743.53	754.06		754.13	0.000303	2.04
Reach 2	479132	5 - Year	20959	743.53	763.05		763.64	0.001135	6.52
Reach 2	479132	10 - Year	34504	743.53	766.65		767.65	0.001526	8.6
Reach 2	479132	50 - Year	81492	743.53	775.01		777.54	0.002517	13.87
Reach 2	479132	100 - Year	99183	743.53	776.1		780.12	0.003704	17.24
Reach 2	479132	500 - Year	140401	743.53	779.26	771.16	785.06	0.004914	21.23
Reach 2	479046	2 - Year	2697	742.85	754.05		754.1	0.000187	1.68
Reach 2	479046	5 - Year	20959	742.85	763.03		763.49	0.000824	5.7
Reach 2	479046	10 - Year	34504	742.85	766.7		767.39	0.001022	7.2
Reach 2	479046	50 - Year	81492	742.85	775.48		776.76	0.001324	10.34
Reach 2	479046	100 - Year	99183	742.85	777.07		778.73	0.001636	11.9
Reach 2	479046	500 - Year	140401	742.85	780.64		783.13	0.002175	14.74
Reach 2	478906	2 - Year	2697	741.66	754.03		754.07	0.000173	1.65
Reach 2	478906	5 - Year	20959	741.66	762.87		763.37	0.000873	5.89
Reach 2	478906	10 - Year	34504	741.66	766.51		767.24	0.001061	7.36
Reach 2	478906	50 - Year	81492	741.66	775.1		776.54	0.001469	10.86
Reach 2	478906	100 - Year	99183	741.66	776.61		778.47	0.001801	12.43
Reach 2	478906	500 - Year	140401	741.66	780.19		782.8	0.002267	14.99
Reach 2	478699	2 - Year	2697	742.75	753.9		754	0.000904	2.91
Reach 2	478699	5 - Year	20959	742.75	762.63		763.11	0.001824	7.11
Reach 2	478699	10 - Year	34504	742.75	766.31		766.93	0.001801	8.13
Reach 2	478699	50 - Year	81492	742.75	774.95		776.09	0.002263	11.65
Reach 2	478699	100 - Year	99183	742.75	776.53		777.89	0.002557	12.85
Reach 2	478699	500 - Year	140401	742.75	780.24		782.04	0.002941	14.91
Reach 2	478501	2 - Year	2697	743.24	752.85	751.41	753.53	0.009271	6.85
Reach 2	478501	5 - Year	20959	743.24	762.12		762.68	0.002623	7.7
Reach 2	478501	10 - Year	34504	743.24	765.82		766.53	0.002371	8.58
Reach 2	478501	50 - Year	81492	743.24	774.43		775.6	0.002741	12.05
Reach 2	478501	100 - Year	99183	743.24	775.97		777.35	0.003025	13.16
Reach 2	478501	500 - Year	140401	743.24	779.67		781.42	0.00338	15.12
Reach 2	478284	2 - Year	2697	739.92	752.45		752.64	0.00177	3.64
Reach 2	478284	5 - Year	20959	739.92	761.82		762.2	0.001599	6.13
Reach 2	478284	10 - Year	34504	739.92	765.51		766.05	0.001753	7.36
Reach 2	478284	50 - Year	81492	739.92	773.97		775.01	0.002503	11.14
Reach 2	478284	100 - Year	99183	739.92	775.46		776.7	0.002828	12.25
Reach 2	478284	500 - Year	140401	739.92	779.15		780.67	0.003126	13.92

Reach 2	477807	2 - Year	2697	740.99	751.83		751.89	0.001292	2.27
Reach 2	477807	5 - Year	20959	740.99	761.48		761.64	0.000755	3.66
Reach 2	477807	10 - Year	34504	740.99	765.14		765.4	0.000883	4.6
Reach 2	477807	50 - Year	81492	740.99	773.41		773.97	0.001511	7.75
Reach 2	477807	100 - Year	99183	740.99	774.82		775.5	0.001753	8.64
Reach 2	477807	500 - Year	140401	740.99	778.54		779.35	0.00184	9.63
Reach 2	477323	2 - Year	2697	739.18	751.24		751.34	0.001029	2.62
Reach 2	477323	5 - Year	20959	739.18	761.12		761.29	0.000762	4.05
Reach 2	477323	10 - Year	34504	739.18	764.72		764.97	0.000945	5.13
Reach 2	477323	50 - Year	81492	739.18	772.84		773.3	0.001265	7.41
Reach 2	477323	100 - Year	99183	739.18	774.18		774.73	0.001427	8.12
Reach 2	477323	500 - Year	140401	739.18	777.94		778.55	0.0014	8.7
Reach 2	476830	2 - Year	2697	744.19	750.64	748.79	750.69	0.001679	2.18
Reach 2	476830	5 - Year	20959	744.19	760.94	751.55	761.01	0.000383	2.57
Reach 2	476830	10 - Year	34504	744.19	764.52	753.02	764.62	0.000458	3.27
Reach 2	476830	50 - Year	81492	744.19	772.64	756.06	772.84	0.000544	4.6
Reach 2	476830	100 - Year	99183	744.19	773.95	756.97	774.2	0.000631	5.12
Reach 2	476830	500 - Year	140401	744.19	777.7	758.93	778.01	0.000667	5.74
Reach 2	476472	2 - Year	2697	742.62	750.31	747.34	750.33	0.000647	1.78
Reach 2	476472	5 - Year	20959	742.62	760.83	750.49	760.89	0.000285	2.43
Reach 2	476472	10 - Year	34504	742.62	764.37	751.7	764.47	0.000383	3.22
Reach 2	476472	50 - Year	81492	742.62	772.48	754.65	772.65	0.000485	4.57
Reach 2	476472	100 - Year	99183	742.62	773.76	755.61	773.98	0.000559	5.06
Reach 2	476472	500 - Year	140401	742.62	777.52	757.6	777.77	0.000579	5.59
Reach 2	476055	2 - Year	2697	742.73	750.13	745.89	750.14	0.000308	1.3
Reach 2	476055	5 - Year	20959	742.73	760.69	749.32	760.75	0.000316	2.75
Reach 2	476055	10 - Year	34504	742.73	764.21	750.55	764.31	0.000356	3.34
Reach 2	476055	50 - Year	81492	742.73	772.22	753.85	772.44	0.000486	4.92
Reach 2	476055	100 - Year	99183	742.73	773.44	754.91	773.72	0.000602	5.64
Reach 2	476055	500 - Year	140401	742.73	777.06	757.18	777.47	0.000739	6.77
Reach 2	475626	2 - Year	2697	742.63	750.02	745.53	750.04	0.000236	1.26
Reach 2	475626	5 - Year	20959	742.63	760.6	749.58	760.65	0.00021	2.33
Reach 2	475626	10 - Year	34504	742.63	764.1	750.78	764.19	0.000267	2.99
Reach 2	475626	50 - Year	81492	742.63	772.04	753.89	772.26	0.000414	4.65
Reach 2	475626	100 - Year	99183	742.63	773.2	754.82	773.5	0.000525	5.37
Reach 2	475626	500 - Year	140401	742.63	776.74	757.12	777.19	0.000686	6.63
Reach 2	475239	2 - Year	2697	741.45	749.97	744.75	749.97	0.000106	0.81
Reach 2	475239	5 - Year	20959	741.45	760.54	747.73	760.58	0.000144	1.9
Reach 2	475239	10 - Year	34504	741.45	764.03	748.91	764.1	0.000197	2.53
Reach 2	475239	50 - Year	81492	741.45	771.95	751.98	772.11	0.00031	3.97
Reach 2	475239	100 - Year	99183	741.45	773.09	752.89	773.3	0.000397	4.62

Reach 2	475239	500 - Year	140401	741.45	776.6	754.86	776.92	0.000533	5.77
Reach 2	474831	2 - Year	2697	740	749.91	743.56	749.92	0.00015	1.19
Reach 2	474831	5 - Year	20959	740	760.43	747.97	760.5	0.000226	2.71
Reach 2	474831	10 - Year	34504	740	763.86	750.09	763.99	0.000303	3.55
Reach 2	474831	50 - Year	81492	740	771.67	753.89	771.94	0.00045	5.35
Reach 2	474831	100 - Year	99183	740	772.73	755.23	773.09	0.000576	6.19
Reach 2	474831	500 - Year	140401	740	776.08	757.9	776.63	0.000776	7.72
Reach 2	474494	2 - Year	2697	739	749.84	743.26	749.87	0.000121	1.4
Reach 2	474494	5 - Year	20959	739	760.23	748.47	760.4	0.000268	3.7
Reach 2	474494	10 - Year	34504	739	763.59	750.77	763.86	0.000352	4.75
Reach 2	474494	50 - Year	81492	739	771.27	756.82	771.75	0.000491	6.89
Reach 2	474494	100 - Year	99183	739	772.2	758.29	772.84	0.000642	8.04
Reach 2	474494	500 - Year	140401	739	775.29	762	776.29	0.000894	10.14
Reach 2	474430	2 - Year	2697	735.63	749.85	739.38	749.86	0.00004	0.99
Reach 2	474430	5 - Year	20959	735.63	760.22	745.24	760.39	0.0002	3.48
Reach 2	474430	10 - Year	34504	735.63	763.51	747.61	763.83	0.000312	4.81
Reach 2	474430	50 - Year	81492	735.63	770.49	754.35	771.65	0.0008	9.11
Reach 2	474430	100 - Year	99183	735.63	771.05	756.21	772.69	0.001111	10.86
Reach 2	474430	500 - Year	140401	735.63	773.57	759.92	776.06	0.001592	13.68
Reach 2	474405		Bridge						
Reach 2	474378	2 - Year	2697	735.63	749.84	739.4	749.85	0.00004	0.99
Reach 2	474378	5 - Year	20959	735.63	760.17	745.27	760.34	0.000206	3.53
Reach 2	474378	10 - Year	34504	735.63	763.42	747.65	763.76	0.000335	4.96
Reach 2	474378	50 - Year	81492	735.63	769.91	754.39	770.75	0.000659	8.16
Reach 2	474378	100 - Year	99183	735.63	770.11	756.19	771.32	0.000948	9.83
Reach 2	474378	500 - Year	140401	735.63	770.96	758.74	773.13	0.001673	13.3
Reach 2	474344	2 - Year	2706	739.98	749.83	742.35	749.85	0.000079	1.26
Reach 2	474344	5 - Year	21026	739.98	760.11	747.49	760.32	0.000291	4.04
Reach 2	474344	10 - Year	34560	739.98	763.39	749.85	763.75	0.000414	5.34
Reach 2	474344	50 - Year	81806	739.98	769.79	756	770.7	0.000829	8.94
Reach 2	474344	100 - Year	99570	739.98	769.92	757.71	771.25	0.001203	10.8
Reach 2	474344	500 - Year	140827	739.98	770.15	762.13	772.89	0.002438	15.46
Reach 2	474144	2 - Year	2706	738.58	749.83	741.34	749.84	0.000027	0.7
Reach 2	474144	5 - Year	21026	738.58	760.16	744.89	760.25	0.000131	2.5
Reach 2	474144	10 - Year	34560	738.58	763.47	746.67	763.63	0.000205	3.46
Reach 2	474144	50 - Year	81806	738.58	770.09	751.19	770.42	0.000348	5.33
Reach 2	474144	100 - Year	99570	738.58	770.36	752.61	770.85	0.000496	6.41
Reach 2	474144	500 - Year	140827	738.58	771.16	755.5	772	0.000853	8.54
Reach 2	473753	2 - Year	2706	738.59	749.82		749.83	0.000025	0.77

Reach 2	473753	5 - Year	21026	738.59	760.12		760.2	0.00012	2.7
Reach 2	473753	10 - Year	34560	738.59	763.39		763.55	0.000206	3.9
Reach 2	473753	50 - Year	81806	738.59	770.02		770.28	0.000301	5.56
Reach 2	473753	100 - Year	99570	738.59	770.27		770.64	0.000424	6.64
Reach 2	473753	500 - Year	140827	738.59	770.99		771.65	0.000739	8.9
Reach 2	473443	2 - Year	2706	734.21	749.81	740.44	749.82	0.000024	0.78
Reach 2	473443	5 - Year	21026	734.21	760.07	744.43	760.16	0.000193	3.3
Reach 2	473443	10 - Year	34560	734.21	763.33	746.06	763.48	0.000315	4.62
Reach 2	473443	50 - Year	81806	734.21	769.99	750.26	770.17	0.00035	5.65
Reach 2	473443	100 - Year	99570	734.21	770.23	751.56	770.48	0.000494	6.76
Reach 2	473443	500 - Year	140827	734.21	770.91	754.3	771.37	0.000866	9.07
Reach 2	472975	2 - Year	2706	737.67	749.8		749.8	0.000039	0.77
Reach 2	472975	5 - Year	21026	737.67	759.97		760.04	0.000238	3.04
Reach 2	472975	10 - Year	34560	737.67	763.18		763.3	0.000332	3.97
Reach 2	472975	50 - Year	81806	737.67	769.74		769.95	0.000498	5.74
Reach 2	472975	100 - Year	99570	737.67	769.87		770.16	0.000721	6.93
Reach 2	472975	500 - Year	140827	737.67	770.23		770.79	0.001353	9.57
Reach 2	472396	2 - Year	2706	734.88	749.78		749.79	0.000024	0.73
Reach 2	472396	5 - Year	21026	734.88	759.93		759.96	0.00008	2.04
Reach 2	472396	10 - Year	34560	734.88	763.14		763.19	0.000102	2.53
Reach 2	472396	50 - Year	81806	734.88	769.68		769.77	0.000167	3.78
Reach 2	472396	100 - Year	99570	734.88	769.78		769.91	0.000243	4.58
Reach 2	472396	500 - Year	140827	734.88	770.04		770.31	0.000483	6.49
Reach 2	471955	2 - Year	2701	734.12	749.78		749.78	0.000009	0.46
Reach 2	471955	5 - Year	20989	734.12	759.91		759.93	0.000044	1.55
Reach 2	471955	10 - Year	34404	734.12	763.12		763.15	0.000059	1.96
Reach 2	471955	50 - Year	81696	734.12	769.63		769.71	0.000122	3.28
Reach 2	471955	100 - Year	99469	734.12	769.7		769.81	0.000179	3.98
Reach 2	471955	500 - Year	140722	734.12	769.89		770.12	0.000349	5.57
Reach 2	471492	2 - Year	2701	727.19	749.77		749.78	0.000007	0.48
Reach 2	471492	5 - Year	20989	727.19	759.9		759.91	0.000032	1.54
Reach 2	471492	10 - Year	34404	727.19	763.1		763.13	0.000046	2
Reach 2	471492	50 - Year	81696	727.19	769.58		769.66	0.000103	3.46
Reach 2	471492	100 - Year	99469	727.19	769.62		769.74	0.000151	4.21
Reach 2	471492	500 - Year	140722	727.19	769.74		769.97	0.000298	5.92
Reach 2	471305	2 - Year	2701	727.34	749.77	733.94	749.78	0.000014	0.71
Reach 2	471305	5 - Year	20989	727.34	759.88	742.91	759.91	0.000044	1.81
Reach 2	471305	10 - Year	34404	727.34	763.08	746.83	763.12	0.000062	2.34
Reach 2	471305	50 - Year	81696	727.34	769.56	751.11	769.64	0.000112	3.62
Reach 2	471305	100 - Year	99469	727.34	769.59	751.99	769.71	0.000166	4.39
Reach 2	471305	500 - Year	140722	727.34	769.68	755.19	769.92	0.000327	6.19

Reach 2	471274		Culvert						

Flow Area	Top Width	Froude # Chl
(sq ft)	(ft)	
321.24	149.54	0.64
1985.99	1146.97	0.52
5781.3	1703.77	0.45
13949.52	2381.36	0.32
16742.84	2472.8	0.33
24573.05	3258.49	0.35
1335.86	284.71	0.14
5264.44	912.47	0.22
8986.9	1445.3	0.23
17407.09	2011.36	0.22
19730.63	2505.21	0.22
23939.01	3302.95	0.27
433.78	128.18	0.45
2769.37	440.6	0.43
5937.28	884.69	0.4
12651.39	1771.18	0.39
15684.77	1794.58	0.35
20004.61	1833.15	0.39
610.75	180.97	0.28
3017.41	401.83	0.36
5547.95	719.69	0.37
10667.26	1394.88	0.37
12494.19	1967.87	0.45
17686.51	2026.64	0.45
719.02	236.12	0.29
3104.4	321.41	0.29
4881.74	546.6	0.33
10876.26	1629.22	0.34
12748.46	2233.13	0.37
18517.92	2339.34	0.39
269.23	71.88	0.71
1530.78	526.89	0.65
7510.53	871.94	0.29
14116.21	1965.8	0.34
16401.27	2596.12	0.37
23536.76	2756.71	0.36
467.46	229.26	0.44

1728.3	468.67	0.49
7831.23	773.1	0.25
13359.16	2027.54	0.33
15787.59	2620.77	0.35
22389.19	3377.91	0.39
460.96	184.88	0.44
1697.81	443.21	0.51
6362.2	599.15	0.31
13193.62	1985.92	0.34
15615.61	2658.82	0.36
22592.92	3379.63	0.4
482.16	172.56	0.41
2308.31	439.73	0.41
6234.14	587.83	0.32
13080.88	2027.34	0.36
15161.29	2714.66	0.39
22880.31	3287.06	0.4
549.17	237.2	0.31
3672.82	420.25	0.31
5962.96	543.71	0.33
11299.28	2053.8	0.46
14457.17	2426.56	0.43
23491.54	3283.05	0.42
820.35	162.36	0.2
2615.13	280.3	0.33
4088.34	337.6	0.38
7109.44	1477.88	0.49
9048.62	1766.26	0.49
16571.74	2886.48	0.5
560.88	145.52	0.33
3234.21	405.61	0.34
5324.91	472.84	0.35
9556.03	1252.9	0.39
11344.41	2552.54	0.42
19694.54	3114.19	0.42
749.94	162.04	0.23
3008.37	403.58	0.33
4995.08	445.52	0.35
9658.15	2327.6	0.39

12067.8	2778.36	0.4
21547.88	3341.12	0.39
1100.18	203.38	0.14
3045.97	351.91	0.29
4570.96	549.14	0.35
8504.93	2648.45	0.44
10514.75	3000.9	0.46
22074.56	3612.57	0.4
784.07	243.35	0.26
2825.42	399.97	0.39
4270.2	923.78	0.47
10045.97	2532.91	0.55
14611.28	2733.75	0.48
26490.34	2846.05	0.37
705.63	305.24	0.42
4209.29	730.55	0.4
8618.92	1366.46	0.37
18561.33	2477.34	0.34
22163.16	2529.63	0.32
32724.54	2869.34	0.29
597.43	197.04	0.43
3624.4	671.21	0.43
8431.18	1213.69	0.36
19490.14	2383.72	0.3
23061.76	2408.41	0.28
32765.84	2470.05	0.26
679.53	243.11	0.37
4185.89	645.93	0.3
8337.72	1241.13	0.3
18571.03	2115.21	0.27
21788.86	2137.1	0.25
30423.6	2181.72	0.24
714.59	195.44	0.31
4108.62	595.29	0.31
7776.77	1080.43	0.3
16970.52	1931.61	0.29
20032.73	1950.16	0.27
28016.36	2003.85	0.25
713.15	189.69	0.26
3370.05	386.1	0.32

6320.01	835.38	0.36
14625.97	1687.09	0.31
17461.71	1835.22	0.3
25302.78	1939.26	0.28
486.46	167.77	0.43
2934.73	418.69	0.42
6688.17	1013.58	0.39
13916.84	1355.28	0.32
16187.69	1432.17	0.31
22396.35	1680.32	0.32
354.23	128.53	0.67
3148.72	436.55	0.37
6216.45	771.86	0.36
11450.33	1018.78	0.35
13144.53	1086.06	0.35
18060.37	1480.16	0.39
1101.32	208.18	0.15
4010.37	438.39	0.24
6842.46	749.54	0.28
11527.71	868.17	0.3
12921.42	915.74	0.31
17700.39	1539.38	0.37
892.78	127.38	0.16
3003.29	364.11	0.33
5166.22	618.03	0.4
9334.5	794.23	0.4
10484.74	1015.06	0.42
15708.64	1513.54	0.44
671.16	148.54	0.26
2930.82	395.53	0.37
5065.1	606.81	0.42
11863.45	1616.4	0.39
14720.32	1722.57	0.36
21587.54	1857.56	0.34
615.41	168.85	0.31
3192.13	403.24	0.36
5697.3	735.35	0.4
12137.4	1246.29	0.35
14419.27	1717.76	0.37
22150.38	2140.48	0.35

990.81	211.43	0.18
4505.36	546.78	0.24
7120.11	702.18	0.28
12879.27	1128.64	0.29
15010.11	1678.29	0.31
22233.27	2022.02	0.32
558.07	230.92	0.45
3646.96	646.21	0.32
7135.81	966.17	0.31
15530.95	1628.56	0.26
18150.76	1733.05	0.26
25369.31	2057.34	0.27
489.13	224.97	0.54
4922.51	941.8	0.28
10635.8	1225.92	0.22
20575.22	1791.74	0.2
23586.85	1911.41	0.19
31482.99	2192.66	0.21
251.42	103.71	1
3132.46	406.88	0.39
5687.82	605.41	0.38
10831.47	1040.65	0.37
12525.65	1487.65	0.39
19308.25	2030.89	0.43
546.35	81.23	0.28
2396.56	326	0.42
4687.24	540.57	0.42
9696.52	1686.17	0.41
11848.64	1871.27	0.38
24291.56	2239.8	0.3
930.59	112.74	0.15
2931.6	544.16	0.3
5052.22	707.46	0.35
9090.12	946.42	0.36
10174.93	1318.95	0.37
20339.99	2092.4	0.31
741.01	133.29	0.22
2993.12	402.72	0.33
5245.19	492.93	0.35

9414.12	791.15	0.36
10577.58	876.34	0.38
16292.89	2219.45	0.42
747.42	123.52	0.22
2732.53	359.12	0.37
4756.06	441.96	0.38
9166.49	960.48	0.39
10416.66	1051.78	0.41
14389.72	1641.58	0.47
1119.12	155.57	0.13
2714.56	255.7	0.32
4001.85	345.43	0.4
7780.42	1239.74	0.46
9855.59	1381.01	0.45
15910.05	1859.63	0.44
588.08	157.35	0.34
4325.19	677.91	0.33
7759.19	863.93	0.32
16590.87	1844.88	0.3
19686.28	2165.39	0.3
28962.92	2283.71	0.28
458.86	101.64	0.41
3830.56	627.35	0.37
7402.81	803.79	0.33
15235.51	1684.65	0.32
18190.04	1870.22	0.32
27113.17	2222.28	0.31
574.51	116.14	0.31
2614.35	413.29	0.43
6153.33	720.85	0.36
12671.73	1460.65	0.34
15349.29	1738.72	0.33
24265.2	2214	0.32
513.88	223.56	0.51
3580.2	366.19	0.27
6074.7	492.16	0.27
11233.95	1306.22	0.31
13680.13	1583.26	0.31
21668.38	1946.39	0.31
844.29	175	0.22

3586.64	326.31	0.25
5733.01	434.65	0.29
9962.12	1247.42	0.34
12305.33	1555.75	0.34
20607.62	1963.99	0.33
600.15	113.08	0.29
3888.1	549.34	0.3
7583.08	711.16	0.27
13541.55	1272.69	0.28
15804.28	1447.05	0.28
24312.8	2032.13	0.29
492.44	80.63	0.33
3574.48	538.65	0.33
7192.38	603.76	0.29
12558.74	1104.89	0.31
14454.03	1240.71	0.32
21333.08	1710.32	0.33
850.97	150.98	0.19
3635.84	355.73	0.27
6412.71	622.34	0.3
11565.38	1088.13	0.35
13231.48	1294.03	0.37
19780.79	1426.48	0.37
881.23	138.01	0.16
3193.74	310.37	0.3
5755.73	648.67	0.35
11028.46	1029.9	0.38
12734.26	1077.76	0.39
18080.43	1208.95	0.4
990.14	152.57	0.15
3408.13	332.03	0.27
6039.96	645.13	0.31
10936.75	1187.93	0.37
12855.87	1401.33	0.39
20569.83	1677.66	0.37
974.45	177.71	0.16
3777.41	355.71	0.26
6510.76	676.15	0.3
11098.49	950.28	0.35
12516.77	1003.18	0.36
17688.68	1227.3	0.39

587.73	120.11	0.31
3734.33	398.22	0.28
6586.65	677.41	0.32
11594.76	1078.5	0.35
13228.92	1155.75	0.36
19304.08	1391.65	0.36
651.99	115.73	0.25
2570.01	470.01	0.4
5769.17	856.41	0.39
12312.05	1246.6	0.35
14246.2	1328.72	0.35
21633.6	1678.56	0.34
948.38	118.82	0.14
2514.51	273.31	0.36
5809.26	713.34	0.36
13459.06	1405.96	0.34
15700.58	1500.97	0.33
24093.24	1807.13	0.31
547.32	253.21	0.3
5015.51	561.87	0.26
8623.52	1152.57	0.32
18379.38	1592.22	0.26
20904.65	1647.21	0.25
30254.95	2034.54	0.25
1004.15	381.31	0.18
5924.64	596.69	0.18
9559.65	701.51	0.19
19341.01	1658.38	0.2
22013.45	1738.61	0.2
31592.33	2014.05	0.2
702.39	109.32	0.22
3160.91	326.48	0.33
5153.77	453.67	0.37
13764.62	1430.67	0.32
16239.26	1493.05	0.31
25118	1880.58	0.29
805.41	188.41	0.23
3045.99	308.07	0.33
4849.76	434.75	0.36
10481.1	1135.93	0.37

12681.67	1158.66	0.35
19826.29	1597.71	0.35
482.6	151.37	0.46
3403.33	364.12	0.32
5344.63	400.81	0.34
12448.32	1263.25	0.33
15176.89	1328.68	0.31
23567.18	1759.92	0.29
532.84	114.1	0.34
4796.53	647.84	0.27
8907.96	895.12	0.25
17568.55	1251.67	0.23
20242.17	1312.03	0.23
28249.45	1547.16	0.24
561.43	116.23	0.32
4020.71	670.93	0.3
8401.15	822.44	0.27
15486.68	1006.69	0.25
17623.69	1057.9	0.25
24122.02	1256.78	0.27
495.94	86.25	0.33
4227.12	600.8	0.3
7962.91	707.59	0.27
14427.71	934.17	0.26
16422.77	989.98	0.26
22529.21	1200.18	0.28
667.64	99.59	0.23
2990.91	507.02	0.34
6686.28	671.88	0.3
13371.08	955.09	0.28
15452.48	997.69	0.28
21632.68	1211.62	0.29
321.04	73.69	0.59
2404	299.14	0.42
5145.91	606.64	0.39
11692.28	895.39	0.33
13690.56	955.54	0.32
19614.64	1167.98	0.32
668.82	96.76	0.23
2492.7	218.08	0.33

4189.99	356.82	0.37
9605.01	775.71	0.35
11376.11	852.49	0.35
19305.41	1654.59	0.35
793.41	110.62	0.19
2873.16	262.61	0.32
4508.11	321.96	0.37
8038.94	585.61	0.42
9231.9	679.25	0.44
13327.38	938.76	0.48
936.88	153.11	0.17
3349.2	285.26	0.27
5095.79	334.96	0.31
8366.13	624.48	0.39
9672.14	783.07	0.41
14361.37	1076.64	0.44
844	212.81	0.24
3753.43	309.66	0.28
5690.69	406.44	0.32
9501.01	630.58	0.37
10701.22	705.7	0.39
14776.38	920.91	0.43
330.44	73.03	0.57
3227.3	374.51	0.36
5641.22	475.21	0.35
10348.51	745.33	0.36
11756.23	814.58	0.37
16191.63	952.82	0.39
559.79	100.1	0.29
3320.12	408.92	0.34
6172.2	561.24	0.33
12009.7	883.26	0.33
13680.68	945.71	0.34
18903.84	1149.67	0.36
711.38	105.61	0.21
2852.92	391.28	0.36
5817.11	586.42	0.36
11900.94	958.33	0.35
13725.31	1013.86	0.35
19236.86	1164.3	0.37

718.22	125.79	0.22
2785.13	342.18	0.36
5743.33	654.76	0.38
12742.67	1041.08	0.35
14729.05	1108.96	0.35
21016.6	1360.03	0.37
481.25	99.61	0.38
2677.67	268.04	0.4
5960.05	739.16	0.4
14345.13	1286.29	0.34
16856.21	1384.75	0.34
24370.61	1538.68	0.33
1309.54	164.86	0.1
4346.98	342.23	0.21
7912.02	774.21	0.25
16439.14	1279.74	0.25
18897.59	1352.15	0.25
26241.34	1518.51	0.27
708.48	176.7	0.28
3262.06	308.12	0.31
5545.02	493.78	0.34
10942.12	862.48	0.35
12526.68	914.64	0.36
17308.75	1146.95	0.4
684.65	122.54	0.23
2740.94	311.4	0.38
4630.31	376.95	0.41
10455.66	899.3	0.39
12068.27	980.79	0.4
17426.29	1222.73	0.42
639.32	150.46	0.29
3562.46	418	0.33
6513.12	600.67	0.33
13334.98	979.38	0.31
15073.71	1052.1	0.32
20510.88	1205.29	0.34
433.84	93.37	0.43
2942.6	368.07	0.4
5854.01	546.19	0.37
12675.51	979.64	0.34
14429.51	1034.99	0.34

19712.66	1214.62	0.36
604.27	119.84	0.29
2658.95	255.79	0.35
4651.81	425.86	0.38
10943.02	943.91	0.35
12633.89	979.12	0.35
17518.83	1104.8	0.37
716.23	125.9	0.23
2838.08	263.83	0.33
4524.07	345.41	0.37
9395.49	912.37	0.4
11023.89	965.07	0.4
15893.54	1123.04	0.42
597.15	113.57	0.29
2915.92	266.6	0.34
4661.98	335.7	0.37
9276.67	849.53	0.41
10681.86	929.57	0.43
15498.58	1166.77	0.45
680.33	166.29	0.29
3465.73	339.53	0.28
5779.13	470.57	0.3
12110.69	944.69	0.3
13663.74	1052.47	0.32
18910.52	1280.92	0.35
957.34	265.58	0.19
5529.52	539.98	0.2
9204.93	753.39	0.21
19348.54	1384.25	0.2
21558.83	1439.43	0.21
28760.59	1716.91	0.23
889.85	120.72	0.16
2616.3	256.15	0.34
4096.45	347.28	0.41
10471.66	1320.1	0.41
12753.71	1414.62	0.41
20462.83	1651.09	0.38
565.19	140.13	0.34
3132.23	338.69	0.35
4954.46	406.08	0.39

12869.59	1964.37	0.38
16987.71	2697.44	0.38
31884.3	2903.52	0.29
879.01	138.16	0.17
3011.57	287.11	0.32
4440.65	343.95	0.39
9574.71	1471.55	0.44
12712.14	2033.46	0.43
27792.02	2526.06	0.3
964.06	174.56	0.18
3469.46	353.88	0.31
5159.58	402.26	0.37
11448.74	1940.73	0.45
16040.24	2023.4	0.38
29704.25	2260.71	0.28
436.11	70.57	0.37
3178.79	551.69	0.45
6034.7	566.61	0.37
11800.02	1124.32	0.31
14380.43	1161.75	0.3
22529.77	1405.11	0.28
482.86	138.22	0.38
3069.81	438.18	0.43
6106.01	575.11	0.37
13006	1204.67	0.31
15820.27	1221.49	0.3
24024.1	1305.57	0.27
760.81	240.37	0.28
3961.99	383.67	0.29
6131.89	418.87	0.3
12002.68	1379.09	0.32
15444.92	1445.13	0.3
25827.47	1590.03	0.26
781.29	202.58	0.26
3428.39	456.57	0.29
6189.2	512.51	0.28
12519.73	1419.07	0.29
16200.62	1471.24	0.27
27131.19	1641.32	0.23
504.96	142.14	0.42

2956.82	398.99	0.36
5556.17	494.89	0.33
12967.47	1309.79	0.29
16492.92	1353.13	0.26
26670.57	1524.2	0.23
448.12	88.48	0.4
2835.09	343.9	0.35
5520.36	482.1	0.33
10665.65	566.12	0.29
12142.28	623.46	0.3
16730.06	741.47	0.31
742.39	122.45	0.22
2693.17	235.5	0.31
4389.64	338.84	0.35
8262.44	459.22	0.35
9429.47	503.95	0.36
13105.38	820.93	0.37
477.87	99.27	0.38
3104.34	316.87	0.33
5227.24	380.51	0.33
9437.26	549.6	0.34
10813.24	578.19	0.34
15992.15	979.94	0.37
1077.06	142.9	0.14
3431.24	262.11	0.24
5126.52	314.46	0.28
8795.52	658.84	0.34
10430.85	688.44	0.35
15586.29	860.62	0.35
713.94	143.42	0.25
2937.55	243.46	0.31
4489.31	312.47	0.36
9112.26	683.37	0.38
10869.15	741.46	0.38
17021.34	1061.99	0.38
673.21	119.27	0.25
3097.03	363.29	0.33
5462.56	463.04	0.34
11208.24	688.68	0.32
12981.21	748.39	0.32
18778.39	910.21	0.32

590.14	101.74	0.28
2280.46	289.41	0.42
4357.63	413.93	0.44
9347.99	571.07	0.39
10803.17	612.05	0.39
15589.51	785.77	0.4
730.39	118.84	0.21
2519.98	222.87	0.37
4039.09	324.04	0.42
7734.12	475.06	0.42
8888.09	535.75	0.44
12815.8	623.94	0.44
883.06	126.29	0.16
2737.34	265.93	0.34
4372.22	319.89	0.39
7790	439.01	0.42
8809.64	460.08	0.43
11937.52	515.01	0.46
830.04	124.07	0.18
2644.66	279.94	0.37
4298.94	325.83	0.41
7801.06	416.66	0.42
8749.29	430.79	0.43
11634.47	522.47	0.47
579.44	145.31	0.35
2977.09	386.88	0.38
5754.73	551.41	0.35
12016.89	693.53	0.29
13617.26	733.7	0.3
18544.39	849.19	0.31
504.55	153.79	0.41
3757.48	580.18	0.35
8091.06	767.34	0.28
16571.81	914.18	0.22
18720.08	990.81	0.23
25503.22	1183.85	0.24
474.84	140.23	0.46
4019.06	572.08	0.3
8585.6	772	0.25
17077.43	900.1	0.21

19196.8	966.74	0.21
25614.24	1086.1	0.23
1957.41	159.62	0.06
4134.34	230.95	0.17
5922.48	366	0.22
10424.7	556.51	0.26
11575.29	617.34	0.28
15596.41	830.03	0.33
670.01	160.59	0.29
2759.23	223.66	0.33
4114.74	266.9	0.38
7327.25	705.49	0.44
8826.57	732.19	0.44
13414.4	848.47	0.45
727.4	177.72	0.25
3297.61	287.95	0.3
5076.71	367.69	0.35
10338.51	697.78	0.35
11827.3	739.83	0.36
16742.75	912.98	0.38
882.67	126.53	0.17
2693.7	333.53	0.36
4680.87	402.15	0.4
8632.25	489.93	0.41
9472.1	522.94	0.44
12121.13	689.9	0.53
928.84	142.07	0.16
2852.27	267.54	0.34
4410.22	333.52	0.4
7795.48	675.74	0.47
9093.35	695.94	0.48
12575.95	743.79	0.52
605.41	227.23	0.4
3307.25	341.6	0.34
5249.1	407.79	0.36
9810.79	623.32	0.37
10994.54	643.84	0.38
14243.05	736.43	0.42
491.64	100.64	0.37
3937.65	441.47	0.3

6466.58	482.33	0.3
10922.96	596.83	0.31
12057.08	620.1	0.33
15130.68	693.4	0.37
490.43	93.78	0.36
2505.79	343.5	0.43
4705.85	446.96	0.41
9406.45	722.61	0.4
10834.16	780.05	0.4
14767.68	862.76	0.42
697.73	109.14	0.23
2690.72	354.2	0.37
5033.09	470.56	0.37
10254.85	772.28	0.37
11769.58	868.72	0.38
16297.47	1013.46	0.4
408.9	136.38	0.54
2929.27	368.6	0.4
5783.06	562.62	0.37
12172.45	949.9	0.34
14032.25	1036.1	0.34
19588.67	1234.71	0.36
774.93	122.99	0.21
2870.64	318.28	0.34
5195.84	499.38	0.36
10953.67	915.03	0.36
12748.1	1005.75	0.36
18006.63	1127.64	0.37
837.28	141.38	0.19
2814.72	263.26	0.33
4454.25	349.54	0.39
8759.31	866.3	0.44
10448.62	929.31	0.44
15131.43	1141.94	0.47
989.95	152.44	0.15
2966.61	241.05	0.3
4371.68	295.75	0.37
7908.95	824.07	0.46
9349.69	887.35	0.47
13323.01	1044.9	0.53

923.63	165.91	0.17
3198.24	286.78	0.31
4849.5	349.25	0.37
8395.58	867.41	0.47
9903.59	937.45	0.48
13998.88	1165.67	0.54
878.56	178.45	0.2
3183.27	311.18	0.31
4948.28	376.4	0.35
9144.48	1053.13	0.42
11019.76	1128.18	0.42
15845.06	1248.04	0.45
572.14	141.57	0.34
3577.46	426.13	0.33
6026.62	508.51	0.34
10925.21	1185.01	0.37
13157	1280.2	0.36
18528.39	1318.99	0.37
281.65	69.4	0.71
2790.19	525.73	0.52
6611.45	669.07	0.37
12870.66	1319.12	0.35
15296.32	1384.92	0.35
21234.81	1494.9	0.36
534.06	109.42	0.34
2688.9	263.48	0.37
6342.38	769.99	0.35
13595.27	1156.43	0.31
15705.15	1260.44	0.32
21048.36	1402.77	0.34
427.92	102.47	0.45
2432.18	268.92	0.4
6294.38	930.82	0.35
15674.08	1363.83	0.28
18133.79	1401.87	0.28
23858.34	1472.17	0.3
602.59	89.19	0.25
2002.39	168.93	0.42
3475.41	510.86	0.47
14226.53	1514.46	0.34
17216.32	1572.75	0.33

23792.51	1633.76	0.34
730.18	112.91	0.21
2499.76	214.42	0.35
3886.88	252.12	0.39
12216.71	1646.71	0.38
15883.38	1697.76	0.36
23138.47	1771.38	0.36
736.01	128.1	0.22
2484.01	199.86	0.34
4132.51	457.34	0.38
12619.65	1748.41	0.36
16627.74	1795.14	0.34
24258.62	1861.08	0.34
574.34	140.83	0.34
2833.37	252.15	0.34
4667.41	435.89	0.35
13589.87	1866.74	0.33
18047.58	1948.98	0.31
26399.13	2003.15	0.31
581.56	179.46	0.38
2927.28	242.5	0.3
4928.73	436.53	0.32
14496.36	1964.17	0.3
19126.96	1999.36	0.28
27628.65	2041.34	0.28
635.94	143.38	0.3
3227.21	293.33	0.3
5784.17	503.09	0.3
16706.13	2041.77	0.28
21552.9	2061.4	0.26
30286.51	2109.46	0.27
643.92	137.41	0.28
2568.11	300.26	0.34
5083.9	500.59	0.35
13296.25	1868.5	0.35
18278.05	1949.79	0.32
26842.65	1983.91	0.32
729.71	122.48	0.22
3223.55	273.96	0.31
5082.23	388.24	0.35

10877.45	1107.72	0.39
14768.78	1848.39	0.4
23798.38	1879.7	0.37
1008.07	164.07	0.16
3399.31	268.47	0.25
5109.04	306.23	0.29
10115.67	1074.31	0.34
13342.04	1771.46	0.33
21179.09	1824.42	0.36
998.13	142.99	0.14
3287.94	270.76	0.28
4968.89	315.41	0.32
8455.02	713.49	0.41
9881.35	930.92	0.44
16374.17	1606.06	0.47
844.42	141.46	0.19
2994.46	284.42	0.31
4774.81	321.19	0.34
8043.86	622.09	0.42
8955.61	906.89	0.48
14387.98	1612.26	0.53
833.68	164.03	0.21
3448.7	322.83	0.29
5515.85	379.93	0.31
9303.19	717.91	0.38
10566.03	1601.08	0.44
16706.13	1648.52	0.46
614.04	141.18	0.3
3249.25	340.53	0.35
5591.34	464.48	0.35
10232.69	1038.13	0.41
11673.06	1676.18	0.47
18345.03	1729.59	0.47
615.67	156.72	0.31
3640.51	367.37	0.32
6267.17	583.5	0.34
12484.44	1257.81	0.33
14595.05	1709.03	0.35
20993.92	1834.49	0.4
609.13	125.54	0.28

3368.34	372.09	0.35
6429.05	641.48	0.35
14159.13	1530.76	0.33
16598.74	1880.19	0.34
23855.8	1996.63	0.36
437.14	92.05	0.42
3083.91	415.21	0.41
6588.26	778.01	0.37
16572.03	1664.79	0.29
19181.78	2004.46	0.31
26797.85	2156.94	0.33
591.04	115.48	0.29
2879.18	358.31	0.39
6474.65	733.64	0.36
17997.03	1953.99	0.29
20959.47	1998.66	0.29
28592.49	2179.82	0.32
542.55	149.91	0.36
3408.88	413.03	0.35
7049.34	720.67	0.32
19671.76	2046.68	0.27
22781.19	2089.3	0.27
30791.4	2294.12	0.29
837.55	174.34	0.21
3641.8	410.13	0.28
7755.69	837.42	0.27
22563.71	2247.26	0.23
26010.68	2357.35	0.23
34962.24	2560.08	0.25
709.4	110.95	0.21
2065.93	186.31	0.44
3598.54	359.68	0.49
9866.11	1684.53	0.51
15830.71	1823.3	0.4
23188.03	1966.64	0.4
1069.68	180.75	0.15
2921.67	229.78	0.31
4287.66	254.24	0.35
7705.45	1403.54	0.43
12313.63	1705.89	0.4
17595.64	1795.14	0.45

1071.71	158.76	0.14
2660.8	217.23	0.33
3915.3	249.68	0.39
6897.52	1101.87	0.48
9512.37	1769.84	0.5
16558.09	1889.45	0.51
1222.71	171.37	0.12
2878.64	229.25	0.3
4187.25	261.9	0.36
6653.8	1285.96	0.47
9656.51	1771.58	0.48
16590.56	1877.07	0.49
1282.15	180.71	0.11
2992.52	242.1	0.3
4361.06	276.15	0.35
7316.82	654.25	0.43
10049.97	1772.82	0.47
17007.68	1931.7	0.48
1324.05	190.83	0.11
3015.46	240.48	0.29
4372.24	331.94	0.34
7973.23	810.49	0.41
10522.1	1977.98	0.44
19328.49	2528.63	0.44
1268.58	210.42	0.12
3058.42	276.94	0.31
4656.61	352.09	0.35
9925.59	1500.69	0.4
13003.68	2739.95	0.44
25335.86	3110.29	0.39
1576.85	220.62	0.1
3319.31	284.9	0.3
4906.83	668.01	0.36
19001.94	2696.47	0.3
24470.81	3390.21	0.28
39300.05	3856.26	0.26
625.34	388.33	0.55
3493.11	507.44	0.45
6442.04	885.63	0.4
21707.79	2623.42	0.29

26903.46	3468.16	0.3
42188.05	3768.9	0.24
723.9	258.32	0.41
4966.1	728.88	0.33
9377.83	906.61	0.27
23113.42	2344.62	0.25
27596.36	2575.21	0.24
41971.39	3542.93	0.23
681.18	243.07	0.41
6088.02	661.91	0.23
10205.28	788.72	0.21
21233.13	2086.89	0.22
25236.79	2258.81	0.22
37177.26	3111.42	0.22
962.36	210.36	0.21
3814.1	355.77	0.25
6111.99	462.58	0.27
13901.63	1828.09	0.28
17768.87	2023.35	0.27
28167.15	2791.11	0.26
1435.32	156.63	0.1
3489.36	255.73	0.24
5019.21	327.36	0.29
10224.91	1444.37	0.35
13869.06	1905.71	0.34
25408.2	2551.24	0.29
1278.3	173.42	0.12
3592.47	287.14	0.25
5210.87	334.49	0.29
10236.38	1558.78	0.36
14380.32	2050.67	0.34
26623.87	2630.14	0.29
1487.19	175.03	0.1
3511.55	259.69	0.24
4965.31	333.1	0.3
9148.94	1186.25	0.35
12230.8	2132.69	0.36
23230.88	2654.72	0.32
1100.26	154.34	0.15
2897	272.14	0.32

4443.15	377.4	0.38
8716.08	1392.89	0.42
11855.78	2227.37	0.42
24368.07	2836.93	0.33
290.24	134.75	1.01
3162.1	462.86	0.43
6303	822.41	0.39
15835.08	2467.38	0.32
20927.12	2678.46	0.3
36181.08	3280.6	0.26
740.02	151.84	0.26
4138.19	501.44	0.29
7051.27	594.95	0.29
12487.9	1294.6	0.33
14684.49	1377.59	0.32
19495.33	1591.67	0.39
863.38	123.48	0.19
2841.28	335.26	0.35
4766.24	437.38	0.39
8680.53	1015.39	0.43
10149.42	1253.67	0.45
14772.9	1521.98	0.44
780.06	196.45	0.27
3174.16	300.64	0.31
4580.4	493.48	0.36
7647.17	990.56	0.43
8675.35	1242.85	0.45
12282.53	1949.65	0.49
1044.49	216.02	0.19
3552.85	292.42	0.26
5062.16	514	0.32
8103.17	1078.76	0.39
9094.5	1394.17	0.41
13071.31	2070.32	0.45
1037.23	187.66	0.17
3364.74	297.09	0.28
4929.05	611.19	0.35
8040.79	1202.89	0.42
9077	1456.17	0.45
12885.32	2214.15	0.49

312.89	136.94	0.91
3032	356.1	0.4
4840.44	725.67	0.43
8429.32	1423.72	0.49
9767.87	1783.41	0.5
14255.88	2898.71	0.56
851.87	154.57	0.21
3186.15	280.21	0.29
4515.74	610.57	0.37
7518.01	1680.68	0.46
8799.61	2106.82	0.47
18245.24	3474.43	0.45
2043.99	180.12	0.06
4378.71	303.25	0.18
6035.65	751.32	0.25
9654.87	2020.12	0.34
11772.58	2714.52	0.36
25927.97	3612.12	0.3
1058.52	154.54	0.16
3520.03	547.83	0.3
6155	969.83	0.35
11812.17	1712.07	0.38
14224.12	2157.98	0.39
22737.04	2976.47	0.34
260.45	97.14	1.01
2622.48	414.14	0.5
6190.95	975.7	0.43
13495.89	1794.03	0.37
16497.76	2283.05	0.36
26905.12	3232.15	0.3
733.06	108.97	0.23
2777.64	360.86	0.37
5314.88	698.31	0.39
11859.76	1601.93	0.38
15138.19	1944.46	0.35
24780.18	2828.27	0.3
594.38	88.63	0.28
2381.36	275.52	0.47
4936.84	725.84	0.48
11389.2	1150.79	0.39
13627.58	1444.94	0.38

20689.58	2344.19	0.34
680.48	141.94	0.29
3097.93	365.42	0.35
5493.91	665.71	0.36
11511.88	1126.8	0.33
13644.37	1463.64	0.33
20391.7	2367.09	0.32
1187.75	155.87	0.13
3111.97	305.5	0.3
4999.16	449.3	0.35
8862.69	891.53	0.4
10435.64	1184.49	0.41
16431.48	2230.42	0.41
1147.55	172.32	0.15
3412.75	332.38	0.29
5111.86	399.36	0.34
8524.97	881.42	0.39
10007.3	1243.76	0.42
15783.33	2392.25	0.43
1129.54	227.25	0.15
3795.34	365.02	0.29
5623.71	436.36	0.34
9694.84	975.32	0.39
11245.27	1245.64	0.39
16956.09	2183	0.41
1438.69	212.14	0.1
3788.27	322.18	0.26
5319.56	381.35	0.33
8510.69	842.64	0.42
9921.55	1192.4	0.43
15191.1	2209.7	0.44
998.04	204.71	0.19
2966	313.56	0.36
4409.13	408.41	0.43
7578.26	604.89	0.49
8800.76	1019.49	0.5
13856.87	2081.14	0.49
1303.14	252.41	0.14
3471.03	346.98	0.3
4961.08	412.24	0.36

8193.31	590.9	0.41
9387.45	969.86	0.42
14808.53	2091.23	0.41
1212	220.73	0.15
3325.52	428.32	0.35
5110.44	510.17	0.4
9159.22	758.13	0.44
10815.14	975.82	0.44
18156.11	2229.34	0.39
892.8	267.44	0.26
3374.87	488.86	0.38
5360.63	547.43	0.39
9554.04	720.78	0.39
11185.24	915.63	0.4
18166.21	2622.45	0.36
773.94	389.09	0.39
3924.01	522.97	0.36
6072.97	577.1	0.37
10608.01	727.79	0.37
12229.32	840.12	0.37
18690.31	2782.39	0.39
833.94	253.89	0.26
3654.81	485.09	0.37
5694.58	554.8	0.38
10188.44	695.65	0.38
11741.23	736.71	0.38
18063.17	2363.68	0.4
854.96	238.96	0.25
3366.57	618.68	0.42
5907.89	800.82	0.39
10951.66	1530.03	0.36
12668.14	1773.94	0.36
18426.39	3044.83	0.5
699.18	243.93	0.32
2790.59	619.68	0.55
5431.14	824.83	0.44
10672.89	1646.63	0.38
12509.65	2053.58	0.39
26189.64	2965.96	0.36

550.41	178.38	0.44
3542.87	704.85	0.38
6142.16	905.47	0.35
11359	1665.51	0.33
13119.56	2081.1	0.34
26630.21	2958.81	0.33
609.03	153.61	0.35
3606.08	552.89	0.35
5724.63	704.25	0.36
9828.5	1438.34	0.39
11329.94	1744.41	0.4
19058.67	2760.12	0.47
1091.16	193.75	0.14
3547.51	524.11	0.31
5219.93	646.22	0.36
8385.39	1110.84	0.42
9536.96	1370.11	0.44
12602.08	2240.61	0.52
1024.68	264.71	0.17
3659.61	535.29	0.32
5349.92	631.37	0.36
8616.42	1165.69	0.43
9810.56	1412.19	0.45
13518.6	2117.59	0.47
1066.09	260.98	0.16
3234.47	496.27	0.37
4653.9	643.76	0.44
7701.53	1208.35	0.53
8970.77	1377.16	0.54
13582.02	2040.03	0.54
1240.99	288.46	0.13
3014.67	528.48	0.38
4229.35	651.29	0.49
7005.78	1109.95	0.6
8390.31	1356.3	0.61
15335.48	2488.97	0.53
1251.25	280.55	0.14
3321.67	687.02	0.39
4960.22	767.36	0.47
8464.27	1201.77	0.5

9830.26	1408.95	0.52
17082.08	2960.37	0.51
587.92	406.99	0.46
2890.34	859.61	0.58
4404.23	972.46	0.6
7980.7	1409.95	0.57
9445.19	1621.92	0.56
15500.3	2623.09	0.61
477.69	173.94	0.54
3096.56	742.06	0.49
5303.41	1061.59	0.44
9788.86	1443.57	0.39
11259.1	1599.5	0.38
18357.22	2373.22	0.41
693.41	225.65	0.35
2895.04	599.99	0.43
4709.19	822.34	0.41
8082.77	1308.96	0.4
9141.45	1416.08	0.41
12906.7	2216.38	0.46
549.87	290.42	0.57
3523.52	576.79	0.32
5391.04	795.61	0.33
8911.38	1200.49	0.34
10104.3	1416.72	0.36
14579.52	1935.23	0.37
913.04	279.5	0.23
3591.67	797.14	0.29
5417.69	1019.1	0.32
9207.23	1247.76	0.35
10610.64	1356.01	0.35
16862.39	2003.37	0.37
1041.15	288.48	0.19
3565.57	630.88	0.28
5102.92	760.96	0.32
8138.23	1141.56	0.37
9255.62	1263.83	0.38
14429.07	1581.4	0.41
910.52	218.98	0.23
4181.76	764.75	0.3

8006.47	1012.26	0.28
15533.85	1188.78	0.26
17822.24	1226.29	0.26
24195.89	1625.44	0.27
915.36	228.76	0.24
3285.66	378.32	0.33
5251.91	669.26	0.36
10327.86	847.13	0.35
11907.91	872.39	0.36
15849.73	1832.07	0.39
466.63	168.02	0.56
3255.79	454.91	0.37
5249.21	516.54	0.36
8904.76	581.58	0.37
9907.71	602.76	0.39
12242.16	787.7	0.45
650.86	166.02	0.34
3366.06	405.16	0.33
5114.75	449.31	0.35
8366.69	588.66	0.39
9334.71	648.36	0.42
11697.74	901.31	0.49
1246.61	178.08	0.13
3743.43	488.67	0.27
5924.5	597.75	0.31
11188.3	1053.42	0.34
12953.53	1187.15	0.35
17072.09	1420.68	0.39
296.07	77.66	0.75
4762.36	758.89	0.28
8294.78	857.75	0.25
14395.88	1489.7	0.26
16847.73	1821.18	0.28
22720.92	2041.38	0.31
941.59	215.36	0.22
4469.79	710.94	0.23
7912.04	835.35	0.24
13920.79	1049.7	0.26
15947.02	1765.01	0.28
20821.29	2091.9	0.33

903.62	159.42	0.2
3579.98	502.12	0.29
6485.93	785.7	0.3
12829.56	1383.19	0.32
14716.56	1563.58	0.34
18805.7	2673.48	0.42
988.55	180.94	0.19
4313.61	604.82	0.27
8390.31	1135.56	0.27
21894.39	3739.06	0.27
27394.09	4164.72	0.26
35978.46	4533.72	0.29
937.35	250.74	0.21
4595.62	567.91	0.26
8029.07	916.53	0.27
17261.92	3822.91	0.33
23554.16	4786.93	0.3
34419.75	5123.96	0.32
866.09	207.5	0.25
3833.29	425.21	0.28
5953.99	563.44	0.31
14931.39	3675.08	0.35
22654.71	4889.3	0.29
34212.86	5022.46	0.29
619.05	118.08	0.31
3853.87	449.03	0.31
6061.35	556.78	0.32
10109.7	2229.19	0.42
13973.07	3402.1	0.47
20286.6	4137.03	0.48
792.37	156.09	0.25
5009.7	590.94	0.24
8174.98	819.98	0.25
14391.39	3149.75	0.33
17525.65	4064.3	0.38
31269.42	4796.09	0.34
764.86	163.65	0.27
5141.65	642.44	0.24
8600.06	945.88	0.25
16402.22	2830.3	0.32
20893.48	3931.05	0.32

31368.29	4851.39	0.32
1056.92	172.15	0.17
4226.9	595.48	0.25
7618.27	1159.08	0.25
19809.6	3265.45	0.26
24233.02	3374.64	0.24
32566.34	4177	0.27
879	185.72	0.23
3458.34	381.88	0.29
6615.74	1091.24	0.29
15064.41	2281.71	0.32
18230.23	3074.83	0.34
25461.26	3461.9	0.34
1180.87	177.68	0.15
3386.18	310.57	0.28
6500.91	1324.75	0.3
16192.2	2110.24	0.28
18701.95	2968.77	0.32
25421	3275.2	0.33
1165.76	265.29	0.18
4246.81	430.63	0.24
7181.38	1132.47	0.26
15376.49	2747.8	0.32
17685.53	2805.01	0.33
23121.12	2993.24	0.37
626.14	175.91	0.38
3318.5	407.95	0.34
6005.91	912.12	0.34
14649.63	3258.64	0.38
17344.47	3633.11	0.4
24936.19	4041.18	0.4
638.47	140.23	0.33
3538.31	403.94	0.33
6434.1	1070.48	0.34
15970.76	3059.56	0.39
18293.65	3277.97	0.4
24914.19	4429.51	0.44
471.72	85.22	0.4
3791.95	545.07	0.33
8457.25	1676.97	0.28

21398.75	4368.73	0.3
24619.96	4595.73	0.3
32840.09	4973.69	0.31
948.52	142.64	0.18
3205.23	436.94	0.29
6037.31	1254.66	0.32
20326.22	4902.76	0.33
24385.1	5082.9	0.33
34211.05	5328.35	0.32
1317.71	263.25	0.14
5158.8	637.3	0.2
8131.3	1885.25	0.23
26246.04	4458.94	0.22
29717.88	4508.84	0.22
37904.11	4658.87	0.24
929.1	139.78	0.19
3390.16	457.97	0.3
4963.85	1603.79	0.34
22127.85	3994.45	0.28
25152.17	4069.41	0.29
32103.03	4238.3	0.31
753.25	156.05	0.27
3604.62	366.66	0.3
5376.04	515.2	0.34
16174.26	4192.21	0.4
19493.66	4627.69	0.41
28873.35	4986.71	0.39
604.13	95.87	0.3
3203.52	488.22	0.42
5489.55	1178.82	0.41
23112.07	4536.62	0.34
26765.37	4566.71	0.34
35930.56	4626.13	0.32
1002.37	150.22	0.17
3081.05	423.16	0.37
4850.63	1017.67	0.4
20690.65	4037.4	0.34
24188.29	4099.96	0.34
32971.24	4217.06	0.34
1644.04	206.06	0.1

3507.65	322.82	0.28
4904.51	658.05	0.34
15446.85	3718.05	0.39
19376.15	3795.47	0.38
28637.01	3939.45	0.36
1247.18	222	0.15
3127.91	343.71	0.36
4569.16	718.34	0.41
15596.7	3472.61	0.4
19765.75	3560.41	0.38
28819.32	3726.53	0.36
1028.94	375.13	0.27
3720.85	575.98	0.33
5623.03	737.94	0.34
17811.09	3238.44	0.31
21651.94	3360.29	0.3
30042.69	3616.72	0.31
996.48	428.1	0.3
3894.7	628.3	0.32
5798.42	731.81	0.32
17238.77	2946.06	0.3
20764.18	3333.31	0.3
29440.46	3793.7	0.31
383.65	195.65	0.85
3523.42	461.53	0.35
5470.12	517.81	0.35
12922.71	2838	0.38
17026.59	3311.32	0.37
26445.04	4039.46	0.35
788.33	172.1	0.26
3511.79	487.21	0.36
6115.07	778.46	0.36
18219.52	3131.83	0.35
23189.55	3685.77	0.32
33560.62	3982.81	0.3
673.49	191.61	0.34
4139.7	583.44	0.32
7414.63	1166.83	0.32
22677.84	3216.79	0.28
27950.98	3837.65	0.27
38758.31	4117.1	0.26

978.67	228.77	0.22
3672.73	375.26	0.31
6132.63	693.54	0.32
16815.41	2734.56	0.34
21635.93	3461.35	0.32
32212.09	3692.12	0.3
1180.83	192.22	0.15
4072.56	573.85	0.3
7115.09	898.85	0.31
20140.47	3002.76	0.3
25638.39	3821.82	0.29
37461.05	3977.63	0.26
501.82	144.36	0.49
3764.66	567.04	0.38
6611.93	743.65	0.34
18571.92	2749.38	0.32
23802.77	3390.95	0.3
34925.85	3528.31	0.26
1058.59	251.53	0.21
4759.16	602.36	0.26
8341.58	1026.33	0.26
18269.53	2083.16	0.26
22626.56	2830.49	0.26
32327.04	3169.05	0.26
464.25	206.56	0.61
4207.06	430.14	0.29
6603.62	701.16	0.31
15379.61	2007.8	0.33
19738.57	2699.6	0.32
29604.5	2909.14	0.29
1653.77	203.87	0.09
4407.85	369.88	0.22
6426.01	627.68	0.27
12536.79	1327.95	0.34
15455.92	1709.96	0.34
22732.9	2590.39	0.37
1527.14	166.4	0.09
3917.46	443.54	0.26
6363.23	772.26	0.32
11416.11	1146.48	0.41

13621.64	1435.58	0.43
17836.79	1760.53	0.48
1978.31	171.93	0.07
4410.89	474.79	0.22
7200.2	959.75	0.27
12724.44	1220.9	0.35
14993.35	1849.6	0.38
19848.14	2390.92	0.44
1464.59	146.55	0.1
3743.71	453.75	0.28
6297.1	1184.02	0.34
13042.23	1396.34	0.37
16129.67	2164.13	0.39
21636.49	2330.77	0.41
1073.4	169.22	0.16
3302.85	457.86	0.37
5063.45	608.44	0.43
13087.54	1780.02	0.41
15884.91	2464.89	0.44
22534.55	2682.8	0.43
1352.06	171.7	0.11
3507.62	467.65	0.34
5138.81	657.05	0.41
13835.91	1959.58	0.4
16494.32	2951.82	0.45
26895.78	3205.99	0.37
1926.66	263.53	0.08
4209.29	509.2	0.27
5716.37	668.32	0.35
14679.63	2437.2	0.38
17214.24	2729.58	0.4
29590.38	3589.34	0.32
1694.8	303.16	0.11
4016.51	572.92	0.31
5419.48	710.64	0.4
13070.66	2809.78	0.47
17581.7	3106.67	0.41
32393.41	3748.87	0.3
956.73	502.81	0.31
4703.27	927.43	0.37

6318.5	955.06	0.43
12422.98	2161.92	0.51
18220.32	3918.81	0.46
41955.7	4446.02	0.23
331.89	174.82	1
2110.58	586.04	0.84
5928.21	1357.22	0.52
16200.85	1904.57	0.34
22161.78	3318.81	0.32
46464.96	3826.38	0.18
1000.18	501.99	0.28
5053.7	564.15	0.27
7398.1	570.52	0.27
10672.86	579.3	0.35
11707.43	641.39	0.37
31996.79	3727.03	0.29
996.36	377.41	0.27
4713.35	522.54	0.27
6879.39	544.72	0.28
9591.91	571.29	0.39
10544.54	580.33	0.4
17213.23	3358.5	0.51
706.52	349.75	0.54
4804.79	631.5	0.35
7809.95	808.85	0.35
12512.11	1237.57	0.45
14797.41	1801.82	0.44
25961.37	3639.72	0.42
459.09	119.42	0.51
3469.86	545.55	0.41
5988.66	605.12	0.37
9473.28	1050.68	0.5
11305.46	1391.42	0.51
25244.96	3710.56	0.41
496.57	268.94	0.45
2803.89	656.43	0.42
4290.93	1234.43	0.47
18542.68	1995.24	0.33
22354.35	2284.08	0.32

34418.79	3218.93	0.3
890.9	373.76	0.22
3403.34	979.79	0.31
4720.82	1169.68	0.37
22895.58	1826.48	0.23
26191.06	1874.47	0.23
34681.95	2027.7	0.23
1404.48	591.53	0.11
3644.88	1069.86	0.27
4763.18	1187.3	0.35
26165.8	1959.82	0.2
29853.84	2141.88	0.21
40734.37	3156.39	0.23
1684.46	188.34	0.09
3959.18	297.57	0.23
4990.83	386	0.31
7692.41	949	0.5
8724.04	1032.47	0.54
12117.02	1615.08	0.63
1071.59	549.1	0.2
3496.3	833.11	0.3
12088.59	1858.07	0.23
21194.61	2432.15	0.28
23696.35	2470.42	0.29
30042.56	2647.6	0.31
798.21	272.05	0.3
4387.64	993.89	0.32
10120.87	2332.68	0.28
21314.13	2960.32	0.31
24469.64	2981.56	0.31
32065.1	3035	0.31
492.23	333.06	0.54
3616.21	834.7	0.34
6716.56	1591.68	0.35
23328.7	2721.29	0.27
26175.23	2732.31	0.27
33009.07	2760.64	0.28
1002.14	341.79	0.19
4269.34	823.35	0.28
5695.13	899.37	0.35

23129.8	2778.98	0.28
25988.99	2802.22	0.29
32955.65	2881.18	0.3
1275.64	157.04	0.13
3735.19	649.92	0.27
6585.17	1043.13	0.33
15365.58	2382.58	0.4
17998.43	2404.92	0.4
24219.28	2478.68	0.41
518.87	106.53	0.4
4787.09	819.3	0.31
8118.06	1487.71	0.36
17498.47	2382.29	0.38
20104.16	2465.73	0.39
26474.58	2567.85	0.4
632.27	113.64	0.31
4005.95	1101.5	0.39
6046.54	1499.99	0.46
19710.51	2573.37	0.35
22520.27	2645.68	0.36
29411.23	2784.94	0.36
515.9	110.41	0.41
2168.92	1084.49	0.62
6460.47	1577.73	0.48
19676.55	2484.3	0.35
22374.25	2604	0.36
29141.33	2796.88	0.37
531.27	139.44	0.44
4168.17	938.23	0.37
9278.84	1626.79	0.31
21628.33	2265.49	0.26
23990.46	2410.62	0.28
30162.37	2707.6	0.3
757.98	157.41	0.28
5089.54	1006.34	0.31
10686.84	1605.45	0.27
24220.36	3171.63	0.25
27547.83	3380.16	0.26
36184.96	3664.49	0.27
598.19	114.65	0.34

4911.16	962.6	0.34
9969.12	1465.62	0.29
23412.04	3530.82	0.27
27084.19	3638.41	0.27
36279.64	3806.05	0.28
737.13	152.61	0.28
4303.11	742.41	0.34
8111.28	979.12	0.3
19840.19	3425.9	0.32
23460.09	3497.99	0.32
32547.27	3642.24	0.32
721.25	153.97	0.28
3860.79	569.88	0.36
6934.4	716.53	0.33
18697.75	3171.4	0.36
22228.55	3357.7	0.36
31503.75	3586.71	0.34
665.56	151.31	0.32
3770.2	452.81	0.35
6034.33	507.59	0.34
14971.87	2741.09	0.45
18683.87	2950.59	0.43
28005.61	3358.26	0.39
725.84	211.83	0.31
3657.63	384.34	0.35
5633.06	701.14	0.37
14825.16	2516.19	0.46
18617.76	2662.98	0.43
27219.56	3124.72	0.39
774.76	213.69	0.3
3745.73	393.52	0.32
6251.92	886.49	0.33
16658.19	2799.04	0.38
21071.62	2904.06	0.35
30460.89	3142.24	0.33
969.66	178.76	0.2
3506.8	351.42	0.32
6016.18	1103.7	0.36
16843.68	2349.71	0.35
20613.89	2466.7	0.34
28498.29	2633.42	0.33

894.06	201.32	0.24
3623.95	374.57	0.31
6511.97	1283.38	0.35
14432.43	1637.87	0.36
16906.92	1867.99	0.37
22730.03	2187.1	0.39
910.06	230.58	0.25
4058.77	441.29	0.32
7109.75	1191.91	0.36
14377.23	1486.7	0.38
16352.17	1704.21	0.41
21494.4	2189.52	0.46
881.96	222.59	0.26
4192.71	473.26	0.32
7370.36	1250.52	0.37
15625.91	1924.52	0.4
18334.02	2108.23	0.4
24622.4	2365.38	0.41
986.15	236	0.22
4533.99	513.1	0.3
8223.33	1242.87	0.34
16415.64	2161.33	0.39
19586.83	2320.73	0.38
26236.37	2441.2	0.39
950.74	211.45	0.22
4643.12	514.67	0.27
7865.72	1158.08	0.31
15488.88	2230.37	0.38
18804.67	2428.52	0.37
25931.78	2584.6	0.38
1155.74	221.6	0.16
5145.63	657.11	0.27
8789.52	1102.68	0.29
17006.33	2262.38	0.36
20364.62	2409.65	0.36
27296.45	2589.84	0.37
701.75	89.74	0.23
3099.25	492.26	0.48
5908.01	1026.14	0.51
17628.9	2717.73	0.41

22090.32	2860.86	0.38
30650.86	3096.44	0.37
839.43	251.96	0.29
3105.66	381.1	0.41
4760.41	723.82	0.45
15883.17	2947.28	0.42
22422.54	3124.17	0.35
32037.7	3280.35	0.33
1649.28	234.74	0.1
3569.15	339.39	0.3
5371.96	723.08	0.36
18074.18	2862.89	0.36
24705.37	3054.02	0.31
34250.37	3277.36	0.3
1091.03	223.39	0.19
2791.49	330.66	0.42
4001.52	430.62	0.48
19071.21	2891.35	0.35
25966.5	3104.41	0.3
35649.98	3327.12	0.29
1051.61	292.83	0.23
3179.71	409.87	0.39
6050.75	1507.98	0.39
22701.38	2865.23	0.25
29509.43	3100.61	0.22
39124.69	3320.6	0.22
366.97	246.19	1.03
3984.13	589.25	0.37
6614.54	865.43	0.34
22936.38	2842.02	0.25
30193.25	3161.62	0.22
40113.91	3433.5	0.22
604.77	113.45	0.33
4686.96	701.72	0.31
7564.8	761.91	0.29
17621.54	2173.65	0.27
23495.94	2972.21	0.3
33397.62	3244.49	0.28
758.9	141.57	0.26
4687.66	796.52	0.3

8082.47	838.03	0.27
17401.29	2042.94	0.26
22121.65	2903.86	0.31
32099.97	3080.18	0.28
595.88	93.14	0.31
4090.69	756.99	0.38
7884.27	843.68	0.3
17913.8	1901.19	0.27
21065.92	2768.38	0.36
31501.85	2966.23	0.31
1020.85	260.95	0.2
4198.4	451.02	0.3
6654.49	652.66	0.32
14848.82	1921.8	0.33
18475.95	2227.49	0.34
27821.41	3032.74	0.37
1163.32	167.22	0.15
3523.49	347.73	0.3
5193.39	496.26	0.35
10346.18	1037.26	0.42
12669.09	1878.24	0.45
22799.29	2977.39	0.42
1190.56	194.93	0.15
3722.88	366.68	0.29
5453.02	490.09	0.34
9928.24	907.54	0.42
11790.98	1795.98	0.46
17228.21	2748	0.53
867.62	252.93	0.28
3822.49	393.68	0.31
5533.39	493.11	0.35
10410.44	1570.53	0.42
12391.22	2218.76	0.46
17581.63	2664.59	0.54
807.43	199.12	0.28
3860.95	537.9	0.34
6215.18	613.8	0.34
13722.46	1995.78	0.38
16220.3	2501.61	0.43
22101.77	2697.51	0.46

563.46	178	0.46
3524.08	447.44	0.38
5598.75	631.23	0.4
13867.55	2146.53	0.41
15775.48	2495.48	0.47
22231.1	2705.55	0.48
777.03	161.59	0.27
3461.78	472.55	0.37
5472.28	519.59	0.38
14116.62	2355.85	0.45
16940.08	2489.11	0.45
23518.01	2733.79	0.45
667.42	173.17	0.34
2943.05	465.04	0.46
5012.53	507.7	0.45
14035.03	2313.47	0.48
17147.12	2480.05	0.47
23841.08	2732.17	0.48
1069.23	194.27	0.18
3754	477.13	0.34
6065.68	669.42	0.36
18374.75	2436.47	0.35
21365.48	2537.62	0.36
27907.23	2922.39	0.39
920.26	189.68	0.22
3642.58	455.69	0.36
5763.95	544.28	0.37
16452.76	2475.5	0.38
20116.12	3280.3	0.39
28705.43	3511.02	0.39
717.23	234.98	0.37
3181.54	400.4	0.39
5374.51	549.12	0.38
15597.13	2256.29	0.38
18218.48	3052.77	0.4
26656	3453.81	0.39
532.89	189.31	0.52
2743.26	312.29	0.44
4242.79	423.68	0.46
14802.48	2400.01	0.41
17754.16	2552.54	0.41

24774.98	2985.14	0.42
1138.77	213.16	0.17
3311.84	304.51	0.33
4707.13	412.5	0.37
20012.79	3011.45	0.32
23670.09	3028.83	0.32
31323.51	3057.56	0.32
1058.92	212.16	0.19
3163.41	327.97	0.35
5878.63	1198.18	0.36
21664.11	2590.83	0.27
24632.09	2736.44	0.29
31605.38	3147.79	0.32
836.17	238.79	0.29
3344.65	402.6	0.37
5335.7	671.04	0.38
14650.17	1908.76	0.35
17101.44	2700.13	0.36
24090.78	3376.8	0.39
567.26	139.32	0.4
2661.77	394.04	0.51
4586.03	439.73	0.44
13085.99	2216.79	0.42
15831.32	2555.62	0.42
23248.37	3350.52	0.42
706.6	367.49	0.45
6007.88	720.47	0.24
9565.07	760.72	0.21
19947.04	2823.44	0.26
23279.73	3004.65	0.27
30644.17	3111.23	0.29
1043.22	422.1	0.27
7197.61	769.09	0.19
11046.24	808.78	0.18
25154.23	3000.44	0.22
28575.6	3092.42	0.23
36124.73	3240.43	0.25
1608.97	662.85	0.19
8724.12	820.32	0.16
12935.19	902.05	0.16

29518.36	3289.35	0.19
33183.84	3337.44	0.2
41103.72	3436.8	0.22
1438.1	319.98	0.16
5061.71	462.06	0.23
7494.41	555.28	0.24
27798.83	4348.18	0.24
32898.55	4402.72	0.23
43520.64	4621.38	0.23
1442.26	200.12	0.12
3557.39	297.25	0.28
5004.98	357.29	0.32
15851.14	3717.82	0.34
21487.99	4414.97	0.33
34109.29	4854.12	0.31
1118.66	235.17	0.18
3370.95	348.19	0.33
5202.66	460.83	0.35
14213.7	3462.98	0.37
19789.73	3824.32	0.35
30736.95	4549.46	0.34
730.31	152.34	0.29
3160.25	376.58	0.36
5158.38	502.88	0.36
22110.53	4101.08	0.29
28527.51	4738.41	0.27
41123.2	4824.82	0.25
781.4	147.34	0.25
3495.43	392.39	0.35
5581.42	552.11	0.35
22964.3	3966.64	0.29
29208.33	4709.08	0.27
41818.09	4773.82	0.25
669.26	180.83	0.33
4077.78	560.02	0.35
6903.59	611.89	0.32
25548.67	3880.56	0.25
31660.57	4561.98	0.25
44099.54	4686.67	0.24

955.09	347.73	0.26
5028.93	501.67	0.23
7977.71	669.88	0.23
22259.04	3262.76	0.24
27482.09	3909.43	0.24
38720.13	4507.54	0.25
863.95	143.47	0.22
2891.21	324.53	0.37
4717.4	428.49	0.37
17236.75	2677.79	0.31
21849.43	3186.78	0.31
31842.08	3905.27	0.31
506.53	179.88	0.54
4365.75	480.17	0.29
7126.71	631.68	0.27
20451.07	2760.39	0.25
25501.8	3277.26	0.25
35698.27	3910.9	0.25
608.8	113.05	0.33
3460.49	396.42	0.33
5911.65	512.03	0.32
23406.27	3180.26	0.24
29060.87	3352.07	0.23
38486.37	3596.07	0.23
1132.26	174.06	0.16
3739.97	284.44	0.25
5530.89	413.09	0.28
15436.64	2679.53	0.3
20840.16	2846.46	0.28
28733.02	3085.9	0.3
1296.19	165.29	0.13
3735.57	261.76	0.24
5355.97	384.41	0.29
15371.29	2389.36	0.31
20355.05	2843.93	0.3
28161.09	3050.3	0.32
791.33	125.29	0.23
2881.71	265.7	0.37
4382.29	374.4	0.41
16159.33	2642.17	0.35

21885.4	3124.09	0.34
30820.67	3326.25	0.33
910.16	253.51	0.29
4459.64	461.66	0.3
6805.6	522.55	0.31
20886.14	3115.35	0.32
28152.77	3514.2	0.29
38128.8	3673.26	0.28
617.76	91.65	0.29
5050.08	584.28	0.26
8054.73	634.85	0.25
22783.46	2981.04	0.24
29595.52	3069.27	0.22
38042.84	3146.83	0.24
556	119.74	0.38
3698.99	533.48	0.34
6677.36	589.9	0.3
18574.05	3142.04	0.32
27701.53	3251.28	0.25
36916.24	3345.27	0.25
1192.93	146.83	0.14
3468.24	276.35	0.27
5029.7	362.58	0.31
10762.39	1779.49	0.37
18743.09	3120.38	0.32
28937.77	3256.43	0.31
565.77	124.61	0.38
2859.41	319.43	0.4
4638.87	377.78	0.39
9662.55	728.37	0.4
13942.79	1931.29	0.41
24723.04	3406.3	0.4
575.3	116.68	0.36
2923.5	285.8	0.37
4521.04	331.76	0.37
8518.16	523.03	0.4
11381.72	2442.96	0.44
22846.24	3556.77	0.41
664.85	141.48	0.32
2980.12	258.6	0.33

4506.2	324.93	0.35
9416.46	1094.07	0.38
13503.92	2394.62	0.38
26155.61	3988.24	0.36
727.43	125.78	0.26
3591.87	408.81	0.3
6080.49	502.69	0.3
14585.54	1194.81	0.29
19051.02	2842.49	0.3
35336.76	4933.05	0.29
579.11	104.61	0.34
2935.54	315.24	0.39
5077.92	458.95	0.37
11156.45	839.91	0.37
13557.91	1455.66	0.39
27552.82	5102.9	0.37
743.59	146.52	0.27
3746.95	303.94	0.28
5543.27	338.27	0.29
13566.03	1850.43	0.33
18673.43	2650.29	0.31
33440.64	5759.3	0.3
914.46	151.12	0.2
3562.11	286.41	0.27
5262.88	328.46	0.29
9939.87	1203.04	0.38
13950.18	1748.93	0.37
21405.44	3573.5	0.43
1083.86	145.92	0.16
3346.11	241.1	0.27
4745.61	287.11	0.31
10526.51	1315.01	0.37
15190.69	2034.73	0.36
22581.77	3528.67	0.39
930.53	190.54	0.22
3599.92	253.71	0.26
5036.2	307.49	0.28
11090.68	1748.13	0.34
17155.73	2396.54	0.32
26200.02	4015.05	0.34

1005.77	138.98	0.17
3036.66	235.55	0.31
4299.06	272.93	0.35
8331.27	880.35	0.45
10740.84	1687.98	0.48
21078.04	3615.36	0.47
1640.74	184.6	0.09
4332.2	339.19	0.22
6161.46	411.02	0.26
10949.11	1175.93	0.36
13378.92	1944.06	0.4
22651.46	2741.65	0.41
823.91	244.5	0.29
3786.71	305.19	0.3
5321.33	343.38	0.32
9534.66	978.57	0.43
11556.17	1574.55	0.46
17829.02	2553.66	0.53
896.18	177.7	0.23
3115.58	269.33	0.34
4572.81	383.36	0.38
12075.17	1447.98	0.4
15210.8	2197.54	0.4
21758.89	2669.97	0.45
999.85	164.97	0.19
3173.63	328.25	0.35
4954.88	526.65	0.38
11878.87	1647.08	0.41
14811.9	2092.83	0.42
21074.64	2426.05	0.44
1393.6	179.99	0.12
3590.24	315.74	0.29
5115.91	379.72	0.33
12455.05	1666.32	0.38
15033.05	2147.8	0.41
21329.27	2436.98	0.43
1856.26	189.29	0.08
3903.5	289.86	0.23
5320.46	360.67	0.28
11479.99	2272.15	0.39
14908.81	2384.55	0.4

20462.15	2643.34	0.45
1905.87	263.65	0.09
4734.96	389.22	0.21
6438.31	588.16	0.25
14372.48	2565.09	0.32
18804.99	3306.44	0.34
26440.36	3415.1	0.36
1300.91	190.17	0.14
3749.17	390.26	0.3
5420.29	450.13	0.33
12809.63	2422.56	0.41
16064.38	3066.51	0.44
24211.61	3409.06	0.44
1938.86	231.64	0.08
4271.2	355.35	0.23
5873.25	498.49	0.28
13622.41	2796.96	0.36
16766.04	3174.66	0.39
24668.61	3296.39	0.39
1437.35	306.56	0.15
3921.9	384.25	0.28
5489.87	472.51	0.31
12519.23	2814.47	0.41
15957.48	2906.51	0.42
23315.95	3165.45	0.42
950.74	297.33	0.27
3846.26	538.73	0.36
6298.14	762.7	0.35
19443.57	3239.53	0.34
23548.3	3329.05	0.33
31849.77	3460.07	0.33
466.31	183.94	0.62
4560.55	885.49	0.36
9164.85	1263.04	0.27
26260.84	3421.69	0.22
30521.72	3454.18	0.22
38933.55	3522.32	0.22
490.97	120.96	0.46
3283.67	594.12	0.37
5005.88	878.24	0.37

24891.94	3323.02	0.25
29184.91	3363.25	0.25
37441.28	3426.03	0.25
843.11	151.11	0.24
3063.85	473.43	0.33
4687.92	996.48	0.35
23479.09	3129.51	0.25
27593.6	3153.94	0.24
35299.44	3202.44	0.25
743.68	137.33	0.26
2737.44	411.46	0.39
4337.43	788.35	0.41
8635.8	1498.3	0.55
11977.8	2007.59	0.53
20071.21	2573.05	0.49
631.06	164.44	0.38
2679.28	438.6	0.41
3937.42	760.08	0.44
12622.86	1789.61	0.45
16703.65	2205.86	0.44
25718.34	2465.8	0.39
934.58	295.89	0.29
5699.02	728.23	0.24
8792.47	1091.7	0.24
18345.45	1640.84	0.3
21959.51	1757.58	0.3
29009.51	1987.69	0.3
613.27	115.2	0.33
2835.58	437.94	0.42
4860.28	997.97	0.43
13575.65	1246.23	0.4
16496.61	1468.96	0.4
22635.47	1695.11	0.39
706.29	128.68	0.28
3076.59	583.5	0.36
4442.65	741.4	0.41
12619.28	1132.69	0.4
15300.15	1292.17	0.4
20534.59	1428.19	0.4
546.08	104.16	0.38

2182.7	335.86	0.54
3138.69	586.2	0.59
9843.38	967.88	0.52
12516.25	1213.2	0.51
18094.19	1491.65	0.49
706.04	145.94	0.3
2533.59	355.97	0.45
3637.65	487.57	0.48
11062.43	962.48	0.41
13637.2	1052.05	0.39
18612.25	1460.9	0.42
500.27	177.27	0.54
2371.4	359.36	0.5
3386.87	467.15	0.52
10617.19	1566.55	0.46
16060.82	1730.4	0.39
23843.39	1849.08	0.36
822.79	161.82	0.25
2946.55	409.93	0.42
5136.11	615.19	0.43
11691.8	1013.33	0.42
14698.35	1621.18	0.44
23313.91	2013.37	0.4
954.57	169.51	0.21
3608.43	457.44	0.36
5615.63	547.76	0.36
11203.95	800.76	0.38
13423.26	1233.17	0.42
19993.68	1662.01	0.41
783.32	285.1	0.36
4004.72	485.98	0.32
6017.97	624.53	0.33
12688.42	944.86	0.34
15373.5	1439.91	0.36
23281.37	1812.33	0.34
749.51	270.05	0.38
3918.21	393.51	0.29
5608.98	430.93	0.31
10114.18	894.6	0.36
12982.59	1342.09	0.36
20036.93	1587.74	0.35

1138.77	249.36	0.19
3645.23	395.7	0.3
5001.92	461.03	0.34
10300.18	743.25	0.39
12922.88	1292.31	0.4
19868.8	1569.51	0.39
1225.46	245.82	0.17
3672.32	394.33	0.3
5268.71	464.82	0.34
9615.01	781.24	0.42
12076.99	1143.54	0.42
19148.83	1627.39	0.41
1085.15	256.35	0.21
3561.86	337.56	0.32
4971.76	402.95	0.36
9058	795.84	0.45
11127.98	982.31	0.46
18754.34	1673.2	0.42
708.15	243.92	0.34
3836.14	481.12	0.4
6028.37	617.76	0.41
12706.4	1065.61	0.43
15520.98	1317.69	0.41
24089.52	1885.43	0.4
884.48	283.23	0.28
4752.74	660.45	0.34
7827.34	824.55	0.34
15388.2	1136.97	0.35
18363.61	1448.38	0.34
27613.18	1912.22	0.34
487.75	161.83	0.53
4760.52	653.02	0.35
7999.84	892.44	0.34
16017.75	1197.37	0.35
19146.61	1526.98	0.34
29002.55	2012.58	0.33
449.99	97.73	0.49
3532.53	550	0.45

6455.4	964.99	0.44
16157.38	1302.99	0.36
19611.15	1650.77	0.34
30028.97	2080.8	0.32
639.03	214.41	0.3
4303.58	568.55	0.32
7324.5	870.98	0.31
16003.68	1159.1	0.27
19540.43	1495.61	0.26
28705.41	1910.12	0.26
710.83	152.68	0.31
3036.2	425.34	0.4
5695.03	844.71	0.38
15525.32	1205.13	0.3
18910.83	1562.16	0.28
29006.22	2007.01	0.27
1320.44	139.53	0.12
3109.28	391.74	0.33
5332.15	629	0.36
15482.29	1207.4	0.31
18995.06	1529.46	0.3
28848.54	1998.06	0.29
2905.42	189.34	0.04
4696.31	244.84	0.17
5810.73	310.3	0.23
10898.84	773.73	0.31
12820.29	1166.78	0.34
20668.07	1553.49	0.35
1177.24	260.06	0.17
3593.69	332.15	0.33
4990.14	359.3	0.36
9092.59	1068.5	0.42
12028.12	1221.5	0.43
19232.44	1368.03	0.4
1214.76	279.03	0.19
3675.28	370.64	0.35
5234.41	398.39	0.38
11313.63	1010.88	0.42
14182.26	1073.15	0.41
20461.69	1170.28	0.38

1106.77	243.25	0.2
3166.37	384.18	0.43
4974.41	525.56	0.45
11791.14	1148.94	0.45
15421.35	1243.35	0.41
22917.08	1319.91	0.36
1100.84	251.73	0.19
3184.82	405.81	0.43
5116.12	545.7	0.44
12049.12	1168.37	0.44
15830.38	1316.59	0.4
24029.61	1449.42	0.35
1294.72	427.18	0.21
4838.27	741.9	0.31
8035.86	943.75	0.29
21586.41	1905.69	0.25
27499.86	1987.79	0.22
39500.3	2074.12	0.2
1220.67	324.94	0.19
5039.76	724	0.28
8112.33	1110.47	0.28
22310.44	1868.26	0.24
28099.79	1950.45	0.22
39812.81	2031.24	0.2
955.7	236.14	0.24
3833.24	632.58	0.38
7385.2	967.05	0.34
18757.5	1367.42	0.28
22951.78	1394.41	0.26
31892.77	1597.73	0.25
342.51	179.81	1
2462.88	492.35	0.65
4918.48	721.52	0.48
16058.43	1101.91	0.32
19481.54	1135.36	0.3
26323.58	1199.96	0.29
518.41	169.48	0.46
2641.35	405.61	0.45
4219.78	616.82	0.47

15886.35	1085.59	0.33
19501	1191.5	0.31
26968.36	1293.59	0.3
1074.95	171.21	0.17
3544.09	327.33	0.3
5530.38	461.38	0.32
13270.26	890.45	0.32
16190.46	950.67	0.32
22161.02	1052.43	0.31
838.24	152.73	0.24
2963.87	278.93	0.37
4444.9	346.01	0.4
10567.38	775.53	0.4
13230.65	845.66	0.38
18535.32	918.88	0.38
794.68	150.46	0.26
2830.39	287.86	0.39
4441.95	379.27	0.41
9725.6	573.19	0.41
11579.74	626.38	0.41
15437.84	792.06	0.43
868.71	172.26	0.24
2889.5	266.99	0.38
4330.59	344.93	0.41
8881.4	527.85	0.43
10577.87	637.87	0.44
14683.08	791.2	0.45
678.84	181.2	0.34
3163.32	323.25	0.41
4868.07	368.43	0.4
9691.35	590.51	0.42
11594.69	677.67	0.42
15803.4	755.39	0.41
673.79	157.06	0.34
3113.88	317.09	0.38
4784.11	352.8	0.38
9552.13	617.75	0.39
11598.07	710.14	0.39
15898.05	766.07	0.39
812.59	193.47	0.27

3587.48	330.54	0.34
5361.07	371.64	0.34
10359.05	664.8	0.39
12550.89	714.8	0.38
16929.71	773.2	0.37
574.22	205.27	0.47
3388.85	346.93	0.36
5650.47	534.87	0.35
13113.1	816.56	0.32
15787.98	888.23	0.32
21339.88	987.7	0.32
553.75	190.85	0.5
3464.25	302.88	0.32
5172.04	374.22	0.33
11335.91	739.41	0.34
13780.08	817.25	0.34
19161.67	988.75	0.35
792.37	188.71	0.29
3808.93	333.17	0.27
5738.43	403.98	0.28
10829.05	548.15	0.31
12617.82	618.52	0.32
16610.86	856.38	0.35
727.13	137.42	0.28
3437.33	303.4	0.31
5117.98	365.21	0.33
9647.23	524.09	0.37
11330.64	593.84	0.38
15088.01	830.54	0.42
789.92	143.71	0.26
3152.36	256	0.32
4683.01	356.94	0.36
9010.86	506.55	0.41
10620.4	613.31	0.42
14342.65	792.94	0.46
631.48	105.2	0.31
2489.01	243.46	0.42
3797.65	318.11	0.46
7738.64	466.72	0.49
9059.83	586.99	0.52
12722.88	750.15	0.54

644.42	110.45	0.3
2528.59	236.51	0.42
3756.31	312.99	0.47
7633.74	542.27	0.53
9390.02	696.76	0.54
14073.98	864.92	0.52
831.61	128.08	0.22
2793.53	255.68	0.36
4117.43	324.49	0.41
8254.53	680.67	0.47
10492.91	873.04	0.49
16515.28	1036.82	0.45
903.71	146.84	0.21
3174.31	275.77	0.32
4486.81	318.29	0.37
8477.81	595.64	0.45
10257.82	637.86	0.45
13855.74	786.92	0.48
940.94	205.75	0.23
3713.97	279.74	0.27
5013.73	310.24	0.31
8849.77	516.7	0.38
10405.81	586.53	0.39
13894.78	728.23	0.42
732.4	164.96	0.3
4323.91	352.92	0.28
5954.5	379.48	0.31
10533.74	581.48	0.36
12339.13	707.06	0.37
16534.75	842.46	0.39
922.42	137.94	0.19
4807.21	497.59	0.26
7096.89	532.64	0.27
13704.8	704.84	0.29
15783.47	741.86	0.29
20031.6	830.52	0.31
773.75	99.71	0.22
4520.99	648.51	0.31
7725.44	676.96	0.27
15082.87	753.27	0.26

17300.7	769.99	0.26
21507.56	800.71	0.27
774.77	102.99	0.22
3370.5	587.81	0.38
6583.85	659.98	0.32
14210.45	809.08	0.28
16672.53	906.75	0.29
21873.5	1014.18	0.3
639.21	102.19	0.3
3009.32	504.84	0.43
6208.45	656.3	0.35
13945.75	815.26	0.3
16406.48	859.71	0.29
21256.22	935.58	0.3
593.21	99.83	0.32
2691.5	295.5	0.46
5106.78	563.56	0.43
11979.04	695.37	0.35
14093.1	751.8	0.35
18404.71	861.26	0.36
973.52	160.55	0.19
2876.8	219.27	0.35
4027.92	447.79	0.41
9183.33	555.07	0.42
10788.33	618.53	0.43
14325.57	789.78	0.46
1281.27	194.99	0.14
3409.61	241.91	0.29
4696.96	402.73	0.34
9601.23	567.89	0.37
11282.28	698.05	0.39
15338.04	880.82	0.41
958.09	181.17	0.21
2932.5	247.31	0.35
4229.78	404.24	0.39
9192.79	574.8	0.41
10879.39	692.51	0.42
14919.95	876.31	0.44
911.38	167.24	0.22
2817.02	250.61	0.37

4132.84	366.34	0.4
8784.1	545.87	0.42
10375.3	655.78	0.43
13989.29	844.57	0.46
1087.04	269.27	0.21
4096.8	375.61	0.27
5923.78	436.3	0.29
11014.72	561.23	0.31
12635.7	669.27	0.32
16270.85	873.93	0.35
761.19	246.94	0.35
3802.05	357.09	0.31
5472.06	393.55	0.32
10163.08	787.57	0.36
12511.01	820.48	0.36
16701.41	855.97	0.36
820.09	153.09	0.25
2826.55	304.27	0.4
4209.76	338.29	0.42
8234.38	549.02	0.46
9794.68	678.96	0.48
13466.73	800.23	0.49
825.59	145.05	0.24
2695.16	299.9	0.43
4059.15	336.66	0.45
7951.45	524.04	0.49
9426.05	655.14	0.51
12878.71	741.48	0.52
1554.23	176.08	0.1
3553.82	294.46	0.28
4880.56	338.69	0.33
8883.75	561.81	0.4
10402.87	699.15	0.42
14045.15	790.54	0.44
741.23	272.8	0.38
3261.44	342.91	0.39
4783.25	370.35	0.39
9162.23	602.96	0.41
10814.92	710.88	0.42
14518.89	808.51	0.44

965.33	397.93	0.34
4563.83	433.98	0.32
6512.97	456.57	0.33
11681.92	613.59	0.35
13277.49	658.31	0.37
16568.92	734.06	0.4
904.14	359.43	0.35
4254.85	396.39	0.33
6051.84	430.63	0.34
10866.73	552.33	0.37
12232.62	581.87	0.39
15071.63	686.62	0.43
697.24	313.81	0.41
3975.42	399.68	0.37
5784.72	431.17	0.38
10516.38	544.16	0.41
11839.12	584.36	0.43
14625.89	736.15	0.49
656.69	187.51	0.36
3383.02	372.54	0.44
5141.56	435.64	0.45
10451.4	675.03	0.46
12185.69	761.32	0.47
15877.21	910.39	0.5
751.51	161.68	0.28
3517.56	394.34	0.42
5346.56	429.1	0.42
10209.44	572.52	0.44
11550.06	651.06	0.47
14408.88	749.17	0.52
691.03	174.36	0.33
3315.77	362.29	0.43
5034.97	406.93	0.43
9877.07	626.68	0.45
11348.83	703.22	0.47
14271.96	758.57	0.51
647.41	259.75	0.44
3288.44	328.65	0.41
4911.02	392.03	0.41
10010.97	777.63	0.44
11825.13	815.96	0.45

15164.86	832.37	0.47
607.02	197.66	0.43
2995.04	314.34	0.42
4553.55	368.92	0.42
9321.4	723.69	0.46
10927.99	805.78	0.48
14275.16	902.74	0.51
661.46	197.74	0.38
3532.99	345.38	0.35
5257.57	399.36	0.36
10744.34	897.07	0.41
12796.37	963.29	0.42
16692.03	996.06	0.44
603.88	135.93	0.37
3283.75	348.91	0.39
5027.3	397.57	0.39
9689.2	812.18	0.47
11557.41	919.66	0.49
15257.25	945.07	0.51
685.33	168.6	0.32
3630.88	364.55	0.36
5526.4	437.71	0.37
10811.37	890.18	0.45
12792.91	907.99	0.45
16383.97	936.05	0.48
714.78	161.86	0.31
3349.74	351.21	0.37
5149.44	422.97	0.38
11294.21	960.39	0.42
13457.31	1029.71	0.43
17695.5	1122.89	0.45
817.03	161.17	0.26
3286.15	344.92	0.34
5126.9	424.72	0.35
11887.43	1070.14	0.38
14422.99	1193.48	0.38
19345.99	1332.29	0.41
727.72	145.39	0.29
2682.84	260.38	0.41
4016.06	343.16	0.44

10716.87	1144.77	0.44
13609.33	1323.34	0.44
19195.55	1362.36	0.44
1401.11	192.36	0.12
3690.66	286.9	0.26
5059.55	357.61	0.3
11127.98	1127.93	0.36
13726.42	1242.22	0.38
18619.8	1258.54	0.4
1202.28	186.21	0.15
3305.34	255.94	0.3
4500.52	300.25	0.34
8659.54	939.66	0.44
10480.26	1125.86	0.47
14789.78	1203.64	0.5
1284.35	182.67	0.14
3159.66	221.59	0.3
4179.6	305.27	0.35
8211.18	872.54	0.45
10350.81	1294.82	0.48
15598.88	1382.45	0.49
1396.04	202.62	0.13
3422.67	253.87	0.28
4555.19	291.64	0.33
8834.16	1254.56	0.42
11354.2	1378.14	0.44
16680.13	1394.14	0.45
1298.22	202.28	0.14
3464.21	306.55	0.29
4956.14	411.85	0.33
9979.63	1415.12	0.42
12757.49	1454.18	0.43
18570.36	1565.95	0.44
1015.34	238.22	0.22
4289.82	435.91	0.29
6155.02	455.89	0.31
12021.06	1336.24	0.36
14732.43	1522.42	0.38
20393.44	1618.74	0.42
542.75	227.61	0.62

3960.29	497.08	0.37
6206.92	535.99	0.35
12715.79	1072.76	0.39
14775.45	1154.35	0.4
19207.99	1358.8	0.43
991.6	281.08	0.29
4816.56	425.03	0.26
6774.04	477.48	0.28
11995.77	941.07	0.37
13546	1092.26	0.4
17533.51	1268.75	0.44
1023.6	164.98	0.19
3260.86	296.34	0.32
4631.27	414.49	0.37
10215.68	1160.26	0.45
12222.17	1226.54	0.47
16863.8	1330.78	0.48
1054.9	184.09	0.18
3522.8	321.03	0.31
4922.14	401.24	0.35
11179.08	1214.12	0.43
13273.83	1243.2	0.44
17891.96	1313.94	0.45
797.75	153.6	0.26
2981.68	373.38	0.39
4744.68	521.06	0.41
12289.64	1281.75	0.42
14555.15	1300.24	0.42
19419.31	1334.17	0.42
1035.84	153.71	0.18
3269.23	363.63	0.35
4905.07	457.67	0.38
12504.08	1343.89	0.42
15011.59	1369.87	0.41
20333.99	1416.74	0.41
1094.73	199.77	0.18
3398.22	336.62	0.33
4756.75	390.02	0.38
11344.81	1357.57	0.43
13940.36	1383.62	0.43
19460.12	1421.2	0.42

876.12	262.24	0.29
3532.43	357.92	0.33
5003.68	456.55	0.36
11737.83	1350.34	0.4
14353.51	1371.99	0.4
19892.35	1415.73	0.39
566.04	254.03	0.56
3517.33	403.09	0.34
5170.5	536.93	0.36
12571.05	1351.21	0.38
15243.3	1430.33	0.38
21145.42	1473.17	0.36
615.15	142.52	0.37
3715.66	483.88	0.36
5702.29	621.29	0.37
13918.07	1367.04	0.39
16676.25	1412.97	0.38
22644.34	1473.74	0.37
638.36	120.21	0.32
2332.38	458.55	0.49
4222.27	507.23	0.48
11904.67	1228.54	0.44
14467.65	1351.66	0.44
20642.88	1431.11	0.41
667.52	108.82	0.29
1815.61	262.68	0.61
3220.71	483.32	0.64
11526.5	1132.94	0.46
13952.2	1222.26	0.46
19741.2	1336.8	0.43
1374.97	164.08	0.11
3072.47	450.79	0.35
4828.73	531.94	0.4
12695.35	1049.74	0.4
14835.83	1076.49	0.4
19435.24	1294.36	0.44
1944.34	201.13	0.08
3951.93	410.96	0.25
5640.47	520.92	0.3
11979.78	890.51	0.35

13641.74	980.35	0.38
17448.52	1187.6	0.43
2110.14	204.28	0.07
4172.97	359.85	0.23
5646.59	508.7	0.3
11157.4	934.08	0.38
12782.13	1024.17	0.41
16689.26	1174.97	0.45
1062.51	212.34	0.2
3147.75	416.36	0.42
4693.85	513.98	0.47
10832.66	1010.87	0.48
12685.46	1125.39	0.5
17248.84	1358.36	0.52
610.3	252.41	0.48
3468.71	456.14	0.48
5103.3	544.37	0.5
11716.19	1019.95	0.49
13761.37	1278.42	0.5
19040.44	1498.07	0.52
582.32	218.02	0.43
3463.41	480.04	0.46
5185.44	524.82	0.46
11718.58	1156.81	0.46
13795.6	1262.9	0.47
18724.65	1451.9	0.5
873.12	231.15	0.31
3549.72	452.93	0.44
5151.11	500.31	0.46
12186.25	1286.24	0.45
13970.43	1380.02	0.5
19697.47	1410.55	0.47
822.27	235.28	0.35
3491.67	431.36	0.46
5046.55	480.03	0.47
11235.08	1354.97	0.54
13959.9	1372.85	0.51
19965.38	1413.34	0.46
971.5	261.72	0.28
3579.16	427.73	0.44

5124.72	474.69	0.46
11727.35	1315.03	0.51
14484.93	1369.56	0.49
20739.62	1425.34	0.44
651.34	247.66	0.53
3139.76	430.87	0.52
4806.31	497.26	0.5
12021.38	1304.08	0.49
14856.76	1375.04	0.47
21270.04	1424.19	0.42
491.72	159.1	0.55
2850.24	405.15	0.51
4524.05	473.04	0.48
11989.2	1264.89	0.44
14783.15	1416.84	0.43
21703.32	1489.72	0.39
676.47	217.63	0.38
3378.95	453.5	0.43
5309.18	508.32	0.41
13111.46	1461.4	0.41
16383.41	1559.97	0.4
24451.26	1710.72	0.37
585.15	195.48	0.46
3326.73	435.31	0.43
5208.27	480.52	0.41
12808.98	1425.16	0.42
16141.02	1584.51	0.41
25002.19	1859.47	0.36
512.55	163.97	0.52
3150.13	424.04	0.46
5074.05	510.16	0.43
12572.95	1554.24	0.46
16847.73	1753.29	0.42
26388.28	1866.39	0.35
687.16	167.63	0.34
3311.39	420.77	0.41
5506.76	571.63	0.39
14994.41	1576.28	0.38
18985.18	1727.69	0.37
28365.65	1852.58	0.33

712.23	187.82	0.34
3789.45	473.55	0.36
6164.99	614.07	0.35
16329.69	1504.98	0.34
20095.59	1600.91	0.33
28778.11	1735.88	0.31
949.46	215.5	0.23
4126.06	454.94	0.31
6574.62	643.34	0.32
16548.15	1433.87	0.32
20164.26	1503.66	0.32
28059.45	1547.93	0.3
821.31	252.35	0.28
4277.37	462.99	0.33
6576.4	585.54	0.33
15233.23	1268.37	0.35
18409.79	1316.15	0.34
25341.13	1349.71	0.32
960.11	193.69	0.22
3691.8	398.25	0.33
5593.9	462.61	0.34
12829.86	1169.54	0.37
15740.93	1191.28	0.37
22070.42	1233.49	0.35
1156.14	217.62	0.18
3596.74	353.32	0.31
5333.94	436.52	0.33
12023.57	1022	0.35
14547.72	1041.07	0.35
20027.49	1080.2	0.35
1276.68	212.12	0.15
3634.08	365.37	0.3
5338.44	415.71	0.32
11696.13	954.85	0.35
14030.82	980.82	0.35
19180.29	1019.64	0.35
1183.73	210.09	0.17
3338.1	335.6	0.33
4959.15	414.27	0.35
11543.31	984.23	0.37
13979.52	1024.64	0.37

19427.93	1073.47	0.37
1184.61	223.34	0.17
3247.87	300.25	0.33
4686.94	408.41	0.35
11336.88	960.03	0.37
13696.43	991.88	0.37
18976.68	1051.23	0.37
1235.33	241.26	0.17
3485.57	336.04	0.31
5084.92	411.55	0.33
12057.67	956.29	0.34
14404.15	988.1	0.34
19597.84	1025.41	0.34
977.4	291.19	0.26
3496.42	359.44	0.33
5234.66	442.18	0.33
12529.52	946.22	0.32
14843.86	969.59	0.33
19917.38	1000.08	0.33
866.16	311.75	0.33
3810.63	419.75	0.32
5801.14	484.59	0.31
12990.89	917.96	0.31
15227.48	938.69	0.31
20136.6	970.06	0.32
335.58	169.96	1
4463.43	523.82	0.28
7033.74	591.82	0.26
14024.98	831.67	0.27
16039.23	849.51	0.28
20462.26	881.64	0.29
1201.13	190.92	0.16
3765.28	372.19	0.27
5799.54	501.28	0.3
11905.14	786.64	0.35
13750.37	799.65	0.36
17822.13	826.07	0.38
750.18	151.72	0.28
2934.75	298.64	0.38
4556.03	464.46	0.41

9879.12	778.87	0.44
11763.55	857.88	0.45
16488.38	909.67	0.44
758.14	187.55	0.3
3551.39	386.28	0.37
5439.5	481.98	0.38
12362.81	986.19	0.39
14724.21	1000.41	0.39
20251.07	1025.84	0.37
773.82	181.47	0.3
3580.42	371.61	0.38
5318.15	448.78	0.4
12168.91	1031.56	0.42
14742.21	1048.42	0.41
20725.45	1084.45	0.38
727.13	235.24	0.42
4037.68	391.14	0.36
5795.95	435.18	0.37
12946.79	1079.82	0.41
15726.18	1137.11	0.4
22637.14	1273.58	0.38
555.98	207.75	0.52
4204.16	437.41	0.36
6217.38	495.75	0.37
15315.95	1253.77	0.36
18543.86	1309.02	0.35
26256.45	1386.59	0.32
623.02	108.14	0.3
4155.11	460.47	0.36
6363.15	554.16	0.36
16008.93	1396.05	0.35
19708.94	1437.13	0.34
28323.36	1513.77	0.3
1030.23	127.39	0.16
3597.79	482.29	0.35
5876.52	572.39	0.36
15781.35	1423.51	0.35
19731.46	1446.71	0.33
28678.88	1572.37	0.3
967.17	125.95	0.18

2932.41	531.77	0.43
5682.43	619.73	0.4
15823.08	1414.37	0.35
19817.81	1441.41	0.33
28863.35	1578.32	0.3
1005.5	168.16	0.2
3261.83	496.75	0.42
6642.95	766.81	0.38
18080.96	1323.55	0.3
21801.93	1356.51	0.29
30307.35	1489.84	0.27
919.76	201.93	0.28
3623.81	450.31	0.43
6652.26	782.03	0.42
17484.84	1220.57	0.32
20942.32	1255.63	0.3
28833.21	1491.76	0.29
1070.34	124.16	0.15
2865.09	326.37	0.41
5014.64	673.63	0.45
16166.09	1410.6	0.34
20493.46	1459	0.31
30359.23	1715.18	0.28
540.63	249.05	0.63
3784.13	497.02	0.45
6491.7	600.7	0.4
17890.02	1261.44	0.32
21856.54	1372.86	0.3
31042.99	1569.37	0.27
598.85	284.19	0.55
5694.93	659.54	0.29
9233.83	743.34	0.25
22320.57	1370.1	0.22
26502.86	1427.82	0.21
36040.45	1631.4	0.21
689.67	191.72	0.43
4060.49	393.44	0.35
6090.99	432.83	0.34
15521.72	1072.25	0.33
18875.9	1099.04	0.3
26224.08	1231.98	0.28

1046.03	199.48	0.17
3838.6	322.38	0.31
5475.03	349.48	0.33
12294.6	899.64	0.38
15304.76	916.44	0.35
21444.38	975.5	0.33
647.22	237.23	0.37
3513.43	338.45	0.37
5256.84	363.69	0.36
12024.18	850.97	0.38
14887.82	868.71	0.35
20710.76	930.79	0.33
451.93	162.41	0.62
3911.01	391.08	0.33
6017.82	434.17	0.31
13693.5	903.52	0.31
16773.35	929.38	0.3
23130.74	1047.53	0.29
650.13	180.41	0.38
4939.84	526.98	0.24
7922.67	614.36	0.23
15928.16	788.02	0.23
18620.67	837.16	0.23
24359.78	938.94	0.24
1012.7	122.03	0.16
4051.19	503.49	0.27
6880.68	554.01	0.26
14044.02	717.31	0.27
16499.56	760.63	0.27
21690.75	841.82	0.27
693.48	118.16	0.28
3184.74	443.93	0.34
5732.59	496.94	0.32
12841.67	713.07	0.3
15326.58	772.58	0.3
21098.31	997.53	0.31
870.14	122.43	0.2
3238.98	380.66	0.32
5590.12	486.58	0.31
12876.03	693.99	0.3

15258.06	721.27	0.29
20137.89	791.05	0.3
702	113.95	0.27
3259.89	371.68	0.35
5408	439.82	0.34
12292.95	672.36	0.32
14617.7	693.29	0.31
19264.3	747.88	0.31
1033.36	142.01	0.17
4047.98	364.52	0.26
6242.27	457.31	0.27
12917.21	651.34	0.29
15151.71	667.62	0.28
19629.83	719.47	0.29
570.17	145.11	0.42
3094.52	294.11	0.36
4879.01	393.99	0.36
11188.82	603.57	0.34
13289.49	622.88	0.33
17439.16	662.35	0.34
623.85	139.63	0.36
3025.87	274.95	0.35
4693.23	342.24	0.36
10332.87	568.89	0.36
12336.28	590.95	0.36
16272.02	628.29	0.36
556.34	126.38	0.4
3104.1	271.15	0.35
4714.01	340.62	0.36
10357.65	553.13	0.36
12315.93	577.19	0.36
16175.79	619.27	0.36
979.65	152.84	0.19
3648.74	260.87	0.26
5254.41	339.71	0.29
10855.93	549.3	0.32
12795.15	577.12	0.32
16640.44	619.12	0.33
708.9	130.12	0.28
3289.26	261.22	0.31

4901.55	348.06	0.33
10289.42	558.41	0.35
12293.51	582.81	0.35
16209.44	629.48	0.36
914.98	154.15	0.21
3539.34	260.18	0.28
5139.23	342.46	0.3
10575.37	575.19	0.33
12659.74	608.97	0.33
16761.86	663.17	0.34
890.72	154.55	0.22
3602.68	274.03	0.28
5260.21	350.31	0.3
10669.72	620.74	0.34
13021.63	729.27	0.34
18618.6	921.92	0.33
830.43	157.31	0.25
3590.68	283.77	0.28
5207.79	332.92	0.3
10580.76	710.01	0.35
13445.35	831.43	0.34
19646.5	1002.39	0.32
1086.83	161.53	0.17
3898.01	266.7	0.24
5385.3	321.86	0.27
10543.15	612.36	0.32
12894.69	705.52	0.32
17892.86	837.71	0.32
799.55	130.91	0.24
3408.38	289.4	0.31
5043.87	349.93	0.33
10035.49	595.64	0.38
12407.02	696.03	0.37
17957.61	1045.65	0.38
823.7	128.26	0.22
3367.38	275.14	0.32
4882.11	331.19	0.35
9588.24	528.86	0.39
11750.42	685.49	0.4
17018.85	942.2	0.4

679.26	98.67	0.26
2862.65	275.47	0.39
4386.93	335.82	0.41
9552.85	591.12	0.43
12050.49	692.87	0.41
17313.34	918.32	0.4
743.2	110.76	0.23
3332.72	341.6	0.36
5259.72	407.57	0.36
11255.7	652.73	0.37
13964.92	781.67	0.36
20009.15	987.21	0.35
743.32	139.4	0.26
3410.01	384.36	0.37
5628.36	444.37	0.35
12035.12	689.26	0.36
14878.98	791.91	0.35
20963.45	989.9	0.34
1381.78	199.86	0.12
4640.92	392.67	0.23
7223.66	540.94	0.25
14636.13	768.45	0.27
17778.51	868.21	0.26
24356.8	1054.59	0.27
1316.33	182.42	0.12
4189.31	327.2	0.26
6204.88	491.84	0.3
12887.8	696.36	0.32
15810.89	776.76	0.31
21716.99	944.92	0.31
1523.19	163.98	0.1
4128.39	306.44	0.24
5805.88	371.52	0.27
11016.83	588.69	0.32
13475.75	680.09	0.32
18511.32	849.3	0.33
777.18	145.05	0.24
2973.06	260.19	0.44
4217.26	294	0.48
7413.05	397.58	0.59
8771.65	493.85	0.62

12318.95	627.62	0.63
1169.23	177.33	0.17
3122.84	248.56	0.42
4233.1	306.86	0.51
7610.04	404.04	0.6
8887.24	445.7	0.62
11747.69	584.7	0.68
1335.73	211.41	0.17
3592.96	311.48	0.4
4924.2	362.93	0.47
8766.83	477.77	0.55
10282.18	523.7	0.56
13564.98	669.58	0.6
882.21	229.55	0.28
3365.4	349.56	0.4
4811.83	401.93	0.43
9255.22	537.48	0.46
10978.05	561.21	0.45
14257.82	633.25	0.47
908.14	234.23	0.26
3513.02	378.62	0.38
5100.77	433.92	0.4
9877.83	560.02	0.42
11721.2	595.96	0.41
15326.38	691.69	0.43
657.12	207.72	0.4
3223.29	381.05	0.43
4812.75	409.71	0.42
9190.8	504.49	0.43
10854.88	556.12	0.43
14344.73	688.53	0.45
474.59	172.13	0.58
2758.94	371.98	0.5
4454.05	406.78	0.46
8912.31	492.94	0.44
10552.2	558.96	0.44
13928.55	701.77	0.47
496.35	171.71	0.56
2958.61	329.1	0.42
4550.04	390.37	0.42

8879.93	485.95	0.43
10513.6	554.93	0.43
13819.25	702.13	0.46
758.92	172.31	0.29
3133.94	302.45	0.36
4631.22	374.69	0.39
8779.59	494.32	0.42
10537.98	622.51	0.43
15214.97	956.26	0.45
765.46	173.55	0.3
3168.24	310.33	0.37
4639.05	411.02	0.4
10563.57	661.71	0.41
12812.1	695.09	0.4
16767.97	751.08	0.42
868.1	167.88	0.23
3121.45	319.24	0.36
4566.49	374.56	0.4
8774.93	590.85	0.44
10930.67	784	0.46
16244.55	966.22	0.43
677.73	159.95	0.33
3109.69	345.58	0.39
4716.08	422.02	0.41
9692.02	614.07	0.42
11803.03	698.69	0.42
16332.96	828.92	0.41
761.52	156.21	0.27
3131.69	314.72	0.38
4633.77	421.41	0.42
9911.93	634.79	0.43
12082.05	730.47	0.42
16972.57	863.52	0.41
663.22	166.39	0.32
3456.65	397.77	0.38
5235.56	474.02	0.4
10935.11	655.61	0.39
13193.81	704.03	0.38
17738.77	800.71	0.38
425.43	108.63	0.56

2499.12	347.81	0.54
4194.23	401.71	0.5
9536.87	607.54	0.46
11776.34	674.29	0.44
16349.22	777.97	0.42
283.3	86.53	0.93
1939.72	284.05	0.65
3524.25	377.84	0.59
8784.41	562.75	0.49
10941.75	621.48	0.47
15216.49	740.82	0.46
686.57	107.82	0.27
2554.98	268.92	0.44
4027.76	333.14	0.44
8847.86	522.73	0.45
10688.97	597.56	0.45
14798.67	761.3	0.45
645.52	112.83	0.31
2833.57	328.79	0.42
4788.99	448.63	0.41
11165.24	655.1	0.37
13524.93	746.46	0.36
19029.4	1035.8	0.37
510.14	140.56	0.48
2885.74	290.64	0.41
4567.5	368.73	0.4
9929.82	580.01	0.39
11997.71	684.7	0.38
17008.88	919.86	0.38
582.45	125.07	0.38
2676.14	270.19	0.41
4283.78	339.47	0.4
9621.36	583.64	0.39
11727.19	666.3	0.38
16817.28	1043.46	0.38
439.29	102.11	0.52
2413.31	233.76	0.47
3683.02	286.99	0.47
7718.19	459.96	0.48
9338.36	557.69	0.48
13758.62	917.04	0.48

576.75	105.76	0.35
2635.75	252.11	0.41
4005.23	287.92	0.42
7670.55	420.79	0.46
9139.38	548.23	0.48
13580.85	868.37	0.48
777.8	139.46	0.25
3005.85	253.99	0.34
4406.05	296.1	0.37
8103.79	395.03	0.42
9517.67	600.55	0.44
14348.96	949.7	0.45
817.37	133.89	0.23
2995.84	251.33	0.34
4363.43	293.15	0.36
8812.32	624.38	0.41
10972.01	728.19	0.42
15967.56	875.58	0.42
1013.01	149.31	0.18
3266.26	252.84	0.3
4628.92	289.86	0.33
9486.73	621.52	0.38
11581.99	682.33	0.39
16281.73	802.59	0.39
897.92	136.92	0.2
3019.11	251.2	0.34
4367.16	291.38	0.37
9075.9	579.46	0.41
11024.93	659.09	0.42
15644.41	745.17	0.41
941.24	137.82	0.19
3093.51	254.47	0.33
4447.09	342.96	0.36
9555.54	586	0.4
11630.06	686.37	0.4
16208.3	734.31	0.39
1018.06	133.74	0.17
3238.85	299.33	0.32
4947.06	398.22	0.34
10949.98	648.96	0.36

13133.32	682.78	0.36
17661.96	726.48	0.35
1052.23	148.96	0.16
4055.56	419.77	0.29
6297.17	464.76	0.3
12302.05	573.25	0.31
14220.09	632.52	0.32
18591.08	739.57	0.33
951.34	153.93	0.2
3385.59	340.03	0.35
5263.46	406.75	0.36
10500.82	528.99	0.37
12241.4	588.69	0.38
16329.96	714.79	0.39
535.88	201.08	0.56
3394.12	325.18	0.39
5219.02	398.15	0.38
10665.7	574.08	0.39
12564.18	601.57	0.38
16622.71	746.51	0.4
453.27	155.66	0.56
3286.95	281.72	0.37
4858.51	366.09	0.4
9854.33	520.87	0.41
11571.42	570.5	0.42
15376.32	700.81	0.43
887.49	164.59	0.23
3846.21	337.08	0.31
5647.75	388.98	0.33
11117.78	573.71	0.36
13015.01	611.23	0.36
17080.22	790.59	0.39
701.43	124.73	0.27
3468.29	335.45	0.34
5229.75	365.13	0.35
10408.19	546.88	0.38
12209.21	576.12	0.38
16068.99	774.57	0.42
600.09	97.6	0.31
2543.45	267.28	0.47

4021.57	332.37	0.48
8707.71	485.89	0.48
10321.08	525.62	0.48
13690.69	639.51	0.5
710.43	105.95	0.25
2365.23	243.56	0.46
3650.34	297.35	0.48
7853.08	469.74	0.51
9481.08	505.91	0.5
12796.16	571.33	0.5
1126.49	124.93	0.14
3339.42	273.87	0.31
4752.39	335.35	0.35
9317.02	534.97	0.4
11209.54	579.6	0.4
15029.88	698.74	0.41
1074.41	134.59	0.15
3093.5	260.35	0.33
4398.17	320.44	0.38
8585.46	485.16	0.43
10254.44	537.22	0.44
13852.08	653.39	0.45
1048.63	154.56	0.17
3181.82	258.89	0.32
4436.96	309.45	0.37
8556.73	454.74	0.41
10074.87	496.5	0.42
13655.77	724.73	0.45
919.27	193.31	0.23
3395.76	305.21	0.33
4879.45	350.8	0.35
9632.74	507.56	0.38
11371.36	556.29	0.38
14966.12	684.58	0.4
889.63	208.22	0.26
3447.84	312.31	0.32
4966.54	359.19	0.34
9808.66	539.13	0.36
11711.71	612.17	0.36
15553.58	688.1	0.37

917.96	206.55	0.24
3440.38	297.86	0.32
4841.1	329.1	0.35
9464.43	516.07	0.37
11273.18	575.76	0.37
15060.67	695.84	0.39
857.48	223.22	0.27
3796	348.09	0.31
5449.09	385.68	0.33
10505.87	545.03	0.35
12434	619.79	0.35
16406.85	721.77	0.36
465.04	150.62	0.57
3059.78	332.73	0.42
4650.43	358.68	0.41
9170.3	518.61	0.42
11045.34	594.52	0.42
14961.67	715.38	0.42
735.6	194.6	0.31
3612.43	321.07	0.33
5157.58	356.91	0.34
9790.49	537.28	0.38
11698.6	582.48	0.38
15417.77	678.12	0.39
578.37	175.68	0.43
3359.99	312.9	0.36
4882.73	356.29	0.37
9637.92	536.83	0.39
11587.61	594.3	0.39
15410.86	690.02	0.4
608.47	145.42	0.37
3112.65	309.93	0.38
4646.6	358.51	0.39
9238.73	550.99	0.42
11312.24	632.23	0.42
15540.58	741.37	0.41
704.62	151.83	0.31
3056.5	297.68	0.36
4578.76	368.09	0.38
9256.44	551.45	0.41
11426	675.8	0.41

16043.53	803.19	0.4
711.19	134.53	0.29
2831.73	269.67	0.38
4246.18	363.04	0.41
8896.17	518.46	0.43
10964.32	699.38	0.44
16040.28	858.54	0.42
883.85	135.38	0.2
3009.37	260.36	0.35
4365.11	360.91	0.4
8982.38	500.47	0.42
10879.42	720.57	0.44
16287.38	879.52	0.41
885.75	130.18	0.2
3025.19	313.1	0.37
4495.13	366.09	0.4
9295.25	548.17	0.42
11390.29	773.6	0.45
17360.96	954.07	0.41
542.03	130.9	0.43
3036.28	350.71	0.42
4776.02	445.14	0.42
11342.38	757.25	0.39
13997.73	989.11	0.4
22461.45	1454.14	0.36
540.93	120.51	0.41
2794.15	387.78	0.46
4942.28	528.18	0.43
13826.25	1037.98	0.35
17654.84	1467.58	0.36
29117.78	1690.42	0.28
453.03	125.72	0.55
3156.78	436.86	0.43
5625.36	578.65	0.39
15310.63	1071.71	0.32
18835	1134.14	0.31
27662.13	1385.75	0.28
657.97	153.55	0.35
3415.9	356.52	0.34
5292.81	461.97	0.35

12951.95	804.35	0.33
15531.6	856.33	0.33
22179.76	1083.43	0.32
646.81	139.22	0.32
3292.2	314.38	0.37
5042.37	459.38	0.4
11617.03	674.62	0.38
13774.06	724.27	0.38
19355.86	922.34	0.37
708.83	108.11	0.26
2699.75	267.14	0.42
3968.69	310.33	0.45
8390.6	535.08	0.49
10134.51	577.23	0.49
14595.14	755.17	0.48
917.52	129.95	0.19
3062.06	285.66	0.35
4403.14	326.49	0.39
8349.06	461.52	0.45
9857.7	509.87	0.45
13388.6	706.84	0.48
840.74	127.07	0.21
3062	290.17	0.37
4422.53	327.28	0.4
8165.43	401.34	0.45
9403.46	462.4	0.48
12412.87	653.83	0.53
930.71	133.9	0.19
3266.86	285.92	0.34
4578.99	320.08	0.38
8241.11	389.7	0.43
9409.02	425.21	0.45
12115.7	607.39	0.52
740.67	130.22	0.26
3155.77	295.93	0.38
4515.81	335.26	0.41
8358.17	399.95	0.44
9547.93	424.34	0.46
12378.02	599.31	0.52
804.17	139.49	0.23

3312.31	305.32	0.37
4654.4	333.55	0.41
8266.9	398.49	0.48
9293.67	442.22	0.52
12030.84	540.72	0.56
1017.25	188.15	0.18
3367.46	296.39	0.34
4670.51	330.34	0.38
8275.22	417.23	0.46
9363.57	475.31	0.5
12093.53	547.44	0.53
1071.8	170.58	0.17
3254.2	292.29	0.33
4555.88	337.14	0.38
8174.95	421.05	0.45
9261.39	457.26	0.48
11991.57	543.27	0.52
1125.89	182.55	0.16
3434.05	294.23	0.32
4721.79	337.81	0.37
8429.3	425.73	0.45
9514.77	465.77	0.48
12222.83	541.9	0.52
1095.65	182.43	0.17
3313.63	283.75	0.33
4532.76	323.84	0.38
8184.49	438.38	0.45
9312.59	477.5	0.48
12105.65	547.36	0.51
1237.47	205.61	0.15
3602.29	306.93	0.3
4947.42	354.13	0.34
9018.91	484.76	0.41
10281.83	525.5	0.43
13501.76	638.04	0.46
990.16	206.17	0.22
3741.82	372.73	0.33
5330.68	406.65	0.35
9928.67	553.03	0.4
11399.44	598.6	0.42
14981.42	706.98	0.44

1164.75	210.04	0.17
3735.45	353.58	0.32
5264.44	412.45	0.36
9875.57	530.58	0.41
11244.11	568.89	0.43
14878.64	811.63	0.47
851.01	194.36	0.26
3359.81	371.3	0.38
5007.05	434.42	0.4
10318.19	665.34	0.42
12110.79	745.98	0.43
16741.39	900.1	0.43
769.75	193.74	0.29
3129.92	336.43	0.41
4597.42	407.73	0.43
10182.15	797.16	0.45
12551.1	912.64	0.45
18843.19	1243.36	0.42
803.57	190.48	0.28
3086.33	337.39	0.4
4602.49	440.75	0.43
12636.3	1148.11	0.4
15996.84	1184.99	0.37
23242.3	1257.09	0.33
780.09	205.66	0.3
3297.27	416.5	0.39
5257.93	534.66	0.39
12448.58	837.98	0.37
14784.08	857.55	0.36
19795.4	909.58	0.35
839.41	202.66	0.27
3177.95	409.44	0.39
5396.98	683.09	0.39
13835.77	864.75	0.32
16250.6	891.97	0.32
21466.85	942.49	0.32
289.46	110.28	1.01
2476.06	370.29	0.61
4510.92	492.14	0.52
11846.29	946.62	0.44

14721.95	971.07	0.41
20672.65	1022.14	0.38
799.57	113.34	0.22
3281.07	408.74	0.4
5516.68	520.67	0.39
13366.75	836.2	0.35
15864.05	864.77	0.35
21152.1	931.22	0.34
507.39	116.47	0.44
2817.91	321.39	0.47
4618.16	445.81	0.45
11240.63	723.12	0.39
13462.22	793.98	0.39
18469.48	880.79	0.38
268.5	87.84	1
2495.29	296.17	0.54
4355.97	436.75	0.5
11214.68	855.35	0.42
13913.53	898.9	0.41
19750.12	1013.79	0.38
960.04	111.51	0.16
3153.72	265.73	0.33
4751.79	407.85	0.37
11302.89	715.26	0.37
13550.59	772.54	0.37
18416.19	860.57	0.36
966.57	118.19	0.17
2970.92	238.6	0.35
4468.52	373.28	0.39
10680.05	650.09	0.39
12675.7	683.65	0.39
16999.35	798.81	0.4
1314.56	131.78	0.11
3296.65	248.07	0.28
4648.49	336.33	0.34
10099.55	611.39	0.38
11934.68	647.82	0.38
15949.66	747.6	0.4
1160.53	149.14	0.14
3345.28	244.33	0.3

4653.4	335.79	0.35
10250.25	617.52	0.38
12101.83	647.66	0.39
16119.05	750.61	0.4
760.03	162.99	0.29
3069.56	264.23	0.38
4451.63	339.45	0.41
9975.34	596.84	0.41
11778.51	635.11	0.42
15723.77	738.33	0.43
540.42	116.75	0.39
2963.63	292.58	0.42
4467.53	355.07	0.43
9958.3	597.82	0.43
11772.44	630.66	0.42
15691.68	711.67	0.43
700.08	138.54	0.29
3033.09	290.62	0.39
4505.76	331.84	0.41
9307.36	554.81	0.44
10971.41	593.12	0.44
14607.63	688.39	0.45
654.57	123.92	0.3
2833.58	271.77	0.41
4164.9	298.22	0.43
8515.69	515.41	0.47
10043.15	558.97	0.48
13449.3	641.78	0.49
867.04	113.31	0.19
2932.23	270.04	0.38
4279.99	312	0.41
8350.86	520.22	0.48
9926.09	550.62	0.48
13265.28	635.55	0.49
1131.88	150.49	0.14
3399.5	271.86	0.31
4719.18	306.68	0.35
8529.25	514.7	0.44
10088.69	561.21	0.45
13463.93	618.75	0.46

989.95	162.43	0.18
3341.78	285.16	0.34
4710.62	319.3	0.37
8705.49	493.2	0.45
10147.86	570.29	0.47
13570.28	624.48	0.47
1096.11	161.8	0.16
3449.52	287.04	0.32
4802.36	318.29	0.36
8833.45	504.34	0.44
10303.37	568.33	0.45
13779.61	634.8	0.46
971.22	180.21	0.2
3544.7	320.59	0.33
5078.42	358.99	0.35
9933.12	670.96	0.41
12015.38	756.23	0.41
16879.09	861.19	0.4
983.25	190.97	0.2
3875.97	348.83	0.31
5538.92	382.37	0.33
10244.2	565.18	0.38
11912.54	599.65	0.39
15884.84	765.29	0.4
832.48	163.43	0.24
3532.1	336.07	0.35
5132.87	368.59	0.36
9569.27	535.72	0.41
11115.07	589.79	0.42
14737.24	670.52	0.43
743.62	178.51	0.29
3438.85	348.35	0.37
5126.96	382.94	0.37
9667.88	523.97	0.4
11211.83	598.49	0.42
14912.64	713.84	0.43
713.67	186.62	0.33
3327.87	339.33	0.38
5007.12	378.25	0.38
9532.15	497.38	0.4
10926.51	588.3	0.43

14686.82	768.09	0.45
310.43	131.82	1
3130.38	330.7	0.41
4808.06	368.61	0.39
9171.37	499.01	0.41
10619.86	580.45	0.43
13981.44	730.96	0.48
605.08	115.33	0.34
3540.68	333.89	0.33
5263.74	380.25	0.34
9938.33	540.59	0.38
11509.98	641.95	0.39
15284.57	789.55	0.43
878.65	119.98	0.2
3703.86	358.04	0.3
5533.81	391.14	0.31
10598.98	716.51	0.36
12633.04	819.26	0.37
17652.02	980.82	0.37
905.81	150.47	0.21
3154.42	254.02	0.32
4460.5	325.1	0.36
8864.35	598.64	0.42
10591.31	759.45	0.43
15066.41	957.97	0.46
1393	168.54	0.12
3622.01	239.51	0.25
4777.71	285.63	0.3
8820.02	576.81	0.38
10327.02	646.87	0.4
14012.88	836.67	0.43
1401.47	170.38	0.12
3685.44	262.06	0.25
4934.97	312.01	0.3
8770.58	526.09	0.39
10077.12	579.1	0.41
13341.37	776.24	0.44
1522.22	179.53	0.11
3978.64	290.41	0.24
5335.97	336.97	0.28

9418.19	524.08	0.35
10701.19	599.17	0.38
14215.22	850.78	0.41
1827.91	196.51	0.08
4293.85	281.44	0.21
5624.43	351.67	0.25
9628.84	558.55	0.34
10946.43	591.62	0.36
13977.14	699.59	0.4
1945.91	197.79	0.08
4391.94	278.67	0.2
5703.7	351.87	0.25
9674.73	535.13	0.34
10935.17	588.64	0.36
13994.48	725.95	0.4
1489	210.28	0.11
4235.22	317.23	0.24
5630.19	363.93	0.28
9599.16	557.23	0.37
10867.46	618.41	0.39
14010.55	730.38	0.43
1281.49	224.34	0.15
3956.56	326.85	0.27
5363.18	384.23	0.31
9423.82	601.74	0.4
10784.88	655.16	0.42
14097.99	773.9	0.45
1310.05	210.87	0.14
3836.63	331.3	0.28
5239.67	376.04	0.32
9165.64	592.43	0.41
10472.7	689.48	0.44
13775.67	835.87	0.47
1436.22	208.23	0.12
3836.05	305.86	0.27
5151.52	377.39	0.31
9090.97	627.36	0.41
10434.83	682.69	0.44
13393.16	888.66	0.49
1668.57	226.4	0.1

4350.79	318.69	0.23
5647.02	371.31	0.28
9976.03	755.92	0.38
11609.83	814.73	0.4
15370.33	944.64	0.43
1462.58	239.57	0.12
4019.48	326.29	0.27
5342.93	401.25	0.32
9461.33	743.03	0.43
11067.5	785.68	0.44
14730.84	893.14	0.46
1513.63	231.77	0.12
3879.44	321.69	0.28
5140.86	398.45	0.33
9126.07	728.77	0.45
10628.67	783.55	0.47
14337.19	883.04	0.48
1396.53	242.92	0.14
3734.09	320.95	0.3
4931.81	397.57	0.35
8902.3	773.49	0.47
10514.19	803.11	0.48
14304.17	877.54	0.48
1229.4	240.19	0.17
3620.01	349.36	0.32
4847.49	414.26	0.37
8784.51	716.72	0.48
10259.27	753.94	0.49
13852.07	825.45	0.49
1091.11	236.59	0.19
3499.44	402.01	0.36
4858.73	474.76	0.41
9105.19	718.27	0.5
10575.02	734.31	0.5
14046.76	771.03	0.5
1087.65	314.46	0.25
3795.33	457.4	0.39
5428.54	596.1	0.44
9722.67	688.46	0.5
11127	703.21	0.51
14469.2	734.39	0.5

862.01	303.65	0.36
3490.25	445.33	0.44
4985.05	589.61	0.48
9393.72	739.67	0.54
10964.41	763.19	0.54
14797.98	842.4	0.52
1288.23	234.16	0.15
3743.07	511	0.35
5383.15	650.4	0.39
10153	795.24	0.45
11882.84	820.01	0.45
16102.06	928.26	0.44
970.28	326.77	0.28
3433.17	449.51	0.38
4952.15	667.61	0.41
10214.17	1049.75	0.43
12714.86	1138.01	0.41
19078.22	1321.09	0.37
327.4	120.19	0.93
3510.24	591.16	0.49
5353.28	643.24	0.46
10081.2	835.23	0.48
12154.87	922.42	0.46
18778.95	1401.33	0.44
405.27	102.76	0.57
2392.68	425.87	0.63
4874.19	748.34	0.53
10687.33	802.31	0.46
12736.85	843.35	0.45
19518.5	1475.3	0.42
750.67	143.51	0.26
2494.64	325.99	0.52
3888.54	548.63	0.57
11905.31	1013.1	0.45
14848.54	1056.69	0.41
22339.13	1687.95	0.38
1457.8	217.42	0.11
3840.88	409.38	0.32
5831.26	796.53	0.38
15406.38	1236.22	0.36

19016.25	1249.14	0.34
27753.71	1904.11	0.32
803.69	197	0.32
3066.49	416.48	0.5
4983.05	707.04	0.5
16790.81	1572.78	0.37
21605.61	1612.62	0.33
33603.45	2471.64	0.28
361.48	193.76	1.07
3105.73	456.18	0.51
5063.82	625.5	0.47
15576.71	1373.11	0.35
19908.38	1400.54	0.31
31834	2991.72	0.26
1081.77	220.2	0.2
4351.1	509.23	0.32
6488.35	592.89	0.32
14469.76	1021	0.32
17792.65	1096.26	0.3
28544.29	2917.27	0.32
1810.4	189.12	0.08
4135.36	432.87	0.26
5881.42	517.73	0.3
11178.73	615.34	0.34
13038.57	727.76	0.36
17726.18	2177.98	0.39
2483.67	217.49	0.05
4619	340.36	0.2
5967.54	404.7	0.25
10308.72	556.28	0.32
11966.76	671.74	0.34
20790.6	2650.24	0.36
1705	227.35	0.1
3720.25	321.54	0.28
4905.65	380.28	0.34
9138.48	650.19	0.4
10815.7	978.93	0.42
20783.82	2465.14	0.39
571.43	261.17	0.54
2924.26	448.74	0.48

4463.66	595.27	0.46
12351.04	893.87	0.34
15086.66	1076.6	0.34
25026.5	2167.81	0.29
610.33	188.94	0.41
2846.41	356.95	0.47
4461.79	447.42	0.45
9688.57	706.56	0.44
11837.73	834.33	0.43
18382.47	1757.76	0.45
285.84	103.43	1
2486.78	326.51	0.53
4122.46	391.91	0.48
9174.06	668.91	0.46
11211.31	738.73	0.45
18299.91	1444.42	0.44
1323.01	159.74	0.12
3951.35	316.06	0.25
5444.8	378.95	0.29
10471.01	807.77	0.38
13044.68	907.79	0.38
19802.69	1110.08	0.35
2751.21	183.98	0.04
5121.78	252.79	0.15
6340.88	327.17	0.2
10115.82	534.47	0.31
11618.46	621.95	0.33
15926.48	878.6	0.37
877.11	146.34	0.21
2902.56	279.13	0.38
4184.83	389.52	0.44
8493.22	551.95	0.48
10165.4	585.09	0.47
14391.62	794.92	0.47
1139.14	155.37	0.14
3379.48	325.4	0.33
4766.93	435.99	0.39
9385.92	647.98	0.45
11437.99	719.66	0.45
16663.49	894.69	0.43

1425.4	190.48	0.12
3913.12	386.96	0.3
5469.04	459.46	0.34
10275.53	671.14	0.41
12425.47	759.96	0.41
17856.81	938.17	0.39
1180.66	169.45	0.15
3733.28	379.94	0.3
5207.92	458.98	0.35
9825.08	671.09	0.41
11933.23	736.19	0.41
17293.67	958.29	0.4
888.17	190.28	0.23
4655.56	535.86	0.3
6623.59	561.35	0.32
11804.76	662.63	0.36
13952.23	769.89	0.37
19502.06	978.23	0.36
610.72	172.51	0.4
3905.33	443.68	0.36
5530.89	496.07	0.38
10270.38	629.43	0.41
12315.08	694.9	0.4
17645.96	926	0.39
974.07	145.29	0.17
3832.93	430.15	0.35
5382.74	491.03	0.39
9971.07	598.15	0.43
11942.74	643.73	0.42
16942.8	905.45	0.42
701.02	178.22	0.34
3268.73	396.47	0.4
4574.74	439.61	0.44
8625.22	594.58	0.49
10762.58	706.79	0.47
16705.85	987.14	0.41
562.29	172.18	0.45
3651.14	434.89	0.39
5051.68	471.93	0.42
9340.21	590.52	0.46
11501.77	666.23	0.44

17251.05	977.54	0.4
581.55	101.21	0.34
3804.75	471.04	0.35
5290.44	518.95	0.39
10246.85	644.72	0.39
12645.06	682.04	0.37
18276.78	890.58	0.34
426.84	92.37	0.52
2733.13	444.39	0.51
4150.86	520.09	0.53
9336.54	627.69	0.44
11976	673.42	0.39
17630.29	869.7	0.36
768.64	105.48	0.23
2100.73	420.05	0.58
3710.07	514.87	0.58
9819.86	659.96	0.42
12791.71	735.77	0.38
19203.08	925.05	0.34
1635.91	192.08	0.1
3084.72	535.48	0.32
6119.3	675.69	0.33
14100.06	892.79	0.3
18303.32	1026.93	0.27
27674.7	1550.32	0.26
996.41	507.91	0.26
3191.04	754.41	0.43
8609.52	881.7	0.26
18946.2	1073.74	0.21
24329.61	1380.99	0.2
37480.4	2021.96	0.18
528.89	319.39	0.46
7578.86	1071.92	0.21
12059.15	1093.39	0.17
24996.62	1357.43	0.15
31654.59	1776.79	0.15
48375.79	2484.51	0.14
766.66	220.62	0.26
8908.22	1180.92	0.18
13917.18	1200.66	0.15

27863.56	1436.05	0.14
34616.05	1843.66	0.14
51683.63	2534.52	0.13
471.02	99.57	0.46
8603.36	1045.85	0.18
13126.51	1080.55	0.16
26071.56	1376.39	0.15
32956.64	1983.37	0.16
50744.52	2525.01	0.14
907.76	234.13	0.23
8424.06	1021.2	0.17
12887.39	1045.9	0.16
25154.14	1186.4	0.15
32066.26	1981.81	0.15
49654.77	2453.56	0.14
929.91	185.19	0.23
4224.92	392.27	0.26
5935.6	429.89	0.27
13485.49	1233.66	0.26
18809.43	1924.19	0.23
40301.28	2690.37	0.18
1230.61	241.09	0.17
4312.37	351.57	0.24
5770.36	355.51	0.26
9917.49	464.69	0.3
12732.35	963.65	0.28
31545.05	2838.42	0.22
1198.01	240.52	0.18
4196.68	351.33	0.24
5633.8	364.49	0.27
10414.57	869.68	0.31
14555.18	1710.29	0.3
27038.54	2312.61	0.25
836.18	177.34	0.26
3501.08	336.91	0.31
4893.51	365.88	0.33
9738.52	732.36	0.36
12950.39	1194.98	0.34
25009.98	2160.41	0.29

643.82	153.29	0.36
3185.25	348.62	0.38
4608.24	374.3	0.39
8900.73	596.51	0.42
11650.46	1262.66	0.41
22153.24	1777.62	0.34
742.67	173.12	0.31
3608.67	353.43	0.32
5054.87	378.62	0.34
9187.94	585.76	0.38
12136.12	1223.51	0.39
21201.63	1539.8	0.33
666.26	116.73	0.3
2895.26	331.41	0.44
4234.37	374.52	0.47
8283.62	504.19	0.49
10227.25	937.41	0.51
17237.92	1491.21	0.51
713.13	125.69	0.28
2949.75	327.39	0.42
4253.15	388.56	0.46
9723.12	655.21	0.45
12110.84	781.95	0.44
17432.57	1354.12	0.47
1163.25	207.17	0.17
3720.66	324.42	0.28
5015.81	366.2	0.32
9461.42	571.8	0.35
11536.2	677.32	0.35
16486.91	1134.98	0.36
710.57	165.3	0.32
3216.74	375.24	0.38
4682.36	395.58	0.38
9113.9	506.82	0.39
10935.61	701.84	0.4
16042.01	1145.22	0.4
1435.46	238.98	0.13
3738.63	267.11	0.28
4739.19	278.44	0.33
7795.85	544.53	0.43

9840.74	681.34	0.45
15524.27	1248.18	0.44
1428.81	238.89	0.13
3700.77	266.67	0.28
4681.34	277.8	0.33
7101.93	547.14	0.45
7465.92	566.7	0.56
9419.64	657.6	0.65
1670.28	239.42	0.1
4441.91	424.16	0.24
6145.31	487.13	0.28
10818.61	582.39	0.33
11802.91	649.38	0.37
14417.48	826.59	0.44
1657.61	209.48	0.1
4263.13	444.22	0.25
5950.66	474.47	0.28
10254.26	585.99	0.35
11192.6	644.23	0.39
13637.06	760.34	0.45
1174.17	239.53	0.19
4292.16	457.21	0.32
6010.23	476.42	0.33
10891.56	696.5	0.39
12008.48	720.64	0.42
14818.71	818.99	0.46
492.42	293.23	0.57
3850.76	441.66	0.37
5529.52	463.53	0.36
10681.99	760.6	0.42
11873.57	786.4	0.44
14950.23	906.98	0.48
893.59	297.49	0.24
4657.94	441.43	0.27
6361.64	477.41	0.29
11762.42	846.41	0.37
13055.08	893	0.4
16663.01	1053.43	0.42

1484.54	471.8	0.18
6626.14	557.69	0.17
8707.35	589.29	0.19
15465.65	1133.08	0.27
17135.74	1246.36	0.29
22519.42	1665.55	0.3
1259.31	427.94	0.17
7018.47	627.2	0.17
9384.71	719.8	0.2
17439.76	1492.44	0.24
19501.86	1585.38	0.26
25899.53	1784.7	0.26
1619.9	639.74	0.2
10156.85	889.37	0.12
13479.64	981.28	0.14
24574.51	1888.19	0.16
27075.93	1924.9	0.17
34462.61	2019.45	0.18
2297.71	749.52	0.14
11020.78	855.72	0.11
14113.04	938.56	0.13
26843.67	2126.64	0.15
29604	2154.04	0.17
37822.7	2240.65	0.17
2824.29	699.2	0.1
11154.4	1001.11	0.12
14717.46	1020.13	0.13
23180.35	1854.09	0.17
24605.22	1915.13	0.19
29104.34	2108	0.21
2924.67	788.87	0.09
11837.78	906.99	0.1
15040.73	930.88	0.12
22891.84	1742.93	0.15
24145.89	1809.3	0.18
28488.29	2261.91	0.2
4120.84	823.39	0.06
13796.54	980.33	0.08
17433.36	1116.13	0.1
27793.99	2193.27	0.13
29558.63	2297.33	0.15

35705.02	2955.72	0.18
3036.45	607.35	0.08
10553.11	843.74	0.11
13743.41	1014.71	0.14
22844.17	2030.86	0.18
24280.53	2133.69	0.2
29719.99	2942.89	0.24
2088.76	333.02	0.09
8224.37	819.95	0.15
11423.88	1034.63	0.18
20849.05	2171.36	0.23
22212.46	2294.02	0.26
27921.22	3184.81	0.31
2832	326.85	0.05
7161.02	456.91	0.13
8683	466.86	0.17
12667.32	1098.79	0.29
13353.27	1266.23	0.34
17048.12	1944.32	0.41
2838.72	328.14	0.05
7199.93	519.14	0.14
9304.03	829.26	0.18
15697.78	2089.6	0.26
15941.42	2113.6	0.31
17008.24	2214.54	0.42
2451.97	351.44	0.07
7059.64	606.33	0.16
9150.29	699.15	0.2
15896.6	2100.82	0.29
16071.33	2161.95	0.35
16394.75	2235.27	0.5
4200.15	497.56	0.04
9881.73	691.11	0.1
12733.26	1411.03	0.13
25913.72	2471.07	0.17
26601.08	2513.51	0.21
28609.77	2518.69	0.27
4742.94	577.07	0.04

11619.64	1031.68	0.11
16105.11	1816.82	0.14
30834.26	2318.26	0.18
31412.38	2320.13	0.21
33084.6	2325.52	0.28
5173.91	561.88	0.04
12300.21	1150.43	0.12
17334.47	1951.4	0.16
30805.1	2099.48	0.17
31303.01	2104.64	0.21
32752.71	2119.74	0.28
4651.76	518.53	0.04
11572.88	1041.52	0.12
16004.15	1496.46	0.15
27016.51	2115.91	0.19
27281.29	2141.23	0.22
28076.39	2217.11	0.31
5686.08	811.45	0.04
20421.14	2063.79	0.08
27250.15	2163.87	0.09
41674.92	2258.42	0.12
41890.91	2261.34	0.14
42495.57	2443.37	0.2
8207.65	986.58	0.02
24535.48	2315.1	0.06
32072.92	2376.57	0.07
48165.34	2787.57	0.1
48361.82	2791.27	0.12
48894.65	2801.26	0.17
9341.02	1014.35	0.02
26998.15	2153.28	0.06
33963.23	2194.1	0.07
49390.52	2579.99	0.11
49510.87	2582.54	0.13
49814.04	2588.93	0.18
6651.99	1054.9	0.03
25105.95	2171.99	0.06
32391.9	2374.05	0.08
48296.17	2535.37	0.11
48390.89	2536.22	0.13
48616.68	2538.24	0.19

Amman Road Crossing at Unnamed Tributary

Existing Conditions

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)
AMRD	994	2-YR	81.9	1377	1378.2		1378.33	0.012748	2.95
AMRD	994	5-YR	261.6	1377	1378.68	1378.68	1379.02	0.018483	4.89
AMRD	994	10-YR	362.4	1377	1378.86	1378.86	1379.25	0.018962	5.44
AMRD	994	25-YR	588.5	1377	1379.21	1379.21	1379.65	0.017136	6.06
AMRD	994	50-YR	935.4	1377	1379.54	1379.54	1380.09	0.01839	7.08
AMRD	994	100-YR	1147.3	1377	1379.73	1379.73	1380.32	0.017805	7.41
AMRD	949	2-YR	81.9	1377	1377.34	1377.31	1377.44	0.03361	2.53
AMRD	949	5-YR	261.6	1377	1377.65	1377.6	1377.85	0.029019	3.59
AMRD	949	10-YR	362.4	1377	1377.76	1377.73	1378.01	0.030176	4.06
AMRD	949	25-YR	588.5	1377	1377.97	1377.96	1378.33	0.031097	4.82
AMRD	949	50-YR	935.4	1377	1378.23	1378.23	1378.73	0.029334	5.67
AMRD	949	100-YR	1147.3	1377	1378.38	1378.38	1378.94	0.027216	6.01
AMRD	909.*	2-YR	81.9	1375.65	1376.13	1376.07	1376.25	0.026683	2.79
AMRD	909.*	5-YR	261.6	1375.65	1376.51	1376.45	1376.71	0.027636	3.63
AMRD	909.*	10-YR	362.4	1375.65	1376.66	1376.59	1376.89	0.025979	3.87
AMRD	909.*	25-YR	588.5	1375.65	1376.9	1376.83	1377.21	0.024681	4.45
AMRD	909.*	50-YR	935.4	1375.65	1377.16	1377.1	1377.6	0.024344	5.33
AMRD	909.*	100-YR	1147.3	1375.65	1377.27	1377.25	1377.81	0.025653	5.87
AMRD	869	2-YR	81.9	1374.29	1375.19		1375.27	0.021567	2.3
AMRD	869	5-YR	261.6	1374.29	1375.53		1375.7	0.022899	3.26
AMRD	869	10-YR	362.4	1374.29	1375.63	1375.56	1375.85	0.025654	3.76
AMRD	869	25-YR	588.5	1374.29	1375.82	1375.78	1376.15	0.02805	4.6
AMRD	869	50-YR	935.4	1374.29	1376.06	1376.06	1376.54	0.028586	5.56
AMRD	869	100-YR	1147.3	1374.29	1376.2	1376.2	1376.74	0.027401	5.95
AMRD	825.5*	2-YR	81.9	1373.15	1373.94	1373.91	1374.09	0.035201	3.2
AMRD	825.5*	5-YR	261.6	1373.15	1374.4	1374.34	1374.6	0.028008	3.55
AMRD	825.5*	10-YR	362.4	1373.15	1374.57		1374.78	0.024032	3.66
AMRD	825.5*	25-YR	588.5	1373.15	1374.82	1374.71	1375.08	0.021103	4.09
AMRD	825.5*	50-YR	935.4	1373.15	1375.07	1374.97	1375.45	0.021343	4.93
AMRD	825.5*	100-YR	1147.3	1373.15	1375.19	1375.11	1375.64	0.021947	5.39
AMRD	782	2-YR	81.9	1372	1372.77	1372.68	1372.89	0.022292	2.8
AMRD	782	5-YR	261.6	1372	1373.22	1373.13	1373.46	0.024845	3.9
AMRD	782	10-YR	362.4	1372	1373.39	1373.31	1373.66	0.027206	4.22
AMRD	782	25-YR	588.5	1372	1373.66	1373.62	1373.99	0.02983	4.61
AMRD	782	50-YR	935.4	1372	1373.91	1373.9	1374.35	0.030326	5.33
AMRD	782	100-YR	1147.3	1372	1374.04	1374.04	1374.54	0.029107	5.7
AMRD	741.666*	2-YR	81.9	1371	1371.73	1371.67	1371.88	0.028184	3.1

AMRD	741.666*	5-YR	261.6	1371	1372.18	1372.18	1372.4	0.027364	3.78
AMRD	741.666*	10-YR	362.4	1371	1372.3	1372.3	1372.54	0.027818	4.05
AMRD	741.666*	25-YR	588.5	1371	1372.49	1372.49	1372.78	0.029103	4.62
AMRD	741.666*	50-YR	935.4	1371	1372.69	1372.69	1373.09	0.030948	5.47
AMRD	741.666*	100-YR	1147.3	1371	1372.81	1372.81	1373.26	0.02953	5.8
AMRD	701.333*	2-YR	81.9	1370	1370.08	1370.08	1370.24	0.05593	1.38
AMRD	701.333*	5-YR	261.6	1370	1370.42	1370.42	1370.63	0.054166	3.1
AMRD	701.333*	10-YR	362.4	1370	1370.54	1370.54	1370.78	0.052643	3.5
AMRD	701.333*	25-YR	588.5	1370	1370.73	1370.73	1371.04	0.048851	3.98
AMRD	701.333*	50-YR	935.4	1370	1370.96	1370.96	1371.34	0.04473	4.6
AMRD	701.333*	100-YR	1147.3	1370	1371.08	1371.08	1371.5	0.041784	4.91
AMRD	661	2-YR	81.9	1369	1367.77		1367.85	0.022517	
AMRD	661	5-YR	261.6	1369	1368.18		1368.37	0.030657	
AMRD	661	10-YR	362.4	1369	1368.35		1368.57	0.032951	
AMRD	661	25-YR	588.5	1369	1368.59	1368.5	1368.88	0.035541	
AMRD	661	50-YR	935.4	1369	1368.87	1368.79	1369.25	0.03777	
AMRD	661	100-YR	1147.3	1369	1369.01	1368.94	1369.44	0.038309	0.26
AMRD	637.333*	2-YR	81.9	1366.67	1366.97	1366.97	1367.11	0.044657	3
AMRD	637.333*	5-YR	261.6	1366.67	1367.31	1367.31	1367.56	0.038089	4.02
AMRD	637.333*	10-YR	362.4	1366.67	1367.43	1367.43	1367.73	0.035802	4.42
AMRD	637.333*	25-YR	588.5	1366.67	1367.7	1367.7	1368.05	0.033308	4.79
AMRD	637.333*	50-YR	935.4	1366.67	1367.97	1367.97	1368.43	0.031221	5.44
AMRD	637.333*	100-YR	1147.3	1366.67	1368.11	1368.11	1368.62	0.030142	5.76
AMRD	613.666*	2-YR	81.9	1364.33	1364.54	1364.54	1364.63	0.050132	2.52
AMRD	613.666*	5-YR	261.6	1364.33	1364.77	1364.77	1364.97	0.039562	3.64
AMRD	613.666*	10-YR	362.4	1364.33	1364.87	1364.87	1365.12	0.037268	4.04
AMRD	613.666*	25-YR	588.5	1364.33	1365.09	1365.09	1365.41	0.034996	4.54
AMRD	613.666*	50-YR	935.4	1364.33	1365.33	1365.33	1365.73	0.032491	5.04
AMRD	613.666*	100-YR	1147.3	1364.33	1365.46	1365.46	1365.9	0.031128	5.34
AMRD	590	2-YR	81.9	1362	1362.5		1362.5	0.001225	0.7
AMRD	590	5-YR	261.6	1362	1362.88		1362.91	0.001763	1.21
AMRD	590	10-YR	362.4	1362	1363.05		1363.08	0.002107	1.38
AMRD	590	25-YR	588.5	1362	1363.31		1363.35	0.002588	1.7
AMRD	590	50-YR	935.4	1362	1363.61		1363.68	0.002893	2.07
AMRD	590	100-YR	1147.3	1362	1363.77		1363.85	0.003068	2.25
AMRD	571.333*	2-YR	81.9	1362	1362.47		1362.48	0.001805	0.81
AMRD	571.333*	5-YR	261.6	1362	1362.84		1362.87	0.002573	1.37
AMRD	571.333*	10-YR	362.4	1362	1363		1363.03	0.00306	1.53
AMRD	571.333*	25-YR	588.5	1362	1363.24		1363.3	0.003439	1.87
AMRD	571.333*	50-YR	935.4	1362	1363.54		1363.62	0.003807	2.25
AMRD	571.333*	100-YR	1147.3	1362	1363.69		1363.78	0.003934	2.44

AMRD	552.666*	2-YR	81.9	1362	1362.42		1362.43	0.003167	0.99
AMRD	552.666*	5-YR	261.6	1362	1362.76		1362.8	0.004415	1.6
AMRD	552.666*	10-YR	362.4	1362	1362.92		1362.96	0.004548	1.75
AMRD	552.666*	25-YR	588.5	1362	1363.15		1363.22	0.004977	2.11
AMRD	552.666*	50-YR	935.4	1362	1363.44		1363.53	0.005252	2.49
AMRD	552.666*	100-YR	1147.3	1362	1363.58		1363.7	0.005381	2.68
AMRD	534	2-YR	81.9	1362	1362.28		1362.32	0.015156	1.64
AMRD	534	5-YR	261.6	1362	1362.6		1362.67	0.011652	2.22
AMRD	534	10-YR	362.4	1362	1362.77		1362.84	0.009543	2.24
AMRD	534	25-YR	588.5	1362	1362.99		1363.1	0.008762	2.59
AMRD	534	50-YR	935.4	1362	1363.27		1363.41	0.008695	2.93
AMRD	534	100-YR	1147.3	1362	1363.42		1363.57	0.008301	3.09
AMRD	533	2-YR	81.9	1362	1362.25	1362.19	1362.3	0.02137	1.83
AMRD	533	5-YR	261.6	1362	1362.58	1362.41	1362.66	0.012834	2.3
AMRD	533	10-YR	362.4	1362	1362.75	1362.5	1362.83	0.010294	2.29
AMRD	533	25-YR	588.5	1362	1362.98	1362.69	1363.09	0.00923	2.63
AMRD	533	50-YR	935.4	1362	1363.26	1362.89	1363.4	0.009048	2.97
AMRD	533	100-YR	1147.3	1362	1363.41	1363.02	1363.56	0.008587	3.12
AMRD	502		Culvert						
AMRD	480	2-YR	81.9	1359.98	1361.75	1361.7	1361.86	0.033358	2.71
AMRD	480	5-YR	261.6	1359.98	1362.14	1362.04	1362.27	0.020486	2.83
AMRD	480	10-YR	362.4	1359.98	1362.28	1362.14	1362.42	0.018181	3
AMRD	480	25-YR	588.5	1359.98	1362.52	1362.34	1362.69	0.015994	3.29
AMRD	480	50-YR	935.4	1359.98	1362.81	1362.58	1363.01	0.014503	3.65
AMRD	480	100-YR	1147.3	1359.98	1362.95	1362.69	1363.18	0.013642	3.84
AMRD	474	2-YR	81.9	1359.95	1361.69	1361.45	1361.73	0.009945	1.68
AMRD	474	5-YR	261.6	1359.95	1362.09	1361.84	1362.16	0.009378	2.16
AMRD	474	10-YR	362.4	1359.95	1362.23	1361.96	1362.32	0.009276	2.36
AMRD	474	25-YR	588.5	1359.95	1362.48	1362.15	1362.6	0.009138	2.71
AMRD	474	50-YR	935.4	1359.95	1362.77	1362.38	1362.92	0.008932	3.11
AMRD	474	100-YR	1147.3	1359.95	1362.91	1362.51	1363.09	0.008722	3.32
AMRD	457.*	2-YR	81.9	1359.9	1361.54		1361.58	0.007949	1.56
AMRD	457.*	5-YR	261.6	1359.9	1361.94		1362.01	0.00832	2.09
AMRD	457.*	10-YR	362.4	1359.9	1362.08		1362.17	0.008484	2.31
AMRD	457.*	25-YR	588.5	1359.9	1362.33		1362.44	0.008696	2.67
AMRD	457.*	50-YR	935.4	1359.9	1362.62		1362.77	0.008887	3.08
AMRD	457.*	100-YR	1147.3	1359.9	1362.77		1362.93	0.008889	3.27
AMRD	440.*	2-YR	81.9	1359.85	1361.4		1361.44	0.008327	1.56
AMRD	440.*	5-YR	261.6	1359.85	1361.79		1361.87	0.008789	2.13

AMRD	440.*	10-YR	362.4	1359.85	1361.93		1362.02	0.009053	2.36
AMRD	440.*	25-YR	588.5	1359.85	1362.17		1362.29	0.009347	2.76
AMRD	440.*	50-YR	935.4	1359.85	1362.45		1362.61	0.009816	3.21
AMRD	440.*	100-YR	1147.3	1359.85	1362.59		1362.77	0.00979	3.41
AMRD	423	2-YR	81.9	1359.8	1361.03	1361.03	1361.16	0.043781	2.87
AMRD	423	5-YR	261.6	1359.8	1361.34	1361.34	1361.57	0.039992	3.86
AMRD	423	10-YR	362.4	1359.8	1361.48	1361.48	1361.72	0.038428	4
AMRD	423	25-YR	588.5	1359.8	1361.68	1361.68	1361.99	0.035846	4.47
AMRD	423	50-YR	935.4	1359.8	1361.92	1361.92	1362.31	0.032668	4.96
AMRD	423	100-YR	1147.3	1359.8	1362.04	1362.04	1362.47	0.032933	5.26
AMRD	406.*	2-YR	81.9	1359.78	1360.24	1360.24	1360.4	0.046767	3.17
AMRD	406.*	5-YR	261.6	1359.78	1360.54	1360.54	1360.76	0.040306	3.73
AMRD	406.*	10-YR	362.4	1359.78	1360.65	1360.65	1360.91	0.039258	4.08
AMRD	406.*	25-YR	588.5	1359.78	1360.86	1360.86	1361.18	0.035278	4.54
AMRD	406.*	50-YR	935.4	1359.78	1361.11	1361.11	1361.51	0.032809	5.07
AMRD	406.*	100-YR	1147.3	1359.78	1361.24	1361.24	1361.68	0.031765	5.3
AMRD	389	2-YR	81.9	1359	1359.41	1359.39	1359.54	0.03827	2.98
AMRD	389	5-YR	261.6	1359	1360.01		1360.12	0.021069	2.62
AMRD	389	10-YR	362.4	1359	1360.21		1360.3	0.010892	2.4
AMRD	389	25-YR	588.5	1359	1360.48		1360.59	0.008683	2.67
AMRD	389	50-YR	935.4	1359	1360.79		1360.93	0.007873	3.04
AMRD	389	100-YR	1147.3	1359	1360.95		1361.11	0.007514	3.2
AMRD	368.5*	2-YR	81.9	1358.5	1359.32		1359.34	0.003481	1.21
AMRD	368.5*	5-YR	261.6	1358.5	1359.94		1359.98	0.002593	1.6
AMRD	368.5*	10-YR	362.4	1358.5	1360.14		1360.19	0.00288	1.81
AMRD	368.5*	25-YR	588.5	1358.5	1360.37		1360.45	0.004416	2.38
AMRD	368.5*	50-YR	935.4	1358.5	1360.64		1360.78	0.006406	2.99
AMRD	368.5*	100-YR	1147.3	1358.5	1360.79		1360.95	0.00799	3.24
AMRD	348	2-YR	81.9	1358	1359.22		1359.25	0.004811	1.52
AMRD	348	5-YR	261.6	1358	1359.86		1359.91	0.00459	1.83
AMRD	348	10-YR	362.4	1358	1360.04		1360.1	0.006196	1.95
AMRD	348	25-YR	588.5	1358	1360.26		1360.34	0.006571	2.37
AMRD	348	50-YR	935.4	1358	1360.51		1360.64	0.007268	2.88
AMRD	348	100-YR	1147.3	1358	1360.63		1360.79	0.00767	3.15
AMRD	330.666*	2-YR	81.9	1358	1359.09		1359.14	0.008188	1.9
AMRD	330.666*	5-YR	261.6	1358	1359.76		1359.82	0.006178	1.91
AMRD	330.666*	10-YR	362.4	1358	1359.92		1359.99	0.007221	2.04
AMRD	330.666*	25-YR	588.5	1358	1360.13		1360.22	0.007678	2.47
AMRD	330.666*	50-YR	935.4	1358	1360.35		1360.5	0.008726	3.03
AMRD	330.666*	100-YR	1147.3	1358	1360.47		1360.64	0.009384	3.33

AMRD	313.333*	2-YR	81.9	1358	1358.93		1359.02	0.006628	2.33
AMRD	313.333*	5-YR	261.6	1358	1359.63		1359.69	0.008576	2.05
AMRD	313.333*	10-YR	362.4	1358	1359.77		1359.84	0.009544	2.19
AMRD	313.333*	25-YR	588.5	1358	1359.96		1360.07	0.010199	2.63
AMRD	313.333*	50-YR	935.4	1358	1360.17		1360.33	0.011332	3.16
AMRD	313.333*	100-YR	1147.3	1358	1360.28		1360.46	0.011254	3.42
AMRD	296	2-YR	81.9	1358	1358.64		1358.82	0.021548	3.39
AMRD	296	5-YR	261.6	1358	1359.4		1359.49	0.015858	2.52
AMRD	296	10-YR	362.4	1358	1359.52		1359.63	0.016351	2.69
AMRD	296	25-YR	588.5	1358	1359.71		1359.85	0.016519	2.99
AMRD	296	50-YR	935.4	1358	1359.91		1360.1	0.015568	3.52
AMRD	296	100-YR	1147.3	1358	1360.01		1360.23	0.015864	3.84
AMRD	275.5*	2-YR	81.9	1357.5	1358.19		1358.37	0.021679	3.46
AMRD	275.5*	5-YR	261.6	1357.5	1359.05		1359.15	0.017881	2.51
AMRD	275.5*	10-YR	362.4	1357.5	1359.16		1359.27	0.018558	2.72
AMRD	275.5*	25-YR	588.5	1357.5	1359.34		1359.49	0.017795	3.17
AMRD	275.5*	50-YR	935.4	1357.5	1359.56		1359.76	0.016805	3.63
AMRD	275.5*	100-YR	1147.3	1357.5	1359.67		1359.9	0.015911	3.87
AMRD	255.*	2-YR	81.9	1357	1357.75		1357.94	0.020658	3.43
AMRD	255.*	5-YR	261.6	1357	1358.68		1358.78	0.018889	2.51
AMRD	255.*	10-YR	362.4	1357	1358.78		1358.9	0.018102	2.77
AMRD	255.*	25-YR	588.5	1357	1358.96		1359.12	0.018046	3.27
AMRD	255.*	50-YR	935.4	1357	1359.18		1359.41	0.017512	3.79
AMRD	255.*	100-YR	1147.3	1357	1359.31		1359.56	0.017172	4.01
AMRD	234.5*	2-YR	81.9	1356.5	1357.29		1357.49	0.02312	3.56
AMRD	234.5*	5-YR	261.6	1356.5	1358.16		1358.33	0.024241	3.28
AMRD	234.5*	10-YR	362.4	1356.5	1358.38		1358.51	0.019548	2.92
AMRD	234.5*	25-YR	588.5	1356.5	1358.59		1358.76	0.017597	3.33
AMRD	234.5*	50-YR	935.4	1356.5	1358.85		1359.07	0.015864	3.76
AMRD	234.5*	100-YR	1147.3	1356.5	1358.99		1359.23	0.015121	3.95
AMRD	214	2-YR	81.9	1356	1357.05	1356.75	1357.16	0.010003	2.67
AMRD	214	5-YR	261.6	1356	1357.91	1357.47	1358	0.010002	2.49
AMRD	214	10-YR	362.4	1356	1358.13	1357.76	1358.22	0.010001	2.38
AMRD	214	25-YR	588.5	1356	1358.35	1358.07	1358.48	0.010008	2.82
AMRD	214	50-YR	935.4	1356	1358.63	1358.28	1358.79	0.010014	3.29
AMRD	214	100-YR	1147.3	1356	1358.77	1358.41	1358.96	0.01001	3.51

Flow Area	Top Width	Froude # Chl
(sq ft)	(ft)	
27.76	39.35	0.62
65.68	112.19	0.81
86.06	122.75	0.84
136.31	157.05	0.83
190.81	175.02	0.88
225.98	185.42	0.88
32.33	119.42	0.86
72.85	142.78	0.89
89.24	149.75	0.93
122.15	162.24	0.98
166.14	175.68	1
193.8	182.48	0.98
29.31	78.57	0.81
72.11	134.17	0.87
93.61	150.85	0.87
132.2	168.06	0.88
177.37	182.27	0.92
198.93	187.97	0.96
35.63	109.11	0.71
80.26	152.32	0.79
96.33	160.53	0.86
128.06	174.29	0.93
170.93	189.63	0.98
197.98	196.46	0.98
25.63	69.16	0.93
73.67	142.97	0.87
98.92	163.31	0.83
144.18	190.1	0.81
192.96	206.27	0.86
218.48	213.11	0.88
29.25	68.28	0.75
67.16	103.69	0.85
85.83	125.68	0.9
127.67	175.7	0.95
177.03	211.98	0.99
204.47	220.95	1
26.45	63.33	0.84

77.38	196.57	0.88
102.23	219.45	0.9
145.34	238.39	0.95
194.78	253.45	1.01
225.84	261.05	1.01
26.48	89.2	0.89
70.74	169.87	1.08
91.78	194.33	1.1
133.61	229.1	1.11
189.2	257.01	1.11
220.54	264.27	1.1
34.87	79.03	0
74.37	115.96	0
97.01	145.87	0
136	173.61	0
187.65	202.79	0
217.91	233.66	0.51
27.3	96.82	1
65.01	131.71	1.01
81.94	137.54	1.01
122.97	173.72	1
171.89	190.78	1.01
199.07	197.43	1.01
32.53	163.71	1
71.77	173.59	1
89.73	177.89	1
129.59	205.57	1.01
185.6	238.14	1.01
214.74	244.46	1
116.78	247.02	0.18
215.74	263.76	0.24
262.34	301.4	0.26
346.15	339.87	0.3
452.61	360.55	0.33
509.72	373.31	0.34
101.13	230.58	0.22
190.43	256.34	0.28
236.31	307.12	0.31
314.56	331.21	0.34
415.86	358.44	0.37
471.11	369.43	0.38

83.04	214.74	0.28
163.52	262.62	0.36
206.72	295.91	0.37
278.64	322.71	0.4
375.38	353.22	0.43
428.48	368.62	0.44
49.85	193.99	0.57
117.95	240.27	0.56
161.96	280.3	0.52
227.18	296.09	0.52
319.43	344.37	0.54
371.65	357.5	0.53
44.74	191.56	0.67
113.85	236.46	0.58
158.1	279.34	0.54
223.39	295.2	0.53
315.15	343.05	0.55
367.42	356.37	0.54
30.2	99.51	0.87
92.34	198.33	0.73
120.83	217.92	0.71
178.73	254.65	0.69
256.37	302.3	0.69
298.74	319.78	0.68
48.7	132.4	0.49
121.29	217.96	0.51
153.54	239.14	0.52
217.54	273.17	0.53
300.66	311.94	0.55
345.15	328.29	0.55
52.64	136.64	0.44
125.21	216.31	0.48
157.04	237.22	0.5
220.02	271.36	0.52
303.39	307.35	0.55
350.39	324.43	0.56
52.43	139.95	0.45
122.97	215.31	0.5

153.27	234.2	0.52
213.32	265	0.54
291.38	299.19	0.57
336.91	316.05	0.58
28.57	106.7	0.98
67.71	151.05	1.02
90.63	186.43	1.01
131.75	217.94	1.01
188.45	248.23	1
218.04	264.74	1.02
25.84	87.37	1.03
70.19	166.5	1.01
88.72	179.82	1.03
129.73	207.35	1.01
184.47	236.24	1.01
216.56	253.51	1.01
27.47	87.57	0.94
99.82	246.82	0.73
150.7	258.43	0.56
220.8	273.77	0.52
308.15	292.08	0.52
358.1	302.28	0.52
67.54	137.47	0.3
163.83	176.89	0.29
200.06	193.44	0.31
247.73	219.81	0.39
312.65	259.45	0.48
354.41	308.41	0.53
53.8	99.09	0.36
142.82	192.51	0.37
185.8	285.56	0.43
248.37	297.97	0.46
324.45	312.8	0.5
364.29	320.25	0.52
43.17	85.15	0.47
137.13	217.41	0.42
177.98	287.71	0.46
238.33	302.05	0.49
308.65	316.66	0.54
344.74	338.52	0.57

35.21	43.61	0.46
127.91	233.6	0.49
165.13	294.01	0.52
224.48	335.79	0.55
300.81	385.82	0.6
343.78	394.1	0.61
24.18	41.3	0.78
104.61	234.03	0.65
136.7	284.25	0.66
201.97	366.5	0.69
275.3	377	0.7
312.47	395.36	0.72
23.64	39.21	0.79
104.4	243.96	0.68
133.47	284.38	0.7
185.81	315.31	0.72
261.6	366.19	0.72
303.52	373.02	0.72
23.87	38.73	0.77
104.17	252.96	0.69
130.9	265.93	0.7
179.97	284.14	0.72
246.53	304.49	0.74
286.1	332.25	0.75
22.98	38.36	0.81
79.81	156.64	0.81
124	246.06	0.73
176.53	265.72	0.72
248.95	289.76	0.71
290.39	302.39	0.71
30.7	42.21	0.55
105.15	160.67	0.54
152.14	248.16	0.54
208.89	265.07	0.56
284.54	286.58	0.58
327.31	299.31	0.59

Amman Road Crossing at Unnamed Tributary

Existing Conditions

Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl
			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)
AMRD	994	2-YR	21	1377	1377.73		1377.77	0.007034	1.67
AMRD	994	5-YR	39	1377	1377.92		1378	0.008721	2.14
AMRD	994	10-YR	54	1377	1378.07		1378.15	0.009051	2.35
AMRD	994	25-YR	75	1377	1378.18		1378.3	0.0112	2.75
AMRD	994	50-YR	101	1377	1378.29		1378.45	0.013612	3.18
AMRD	994	100-YR	122	1377	1378.36		1378.55	0.015167	3.53
AMRD	949	2-YR	21	1377	1377.18		1377.21	0.028959	1.5
AMRD	949	5-YR	39	1377	1377.23		1377.29	0.034742	1.96
AMRD	949	10-YR	54	1377	1377.25	1377.25	1377.34	0.050346	2.48
AMRD	949	25-YR	75	1377	1377.31	1377.3	1377.41	0.042368	2.64
AMRD	949	50-YR	101	1377	1377.37	1377.35	1377.49	0.036473	2.79
AMRD	949	100-YR	122	1377	1377.41	1377.39	1377.55	0.03416	2.92
AMRD	909.*	2-YR	21	1375.65	1375.86	1375.84	1375.92	0.036505	1.96
AMRD	909.*	5-YR	39	1375.65	1375.96		1376.04	0.028395	2.25
AMRD	909.*	10-YR	54	1375.65	1376.06		1376.14	0.019163	2.2
AMRD	909.*	25-YR	75	1375.65	1376.13	1376.05	1376.23	0.021761	2.53
AMRD	909.*	50-YR	101	1375.65	1376.23	1376.13	1376.34	0.023219	2.62
AMRD	909.*	100-YR	122	1375.65	1376.28	1376.19	1376.4	0.024393	2.78
AMRD	869	2-YR	21	1374.29	1374.82	1374.72	1374.88	0.019123	2.06
AMRD	869	5-YR	39	1374.29	1374.97	1374.87	1375.06	0.021293	2.45
AMRD	869	10-YR	54	1374.29	1375.07	1374.95	1375.15	0.032413	2.34
AMRD	869	25-YR	75	1374.29	1375.14	1375.09	1375.23	0.028949	2.46
AMRD	869	50-YR	101	1374.29	1375.21	1375.15	1375.32	0.0275	2.67
AMRD	869	100-YR	122	1374.29	1375.26	1375.21	1375.38	0.026978	2.82
AMRD	825.5*	2-YR	21	1373.15	1373.54	1373.53	1373.66	0.044767	2.81
AMRD	825.5*	5-YR	39	1373.15	1373.69	1373.68	1373.84	0.038344	3.12
AMRD	825.5*	10-YR	54	1373.15	1373.88	1373.77	1373.97	0.023368	2.47
AMRD	825.5*	25-YR	75	1373.15	1373.96	1373.88	1374.08	0.024753	2.73
AMRD	825.5*	50-YR	101	1373.15	1374.05	1373.97	1374.19	0.025167	2.95
AMRD	825.5*	100-YR	122	1373.15	1374.12	1374.04	1374.26	0.025019	3.07
AMRD	782	2-YR	21	1372	1372.43		1372.49	0.017665	1.98
AMRD	782	5-YR	39	1372	1372.6		1372.67	0.01963	2.13
AMRD	782	10-YR	54	1372	1372.61	1372.58	1372.74	0.035023	2.87
AMRD	782	25-YR	75	1372	1372.69	1372.66	1372.84	0.033353	3.13
AMRD	782	50-YR	101	1372	1372.78	1372.74	1372.96	0.031764	3.38
AMRD	782	100-YR	122	1372	1372.84	1372.81	1373.04	0.031634	3.55
AMRD	741.666*	2-YR	21	1371	1371.36	1371.34	1371.47	0.038887	2.65

AMRD	741.666*	5-YR	39	1371	1371.51	1371.49	1371.63	0.035111	2.71
AMRD	741.666*	10-YR	54	1371	1371.68	1371.56	1371.76	0.017062	2.31
AMRD	741.666*	25-YR	75	1371	1371.78	1371.63	1371.88	0.017422	2.52
AMRD	741.666*	50-YR	101	1371	1371.88	1371.74	1372	0.017813	2.72
AMRD	741.666*	100-YR	122	1371	1371.95	1371.81	1372.08	0.018135	2.86
AMRD	701.333*	2-YR	21	1370	1370.46	1370.35	1370.51	0.015286	1.74
AMRD	701.333*	5-YR	39	1370	1370.6	1370.48	1370.66	0.016681	2.09
AMRD	701.333*	10-YR	54	1370	1370.56	1370.56	1370.72	0.042159	3.22
AMRD	701.333*	25-YR	75	1370	1370.65	1370.65	1370.84	0.040934	3.46
AMRD	701.333*	50-YR	101	1370	1370.74	1370.74	1370.95	0.040536	3.66
AMRD	701.333*	100-YR	122	1370	1370.81	1370.81	1371.03	0.040142	3.77
AMRD	661	2-YR	21	1369	1369.35	1369.35	1369.47	0.050571	2.72
AMRD	661	5-YR	39	1369	1369.48	1369.48	1369.63	0.042835	3.12
AMRD	661	10-YR	54	1369	1369.5	1369.5	1369.5	0.000024	0.08
AMRD	661	25-YR	75	1369	1369.5	1369.5	1369.5	0.000046	0.11
AMRD	661	50-YR	101	1369	1369.5	1369.5	1369.5	0.000083	0.14
AMRD	661	100-YR	122	1369	1369.5	1369.5	1369.5	0.000121	0.17
AMRD	637.333*	2-YR	21	1366.67	1366.79	1366.79	1366.85	0.059828	1.96
AMRD	637.333*	5-YR	39	1366.67	1366.86	1366.86	1366.94	0.052153	2.38
AMRD	637.333*	10-YR	54	1366.67	1366.9	1366.9	1367.01	0.051385	2.68
AMRD	637.333*	25-YR	75	1366.67	1366.95	1366.95	1367.09	0.045862	2.93
AMRD	637.333*	50-YR	101	1366.67	1367.01	1367.01	1367.17	0.043574	3.22
AMRD	637.333*	100-YR	122	1366.67	1367.06	1367.06	1367.24	0.041356	3.39
AMRD	613.666*	2-YR	21	1364.33	1364.41	1364.41	1364.46	0.074578	1.67
AMRD	613.666*	5-YR	39	1364.33	1364.46	1364.46	1364.52	0.059462	1.99
AMRD	613.666*	10-YR	54	1364.33	1364.48	1364.48	1364.56	0.059313	2.25
AMRD	613.666*	25-YR	75	1364.33	1364.52	1364.52	1364.62	0.052361	2.47
AMRD	613.666*	50-YR	101	1364.33	1364.57	1364.57	1364.68	0.048027	2.69
AMRD	613.666*	100-YR	122	1364.33	1364.6	1364.6	1364.72	0.046451	2.87
AMRD	590	2-YR	97	1362	1362.54		1362.55	0.001302	0.76
AMRD	590	5-YR	210	1362	1362.78		1362.8	0.001701	1.11
AMRD	590	10-YR	310	1362	1362.96		1362.98	0.001891	1.32
AMRD	590	25-YR	464	1362	1363.16		1363.2	0.002564	1.57
AMRD	590	50-YR	600	1362	1363.29		1363.34	0.002836	1.76
AMRD	590	100-YR	746	1362	1363.42		1363.48	0.002997	1.93
AMRD	571.333*	2-YR	97	1362	1362.51		1362.52	0.001909	0.88
AMRD	571.333*	5-YR	210	1362	1362.74		1362.77	0.002448	1.26
AMRD	571.333*	10-YR	310	1362	1362.9		1362.94	0.003018	1.49
AMRD	571.333*	25-YR	464	1362	1363.09		1363.14	0.003508	1.75
AMRD	571.333*	50-YR	600	1362	1363.22		1363.28	0.00386	1.96
AMRD	571.333*	100-YR	746	1362	1363.35		1363.42	0.004049	2.14

AMRD	552.666*	2-YR	97	1362	1362.45	1362.2	1362.47	0.003333	1.07
AMRD	552.666*	5-YR	210	1362	1362.67	1362.33	1362.71	0.004226	1.5
AMRD	552.666*	10-YR	310	1362	1362.82	1362.44	1362.87	0.004943	1.74
AMRD	552.666*	25-YR	464	1362	1362.99	1362.56	1363.06	0.005329	2.02
AMRD	552.666*	50-YR	600	1362	1363.11	1362.66	1363.19	0.005643	2.26
AMRD	552.666*	100-YR	746	1362	1363.23	1362.77	1363.32	0.005857	2.48
AMRD	534	2-YR	97	1362	1362.32	1362.21	1362.36	0.013471	1.68
AMRD	534	5-YR	210	1362	1362.49	1362.35	1362.57	0.014263	2.25
AMRD	534	10-YR	310	1362	1362.6	1362.46	1362.71	0.015965	2.6
AMRD	534	25-YR	464	1362	1362.76	1362.59	1362.89	0.015598	2.89
AMRD	534	50-YR	600	1362	1362.85	1362.7	1363.02	0.016445	3.24
AMRD	534	100-YR	746	1362	1362.96	1362.79	1363.15	0.015375	3.45
AMRD	533	2-YR	97	1362	1362.21	1362.21	1362.32	0.057512	2.66
AMRD	533	5-YR	210	1362	1362.35	1362.35	1362.52	0.043951	3.24
AMRD	533	10-YR	310	1362	1362.46	1362.46	1362.66	0.039683	3.6
AMRD	533	25-YR	464	1362	1362.59	1362.59	1362.84	0.037415	3.96
AMRD	533	50-YR	600	1362	1362.73	1362.7	1362.97	0.031639	3.97
AMRD	533	100-YR	746	1362	1362.93	1362.79	1363.13	0.0177	3.6
AMRD	502		Bridge						
AMRD	480	2-YR	97	1359.98	1361.8	1361.76	1361.91	0.033964	2.73
AMRD	480	5-YR	210	1359.98	1362.06	1361.98	1362.18	0.022394	2.73
AMRD	480	10-YR	310	1359.98	1362.21	1362.1	1362.34	0.019072	2.91
AMRD	480	25-YR	464	1359.98	1362.4	1362.24	1362.55	0.016998	3.15
AMRD	480	50-YR	600	1359.98	1362.53	1362.35	1362.7	0.015917	3.3
AMRD	480	100-YR	746	1359.98	1362.66	1362.47	1362.85	0.015264	3.45
AMRD	474	2-YR	97	1359.95	1361.74	1361.5	1361.78	0.009908	1.75
AMRD	474	5-YR	210	1359.95	1362.01	1361.77	1362.07	0.009498	2.03
AMRD	474	10-YR	310	1359.95	1362.16	1361.89	1362.24	0.009295	2.26
AMRD	474	25-YR	464	1359.95	1362.35	1362.05	1362.45	0.009245	2.53
AMRD	474	50-YR	600	1359.95	1362.49	1362.16	1362.61	0.009144	2.72
AMRD	474	100-YR	746	1359.95	1362.62	1362.27	1362.75	0.009046	2.89
AMRD	457.*	2-YR	97	1359.9	1361.59		1361.63	0.008022	1.63
AMRD	457.*	5-YR	210	1359.9	1361.86		1361.92	0.008362	1.96
AMRD	457.*	10-YR	310	1359.9	1362.01		1362.09	0.008429	2.2
AMRD	457.*	25-YR	464	1359.9	1362.2		1362.3	0.008539	2.49
AMRD	457.*	50-YR	600	1359.9	1362.34		1362.46	0.008705	2.69
AMRD	457.*	100-YR	746	1359.9	1362.48		1362.6	0.008729	2.86
AMRD	440.*	2-YR	97	1359.85	1361.45		1361.49	0.008319	1.64
AMRD	440.*	5-YR	210	1359.85	1361.71		1361.77	0.008883	2

AMRD	440.*	10-YR	310	1359.85	1361.86		1361.94	0.008943	2.25
AMRD	440.*	25-YR	464	1359.85	1362.05		1362.15	0.009173	2.56
AMRD	440.*	50-YR	600	1359.85	1362.18		1362.3	0.009364	2.78
AMRD	440.*	100-YR	746	1359.85	1362.31		1362.45	0.009474	2.96
AMRD	423	2-YR	97	1359.8	1361.07	1361.06	1361.21	0.043984	3.02
AMRD	423	5-YR	210	1359.8	1361.27	1361.27	1361.47	0.040366	3.65
AMRD	423	10-YR	310	1359.8	1361.4	1361.4	1361.65	0.037497	3.96
AMRD	423	25-YR	464	1359.8	1361.58	1361.58	1361.85	0.036649	4.21
AMRD	423	50-YR	600	1359.8	1361.69	1361.69	1362	0.035713	4.49
AMRD	423	100-YR	746	1359.8	1361.79	1361.79	1362.14	0.035809	4.79
AMRD	406.*	2-YR	97	1359.78	1360.32	1360.32	1360.44	0.047344	2.77
AMRD	406.*	5-YR	210	1359.78	1360.48	1360.48	1360.67	0.042019	3.5
AMRD	406.*	10-YR	310	1359.78	1360.6	1360.6	1360.83	0.038344	3.86
AMRD	406.*	25-YR	464	1359.78	1360.75	1360.75	1361.04	0.036907	4.31
AMRD	406.*	50-YR	600	1359.78	1360.87	1360.87	1361.2	0.035177	4.55
AMRD	406.*	100-YR	746	1359.78	1360.98	1360.98	1361.34	0.033809	4.78
AMRD	389	2-YR	97	1359	1359.48		1359.6	0.029133	2.85
AMRD	389	5-YR	210	1359	1359.87		1359.98	0.013487	2.68
AMRD	389	10-YR	310	1359	1360.11		1360.21	0.014509	2.48
AMRD	389	25-YR	464	1359	1360.34		1360.44	0.009539	2.52
AMRD	389	50-YR	600	1359	1360.49		1360.6	0.008626	2.68
AMRD	389	100-YR	746	1359	1360.63		1360.75	0.008176	2.84
AMRD	368.5*	2-YR	97	1358.5	1359.42		1359.44	0.002642	1.18
AMRD	368.5*	5-YR	210	1358.5	1359.82		1359.85	0.002418	1.46
AMRD	368.5*	10-YR	310	1358.5	1360.04		1360.08	0.002756	1.71
AMRD	368.5*	25-YR	464	1358.5	1360.25		1360.32	0.003564	2.09
AMRD	368.5*	50-YR	600	1358.5	1360.38		1360.47	0.004487	2.4
AMRD	368.5*	100-YR	746	1358.5	1360.5		1360.61	0.005316	2.68
AMRD	348	2-YR	97	1358	1359.34		1359.38	0.003825	1.44
AMRD	348	5-YR	210	1358	1359.74		1359.79	0.004362	1.72
AMRD	348	10-YR	310	1358	1359.95		1360	0.005143	1.92
AMRD	348	25-YR	464	1358	1360.15		1360.22	0.006341	2.15
AMRD	348	50-YR	600	1358	1360.27		1360.36	0.00659	2.39
AMRD	348	100-YR	746	1358	1360.38		1360.49	0.006868	2.61
AMRD	330.666*	2-YR	97	1358	1359.25		1359.3	0.005547	1.64
AMRD	330.666*	5-YR	210	1358	1359.65		1359.7	0.005482	1.81
AMRD	330.666*	10-YR	310	1358	1359.84		1359.9	0.006597	1.99
AMRD	330.666*	25-YR	464	1358	1360.02		1360.1	0.007384	2.24
AMRD	330.666*	50-YR	600	1358	1360.14		1360.23	0.007693	2.49
AMRD	330.666*	100-YR	746	1358	1360.24		1360.36	0.008063	2.73

AMRD	313.333*	2-YR	97	1358	1359.1		1359.17	0.01017	2.14
AMRD	313.333*	5-YR	210	1358	1359.53		1359.59	0.007847	1.96
AMRD	313.333*	10-YR	310	1358	1359.7		1359.77	0.008954	2.12
AMRD	313.333*	25-YR	464	1358	1359.87		1359.96	0.009316	2.38
AMRD	313.333*	50-YR	600	1358	1359.97		1360.08	0.010202	2.65
AMRD	313.333*	100-YR	746	1358	1360.07		1360.19	0.010962	2.89
AMRD	296	2-YR	97	1358	1358.7		1358.91	0.021785	3.61
AMRD	296	5-YR	210	1358	1359.32		1359.41	0.01439	2.36
AMRD	296	10-YR	310	1358	1359.47		1359.57	0.015555	2.55
AMRD	296	25-YR	464	1358	1359.63		1359.74	0.01718	2.77
AMRD	296	50-YR	600	1358	1359.72		1359.86	0.016486	3.01
AMRD	296	100-YR	746	1358	1359.81		1359.97	0.015805	3.24
AMRD	275.5*	2-YR	97	1357.5	1358.26		1358.47	0.021212	3.64
AMRD	275.5*	5-YR	210	1357.5	1358.88		1359.02	0.024894	2.99
AMRD	275.5*	10-YR	310	1357.5	1359.11		1359.21	0.019433	2.6
AMRD	275.5*	25-YR	464	1357.5	1359.25		1359.38	0.017926	2.93
AMRD	275.5*	50-YR	600	1357.5	1359.34		1359.5	0.017768	3.19
AMRD	275.5*	100-YR	746	1357.5	1359.44		1359.62	0.017512	3.4
AMRD	255.*	2-YR	97	1357	1357.82		1358.03	0.02156	3.63
AMRD	255.*	5-YR	210	1357	1358.36		1358.59	0.017797	3.79
AMRD	255.*	10-YR	310	1357	1358.74		1358.85	0.016611	2.55
AMRD	255.*	25-YR	464	1357	1358.87		1359.01	0.018032	3.01
AMRD	255.*	50-YR	600	1357	1358.97		1359.13	0.018035	3.29
AMRD	255.*	100-YR	746	1357	1359.06		1359.26	0.017881	3.54
AMRD	234.5*	2-YR	97	1356.5	1357.38		1357.59	0.021599	3.65
AMRD	234.5*	5-YR	210	1356.5	1358.01		1358.2	0.018858	3.47
AMRD	234.5*	10-YR	310	1356.5	1358.27		1358.43	0.025193	3.17
AMRD	234.5*	25-YR	464	1356.5	1358.48		1358.63	0.018526	3.13
AMRD	234.5*	50-YR	600	1356.5	1358.59		1358.77	0.017521	3.35
AMRD	234.5*	100-YR	746	1356.5	1358.71		1358.91	0.016666	3.55
AMRD	214	2-YR	97	1356	1357.15	1356.83	1357.27	0.009985	2.76
AMRD	214	5-YR	210	1356	1357.8	1357.28	1357.89	0.010004	2.37
AMRD	214	10-YR	310	1356	1357.99	1357.68	1358.1	0.010003	2.61
AMRD	214	25-YR	464	1356	1358.24	1357.87	1358.34	0.010013	2.6
AMRD	214	50-YR	600	1356	1358.36	1358.07	1358.49	0.010006	2.84
AMRD	214	100-YR	746	1356	1358.48	1358.17	1358.63	0.010003	3.05

Flow Area	Top Width	Froude # Chl
(sq ft)	(ft)	
12.6	26.92	0.43
18.24	31.53	0.5
22.98	35.45	0.51
27.25	38.88	0.58
31.8	43.65	0.65
35.31	64.14	0.69
13.98	101.13	0.71
19.92	111	0.81
21.76	112.25	0.99
28.45	117.77	0.95
36.14	122.46	0.91
41.71	125.72	0.9
10.72	61.95	0.83
17.33	67.34	0.78
24.52	73.29	0.67
29.61	78.91	0.73
38.54	102.52	0.75
43.94	111.2	0.78
10.2	33.65	0.66
15.93	43.95	0.72
23.06	93.25	0.83
30.47	105.02	0.81
37.88	111.46	0.81
43.23	115.14	0.81
7.48	29.36	0.98
12.52	37.38	0.95
21.87	63.88	0.74
27.47	72.09	0.78
34.25	81.04	0.8
39.8	88.5	0.81
10.62	35.09	0.63
18.32	58.64	0.67
18.79	59.24	0.9
23.95	64	0.9
29.92	68.82	0.9
34.35	73.03	0.91
7.94	30.64	0.92

14.41	49.78	0.89
23.41	59.85	0.65
29.75	67.61	0.67
37.13	81.26	0.69
42.65	96.82	0.7
12.05	177.58	0.58
18.62	205.03	0.63
16.75	198.57	0.99
21.68	213.98	1
27.58	231.09	1.01
32.34	243.74	1.01
7.71	278.96	1.02
12.58	292.46	0.99
348.04	293.18	0.02
348.01	293.18	0.03
347.97	293.17	0.04
347.97	293.17	0.05
10.72	89.74	1
16.37	92.21	1
20.13	93.83	1.02
25.62	96.13	1
31.4	98.49	1
35.99	100.3	1
12.6	158.42	1.04
19.64	160.31	1
23.96	161.45	1.03
30.42	163.15	1.01
37.49	164.99	1
42.54	166.3	1
127.28	248.85	0.19
189.9	259.51	0.23
235.01	266.89	0.25
295.34	324.24	0.29
340.35	338.98	0.31
385.72	348.45	0.32
110.46	232.63	0.22
166.49	245.36	0.27
208.74	281.75	0.3
265.3	313.68	0.34
306.36	328.41	0.36
348.8	339.61	0.37

91.01	217.71	0.29
140.04	239.86	0.35
178.47	275.72	0.38
229.84	301.31	0.41
265.03	316.95	0.43
301.29	331.06	0.44
57.66	198.3	0.55
93.39	216.88	0.6
119	241.2	0.65
160.41	279.98	0.67
185.01	286.23	0.7
216.28	294.08	0.69
36.43	186.8	1.06
64.78	202.12	1.01
86.2	213.2	1
117.04	239.32	1
151.13	276.75	0.94
207.01	291.76	0.74
35.56	117.87	0.88
76.79	185.85	0.75
106.41	207.78	0.72
147.5	235.5	0.7
181.57	256.38	0.69
216.22	277.37	0.69
55.35	141.14	0.49
103.51	205.78	0.5
137.3	228.84	0.51
183.26	256.31	0.53
220.62	274.97	0.54
258.19	296.82	0.54
59.43	144.57	0.45
107.11	204.31	0.48
141.03	228.02	0.49
186.46	252.77	0.51
223.01	272.85	0.52
260.47	290.79	0.53
59.29	147.58	0.45
104.77	202.14	0.49

138	225.61	0.51
181.56	249.4	0.53
216.11	266.27	0.54
251.87	284.16	0.55
32.11	111.23	0.99
57.5	140.54	1.01
78.22	160.09	1
110.11	202.08	1.01
133.73	219.11	1.01
155.68	231.57	1.03
35.06	146.66	1
59.94	160.96	1.01
80.34	174.22	1
107.67	192.26	1.02
131.76	208.95	1.01
155.97	223.01	1.01
34.03	94.57	0.84
78.26	133.61	0.62
124.75	252.53	0.62
183.95	265.82	0.53
224.05	274.45	0.52
262.46	282.45	0.52
82.26	141.95	0.27
143.47	167.48	0.28
181.13	184.52	0.3
222.26	203.82	0.35
250.02	221.11	0.4
278.01	236.15	0.44
67.13	112.61	0.33
121.94	173.56	0.36
161.62	221.49	0.4
215.77	291.52	0.44
251.25	298.53	0.46
285.33	305.26	0.48
59.15	108.45	0.39
115.94	181.59	0.4
155.89	243.95	0.44
207.14	295.08	0.47
241.13	302.56	0.49
273.22	308.95	0.51

45.3	87.7	0.53
107.32	195.9	0.47
146.43	262.3	0.5
195.08	304.19	0.52
227.6	337.81	0.55
261	362.94	0.58
26.86	41.99	0.8
89.07	202.98	0.61
123.11	267.44	0.64
171.53	359.07	0.68
204.57	366.86	0.69
237.65	371.48	0.69
26.61	40.23	0.79
70.2	161.14	0.8
119.27	280.86	0.7
158.39	293.42	0.7
188.48	317.17	0.72
221.22	340.53	0.72
26.73	41.19	0.79
55.44	69.4	0.75
121.56	261.91	0.66
154.28	276	0.71
182.26	284.76	0.73
210.48	292.49	0.74
26.6	40.75	0.8
60.57	90.47	0.75
97.84	208.01	0.81
148.21	254.78	0.72
179.06	266.61	0.72
210.35	277.07	0.72
35.13	45.79	0.56
88.62	145.65	0.54
118.95	169.53	0.55
178.6	255.99	0.55
211.62	265.91	0.56
244.64	275.56	0.57

Memorandum

To: *Ron Emmons, City of Fair Oaks Ranch, TX*

From: *CDM Smith*

Date: *October 9, 2017*

Subject: *Task 2.5 Policy Evaluation Related to Development*

The City of Fair Oaks Ranch currently plans and manages stormwater constructed as part of new development projects under Chapter 10 of its City codes, entitled 'Subdivision Regulations.' This policy specifically addresses only new development projects. The purpose of this memorandum is to highlight current policies set forth in the Subdivision Regulations (as of May 1, 2017), summarize the policy's impact on stormwater planning and improvements, and provide recommendations for future stormwater policy options.

Section 10.03.002 of the City's code highlights two specific stormwater policies that the City shall consider when reviewing a new development:

- "Extension of public facilities and services to the property under the agreement should not compromise the city's ability to timely provide adequate public facilities to property inside the city or degrade environmental resources;
- Water quality impacts arising from the proposed development should be mitigated by measures provided in the development agreement."

The following key criteria support these policies currently in the Subdivision Regulations. Each criterion is evaluated with recommendations to modifications presented. It is recommended that the drainage requirements included in Section 10.03.002 be removed from the ordinance and placed in a new drainage criteria manual that would be developed to be consistent with the recommendations of this memorandum. This includes the items identified below. It is also recommended that the requirements of the ordinance be simplified such that it only requires the submittal of a drainage study in accordance with the requirements of the drainage manual for all new development and redevelopment.

Article V, Section 1. The developer shall "provide an adequate storm drainage system to protect each lot throughout the subdivision from flooding."

Evaluation:

The Subdivision Regulations do not define a measurable parameter or level of service for an adequate storm drainage system to protect a lot from flooding. The level of service definition for flooding is also not defined.

Recommendation:

It is recommended to add a specific levels of service subsection. Article V, Section 1 could be revised to read such as follows:

The developer shall provide a storm drainage system to meet a level of service as defined in this section. A storm drainage system shall be provided that is capable of conveying the peak discharge generated by the 100-yr storm. Note peak flows may be reduced by detention or other on-site storage. This conveyance may be enclosed or open, or a combination of both.

1. *Property not reserved or designed for conveying stormwater shall be protected from frequent inundation of the 10-yr storm as follows:*
    a. *When the total drainage area is less than 2 acres, protection may be provided by following good lot grading practices, such as*
        i. *clearly defining areas of disturbance and grading to protect and preserve natural and hydrologic features (natural soils, vegetation, hillsides, conservation areas, karst features, existing natural waterways, and wetlands), and*
        ii. *minimize site grading and areas of disturbance and isolating areas where construction activities will occur*

    or by one of the conveyances described below in item 1b.
    b. *When the total drainage area is 2 acres or more, one of the following conveyances must be used to convey the 10-yr storm:*
        i. *Pipe system conveying the design storm;*
        ii. *Engineered open channel;*
        iii. *A street gutter when the velocity of stormwater during a 10-yr storm is less than 10 cfs;*
        iv. *A natural stream.*
2. *Buildings shall be protected from the 100-yr storm by:*
    a. *Providing a minimum of one-foot freeboard above the 100-yr storm stage, at any point along the drainage system, for openings in a building. For lakes and detention basins, the 100-yr storm stage will be the water surface of flow through the defined emergency spillway.*
    b. *Flood-proofing a building below the 100-yr stormwater surface elevation plus one foot of freeboard in accordance with the current edition of the International Building Code or as required by the City.*

3. *Street Crossings. Concentrated flow shall be conveyed under streets (by roadway classification as detailed below in items a, b, and c). New and/or redevelopment of land that drains to a street crossing must evaluate the stormwater runoff impact to said crossing, and either improve the crossing to meet the standards set in this section or retain stormwater within the development site to pre-development conditions. These crossing may be bridges, culverts, or underground systems. Crossings will be designed to completely convey flood flows using streets as part of the stormwater conveyance system in accordance with the following criteria:*

    a. *Street Classification = Arterial; Minimum Design Storm Capacity = 50-yr*

    b. *Street Classification = Collector; Minimum Design Storm Capacity = 25-yr*

    c. *Street Classification = Residential; Minimum Design Storm Capacity = 10-yr*

    Overflow depths for the 100-yr storm at the low point in the roadway crossing will be limited to 7 inches measured at the high point in the roadway cross section.

4. *Downstream impacts of increased impervious area resulting from development shall be mitigated through detention and/or green infrastructure. Peak runoff control shall be provided for the 100-yr, 10-yr, and 2-yr storms and volumetric and/or extended detention control of the annual mean storm event shall be provided. The maximum release rate from any development or redevelopment shall be as follows:*

    a. *2-yr storm peak rate less than or equal to 0.5 cfs per site acre*

    b. *10-yr storm peak rate less than or equal to 2.0 cfs per site acre*

    c. *100-yr storm peak rate less than or equal to 3.0 cfs per site acre*

    d. *Annual storm. 40-hour extended detention or other City approved green infrastructure.*

Article V, Section 1. "The system shall be integrated with the overall drainage system of the city."

Evaluation:

Currently, the Subdivision Regulations do not define the 'overall drainage system' for the City. This leaves the policy open to interpretation by both the applicant/developer and the City.

Recommendation:

It is recommended to define the terminology 'overall drainage system'. A suggestion for this definition is: *Any existing collection, conveyance, or storage stormwater infrastructure within the defined street right-of-way and/or existing platted easement, and drainage paths as defined by the City.*

Article V, Section 2. "….The drainage study shall provide the following information, for both existing and fully developed conditions:

1. ***The entire watershed drainage area(s), depicted on a 7.5 minute series U.S.G.S. map***
2. ***The drainage area(s) within the subdivision, depicted on a topographic map with two-foot contour intervals.***
3. ***Composite runoff factors.***
4. ***Times of concentration.***
5. ***Related rainfall intensity factors.***
6. ***25- and 100-year flood flow quantities with the 100-year floodplain limits for the existing and fully developed watershed shown on the preliminary plat.***
7. ***Preliminary street grades sufficient to determine high points, low points, and direction of runoff flows.***
8. ***Proposed locations of inlets, storm sewers and culverts.***
9. ***Proposed routing of drainage ways.***
10. ***All proposed drainage easements, including width of easement and configuration of channel."***

Evaluation:

While the Subdivision Regulations do provide base requirements for a submittal, there is an opportunity to define some of the drainage study requirements more in-depth, providing consistent design parameters for the City and the development community.

Recommendation:

The following recommendations would provide clarity and consistency to this section of the Subdivision Regulations:

- Replace item (1) with defined drawing scales for use in the stormwater plans. For example:
  - Drainage Area Map (Onsite): 1 inch = 200 feet; Drainage Area Map (Entire Drainage Area): 1 inch = 1,000 feet
  - Plan: 1 inch = 20 feet
  - Profile (Vertical): 1 inch = 5 feet; Profiled (Horizontal): 1 inch = 20 feet
- Add the following to item (2). Identify and locate all existing and proposed drainage features. Show defined street right-of-way and/or existing platted easement, and drainage paths as defined by the City's most current hydrologic and hydraulic model. Also modify language to require both existing and proposed 2-foot contours.
- For items (3), (4), and (5) define what runoff factors, time of concentration criteria, and rainfall intensity factors should be used. This can be a reference to another community's criteria.

- Remove '25-year and 100-year flow quantities' from item (6). All flow calculations should be part of separate hydrologic and hydraulic tables submitted on the plan set.
- Add a requirement for a hydrologic table, hydraulic table, and storage and/or green infrastructure table that summarizes parameters and calculations. Another community's criteria can be referenced for these general requirements, or, the City may choose to develop these requirements.

Article V, Section 3, C. "Streets may be used for stormwater drainage only if the calculated stormwater flow does not exceed the height of the curb and the velocity does not exceed 10 feet per second."

Evaluation:

A more comprehensive level of service section can provide details on stormwater infrastructure options for meeting a defined storm event.

Recommendation:

See Recommendation for Article V, Section 1.

Article V, Section 3, C. "Residential streets and all other collector or arterial streets shall be designed on a basis of at least a 10-year storm frequency. Where streets are not capable of carrying stormwaters as required...., drainage channels or storm sewers shall be provided. Street width shall not be increased solely to accommodate drainage."

Evaluation:

A more comprehensive level of service section can provide details on stormwater infrastructure options for meeting a defined storm event.

Recommendation:

See Recommendation for Article V, Section 1.

Article IV, Section A, 2. "Surface drainage from private property shall be taken to streets, alleys, or drainage courses as quickly as possible and that drainage water from streets and alleys be taken to defined drainage courses as quickly as possible. Using streets and alleys as major drainage courses is not permitted."

Evaluation:

This section uses the terminology 'as quickly as possible'; however, with stormwater overland flow, attention needs to be focused on minimum grades away from buildings, and conveying stormwater in natural flow paths. 'Defined drainage course' and 'major drainage courses' are not defined, and left open to interpretation. Building permit plans showing grading for individual lots may assist in ensuring that the City's overall drainage system is retained.

Recommendation:

The following revised language is recommended in this section:

Private property shall maintain positive grades of at least 2% away from habitable structures towards lot lines. Surface drainage from private property shall be graded toward existing

collection, conveyance, or storage stormwater infrastructure within the defined street right-of-way and/or existing platted easement, and drainage paths as defined by the City's most current hydrologic and hydraulic model.

For the City to preserve natural drainage paths and ultimately protect the interests of private property owners, the following data is required on plot plans submitted as part of the building permit application process: existing and proposed contours; existing point elevations at all lot corners; proposed point elevations at all lot corners; existing stormwater collection, conveyance, or storage infrastructure; street right-of-way; existing and/or proposed platted easement; drainage paths as defined by the City's most current hydrologic and hydraulic model; low opening elevations for structure.

Additional Recommendations:

Defined Use on Public Projects

The Subdivision Regulations is most clearly written for implementation on development projects. There is an opportunity to clarify its use and/or reference on all projects within the City, providing the City drainage criteria on its own projects into the future. It is recommended to further investigate how policy could be incorporated to address linear projects within City right-of-way and easements, most specifically evaluating viable levels of service in the existing developed areas.

Beyond ETJ

A significant amount of stormwater drainage is conveyed through the City, making its way toward Cibolo Creek. However, the City can only control development characteristics within its boundaries. As the volume of this stormwater is directly tied to the impervious area, we recommend that the City initiate conversations with jurisdictions controlling stormwater runoff upstream of the City limits, in particular downstream impacts of the 100-yr, 10-yr, and 2-yr storm events. Other jurisdictions may be open to the City's review of development proposing significant addition of impervious area to the watershed.

Memorandum

To: *City of Fair Oaks Ranch*

From: *CDM Smith*

Date: *May 16, 2017*

Subject: *City of Fair Oaks Ranch GIS Data Review*

This memo describes the results of the review performed by CDM Smith on data received by the City of Fair Oaks Ranch, assesses the completeness and accuracy of their data to meet City drainage and MS4 needs, identifies limitations of the data, and offer recommendations. For the purposes of this project, we also acquired data through third party sources in support of the master drainage plan and MS4 services. All data that we use for completion of the project will be provided to the City prior to completion of this project. Data received are summarized in the attached spreadsheet by source – City of Fair Oaks Ranch or third party provider. Also, included are file names descriptions, coverage area, attribution and additional comments.

Generally, both data received from the city and third party sources were found to be complete, accurate and useful in supporting the project. Regarding completeness, a few notable exceptions do exist in which coverage is confined to the center portion of the city – approximately 25% of the area. These features are related to drainage infrastructure and include:

- Lift Stations
- Culverts, Curb Cutouts
- Manholes
- Wastewater lines/force main

Additionally, regarding accuracy, the modeled open channels do not agree with the aerial photography in several areas. Other than these items, CDM Smith found no major issues and was able to clarify any concerns.

At this time, CDM Smith recommends completing the drainage infrastructure dataset using the outfall inspection application created during this project effort. The mobile application proposed under Task 4.2 is highly configurable and will allow for a far more efficient updating process. In addition, CDM Smith can work with the city in advance of any field work to identify additional attributes for possible collection that may offer a long term benefit.

Provided by COFOR

GIS Layer	Description	Coverage	Attributes	Notes
Known Drainage Issues	Known Drainage Issue Locations	Complete	Minimal	Includes media files - photos and videos with an index spreadsheet
OutfallPts	Outfalls	Complete	Yes	
Lift Stations	Lift Stations	Partial	Yes	Data confined to the center portion of the city - 25%.
Drainage Features	Culverts, curb cutouts, ets	Partial	Yes	Data confined to the center portion of the city - 25%.
Manholes	Manholes	Partial	Yes	Data confined to the center portion of the city - 25%.
Modeled Open Channels	Stream centerlines w/model info	Complete	Yes	Several areas of misalignment with channel when viewed over aerial photo. Confirmed with modeling team - refinement is not necessary
WasteWater_Lines	Waste water lines	Partial	Yes	Data confined to the center portion of the city
WasteWater_ForceMain	Waste water force main	Partial	Yes	Data confined to the center portion of the city
RoadCenterLines	Roads	Complete	Yes	
txdot-2015-city-poly_tx	Political Boundary	Complete	Yes	Confirmed with county this IS NOT to be used as the COFOR boundary
Future Growth Areas	Future Growth Areas	Complete	Yes	
Subdivision Units	City subdivisions	Complete	Yes	
Jurisdictional	City and extra-jurisdictional boundaries	Complete	Yes	Use for COFOR boundaries
Drainage_Type	Curbless or Curb/Gutter drainage	Complete	Yes	
CiboloCreek_RainEvent_5_26_2015	Water levels	Complete	Yes	
Parcels	Tax parcel boudaries	Complete	Yes	
nhd	National Hydrologic Data - High Res	Complete	Yes	For high level analysis. May not be accurate for detailed work
usgsgridclip4	USGS 10 foot DEM	Complete	Yes	
LiDAR	Contour data for COFOR	Complete	Yes	Developed by San Antonio River Authority
Roadway Reconstruction, Drainage and Water System Improvements Project 100% Design Plans - July 2016	100-percent design plans for reconstruction of Fair Oaks Parkway and Dietz Elkhorn Drive, with some residential road improvements	Complete	NA	Completed by Pape-Dawson Engineers
As-Builts for Intersection Improvements at Slumberwood and Fair Oaks Parkway	As-built drawings for road intersection improvements at the intersection of Fair Oaks Parkway and Slumberwood	Complete	NA	Completed by Pape-Dawson Engineers
Storm Water Management Plan, June 2014	Management Plan developy to comply with the requirements of City's Pollutant Discharge Elimination System General Permit No. TXR040000 for permit term 2014-2019	Complete	NA	Completed by LNV, Inc
Stormwater Drainage Improvements Report 2009	Report summarizing improvements for the City developed previously.	Complete	NA	Developed by Costello, Inc Engineering & Surveying
Phase II MS4 Annual Report Form	Created for 2014 report	Complete	NA	

Provided by 3rd Party

Land Use/Land Cover/Impervious Surface	LULC data	Complete	Yes	Updated by CDM Smith to include changes in newly developed areas
DFIRM Database	FEMA flood hazard data	Complete	Yes	Full flood hazard deliverables for Bexar, Comal and Kendall counties.
US Department of Agriculture National Soil Survey Data	Downloaded March 2017	Complete	Yes	

Memorandum

To: *City of Fair Oaks Ranch*

From: *CDM Smith*

Date: *May 22, 2018*

Subject: *City of Fair Oaks Ranch Stakeholder Surveys*

This memorandum describes the results of the surveys performed by CDM Smith during the preparation of the City of Fair Oaks Ranch stormwater master plan. The memo outlines the questions and responses for the surveys. Two surveys were conducted using the online survey website, Survey Gizmo. The results of the surveys suggest that the highest priority for respondents for the City funded drainage projects is to address flooding. The second is water quality and the third is cost. The respondents were generally supportive of multiple funding types, including bond programs, grant funding, stormwater utility, and public-private partnerships.

The first survey was conducted before stakeholder workshop 3. There were 4 total respondents for the survey. The survey was given to develop an understanding about the stormwater flood control level of service that stakeholders would like in the City of Fair Oaks Ranch. There were seven (7) questions that focus on the level of service for storm events. The responses to the survey were that:

1. 3 of 4 (75%) responded that most roads should be passable during a 2-year (3.3 inch) storm event, but not all should be passable. One (25%) person responded that all roads should be passable.
2. All respondents suggested that emergency roads should be passable during the 100-year storm.
3. All respondents suggested that the acceptable length of time for a road to be flooded is hours not days.
4. All respondents stated that the stormwater system should be designed to address future growth, not just current levels of development.
5. Three of four (75%) responded that everyone should fund the fixes to the existing storm drain system to achieve the selected level of service. One person (25%) responded that everyone should not.
6. Two of four (50%) responded that the level of service should be dependent on the type of road (e.g. local, collector, arterial, highway). Two of four (50%) responded that the level of service should not depend on this.
7. Two of four (50%) responded that the level of service should be greater for new development than for existing development. Two of four (50%) responded that it should not.

The second survey was conducted before stakeholder workshop 4. The purpose of the survey was to get additional information about the level of service that the stakeholders would like to see in the City and to define stakeholder priorities for flood control projects. To increase the number of respondents, additional notice was provided for the survey to make sure that stakeholders were aware and able to take the survey. There were 17 total respondents for the survey. There were 13 questions in the survey. Seven of the questions were repeated from the previous survey, and additional questions were included about priorities for flood control projects (questions 8 through 12). The last question intended to identify other concerns not included in the rest of the survey. The responses to the survey were that:

1. 9 of 17 (52.9%) responded that most roads should be passable during a 2-year (3.3 inch) storm event, but not all should be passable. 7 of 17 (41.2%) responded that all roads should be passable. One respondent responded that only emergency roads should be passable.
2. All respondents suggested that emergency roads should be passable during the 100-year storm.
3. 16 of 17 (94.1%) of respondents suggested that the acceptable length of time for a road to be flooded is hours not days. 1 respondent suggested that days is acceptable
4. 13 of 17 (76.5%) respondents stated that the stormwater system should be designed to address future growth, not just current levels of development. 4 stated that it should be designed to meet only the current level of development.
5. 12 of 17 (70.6%) responded that everyone should fund the fixes to the existing public storm drain system to achieve the selected level of service. 5 of 17 (29.4%) stated that everyone should fund fixes for both private and public infrastructure.
6. 14 of 17 (82.4%) responded that the level of service should be dependent on the type of road (e.g. local, collector, arterial, highway). 3 of 17 (17.6%) disagreed with that statement.
7. 11 of 17 (64.7%) responded that the level of service should be greater for new development than for existing development. 6 of 17 (35.3%) responded that it should not.
8. 94.1% of respondents stated that a bond program should be considered by the City to fund flood control projects. 82.4% stated that grant funding opportunities should be considered. 76.5% stated that a stormwater utility should be considered. 70.6% responded that public-private partnerships should be considered.
9. The flooding priorities when selecting flood control projects were ranked. The highest ranked consideration was achieving the level of service and access. The second was historic flooding of structures. The third was the size of the area impacted.
10. The highest priority water quality concern for selection of flood control projects was meeting the water quality permit requirements. The rest of the concerns in order of rank were erosion / sediment loss, protection of habitat, trash in receiving waters, and maintaining uses and safety for the public.
11. The highest priority general benefits for flood control projects were: 1) the importance to community / social benefit, 2) the association with other projects, 3) the rate of growth, 4) recreational benefits, 5) educational benefits.
12. Of all the categories to prioritize flood control projects, flooding was the highest priority, water quality was second, cost was third, and other benefits (from question 11) was fourth.

13. Other concerns stated by respondents were:
    a. New developments to handle 100% of storm water cleaning onsite prior to a slower rate of discharge.
    b. The accessibility of first responders to reach all areas of the City. The implementation of flood warning devices to allow for mechanical road closure vs using public safety personnel.

Memorandum

To: *Ron Emmons, P.E. – City of Fair Oaks Ranch*

From: *Dr. Tina Petersen, P.E., CDM Smith, Inc.*

Date: *November 7, 2018*

Subject: Funding Opportunities

Introduction

Several agencies offer support for drainage and municipal separate storm sewer system (MS4) permit compliance related activities in the form of grants and loans for eligible applicants. The Federal Emergency Management Agency (FEMA), the Texas Water Development Board (TWDB), and the San Antonio River Authority (SARA) all have funding programs that are applicable to the programs of the City of Fair Oaks Ranch. Opportunities from each organization are summarized below. Note, the funding estimates are the total for the program, unless stated otherwise.

FEMA

FEMA offers two federally funded grant programs that are administered locally by the TWDB.

Pre-Disaster Mitigation[1]

- Type: Grant
- Relevant Uses: implement and sustain cost-effective measures designed to reduce the risk to individuals and property from natural hazards, while also reducing reliance on federal funding from future disasters.
- Applicants: States; local governments must apply through their state. These grants are competitive.
- Availability: Annual, closing date – January 31, 2019
- Funding: approximately $235 million, award ceiling of $37.4 million
- Application process: Mitigation eGrants system on the FEMA Grants Portal[2]

[1] https://www.fema.gov/pre-disaster-mitigation-grant-program
[2] https://portal.fema.gov

Flood Mitigation Assistance (FMA)[3,4]

- Type: Grant
- Relevant Uses: to reduce or eliminate the risk of repetitive flood damage to buildings and structures insured under the National Flood Insurance Program (NFIP)
    - FMA Planning Grants: develop or update the Flood Hazard component of the Multi-Hazard Mitigation Plan, no more than $25,000 for each award
    - FMA Project Grants: acquisition and demolition or relocation of structures, structure elevation, mitigation reconstruction, minor localized flood reduction projects, dry flood-proofing of non-residential properties and historic residential properties, structural retrofitting of existing buildings, non-structural retrofitting of existing buildings and facilities, infrastructure retrofit, and soil stabilization.
- Applicants: States; local governments must apply through TWDB in Texas[5]
    - Any community applying for an FMA Project Grant must have an approved Multi-Hazard Mitigation plan
- Availability: Annual, closing date: January 31, 2019
- Funding: approximately $160 million: $70 million for community flood risk and $90 million for severe repetitive loss and repetitive loss properties.
- Application process: submitted during RFA time frame, to TWBD application form and FEMA's eGrants Portal[2]

SARA

SARA has a quarterly grant program for political subdivisions within the Edward's Aquifer recharge and contributing zone.

00131 Proposition 1, the Edwards Aquifer Protection Venue Project[6]

- Type: Grant
- Relevant Uses: Edwards Aquifer protection projects that will protect and improve Edwards Aquifer water quality such as new construction, retrofit, research studies, barrier removal, and incentives. Relevant example funded projects[7]:
    - Implementation of a Low Impact Development Test Bed at the UTSA Main Campus, $1M
    - Proposal for Stormwater Retrofit and Research Project, $350K

[3] https://www.fema.gov/flood-mitigation-assistance-grant-program
[4] http://www.twdb.texas.gov/publications/shells/Floodmitigationassistance.pdf
[5] https://www.twdb.texas.gov/flood/grant/fma.asp
[6] https://www.sara-tx.org/public-information/about-sara/contracting-opportunities/solicitation-details/?event=214
[7] http://saprop1edwardsprojects.org/recommended-funding-projects/

- Roof Top Harvesting and Stormwater Disbursement over the Edwards Aquifer Recharge Zone: A Retrofit for Previously Untreated Impervious Cover, $1M

- Applicants: Political Subdivisions within urbanized areas of Bexar County's recharge and contributing zones
- Availability: Application accepted four times annually until December 2020:
  - end of March, June, September, and December
  - next deadline: December 28, 2018 at 2:00 PM CT
  - two pre-submittal conferences should be announced soon
- Funding: $10 million
- Application Process: attend pre-submittal conference and submit RFA[8] by quarterly deadline

TWDB[9]

The TWDB has multiple grant, loan, and subsidy programs for diverse projects. They are hosting regional financial assistance workshop in Kerrville on November 8, 2018 at 10 AM.[10]

Clean Water State Revolving Fund (CWSRF)[11]

- Type: Loan - additional subsidies available for green projects.
- Relevant Uses: Stormwater and nonpoint source pollution control[12], reclamation/reuse projects, eligible green project reserve components, and disaster recovery[13].
- Applicants: Political Subdivisions; Privates are eligible to apply for non-point source pollution control projects.
- Availability: Year round
- Funding: approximately $525 million available on an annual basis but can be increased based on demand, ability to provide multi-year commitments
- Application process: invited to apply after submitting Project Information Form[14]

[8] https://www.sara-tx.org/wp-content/uploads/contracting_documents/RFA_131.pdf
[9] http://www.twdb.texas.gov/financial/programs/index.asp
[10] https://www.twdb.texas.gov/home/tabs/doc/hot/Regional_financial_assistance_workshop.pdf
[11] http://www.twdb.texas.gov/financial/programs/CWSRF/index.asp
[12] http://www.twdb.texas.gov/publications/shells/Nonpoint-Source-Pollution-Nat-Estuary-Program-1707.pdf
[13] http://www.twdb.texas.gov/publications/shells/Disaster_Recovery_Response.pdf
[14] http://www.twdb.texas.gov/financial/programs/pif.asp

Drinking Water State Revolving Fund (DWSRF)[15]

- Type: Loan - additional subsidies available for green projects, very small systems, and urgent need situations.
- Relevant Uses: Planning, acquisition, design and construction of water related infrastructure, including water supply, Source Water protection, eligible green project reserve components, flood resiliency projects, and disaster recovery[13].
- Applicants: Community water system owners and nonprofit Non-Community water system owners are eligible to apply for the funding. This includes Political Subdivisions of the State and private individuals.
- Availability: Year round
- Funding: approximately $250 million annually
- Application Process: invited to apply after submitting Project Information Form[14]

Flood Protection Grants[16]

- Type: Grant
- Relevant Uses: flood protection planning, flood early warning systems, or the implementation of local strategies for alerting and responding to floods
- Applicants: political subdivisions in Texas that have the authority to plan for and implement projects related to flood protection
- Availability: Closed for the year but expected to open again September 2019
- Funding: $4 million requested
- Application Process: complete RFA[17]

Green Project Reserve (GPR)[18]

- Type: Subsidy
- Relevant Uses: utilize green or soft-path practices to complement and augment hard or gray infrastructure, help utilities adapt to climate change, adopt more sustainable solutions to wet weather flows, promote innovative approaches to water management problems
- Applicants: Eligible CWSRF and DWSRF projects that meet green eligibility criteria[19]

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[15] https://www.twdb.texas.gov/financial/programs/DWSRF/index.asp
[16] http://www.twdb.texas.gov/about/contract_admin/request/RFA-Flood/index.asp
[17] http://www.twdb.texas.gov/about/contract_admin/request/rfa-flood/doc/RFA_instructions.pdf
[18] http://www.twdb.texas.gov/financial/programs/GREEN/index.asp
[19] http://www.twdb.texas.gov/financial/instructions/doc/TWDB-0161.pdf

- Availability: in conjunction with CWSRF and DWSRF projections
- Funding: Subsidized funding to eligible projects with green component costs greater than or equal to 30% of the total project cost. Eligible projects may receive up to 15% in principal forgiveness of the green component costs.
- Application Process: Green project status based on preliminary information submitted on the Project Information Form. Applicants complete Green Project Information Worksheets during application phase to be considered for GPR funding.

Texas Water Development Fund (DFund)[20]

- Type: Loan
- Relevant Uses: construction of storm water retention basins, enlargement of stream channels, modification or reconstruction of bridges, acquisition of floodplain land for use in public open space, relocation of residents of buildings removed from a floodplain, flood warning systems, development of flood management plans
- Applicants: Political Subdivisions of the State and nonprofit Water Supply Corporations.
- Availability: As needed.
- Funding: TWDB will sell bonds as needed to obtain proceeds for DFund which will be used to fund loans for applicants.
- Application Process: schedule a pre-application conference with TWDB Regional Project Implementation Team[21]

cc: [Click here to enter name]

[20] http://www.twdb.texas.gov/financial/programs/TWDF/index.asp
[21] http://www.twdb.texas.gov/financial/programs/swift/regional_project_teams.asp

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Agency	Fund Name	Type	Relevant Uses	Eligible Applicants	Availability	Funding	Application Process
FEMA	**Pre-Disaster Mitigation**	Grant	implement and sustain cost-effective measures designed to reduce the risk to individuals and property from natural hazards, while also reducing reliance on Federal funding from future disasters.	States, Local governments must apply through their state, competitive	Annual, closing date: January 31, 2019	approximately $235 million, award ceiling of $37.4 million	Mitigation eGrants system on the FEMA Grants Portal
	Flood Mitigation Assistance (FMA)	Grant	to reduce or eliminate the risk of repetitive flood damage to buildings and structures insured under the National Flood Insurance Program (NFIP) • FMA Planning Grants: develop or update the Flood Hazard component of the Multi-Hazard Mitigation Plan, no more than $25,000 each • FMA Project Grants: acquisition and demolition or relocation of structures, structure elevation, mitigation reconstruction, minor localized flood reduction projects, dry flood-proofing of non-residential properties and historic residential properties, structural retrofitting of existing buildings, non-structural retrofitting of existing buildings and facilities, infrastructure retrofit, and soil stabilization.	States; Local governments must apply through TWDB in Texas • community applying for an FMA Project Grant must have an approved Multi-Hazard Mitigation plan	Annual, federal closing date: January 31, 2019,	approximately $160 million: $70 million for community flood risk and $90 million for severe repetitive loss and repetitive loss properties.	submitted during RFA time frame, to TWBD application form and FEMA's eGrants Portal4

Agency	Fund Name	Type	Relevant Uses	Eligible Applicants	Availability	Funding	Application Process
SARA	**00131 Proposition 1, the Edwards Aquifer Protection Venue Project**	Grant	Edwards Aquifer protection projects that will protect and improve Edwards Aquifer water quality such as new construction, retrofit, research studies, barrier removal, and incentives.	Political Subdivisions within urbanized areas of Bexar County's recharge and contributing zones	Application accepted four times annually until December 2020: • end of March, June, September, and December • next deadline: December 28, 2018 at 2:00 PM CT	$10 million	attend pre-submittal conference and submit RFA by quarterly deadline
TWDB	**Clean Water State Revolving Fund (CWSRF)**	Loan - additional subsidies available for green projects.	Stormwater and nonpoint source pollution control, reclamation/reuse projects, eligible green project reserve components, and disaster recovery	Political Subdivisions; Privates are eligible to apply for non-point source pollution control projects.	Year round	approximately $525 million available on an annual basis but can be increased based on demand, ability to provide multi-year commitments	invited to apply after submitting Project Information Form

Agency	Fund Name	Type	Relevant Uses	Eligible Applicants	Availability	Funding	Application Process
	Drinking Water State Revolving Fund (DWSRF)	additional subsidies available for green projects, very small systems, and urgent need situations.	Planning, acquisition, design and construction of water related infrastructure, including water supply, Source Water protection, eligible green project reserve components, flood resiliency projects, and disaster recovery.	Community water system owners and nonprofit Non-Community water system owners are eligible to apply for the funding. This includes Political Subdivisions of the State and private individuals.	Year round	approximately $250 million annually	invited to apply after submitting Project Information Form
	Flood Protection Grants		flood protection planning, flood early warning systems, or the implementation of local strategies for alerting and responding to floods	political subdivisions in Texas that have the authority to plan for and implement projects related to flood protection	Closed for the year but expected to open again September 2019	$4 million requested	complete RFA
	Green Project Reserve (GPR)	Subsidy	utilize green or soft-path practices to complement and augment hard or gray infrastructure, help utilities adapt to climate change, adopt more sustainable solutions to wet weather flows, promote innovative approaches to water management problems	Eligible CWSRF and DWSRF projects that meet green eligibility criteria	in conjunction with CWSRF and DWSRF projections	Subsidized funding to eligible projects with green component costs ≥ 30% of the total project cost. up to 15% in principal forgiveness of the green component costs.	Green project status based on information submitted on the Project Information Form. Complete Green Project Information Worksheets during application phase

Agency	Fund Name	Type	Relevant Uses	Eligible Applicants	Availability	Funding	Application Process
	Texas Water Development Fund (Dfund)	Loan	construction of storm water retention basins, enlargement of stream channels, modification or reconstruction of bridges, acquisition of floodplain land for use in public open space, relocation of residents of buildings removed from a floodplain, flood warning systems, development of flood management plans	Political Subdivisions of the State and nonprofit Water Supply Corporations	As needed	TWDB will sell bonds as needed to obtain proceeds for DFund which will be used to fund loans for applicants.	schedule a pre-application conference with TWDB Regional Project Implementation Team

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