City of Vestavia Hills

Vestavia Hills Stormwater Masterplan Project and Drainage Study

Drainage Assessment Report

October 11, 2022

Prepared by:

Schoel Engineering Company, Inc.
1001 22nd Street South
Birmingham, AL 35205
205-323-6166

Table of Contents

1. Executive Summary

A Stormwater Masterplan Drainage Study was conducted to aid the City of Vestavia Hills in addressing the stormwater challenges the City and its residents face due to aged infrastructure combined with continual growth in both residential and commercial construction. As a result, Schoel has been tasked with evaluating the drainage system in the City of Vestavia Hills to determine the capacity of the existing system, identify constraints within the system and provide recommendations to the system to improve the stormwater network.

Based on field investigation and hydrologic modeling of the existing drainage system, the following conclusions can be made regarding the existing drainage system and are listed below:

Opinions on the Existing Storm Drainage System

1. There are approximately 4 main trunklines of the Vestavia Hills watershed: the east, the west, the central, and the southern trunkline. There are minor networks along the main trunklines that also influence the stormwater drainage network. The overall system is approximately 343 acres. There are 33 subbasins that drain to Vestavia Lake.

2. Much of the stormwater drainage network is undersized in the study area. Based on the topography, there is a presence of rock close to the surface making it difficult for large pipes to be installed deep underground which limits the size of pipes to adequately carry the stormwater during larger storm events.

Schoel Engineering and the City of Vestavia Hills has created mitigation alternatives to help convey stormwater into the pipes, increase capacity with depth restrictions, and prevent future flooding. These recommended improvements will reduce the frequency of flooding and volume of floodwater throughout the study area.

2. Overview

The Vestavia Hills drainage basin is approximately 343 acres that is composed mainly of residential and commercial properties that drains to Vestavia Lake, in Vestavia Hills, Alabama (**Figure 1**). A majority of the basin consists of residential areas (Vestavia Hills neighborhood and Country Club of Vestavia Hills), while the remaining portion of the basin consists of commercial developments (Chick-fil-A, Methodist and Lutheran churches, retail, etc). The upper limits of the watershed begin at the top of Shades Crest at Shades Crest Road and drains in a southern direction over steep, rocky topography into the

Vestavia Hills area. The Country Club of Vestavia Hills lies nearly along the eastern side of the watershed and borders the Vestavia Hills neighborhood. The western side of the basin borders Montgomery Highway and is densely developed with commercial properties.

Areas within Vestavia Hills watershed experience frequent flooding, with much of the flooding occurring in the eastern portion of the watershed, specifically Trousdale Street and Southwood Road vicinity. The area experiences flooding from storm events as small as a 1-year, 6-hour return period.

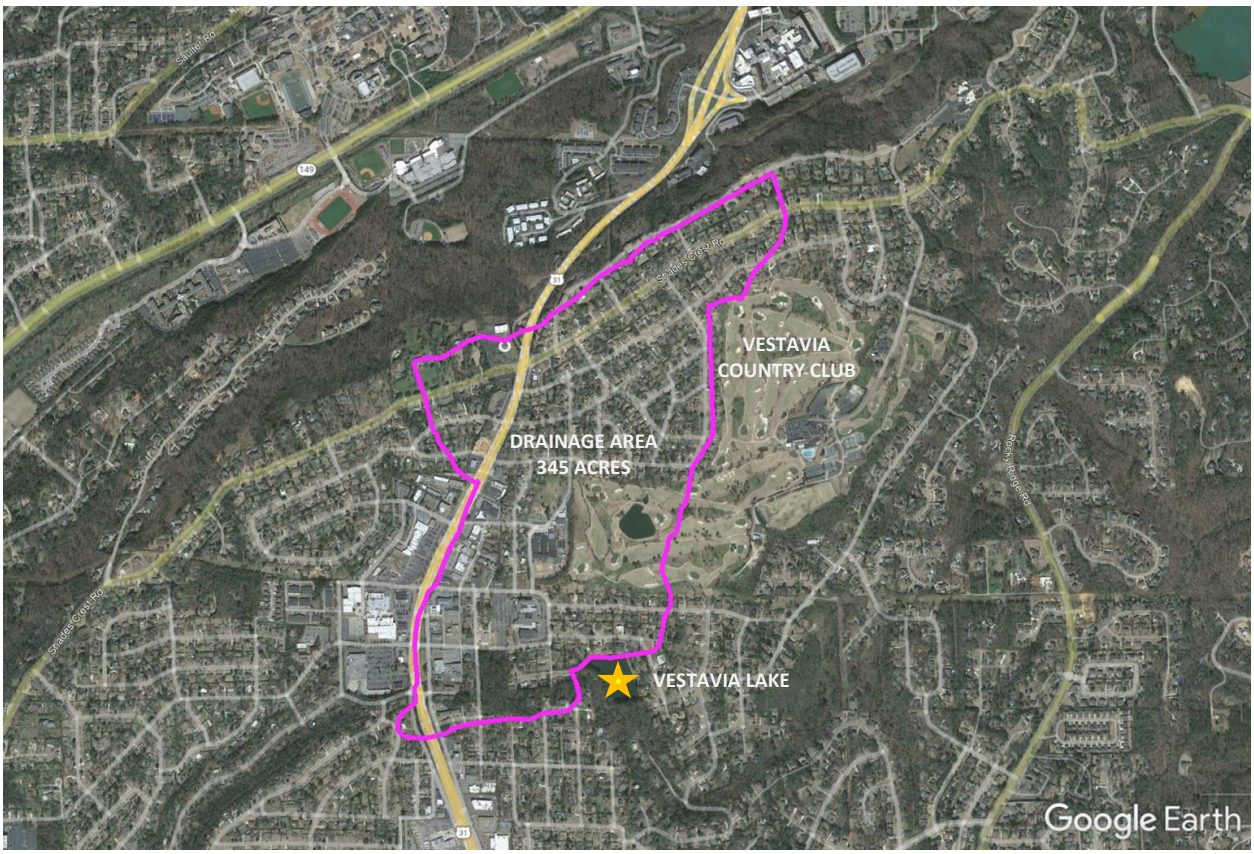


Figure 1 – Overview of the Vestavia Hills drainage basin. Google Earth Imagery dated March 6, 2021.

The frequent flooding and sensitivity of the drainage network to flood due to relatively small events has led to the need for a detailed hydrologic model to identify deficiencies within the system and develop solutions to improve capacity and reduce the frequency of flooding. Schoel Engineering was contracted in August 2021 by the City of Vestavia Hills to perform this analysis. The study focuses on both public versus private improvements and the existing drainage system.

An analysis of the existing major storm water system has been developed for the Vestavia Hills basin using the EPA sponsored SWMM model Version 5.1. This report summarizes the modeling process and presents the results of the existing conditions model. The model was then used as the basis for developing mitigation alternatives aimed at reducing the flooding in the Vestavia Lake drainage area. Mitigation alternatives have been developed and are presented in this report.

3. Modeling Methodology

A detailed hydrologic and hydraulic study has been completed for the Vestavia Hills existing storm water master plan drainage study using the hydrologic modeling software PCSWMM Version 7.4.3240 based on the EPA sponsored SWMM model Version 5.1.015.

Development of the existing conditions SWMM model was performed in five major steps: 1) data collection, 2) parameter development, 3) construct the model framework, 4) data entry, and 5) model calibration and verification. Where accessible, the major storm drain network was field surveyed to collect pipe size, shape, and elevation information as well as inlet and manhole elevation data. The limit of the detailed survey includes the Vestavia Lake outfall north to Shades Crest Road, and from the west side of the Country Club of Vestavia Hills Golf course west to Montgomery Highway. Several site visits were conducted during the initial data collection phase to characterize the system and confirm routing. Aerial photography and topographic data were obtained for delineating sub-basins and developing hydrologic parameters (area, SCS curve number) for the model. Soil maps were obtained for use in calculating the SCS curve numbers for each of the sub-basins.

Following data collection, hydrologic parameters were developed for input into the model for each of the sub-basins. These included SCS curve number (CN) and basin area.

Precipitation values obtained from the NOAA Atlas 14 Precipitation Frequency Data Server (https://hdsc.nws.noaa.gov/hdsc/pfds/pfds_map_cont.html) (**Appendix A**). The 2-, 5-, 10-, 25-, and 100-year, 24-hour and 6-hour design storms were evaluated in the SWMM model. The SCS Type III storm distribution was the selected precipitation distribution method. **Table 1 and 2** below are summary tables of the design rainfall totals used in the SWMM model obtained from NOAA Atlas-14.

Table 1 - NOAA Atlas 14 Total Precipitation for 24-hr Design Storms

Return Period	Rainfall Total, in
2-year, 24-hours	4.12
5-year, 24-hours	5.02
10-year, 24-hours	5.87
25-year, 24-hours	7.19
100-year, 24-hours	9.58

Table 2 - NOAA Atlas 14 Total Precipitation for 6-hr Design Storms

Return Period	Rainfall Total, in
2-year, 6-hours	2.86
5-year, 6-hours	3.45
10-year, 6-hours	4.00
25-year, 6-hours	4.82
100-year, 6-hours	6.24

While the model parameters were being developed, the model framework, or hydrologic and hydraulic connections, were being created within the SWMM interface. This process included defining the nodes (inlets, manholes, storage areas), links (pipes and overland channels), and the subbasin connections to the stormwater system. Once the model framework was created, the subbasin parameters, precipitation data, and hydraulic information were added to the model.

4. Analysis of the Existing Storm Drain System

The objective of this study is primarily aimed at identifying the constraints within the Vestavia Hills system to identify mitigation opportunities to reduce flooding in the study area. The existing conditions model was then used as the basis for developing mitigation alternatives aimed at reducing the flooding throughout the study area. This section includes an overview of the primary conveyance throughout the watershed and a discussion of the modeling results. Four primary trunklines are delineated for this study which are composed of 33 subbasins.

4.1 Overview of Primary Stormwater Conveyance System in Eastern Trunkline

The most upstream portion of the stormwater study in the eastern part of the watershed begins at the intersection of Chestnut Road and Sunset Drive (**Figure 2**). A 30-inch pipe travels west from the intersection. The pipe turns and travels between the homes of 300 Sunset Drive and 2211 Chestnut Road. The 30-inch pipe discharges

into an open channel behind the properties along Chestnut Road. The open channel then flows back into a 30-inch pipe between the homes of 2212 and 2208 Chanticleer Road. The 30-inch pipe near 2208 and 2212 Chanticleer Lane will not be adjusted in the mitigation recommendations because it is too close to the structures on the private properties. The 30-inch pipe from Chestnut Road and north of Chanticleer Lane are undersized and cannot contain the 1-year, 6-hour storm event. The 30-inch pipes are undersized.

The main trunkline, the 30-inch pipe, continues at the front eastern portion of private property at 2204 Chanticleer Lane and this location is confirmed through a drop yard inlet. The pipe travels southwest on Chanticleer Lane and rounds the corner to travel south on Trousdale Street. The trunkline pipe reduces from a 30-inch pipe at Chanticleer Lane to a 24-inch pipe along Trousdale Street. The 24-inch pipe then transitions back to a 30-inch before discharging into an open channel in the front of 428 Trousdale Street. Video footage from 428 Trousdale Street has been shared with the City showing water flooding the front yard of the property. Water that enters the open channel from valley gutters and the pipe overwhelm the channel causing water to spill out and flow through the property at 428 Trousdale Street. The system is overwhelmed even for a small storm event. This area is undersized and cannot contain the 1-year, 6-hour storm event.

The open channel extends south of the Longview Drive and Trousdale Street intersection. The main trunkline increases to a 42-inch pipe. The 42-inch pipe is undersized and does not provide protection for the 1-year, 6-hour storm event. The 42-inch pipe flows through a series of open channels and driveway bridges, specifically 440 Trousdale Street. The open channel eventually enters a 42-inch culvert that travels underneath the intersection of Trousdale Street and Southwood Road. The pipe then outfalls into an open channel that drains to the Country Club of Vestavia Golf Course between the homes of 2135 and 2133 Southwood Road. The Eastern trunkline is undersized and cannot contain the 1-year, 6-hour storm event.

In addition to the undersized stormwater network in the eastern trunkline, another constraint that is present along the Eastern trunkline is the amount of driveway spanners present along Trousdale Street. These driveway spanners impede runoff from the valley gutters. That excess water is then pushed out from the valley gutters and into the properties, such as 428 Trousdale Street, and the roadways.

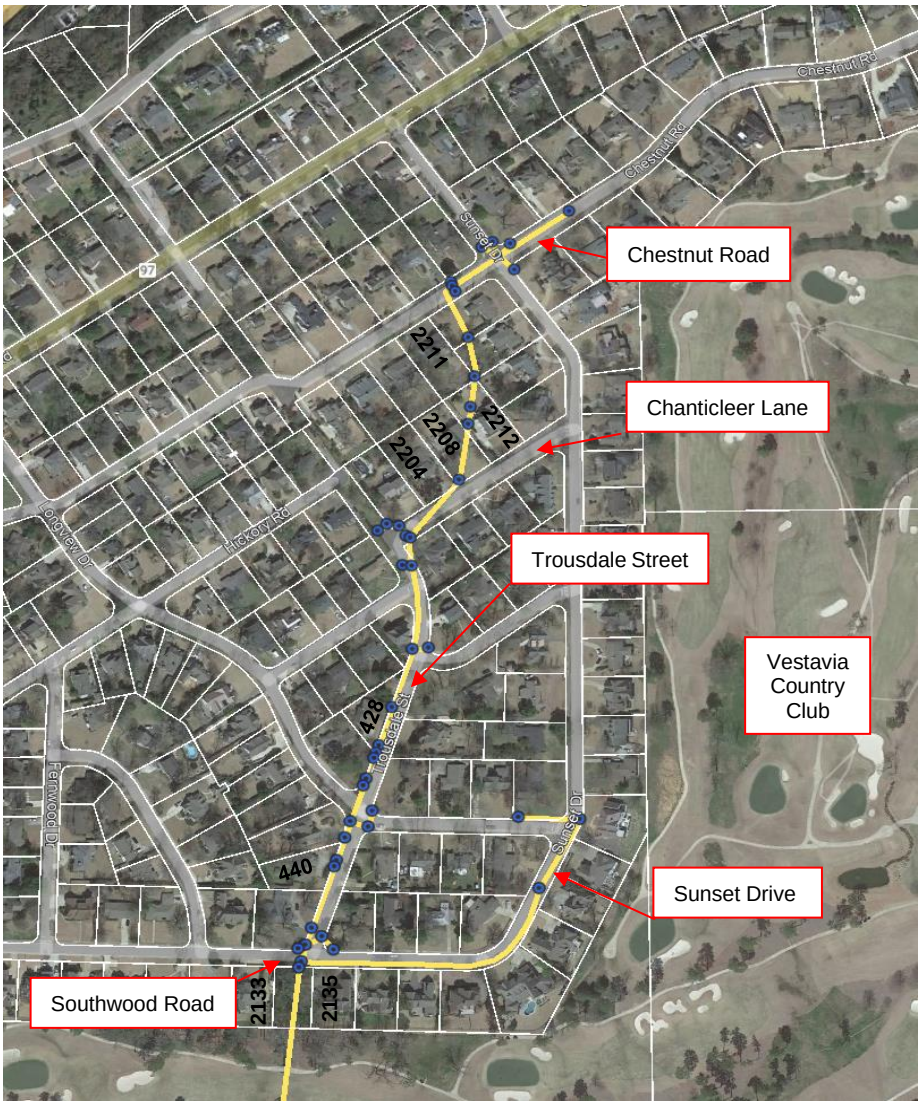


Figure 2 – Overview of the Eastern trunkline. Google Earth Imagery dated March 2022.

4.1.1 Local flooding in the Eastern Subbasin that is not along the main trunkline

South of the Chestnut Road and Sunset Drive intersection, runoff from the golf course travels between the properties of 301, 305, 309 Sunset Drive. The stormwater runoff jumps the driveway between 304 and 308 Sunset Drive. The water then travels along the driveway and property line of 308 Sunset Drive and enters through the garage. The topography suggests that the path of water between 304 and 308 Sunset Drive is the natural flow route (**Figure 3**). The runoff eventually discharges into the open channel behind 308 Sunset drive.

Figure 3 – Natural Direction of Flow from the Golf Course. Google Earth Imagery dated March 2022.

Approximately 2.5 acres drain to a grate inlet located in the valley gutter in front of 437 Sunset Drive. This inlet serves approximately 2.5 acres. The inlet drains to a 12-inch pipe that carries some of the water from the valley gutter to Biltmore Avenue where the 12-inch pipe daylights at the west side of the driveway located at 432 Biltmore Avenue. The stormwater is expected to flow through the valley gutters on Biltmore Avenue until it reaches 2 inlets located on either side of the street at the intersection of Biltmore and Trousdale Street; however, this is not the case. Some of the driveways located on Biltmore Avenue have driveway spanners which impede the flow of water through the valley gutters, leaving the capacity of the gutters limited. Water is then ejected from these valley gutters and enters the roadway and properties. For example, the resident located at 444 Biltmore Avenue have a driveway spanner with a small gap for water to flow through. Most of the time the gap is full of vegetation, dirt, and debris. At this location, the water that enters the valley gutter is ejected from their driveway spanner and flows towards the garage of the property at 444 Biltmore Avenue.

The excess water, that does not enter the grate inlet and has been ejected into the roadway from the various driveway spanners, bypasses Biltmore Avenue and continues down Sunset Drive. Along Sunset Drive, there are multiple driveway spanners located along the route. The spanners eject the water from the valley gutters and into the properties along the route before either entering the inlet at Southwood Road or pooling up in the depression at the intersection of Southwood Road and Trousdale Street. There are no other inlets or means for the stormwater to enter the system along Sunset and Southwood.

If the valley gutters did not have any restrictions, then the valley gutters on Sunset Avenue would have the ability to carry between the 5- and 10-year, 6-hour storm event.

4.1.2 Local flooding in the Eastern Subbasin – Longview Drive

There are no valley gutters at the intersection of Shades Crest Road and Longview Drive. Valley gutters do not appear on Longview Drive until 2040 Longview Drive and the corner of 2100 Longview Drive. There are no inlets nor pipes present from the top of the watershed until the corner of Hickory Road. A small grate inlet is present at 313 Longview Drive to convey a small portion of the runoff into the system. There is a valley gutter that takes stormwater runoff from the back of the property of 313 Longview Road to the front of the property at 2105 Hickory Road. This valley gutter then connects to the valley gutter system that begins to travel down Longview Road (**Figure 4**).

Figure 4 – A 30" Valley Gutter emerges and connects stormwater runoff from the property of 313 Longview Road. It crosses Hickory Street and sends runoff around the front yard of 2105 Hickory Road. This valley gutter eventually connects to Longview Road. Google Earth Imagery dated March 2022.

The first inlet on Longview Drive appears at the intersection of Longview Drive and Shades Avenue. Therefore, approximately 1,125 feet of roadway along Longview Drive is conveying water only through valley gutters until it reaches Shades Avenue. At least 8 homes along Longview Drive to Shades Avenue have driveway spanners. Water is rejected from the valley gutters by the driveway spanners and flows through the roadway and properties. This water eventually makes its way to Trousdale Street causing more issues with its undersized stormwater network.

4.2 Overview of Primary Stormwater Conveyance System in Central Trunkline

The upper extent of the central trunkline begins at Shades Crest Road, east of the Montgomery Highway and Shades Crest Road intersection. A 24-inch RCP crosses the road and infringes on the property of the Vestavia Hills Lutheran Church. The next pipe downstream is another 24-inch CPP. The inlet in the parking lot on the east side of the church has two existing 18-inch pipes that outfall into a shallow open channel that is full of large rocks and debris.

The open channel is directly north of Chestnut Road and discharges its stormwater runoff into the valley gutters that run parallel along Chestnut Road. The valley gutter on the north side of Chestnut Road discharges into an inlet with an existing 15-inch RCP that crosses Chestnut Road. Water that emits from the open channel also travels across the roadway and enters the valley gutter which flows to the adjacent inlet on the southside of Chestnut Road. These inlets discharge into a 20-inch pipe which flows between 2011 and 2009 Chestnut Road. This section of the stormwater network carries the 1-year, 6-hour return period.

Downstream from the 20-inch pipe, the pipe decreases to an 18-inch clay pipe. The clay pipe ends between the homes of 2012 and 2020 Hickory Road and transitions into an 18-inch concrete pipe. The 18-inch culvert continues and crosses Hickory Road. It eventually outfalls into an open channel. Also, just upstream from the crossing at Hickory Road is a small open channel above the 18-inch concrete pipe that also conveys water into the backside of the inlet on Hickory Road (**Figure 5**).

Figure 5 – Beneath this flume is the 18-inch concrete pipe. Both the flume and the pipe discharge into the back side of the inlet shown above. Earth Imagery dated March 2022.

The 18-inch flows to an open channel behind the property of 2016 Southwood Road (**Figure 6**). It flows through another short segment of 36-inch pipe and then back into an open channel north of the Southwood Road and Granada Drive intersection. Apart from the 36-inch pipe, this section of the trunk line does not have capacity for the 1-year, 6-hour storm event. The 36-inch pipe carries the 2-year, 6-hour storm event.

The primary conveyance at the intersection of Southwood Road and Grenada Drive reduces in size from a 30-inch RCP north of Southwood Road, crosses the road as a 48X24-inch RCP that has been previously fixed by the City, then reduces in size from another 30-inch to a 24-inch before discharging into the open channel at the Country Club of Vestavia golf course. The City of Vestavia has repaired the 48X24-inch roadway crossing due to a collapsed corrugated metal pipe. This stormwater system flows full for the 1-year, 6-hour return period. This segment varies in pipe size and is undersized for the current city ordinances.

Figure 6 – Overview of the Central trunkline. Google Earth Imagery dated March 2022.

4.2.1 Local Flooding in Central Basins - Fernwood Road

An 18-inch pipe crosses Hickory Road between the properties of 2029 and 2033 Hickory Road (**Figure 6**). The stormwater proceeds to flow through a series of small culverts and open channels before crossing Southwood Road as a 30-inch pipe. The open channel behind the properties of Fernwood Drive and Granada Drive is full of overgrown vegetation. This network contains the 2-year, 6-hour storm event.

4.3 Overview of Primary Conveyance System in the Western Trunkline

The western trunkline of the Vestavia Hills watershed study begins upstream at the intersection of Hickory Road and Montgomery Highway. The pipes at the top of the system vary in size from 30 to 36-inches. The main trunkline crosses Montgomery Highway as a 42-inch pipe perpendicular to the Vestavia Hills Chick-fil-A. This section of the western trunkline, including the Vestavia Hills Chick-fil-A, maintains protection for the 25-year, 6-hour storm event.

A 30-inch pipe travels south on Eastwood Place until it turns at a manhole located 616 Eastwood Place. At this manhole the pipe transitions to a 30-inch CCP. Then the pipe turns again behind the home of 624 Eastwood Place and discharges into an open channel (**Figure 7**). The open channel is full of vegetation.

A 30-inch pipe crosses Kentucky Avenue and travels through the parking lot of Vestavia Hills Methodist church. At the first inlet in the parking lot, the 30-inch transitions to a 42-inch pipe that outfalls into a shallow open channel at the southern end of the church's property. The 42-inch pipe carries the 5-year, 6-hour event and the section of pipe that includes the 30-inch pipe and open channel only carries the 1-year, 6-hour storm event.

The open channel crosses Vestavia Lake Drive as a 11x5-foot arch pipe. The downstream channel, including this box carries the 25-year, 6-hour storm event.

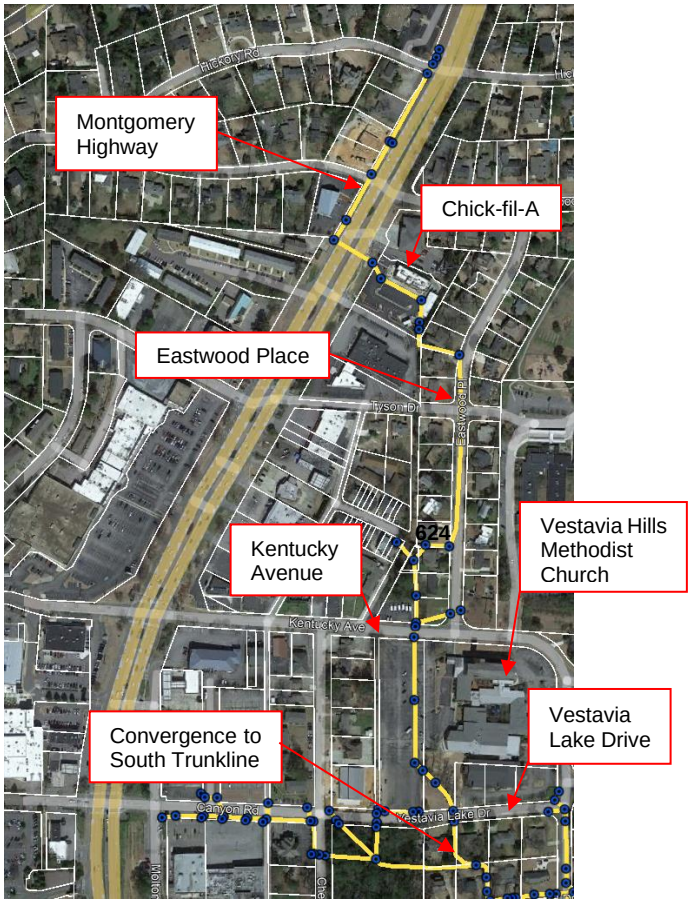


Figure 7 – Overview of the Western trunkline. Google Earth Imagery dated March 2022.

4.4 Overview of Primary Conveyance System on Lakewood Drive

An open channel runs through the front yard of the residents that live along Lakewood Drive. Water overtops the property side of the channel and gets kicked out from the driveway bridge culvert at 2064 Lakewood Drive around the 5-year 6-hour storm event (**Figure 8**).

A 10x4.5-foot arch culvert crosses the road at the intersection of Eastwood Place and Lakewood Drive. This culvert has the capacity to carry the 10-year, 6-hour storm event.

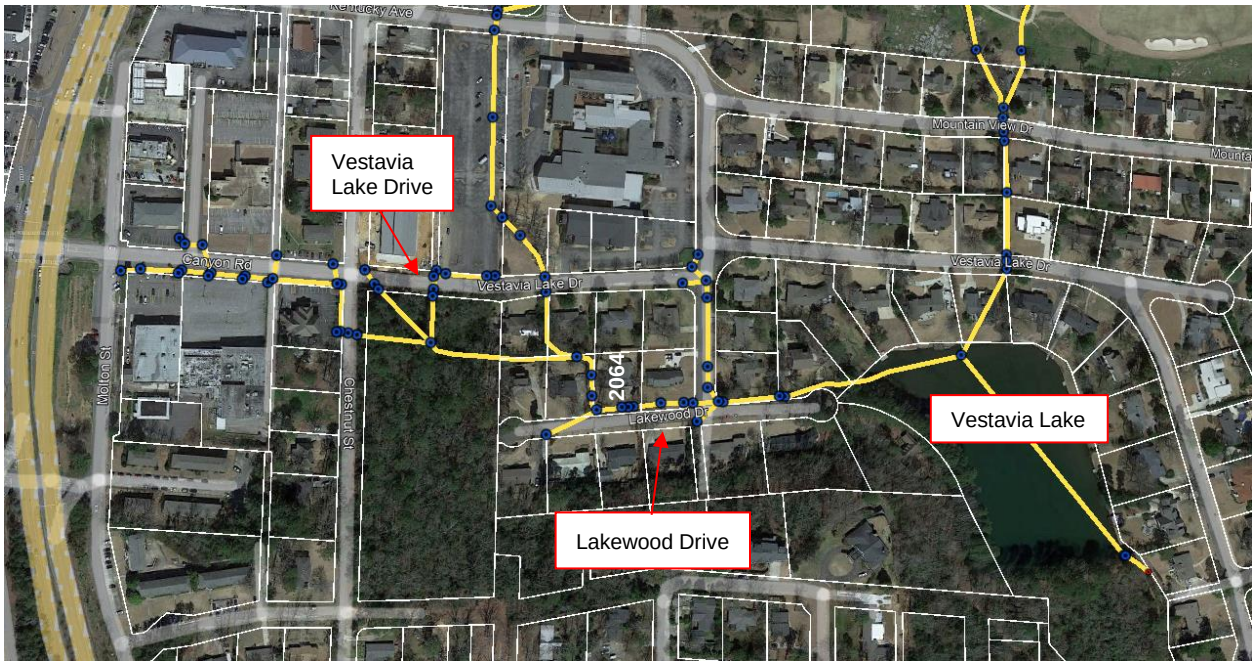


Figure 8 – Overview of the Lakewood Drive and the Southern trunkline. Google Earth Imagery dated March 2022.

5. Analysis of Mitigation Alternatives

5.1 Mitigation Alternatives for the Primary Stormwater Conveyance System in Eastern Trunkline

The most upstream part of the stormwater study in the eastern part of the watershed begins at the crossing of Chestnut Road and Sunset Drive. West of the intersection, Schoel Engineering recommends increasing the pipe size from a 30-inch RCP to a 36X58.5-inch arch pipe (a 48-inch circular pipe equivalent). This pipe travels west and turns south between the properties at 2211 Chestnut Road and 300 Sunset Drive.

This pipe will then discharge into the open channel behind the residences located at 304 Sunset Drive.

During the frequent stormwater events, water in the open channel overtops and travels through the properties of 2208 and 2212 Chanticleer Road. The existing 30-inch pipe travels too close to the residence's homes, so there is not a recommended alternative for this section of pipe. However, there is an inlet located in the front right corner of 2204 Chanticleer Lane and it is recommended to increase the pipe size at that location from a 30-inch RCP to continue with the 36X58.5-inch arch pipe (a 48-inch circular pipe equivalent) until the inlet north of the intersection of Trousdale Street and Shades Avenue.

At the intersection of Trousdale Street and Shades Avenue, Schoel Engineering recommends increasing the 24-inch pipe to a 6X3-foot RCB all the way to the open channel in front of the property at 428 Trousdale Street.

The open channel located on Trousdale Street between residence 428 Trousdale Street and Longview Drive will need to be modified to accommodate a 6x3-foot RCB culvert. Downstream of the first section of open channel on Trousdale Street, the existing 42-inch RCP is recommended to increase to an 8X3-foot RCB. This culvert will continue to travel south along Trousdale Street and will cross Longview Drive. The new box culvert will terminate at the next section of the open channel along Trousdale Street. It will flow through the driveway culvert located at 440 Trousdale Street, which will need to increase to an 8X3-foot RCB culvert as well.

The lower section of the open channel on Trousdale Street will need to be modified to accommodate the 8X3-foot RCB culvert along Trousdale. Also, it is recommended that the channel downstream of the 440 Trousdale Street driveway bridge be lowered slightly to create a smoother slope.

At the intersection of Trousdale Street and Southwood Road, the existing 42-inch culvert is recommended to increase to an 11X3-foot RCB culvert that will discharge into the open channel west of the home located at 2135 Southwood Road. These recommendations carry the 25-year, 6-hour storm event. A schematic of the Eastern trunkline is in **Appendix B, Exhibit 1**.

5.1.1 Local Flooding in the Eastern Basins – Sunset Drive

The homeowners located at 308 Sunset Drive encounter water entering their basement during frequent storm events. It is recommended that the homeowner at 304 Sunset drive remove the brick wall located in the right-of-way. It is also

recommended that the driveway spanners be replaced with a grated spanner and maintained regularly.

It is recommended to replace all existing driveways spanners on the section of Sunset Drive south of the intersection of Biltmore Avenue and Sunset Drive, except for the driveway spanner located at 2211 Southwood Road.

5.1.2 Local Flooding in the Eastern Basins – Biltmore Avenue

A 12-inch pipe on Sunset Drives collects stormwater runoff from the northern portion of Sunset Drive. The 12-inch pipe moves water west down Biltmore Avenue. It is suggested that the driveway spanners be updated to the new typical spanner provided in **Appendix B, Exhibit 5**. On occasion, some storm events create issues with water inside the garage of the residence at 444 Biltmore Avenue. It is suggested that the driveway spanners be updated to the new typical spanner.

5.1.3 Local Flooding in the Eastern Basins – Sunset Drive to Southwood Road

South on Sunset Drive at the intersection of Biltmore Avenue and Sunset Drive, it is recommended to remove all existing driveway spanners, except for the driveway spanner located at 2211 Southwood Road. It is recommended that from the curb along Southwood Road, all the valley gutters be replaced to a 24” curb and gutter, all the driveway spanners would need to be reworked (apart from 2211 Southwood Road) for a smoother transition to the driveway. The typical driveway spanner is grated (**Figure 9**). A 24-inch curb and gutter is recommended from the Sunset Drive/Southwood Road street transition to the Southwood Road/Trousdale Street intersection (**Figure 10**).

It is recommended to replace all existing driveways spanners on the section of Sunset Drive south of the intersection of Biltmore Avenue and Sunset Drive, except for the driveway spanner located at 2211 Southwood Road.

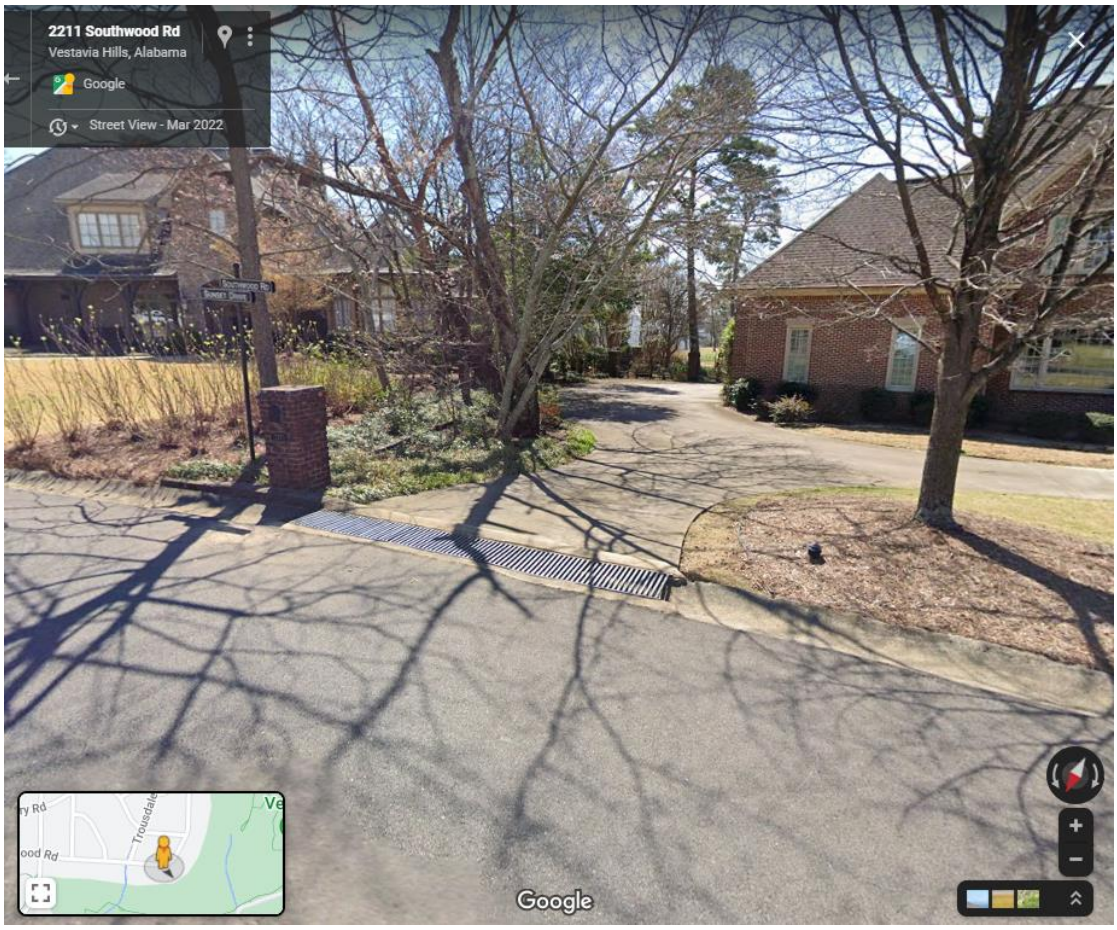


Figure 9 – The typical grated driveway spanner that is recommended is located at the property of 2211 Southwood Road. Google Imagery dated March 2022.

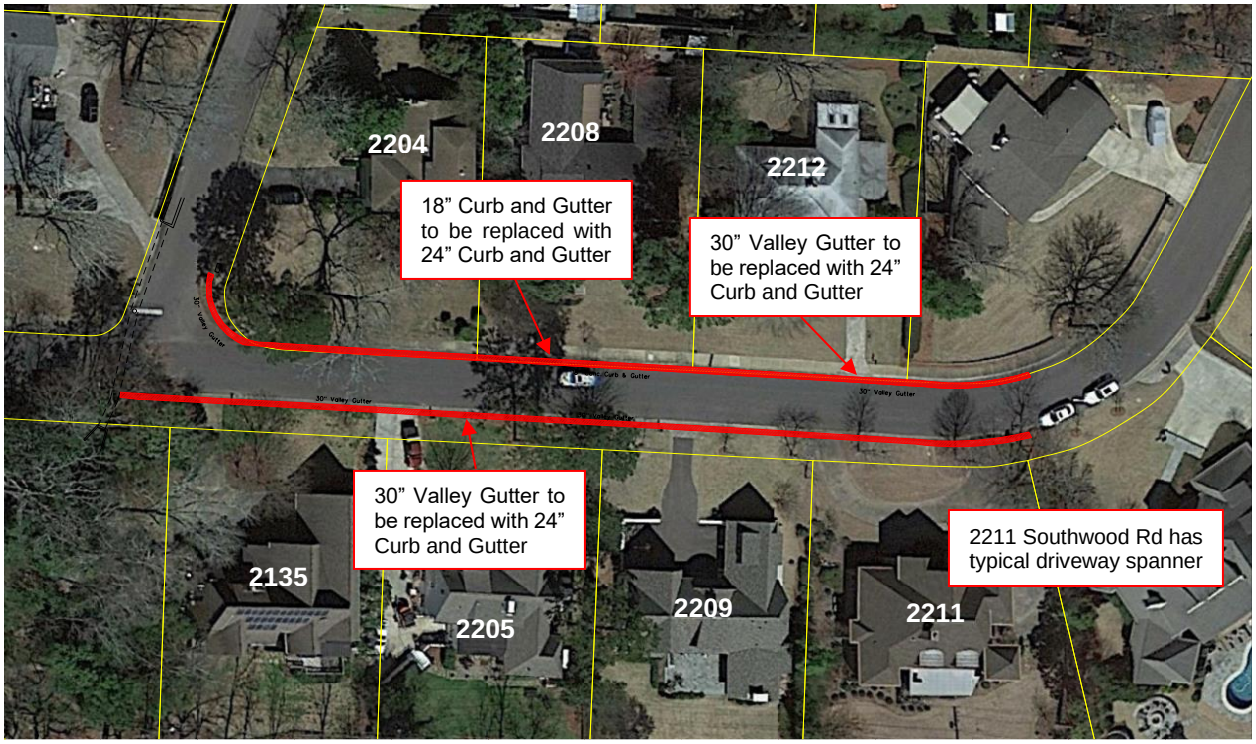


Figure 10 – Red hatch illustrates the section of Valley Gutters that need to be converted to the 24" curb and gutter on Southwood Road.

5.2 Mitigation Alternatives for the Primary Stormwater Conveyance System in Central Trunkline

The upper extent of the central trunkline begins at Shades Crest Road just east of the Highway 31 intersection. In exiting conditions, a 24-inch RCP crosses the road and infringes on the Vestavia Hills Lutheran Church property. It is recommended that the 24-inch pipe increase to a 22.5x36-inch arch pipe (equivalent to a 30-inch circular pipe). The next pipe downstream is another 24-inch CPP that needs to increase to a 26.6X43.8-inch arch culvert (equivalent to a 36-inch circular pipe). The inlet in the parking lot on the east side of the church has existing 2~18-inch pipes that discharge into an open channel. Schoel Engineering recommends increasing the width of the open channel by a foot and performing routine maintenance on cleaning out the channel.

North of Chestnut Road, an open channel discharges stormwater runoff into the valley gutters on Chestnut Road. The valley gutter on the north side of Chestnut Road flows into an inlet with an existing 15-inch RCP that crosses Chestnut Road. It is recommended that the 15-inch culvert crossing be increased to a 18X28.5-inch arch

culvert (equivalent to a 24-inch circular pipe). Water that emits from the open channel also travels across the road and enters the valley gutter south of Chestnut Road. An alternative to the valley gutters and stormwater runoff in the roadway, it is recommended to add a 24-inch culvert from the open channel beneath Chestnut Road to the downstream inlet on Chestnut Road.

Downstream of the Chestnut Road crossing, is a 20-inch RCP that is recommended to increase to a 26.6X43.8-inch arch pipe (equivalent to a 36-inch circular pipe) and replace the existing system until the open channel south of the Hickory Road crossing. Please note that the upstream culvert of Hickory Road also has a flume on top of the culvert. The recommended replacement to a 36-inch equivalent pipe is to replace the flume as well.

Between the two open channel sections just upstream of the Southwood Road crossing, an existing 36-inch pipe needs to be replaced by a 36x58.5-inch arch pipe (equivalent to a 48-inch circular pipe).

The Southwood Road and Granada Drive culvert crossings vary from 30-inch to 24-inch pipes. The roadway crossing was recently replaced by the City of Vestavia Hills to be a 48x24-inch RCP. Schoel Engineering recommends the next segment of pipe be increased to be a 26.6x43.8-inch arch pipe (equivalent to a 36-inch circular pipe) until the stormwater discharges into the open channel at the golf course. These recommendations carry the 25-year, 6-hour storm event. The schematic for the Central trunkline is in **Appendix B, Exhibit 2**.

5.2.1 Local Flooding in the Central Basins – Fernwood Drive

Schoel Engineering recommends increasing the channel width downstream of Hickory Road from 3 feet to 4 feet wide. Another alternative to this section is to clean out the vegetation from the channel and perform routine channel maintenance. In addition, it is recommended that the 30-inch culvert crossing Southwood Road increases to a 36-inch culvert to carry the 25-year, 6-hour storm event.

5.3 Mitigation Alternatives for the Primary Stormwater Conveyance System in Western Trunkline

The western side of the Vestavia Hills watershed study begins upstream at the intersection of Hickory Road and Montgomery Highway. The pipes to the north vary in size from 30- to 36-inch pipes. It’s recommended that the 30-inch pipes increase to 36-inch pipes down Montgomery Highway before it crosses at the Chick-fil-A. An existing 42-inch pipe crosses Montgomery Highway, which is an ALDOT right-of-way,

and enters the Chick-fil-A stormwater network. It is recommended the crossing pipe increase to a 40x65-inch (equivalent to a 54-inch circular pipe).

Eastwood Place is a 30-inch pipe that needs to increase to a 31x51-inch arch pipe (equivalent to a 42-inch circular pipe). When the pipe ends at a manhole and transitions to a 30-inch CPP Schoel recommends that it changes to a 5x3-foot reinforced concrete box that travels between 616 and 620 Eastwood place and behind 620 Eastwood Place. Behind the property of 624 Eastwood Place, the culvert is recommended to increase to be a 5x4-foot box from a 30-inch RCP.

The Kentucky Avenue culvert crossing currently is a 30-inch pipe. Schoel Engineering recommends increasing the crossing to a 6x4-foot concrete box that travels through the parking lot of the Vestavia Hills Methodist church. A schematic for the western trunkline is in **Appendix B, Exhibit 3**.

5.4 Mitigation Alternatives for the Primary Stormwater Conveyance System on Lakewood Drive

An open channel runs through the front yard of the residents that live along Lakewood Drive. Water exits the channel and the driveway bridge culvert around the 5-year, 6-hour storm event. An alternative would be to make the channel wider in these sections along the residences home.

An additional suggestion would be to add a 42-inch relief culvert along Lakewood Drive that outfalls at Vestavia Lake. The relief culvert would begin on the west end of Lakewood Drive at the bend in the open channel in front of the property located at 2064 Lakewood Drive. The alternatives at Lakewood Drive carry the 25-year, 6-hour return period.

Schematic design exhibits for each trunkline alternative are included in **Appendix B** of this report.

6. Prioritization

In order to determine the projects that provide the most benefit and are cost-effective, Schoel developed criteria used to prioritize the recommended improvements. Each project was then scored based on the prioritization criteria and ranked. The prioritization criteria used for this project was 1) number of properties that benefit, 2) cost, 3) percent of project within public right-of-way, and 4) flooding frequency (**Table 3**). The ranking criteria was based on a 1-10 scale and scored accordingly. The Eastern trunkline ranked the highest in prioritization and has an estimated budget of $2,830,447.20.

Table 3 – Prioritization and ranking tables.

PROJECTS	RANKINGS	NO. OF PROPERTIES THAT BENEFIT (RANK 1-HIGH, 10-LOW)	PROPERTY SCORE	COST	COST SCORE	PUBLIC ROW %	PUBLIC % SCORE	OCCURANCE OF FLOODING	FLOODING SCORE	TOTAL SCORE
EAST TRUNK LINE	**1**	34								
SUNSET DRIVE	PHASE 1A	10 HOMES								
SOUTHWOOD ROAD	PHASE 1B	4 HOMES								
TROUSDALE STREET (LOWER)	PHASE 2	5 HOMES	1	$ 2,830,447.20	10	95	1	1-YR	1	**13**
TROUSDALE STREET (UPPER)	PHASE 3	5 HOMES								
CHANTICLEER LANE	PHASE 4	4 HOMES								
CHESTNUT ROAD	PHASE 5	3 HOMES								
CENTRAL TRUNK LINE	2	26								
SOUTHWOOD ROAD	PHASE 1	4 HOMES								
HICKORY ROAD	PHASE 2	6 HOMES	2	$ 938,683.20	4	25	8	2-YR	3	**17**
CHESTNUT ROAD	PHASE 3	3 HOMES								
CHURCH	PHASE 4	1 CHURCH								
FERNWOOD	PHASE 5	12 HOMES								
LAKEWOOD DRIVE	**3**	4	9	$ 891,222.00	3	85	2	5-YR	5	**19**
WEST TRUNK LINE	**4**	19								
VESTAVIA HILLS CHURCH	PHASE 1	1 CHURCH								
KENTUCKY AVE	PHASE 2	4 HOMES	4	$ 2,918,957.40	10	55	5	1-YR	1	**20**
EASTWOOD	PHASE 3	14 HOMES								
ALDOT	TBD	0								

COST RANKINGS

SCORE	COST RANGE	
1	$ -	$ 300,000.00
2	$ 300,001.00	$ 600,000.00
3	$ 600,001.00	$ 900,000.00
4	$ 900,001.00	$ 1,200,000.00
5	$ 1,200,001.00	$ 1,500,000.00
6	$ 1,500,001.00	$ 1,800,000.00
7	$ 1,800,001.00	$ 2,100,000.00
8	$ 2,100,001.00	$ 2,400,000.00
9	$ 2,400,001.00	$ 2,700,000.00
10	$ 2,700,001.00	$ 3,000,000.00

PUBLIC % RANKINGS

SCORE	PUBLIC ROW % RANGE	
1	91	100
2	81	90
3	71	80
4	61	70
5	51	60
6	41	50
7	31	40
8	21	30
9	11	20
10	0	10

PROPERTY RANKINGS

SCORE	# OF STRUCTURES	
1	28	29+
2	25	27
3	22	24
4	19	21
5	16	18
6	13	15
7	10	12
8	7	9
9	4	6
10	0	3

FLOODING RANKINGS

SCORE	STORM OCCURANCE
1	1-YR OR BELOW
3	2-YR
5	5-YR
7	10-YR
10	25-YR OR GREATER

The Engineer's Estimate of Probable Construction Costs is in **Appendix C**.

7. Regulations Review

As a final component of this stormwater masterplan, Schoel was tasked with reviewing current City development regulations for single-family home developments in terms of stormwater runoff and identify any improvement opportunities in the City's regulations, plan review and inspection processes.

The City has several areas with aging infrastructure that struggles to safely convey stormwater runoff during large rainfall events. Continued re-development and additions to single-family lots can contribute to taxing an already strained stormwater drainage system. As trees and grassed lawns are covered by impermeable surfaces, such as rooftops and driveways, more of the rain runs off and at a faster rate. Furthermore, current post-construction stormwater regulations do not apply to land disturbance under an acre so this increased stormwater runoff is not abated. These factors can result in more frequent flooding, greater flood depths, and longer duration of flooding.

To mitigate the adverse effects of single-family home development to the existing storm drainage systems, a comprehensive review was conducted to identify and present recommendations for changes to development regulations. Schoel reviewed current stormwater regulations for several municipalities large and small across the south and northeast. The objectives were to identify regulations that 1) apply to development and redevelopment, including additions, of single-family residences under one acre; 2) mitigate stormwater increases; and 3) provide flexibility to the engineer or landscape architect to meet the requirements for various site conditions. With these objectives in mind, the following stormwater design criteria are recommended for consideration:

1. Any new development or redevelopment is exempt from these requirements if the lot is less than one acre and the maximum building area in accordance with the zoning ordinance is not exceeded.
2. Improvements that would further increase impervious area to existing structures that exceed the maximum building area are subject to the provisions of these requirements and shall mitigate the increase stormwater runoff. The maximum building area in accordance with the zoning ordinance will be the basis for quantifying the stormwater runoff to mitigate in the design.
3. New development and redevelopment subject to these requirements may implement one of the following options. Design and implement post-constructions best management practices (BMPs) to:
    a. Capture and manage the 1.1-inch rain event onsite with no discharge to surface waters or City storm drainage infrastructure; or
    b. Attenuate the peak flows for the 2-year, 24-hour through 25-year, 24-hour storm event to ensure that the post-construction flows do not exceed pre-development flows.

4. New development and redevelopment subject to these requirements are required have maintenance agreements for long-term BMP operations and maintenance, an operation and maintenance plan for all post-construction BMPs, and are subject to annual inspections per the City's Post-Construction Best Management Practices for Permanent Stormwater Control Structures Ordinance (Ordinance Number 2771)

The recommended stormwater management regulations will mitigate increased runoff due to development and redevelopment, including additions, of single-family residential lots. In some cases, the proposed regulations may improve the drainage where structures exceed the maximum building area. These regulations will help stem the detrimental effects caused by land cover transition from trees and grass to impervious surfaces and prevent future areas from developing local flooding problems. In addition, the recommended regulations will allow the existing stormwater infrastructure to maintain the current level of service into the future and prevent costly storm infrastructure improvements.

8. Conclusion

Certain areas within the Vestavia Lake drainage basin experience frequent flooding from relatively small events. Some locations in the Vestavia Hills area have flooded following rainfall events equivalent to a 2-year return period. Many images and complaints have been filed with the City of recent floods showing flood waters in homes and overtopping roadways in the study area, specifically along Trousdale Street. The reason for the flooding is the undersized conveyance system especially in the Trousdale Street and Southwood Road area.

It is desired to characterize the hydraulic capacity of the primary conveyance and develop mitigation alternatives that provide increased flood protection in the Vestavia Lake watershed, while at the same time not causing adverse effects to flood water depths at points downstream. It is recommended in this study that to provide better flood protection in the Vestavia Hills study area, many culverts need to be increased to be able to carry modern day flood events, such as the 25-year, 6-hour storm event. These alternatives have been sized in this model and show a significant reduction in flood depths along the study area when modeled with a 25-year return design storm.

The criteria used in the prioritization of the projects was determined by the 1) number of properties that benefit, 2) frequency of flooding, 3) cost, and 4) percentage of the project within the public right-of-way. Each project was also ranked into phases. Based off the prioritization and the above-mentioned criteria, the eastern trunkline ranked the highest and has an estimated budget of $2,830,447.20.

Schoel was tasked with reviewing current City development regulations for single-family home developments in terms of stormwater runoff and identify any improvement opportunities in the City's regulations, plan review and inspection processes. These recommended regulations will mitigate increased runoff due to the increased amount of development and redevelopment of single-family lots. These proposed regulations will help prevent future areas from local flooding problems as well as protect the existing stormwater infrastructure to maintain its current level of service throughout the future, preventing expensive storm infrastructure improvements.

Please feel free to contact Mark Simpson with Schoel Engineering should you have any questions or comments regarding the information contained in this report. Contact information is provided below.

SCHOEL ENGINEERING COMPANY, INC.

William R. Thomas, P.E., CFM
AL License No. 27489

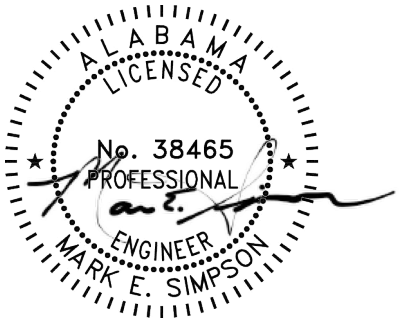
Direct: (205) 313-1150
Email: wthomas@schoel.com

Mark E. Simpson, P.E., CFM
AL License No. 38465

Direct: (205) 313-1155
Email: msimpson@schoel.com

Kaitlin M. Braun, CFM
Project Hydrologist

Direct: (205) 313-1151
Email: kbraun@schoel.com



APPENDIX A

Vestavia Lake Watershed SWMM Topology

Vestavia Lake Watershed SWMM Basins

Table of Basin ID Names and Basic Attributes

NOAA Atlas 14 Rainfall Data

Exhibit A-1 – SWMM Model Topology

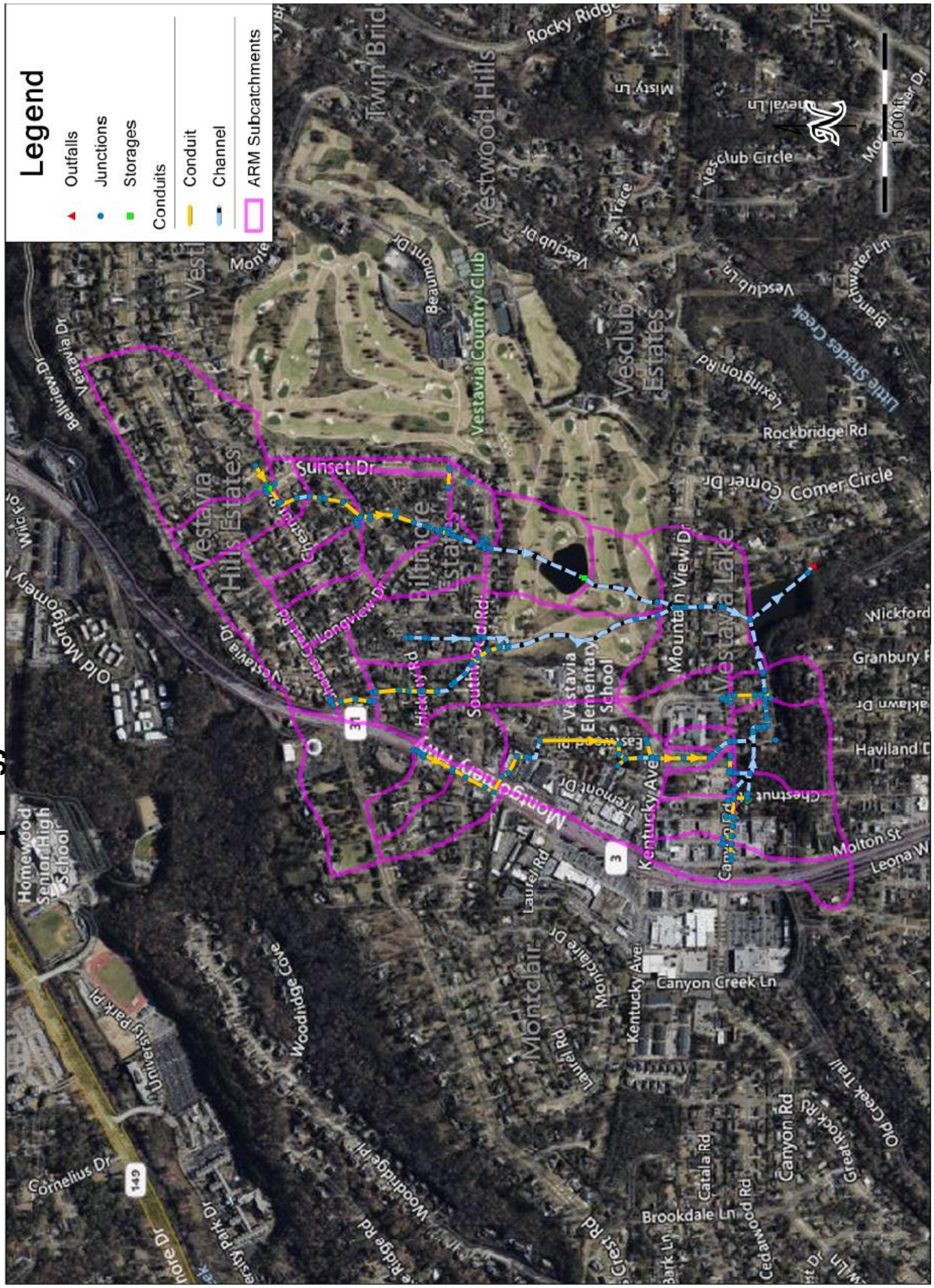


Exhibit A-2 – SWMM Basins

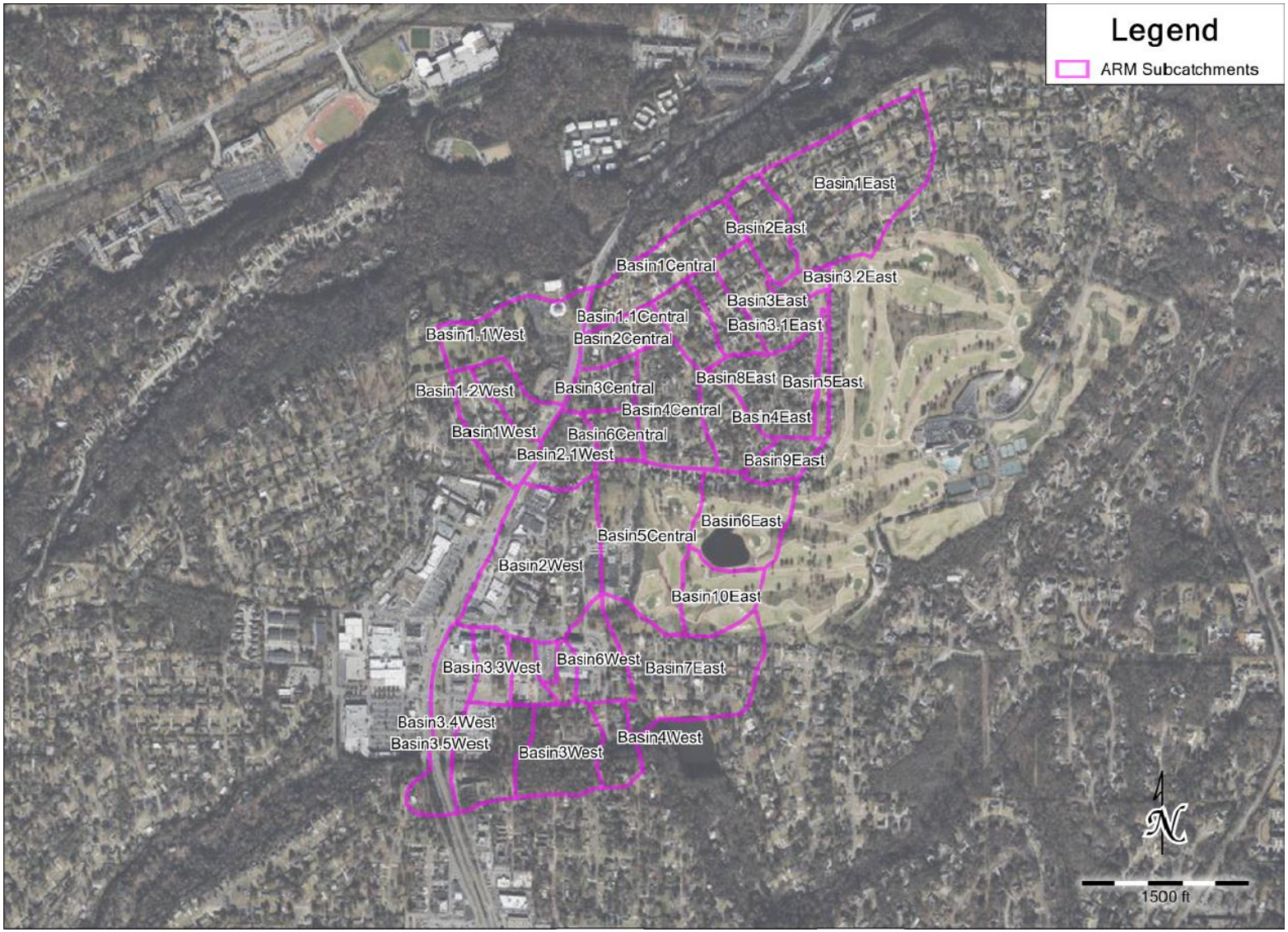


Table A-1 – Vestavia Hills Watershed table of Basin ID's and basic attributes used in development of SWMM model.

Basin ID	Area (acre)	SCS Curve Number
Basin1West	8.53	88.6
Basin2West	29.87	93.8
Basin3West	12.40	81
Basin4West	5.54	84.3
Basin7East	23.74	87
Basin10East	8.90	80
Basin5Central	25.65	84.1
Basin6East	14.88	82.5
Basin6Central	4.45	87
Basin3Central	5.59	92
Basin2Central	6.17	91.6
Basin1Central	14.22	85.8
Basin4Central	14.27	87
Basin4East	7.72	87
Basin9East	4.25	87
Basin5East	2.47	88.1
Basin8East	13.37	87
Basin3East	10.05	87
Basin3.1East	5.64	87
Basin2East	7.98	85.8
Basin1East	32.05	85.8
Basin1.1West	18.84	88.9
Basin1.2West	5.96	87.8
Basin2.1West	7.30	87.6
Basin3.4West	11.61	90.6
Basin3.3West	5.05	95.2
Basin3.5West	12.35	86.1
Basin3.2West	3.74	95.3
Basin3.1West	1.46	98
Basin5West	2.28	95
Basin6West	8.24	93.5
Basin3.2East	2.47	86
Basin1.1Central	6.38	92

APPENDIX B

Exhibit 1 – Schematic Design of Alternate on East Trunkline

Exhibit 2 – Schematic Design of Alternate on Central Trunkline

Exhibit 3 – Schematic Design of Alternate on West Trunkline

Exhibit 4 – Schematic Design of Alternate on Lakewood Drive

Exhibit 5 – Typical Grate Driveway Spanner

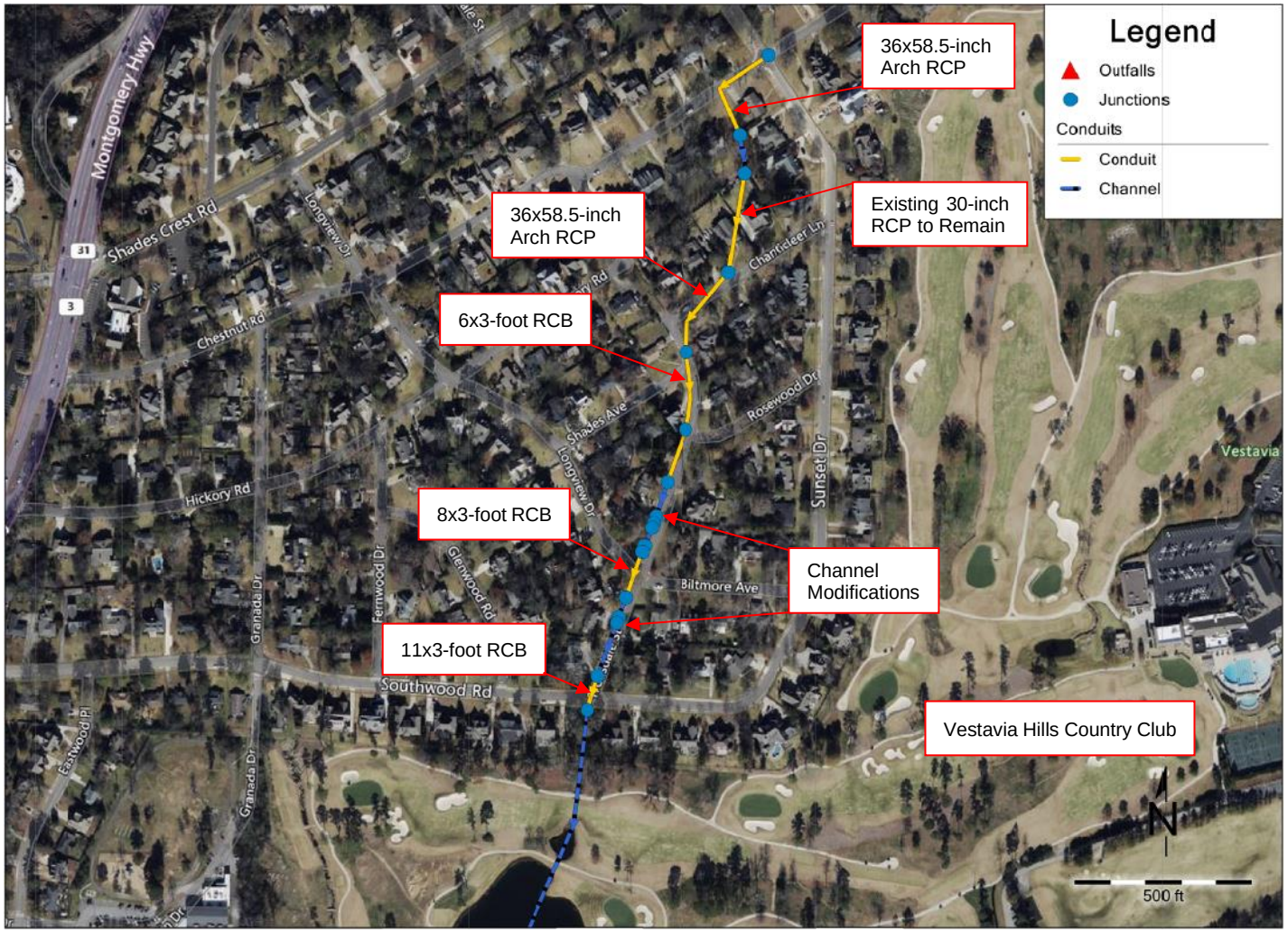


Exhibit 1 - Schematic Design of Mitigation Alternative on Eastern Trunkline

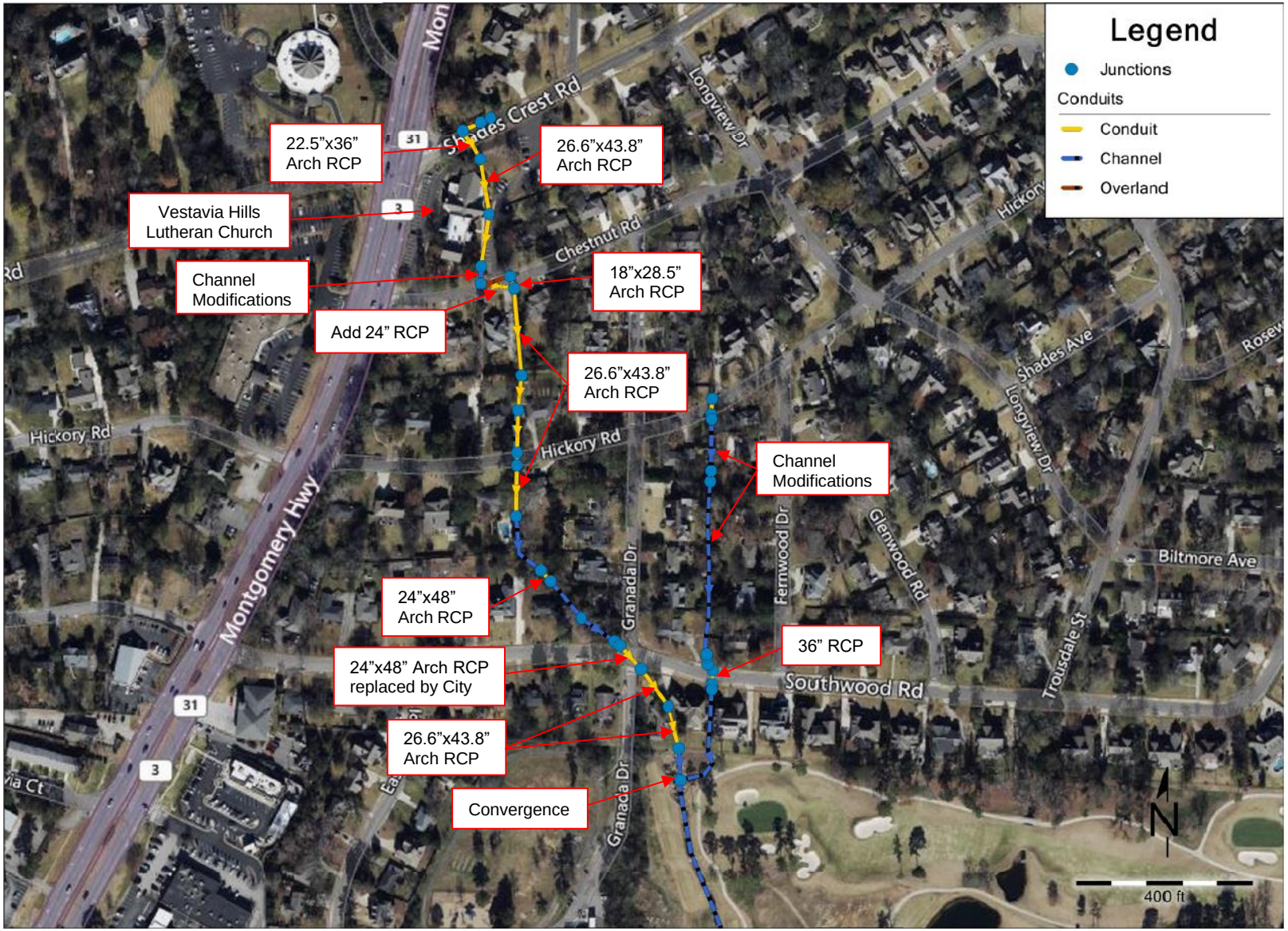


Exhibit 2 - Schematic Design of Mitigation Alternative on Central Trunkline and Fernwood Road

Exhibit 3 - Schematic Design of Mitigation Alternative on West Trunkline

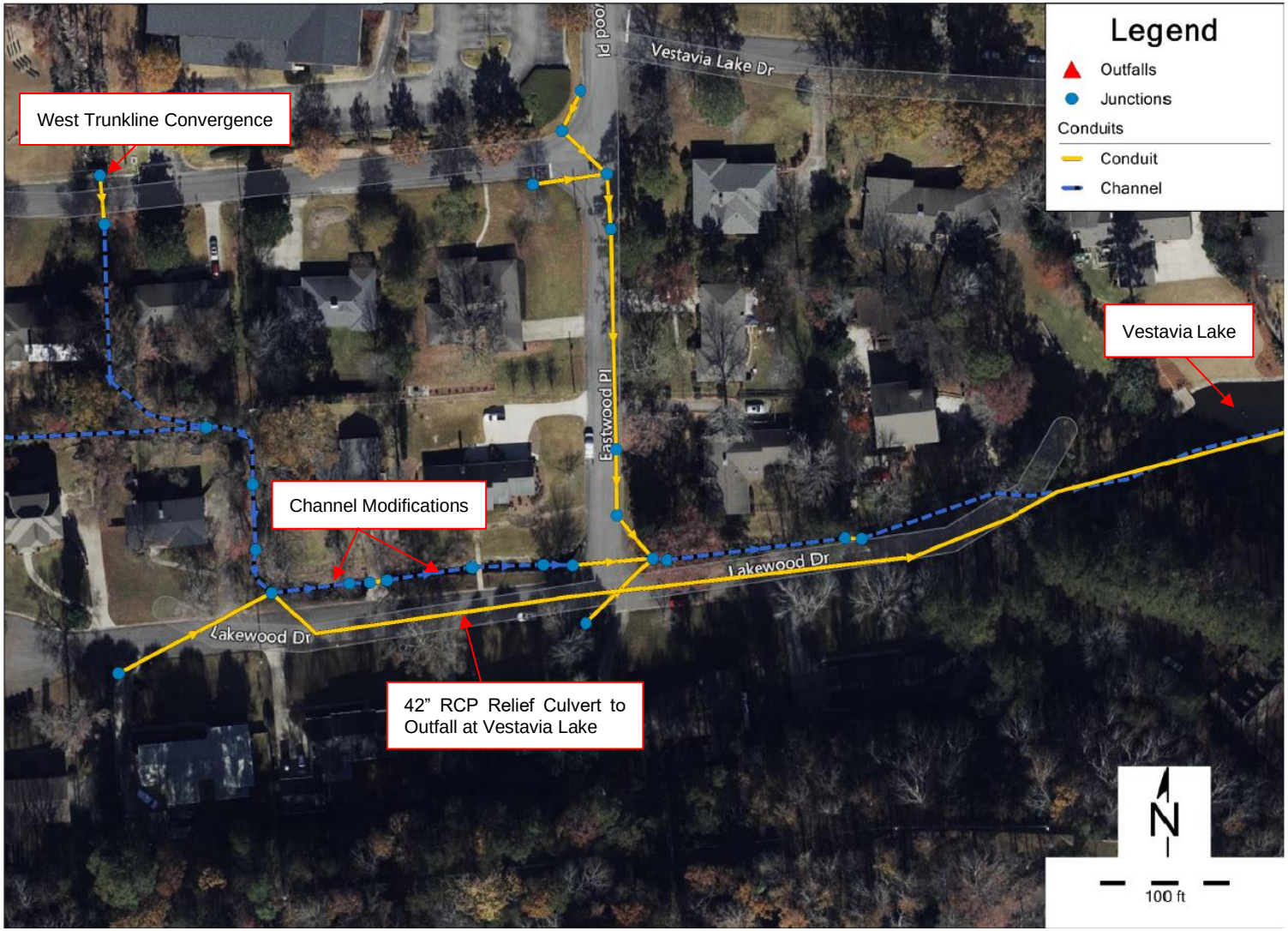


Exhibit 4 - Schematic Design of Mitigation Alternative on Lakewood Drive

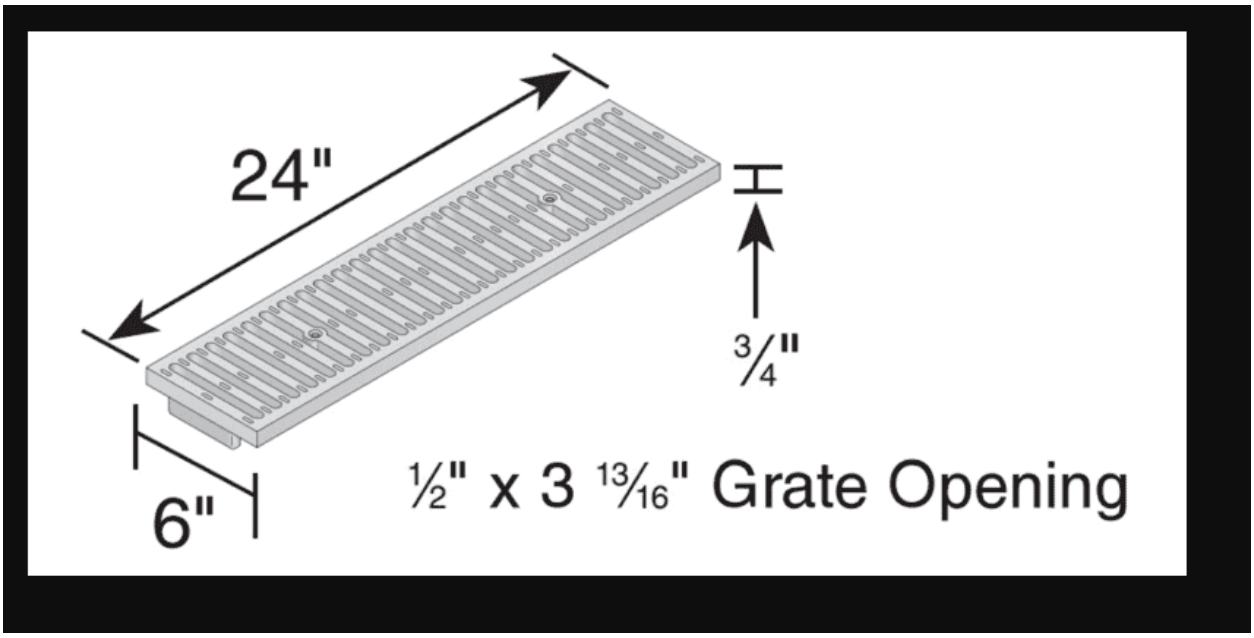


Exhibit 5 – Typical Grate Driveway Spanner

APPENDIX C

Engineer's Estimate of Probable Construction Costs

City of Vestavia Hills

Engineer's Estimate of Probable Construction Costs

Engineer's Estimate of Probable Construction Costs for Drainage Assessment Reports

August 31, 2022

Prepared by:

Schoel Engineering Company, Inc.
1001 22nd Street South
Birmingham, AL 35205
205-323-6166

Table of Contents

1. Introduction

Schoel Engineering, Inc. has provided engineer's estimate of probable construction costs for the drainage improvements previously recommended in the Assessment Reports to the City of Vestavia Hills. The engineer's estimate of probable construction costs is based on historical drainage assessments and the current market value of line items provided in the attached cost estimate budget in **Appendix A.** The schematic exhibit for each improvement is attached to each estimate.

2. Engineer's Estimate of Probable Construction Costs

A detailed hydrologic and hydraulic study has been completed for the drainage assessments listed below with the recommended improvements. The cost estimates provided are evaluated for the public and private portions of the drainage assessments.

2.1 East Trunkline

The recommended drainage improvements are: 1) to replace 584 linear feet of 30-inch pipe to a 36-in x 58.5-in arch culvert (48" equivalent pipe) on Chestnut Road, Chanticleer Lane, and on Trousdale Street to increase capacity in the stormwater network and out of properties and roadways, 2) to replace the 24 and 30-inch pipe with 378 linear feet of 6'x3' box culvert on Trousdale Street to increase capacity in the stormwater network and out of properties and roadways 3) to replace 154 linear feet 42-inch pipe with an 8'x3' box culvert on Trousdale Street to increase capacity in the stormwater network and out of properties and roadways 4) to replace 101 linear feet of 42-inch pipe with 11'x3' box culvert on Trousdale Street and the Southwood Road crossing to increase capacity in the stormwater network and out of properties and roadways, and 5) improve approximately 430 linear feet of the drainage ditch through grading operations.

Public Improvement Cost	$ 2,521,185
Private Improvement Cost	$ 133,731
Total Cost of Improvements	$ 2,654,916

2.2 Sunset Drive, Biltmore Avenue, and Southwood Road

The recommended drainage improvement for Sunset Drive, Biltmore Avenue, and Southwood Road is to remove some of the concrete driveway spanners and replace them with the typical grated driveway spanner.

Another improvement is to construct approximately 845 linear feet of 24-inch curb and gutter along the transition of Southwood Road and Sunset Drive. This includes removing the 30-inch valley gutters and the 18-inch curb and gutters in this section.

Public Improvement Cost	$ 175,531.20
Private Improvement Cost	$ 0.00
Total Cost of Improvements	$ 175,531.20

2.3 Central Trunkline

The recommended drainage improvements are: 1) to replace 74 linear feet of 24-inch RCP with 22.5x36-inch RCAP culvert (30" equivalent pipe) crossing Shades Crest Road to increase capacity in the stormwater network, 2) to replace 30 linear feet of 15-inch RCP with an 18x28.5-inch RCAP culvert (24" equivalent) crossing Chestnut Road, 3) to replace 130 linear feet of 24-inch CCP with 26.6x43.8-inch RCAP (36-inch equivalent) through the open space at the Vestavia Hills Lutheran church, 4) to construct 80 linear feet of 24-inch culvert on Chestnut Road to keep water from running along the roadway and to allow the stormwater to get into the system and stay out of the roadway, 5) to construct 644 linear feet of 26.6x43.8-inch RCAP (36-inch equivalent) on private property and crossing public right-of-way at Hickory Road, 6) to construct 97 linear feet of 26.6x43.8-in RCAP culvert (36" equivalent pipe) crossing Southwood Road.

The recommended drainage improvement for Fernwood Drive is to increase the channel width by 1 foot and clean out the vegetation and debris. The second recommendation is to replace the 62 linear feet of 30-inch pipe crossing Southwood Road with a 36-inch RCP.

Public Improvement Cost	$ 182,379.60
Private Improvement Cost	$ 756,303.60
Total Cost of Improvements	$ 938,683.20

2.4 West Trunkline

The recommended drainage improvements are: 1) to replace 66 linear feet of 30-inch pipe with 36-inch pipe on Montgomery Highway (ALDOT ROW), 2) to replace 152 linear feet of 42-inch pipe crossing the highway with 40x65-inch RCAP (54-inch equivalent), 3) to replace 673 linear feet of pipe on Eastwood Place with a 31x51-inch RCAP (42" equivalent), 4) to replace 175 linear feet of 30-inch RCP with a 5x3-foot RCB, and 5) to replace 530 linear feet of 30-inch pipe with a 6x4-foot RCB.

Public Improvement Cost	$ 1,093,835.40
Private Improvement Cost	$ 1,825,122.00
Total Cost of Improvements	$ 2,918,957.40

2.5 Lakewood Drive

The recommended drainage improvement for the southern trunkline includes constructing 725 linear feet of a 42” relief culvert underneath Lakewood Drive. This would include constructing a headwall at Vestavia Lake where the 42” relief culvert discharges.

Public Improvement Cost	$ 742,086
Private Improvement Cost	$ 149,136
Total Cost of Improvements	$ 891,222

APPENDIX A

Engineer's Estimate of Probable Construction Costs

Vestavia Hills Storm Drainage Project - East Trunkline
Engineer's Estimate of Probable Construction Cost

August 31, 2022

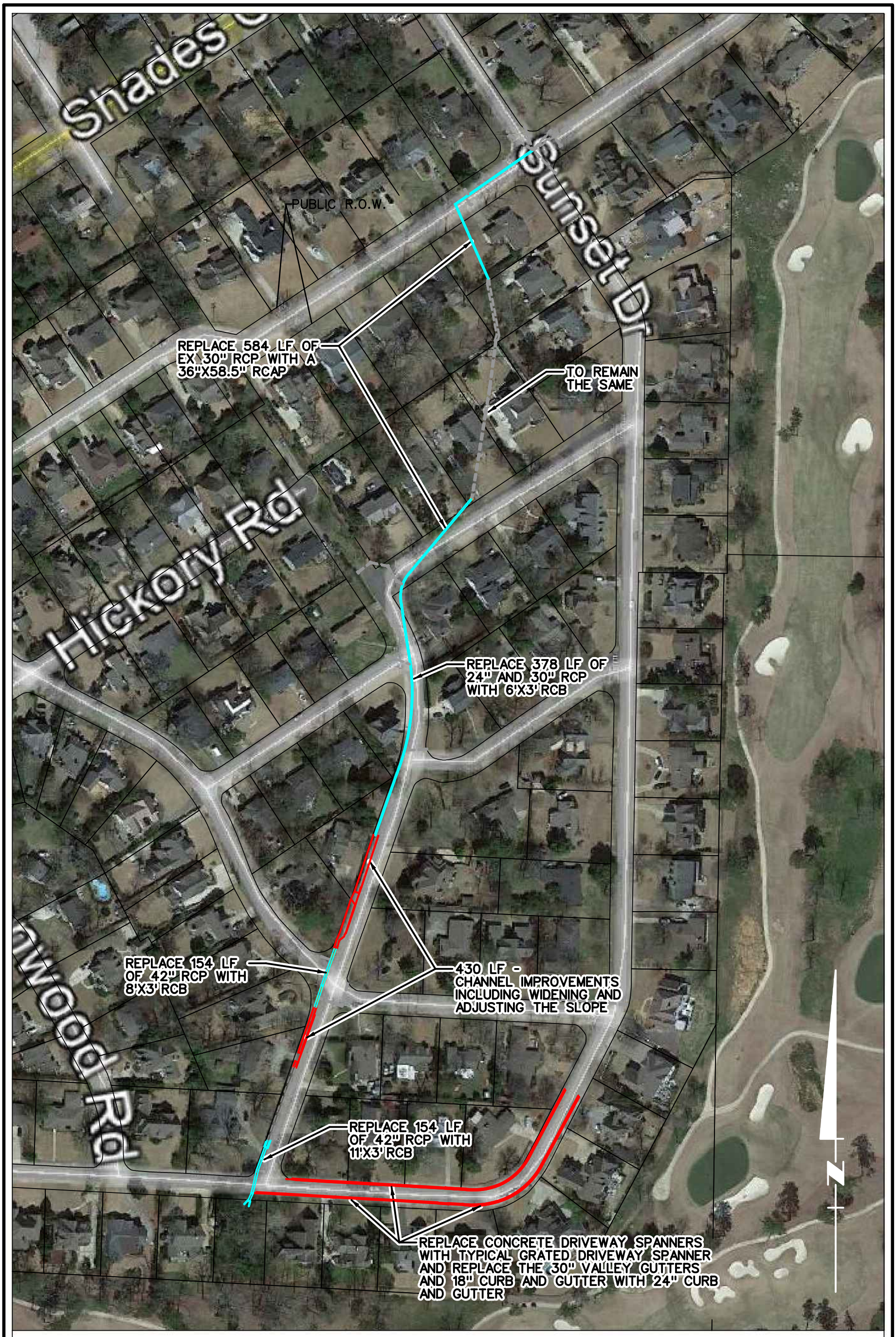
Item No.	Estimated Quantity <Public>	Estimated Quantity <Private>	Unit	Description	Unit Price	Total Cost <Public>	Total Cost <Private>	Total Cost
1	0.5	0.5	l.s.	Mobilization and Demobilization	$ 10,000.00	$ 5,000.00	$ 5,000.00	$ 10,000.00
2	430	0	l.f.	Channel Modification for the existing ditch on Trousdale St	$ 125.00	$ 53,750.00	$ -	$ 53,750.00
3	378	0	l.f.	6'x3' Box Culvert Storm Drain	$ 1,550.00	$ 585,900.00	$ -	$ 585,900.00
4	154	0	l.f.	8'x3' Box Culvert Storm Drain	$ 1,900.00	$ 292,600.00	$ -	$ 292,600.00
5	449	135	l.f.	36"x58.5" Arch Culvert Storm Drain (Eq. 48")	$ 475.00	$ 213,275.00	$ 64,125.00	$ 277,400.00
6	101	0	l.f.	11'x3' Box Culvert Storm Drain	$ 3,000.00	$ 303,000.00	$ -	$ 303,000.00
7	535	0	s.y.i.p.	Superpave Bituminous Concrete Binder Layer, Patching, ALDOT 424B, 1" Maximum Aggregate Size Mix, ESAL Range E, (440 lb.sy)	$ 50.00	$ 26,750.00	$ -	$ 26,750.00
8	535	0	s.y.i.p.	Superpave Bituminous Concrete Wearing Surface, ALDOT 424A, 1/2" Maximum Aggregate Size Mix, ESAL Range C/D, (165 lb./sy) (Includes Tack Coat)	$ 40.00	$ 21,400.00	$ -	$ 21,400.00
9	1082	135	l.f.	Rock Excavation	$ 100.00	$ 108,200.00	$ 13,500.00	$ 121,700.00
10	25	155	s.y.i.p.	Solid Sod Replacement	$ 20.00	$ 500.00	$ 3,100.00	$ 3,600.00
				Construction Sub-Total		**$ 1,610,375.00**	**$ 85,725.00**	**$ 1,696,100.00**
				Construction Allowance (10%)		**$ 161,037.50**	**$ 8,572.50**	**$ 169,610.00**
				Engineering (20%)		**$ 322,075.00**	**$ 17,145.00**	**$ 339,220.00**
				Easement Acquisition (Assumed 3 tracts) ($2,500/tract)		**$ 7,500.00**	**$ -**	**$ 7,500.00**
				Project Subtotal		**$ 2,100,987.50**	**$ 111,442.50**	**$ 2,212,430.00**
				Project Budget Contingency (20%)		**$ 420,197.50**	**$ 22,288.50**	**$ 442,486.00**
				Total Estimated Project Budget Total		**$ 2,521,185.00**	**$ 133,731.00**	**$ 2,654,916.00**

Vestavia Hills Storm Drainage Project - Sunset Drive, Biltmore Avenue, and Southwood Road

Engineer's Estimate of Probable Construction Cost

August 31, 2022

Item No.	Estimated Quantity <Public>	Estimated Quantity <Private>	Unit	Description	Unit Price	Total Cost <Public>	Total Cost <Private>	Total Cost
1	1	0	l.s.	Mobilization and Demobilization	$ 10,000.00	$ 10,000.00	$ -	$ 10,000.00
2	580	0	l.f.	30" Valley Gutter Replacement to 24" curb and	$ 85.00	$ 49,300.00	$ -	$ 49,300.00
3	266	0	l.f.	18" Valley Gutter Replacement to 24" curb and	$ 70.00	$ 18,620.00	$ -	$ 18,620.00
4	7	0	each	Removal and replacement of driveway spanners	$ 2,500.00	$ 17,500.00	$ -	$ 17,500.00
5	190	0	s.y.i.p.	Superpave Bituminous Concrete Binder Layer, Patching, ALDOT 424B, 1" Maximum Aggregate Size Mix, ESAL Range E, (440 lb.sy)	$ 50.00	$ 9,500.00	$ -	$ 9,500.00
6	190	0	s.y.i.p.	Superpave Bituminous Concrete Wearing Surface, ALDOT 424A, 1/2" Maximum Aggregate Size Mix, ESAL Range C/D, (165 lb./sy) (Includes Tack Coat)	$ 40.00	$ 7,600.00	$ -	$ 7,600.00
				Construction Sub-Total		**$ 112,520.00**	**$ -**	**$ 112,520.00**
				Construction Allowance (10%)		**$ 11,252.00**	**$ -**	**$ 11,252.00**
				Engineering (20%)		**$ 22,504.00**	**$ -**	**$ 22,504.00**
				Easement Acquisition (Assumed 0 tracts) ($2,500/tract)		**$ -**	**$ -**	**$ -**
				Project Subtotal		**$ 146,276.00**	**$ -**	**$ 146,276.00**
				Project Budget Contingency (20%)		**$ 29,255.20**	**$ -**	**$ 29,255.20**
				Total Estimated Project Budget Total		**$ 175,531.20**	**$ -**	**$ 175,531.20**



CITY OF VESTAVIA HILLS
DRAINAGE IMPROVEMENTS
EASTERN TRUNKLINE

DATE: SEPTEMBER 2022

SCALE: 1 IN = 200 FT

Civil Engineering | Land Surveying | Landscape Architecture
Environmental | Water Resources | Laser Scanning + Modeling

SCHOEL

1001 22nd Street South
Birmingham, Alabama 35205
205.323.6166

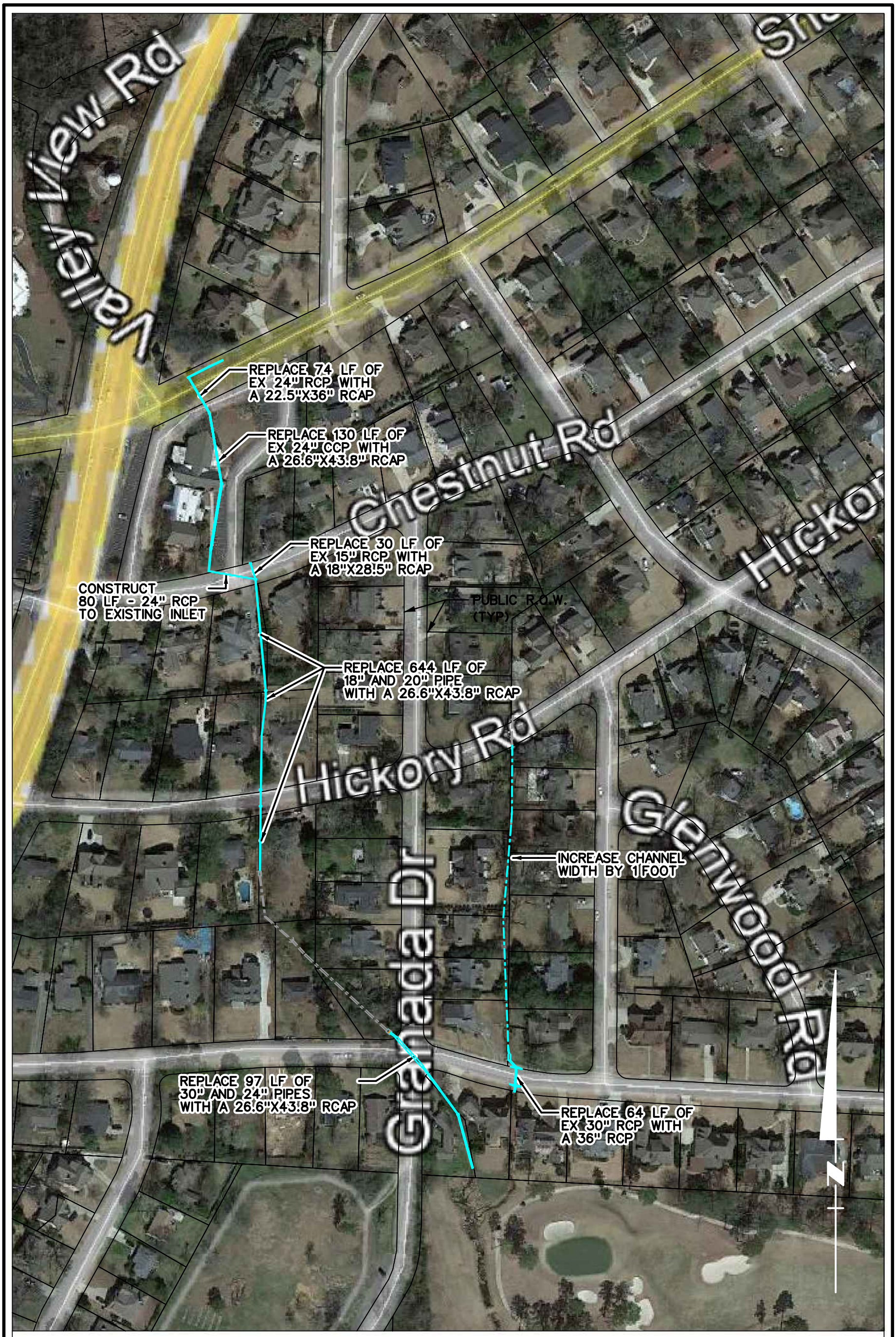
7500 Memorial Pkwy SW, Ste 209
Huntsville, Alabama 35802
256.539.1221

SCHOEL.COM

Vestavia Hills Storm Drainage Project - Central Trunkline
Engineer's Estimate of Probable Construction Cost

August 31, 2022

Item No.	Estimated Quantity <Public>	Estimated Quantity <Private>	Unit	Description	Unit Price	Total Cost <Public>	Total Cost <Private>	Total Cost
1	0.2	0.8	l.s.	Mobilization and Demobilization	$ 10,000.00	$ 2,000.00	$ 8,000.00	$ 10,000.00
2	55	20	l.f.	22.5"x36" Arch Culvert Storm Drain (Eq. 30")	$ 400.00	$ 22,000.00	$ 8,000.00	$ 30,000.00
3	0	746	l.f.	26.6"x43.8" Arch Culvert Storm Drain (Eq. 36")	$ 425.00	$ -	$ 317,050.00	$ 317,050.00
4	30	0	l.f.	18"x28.5" Arch Culvert Storm Drain (Eq. 24")	$ 350.00	$ 10,500.00	$ -	$ 10,500.00
5	80	0	l.f.	24" Diameter RCP CL III Storm Drain at Chestnut Road	$ 200.00	$ 16,000.00	$ -	$ 16,000.00
6	0	96	l.f.	Removal of flume upstream of Hickory Road	$ 100.00	$ -	$ 9,600.00	$ 9,600.00
7	0	34	l.f.	36"x58.5" RCAP Storm Drain (Eq. 48")	$ 475.00	$ -	$ 16,150.00	$ 16,150.00
8	18	44	l.f.	36" Diameter RCP CL III Storm Drain at Southwood Road	$ 250.00	$ 4,500.00	$ 11,000.00	$ 15,500.00
9	0	0.06	ac	Clearing and Grubbing Fernwood Channel	$ 15,000.00	$ -	$ 900.00	$ 900.00
10	109	89	s.y.i.p.	Superpave Bituminous Concrete Binder Layer, Patching, ALDOT 424B, 1" Maximum Aggregate Size Mix, ESAL Range E, (440 lb.sy)	$ 50.00	$ 5,450.00	$ 4,450.00	$ 9,900.00
11	109	89	s.y.i.p.	Superpave Bituminous Concrete Wearing Surface, ALDOT 424A, 1/2" Maximum Aggregate Size Mix, ESAL Range C/D, (165 lb./sy) (Includes Tack Coat)	$ 40.00	$ 4,360.00	$ 3,560.00	$ 7,920.00
12	248	845	l.f.	Rock Excavation	$ 100.00	$ 24,800.00	$ 84,500.00	$ 109,300.00
13	115	1080	s.y.i.p.	Solid Sod Replacement	$ 20.00	$ 2,300.00	$ 21,600.00	$ 23,900.00
				Construction Sub-Total		**$ 91,910.00**	**$ 484,810.00**	**$ 576,720.00**
				Construction Allowance (10%)		**$ 9,191.00**	**$ 48,481.00**	**$ 57,672.00**
				Engineering (20%)		**$ 18,382.00**	**$ 96,962.00**	**$ 115,344.00**
				Easement Acquisition (Assumed 13 tracts) ($2,500/tract)		**$ 32,500.00**	**$ -**	**$ 32,500.00**
				Project Subtotal		**$ 151,983.00**	**$ 630,253.00**	**$ 782,236.00**
				Project Budget Contingency (20%)		**$ 30,396.60**	**$ 126,050.60**	**$ 156,447.20**
				Total Estimated Project Budget Total		**$ 182,379.60**	**$ 756,303.60**	**$ 938,683.20**



CITY OF VESTAVIA HILLS
DRAINAGE IMPROVEMENTS
CENTRAL TRUNKLINE

DATE: SEPTEMBER 2022

SCALE: 1 IN = 200 FT

Civil Engineering | Land Surveying | Landscape Architecture
Environmental | Water Resources | Laser Scanning + Modeling

SCHOEL

1001 22nd Street South
Birmingham, Alabama 35205
205.323.6166

7500 Memorial Pkwy SW, Ste 209
Huntsville, Alabama 35802
256.539.1221

SCHOEL.COM

Vestavia Hills Storm Drainage Project - West Trunkline
Engineer's Estimate of Probable Construction Cost

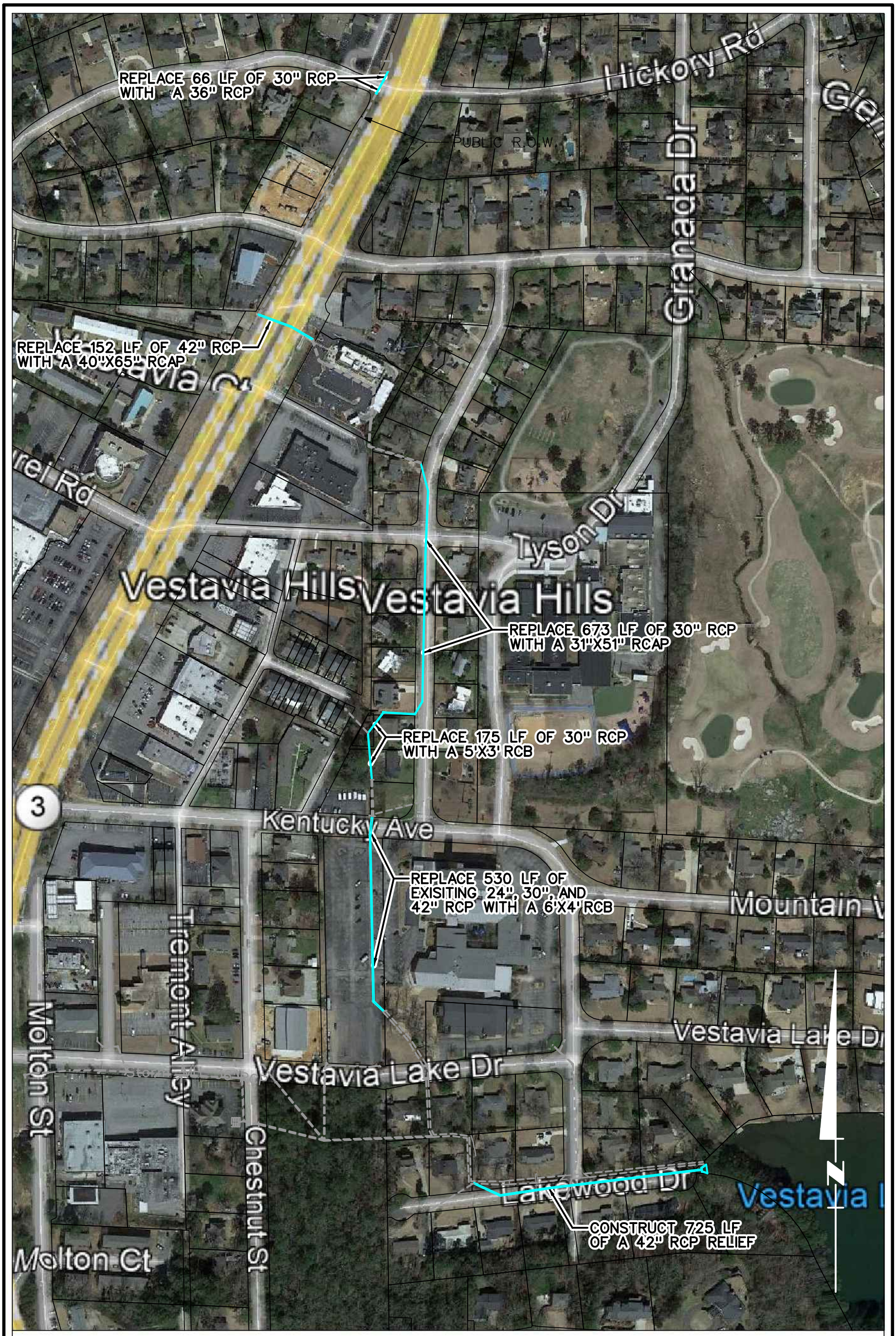
August 31, 2022

Item No.	Estimated Quantity <Public>	Estimated Quantity <Private>	Unit	Description	Unit Price	Total Cost <Public>	Total Cost <Private>	Total Cost
1	0.5	0.5	l.s.	Mobilization and Demobilization	$ 10,000.00	$ 5,000.00	$ 5,000.00	$ 10,000.00
2	66	0	l.f.	36" Diameter RCP CL III Storm Drain at Montgomery Hwy	$ 250.00	$ 16,500.00	$ -	$ 16,500.00
3	673	0	l.f.	31"x51" RCAP Storm Drain (Eq. 42")	$ 425.00	$ 286,025.00	$ -	$ 286,025.00
4	152	0	l.f.	40"x65" RCAP Storm Drain (Eq. 54")	$ 750.00	$ 114,000.00	$ -	$ 114,000.00
5	0	175	l.f.	5'x3' Box Culvert Storm Drain	$ 1,400.00	$ -	$ 245,000.00	$ 245,000.00
6	45	485		6'x4' Box Culvert Storm Drain	$ 1,750.00	$ 78,750.00	$ 848,750.00	$ 927,500.00
7	1036	0	s.y.i.p.	Superpave Bituminous Concrete Binder Layer, Patching, ALDOT 424B, 1" Maximum Aggregate Size Mix, ESAL Range E, (440 lb.sy)	$ 50.00	$ 51,800.00	$ -	$ 51,800.00
8	1036	0	s.y.i.p.	Superpave Bituminous Concrete Wearing Surface, ALDOT 424A, 1/2" Maximum Aggregate Size Mix, ESAL Range C/D, (165 lb./sy) (Includes Tack Coat)	$ 40.00	$ 41,440.00	$ -	$ 41,440.00
9	936	660	l.f.	Rock Excavation	$ 100.00	$ 93,600.00	$ 66,000.00	$ 159,600.00
10	30	260	s.y.i.p.	Solid Sod Replacement	$ 20.00	$ 600.00	$ 5,200.00	$ 5,800.00
				Construction Sub-Total		**$ 687,715.00**	**$ 1,169,950.00**	**$ 1,857,665.00**
				Construction Allowance (10%)		**$ 68,771.50**	**$ 116,995.00**	**$ 185,766.50**
				Engineering (20%)		**$ 137,543.00**	**$ 233,990.00**	**$ 371,533.00**
				Easement Acquisition (Assumed 7 tracts) ($2,500/tract)		**$ 17,500.00**	**$ -**	**$ 17,500.00**
				Project Subtotal		**$ 911,529.50**	**$ 1,520,935.00**	**$ 2,432,464.50**
				Project Budget Contingency (20%)		**$ 182,305.90**	**$ 304,187.00**	**$ 486,492.90**
				Total Estimated Project Budget Total		**$ 1,093,835.40**	**$ 1,825,122.00**	**$ 2,918,957.40**

Vestavia Hills Storm Drainage Project - Lakewood Drive
Engineer's Estimate of Probable Construction Cost

August 31, 2022

Item No.	Estimated Quantity <Public>	Estimated Quantity <Private>	Unit	Description	Unit Price	Total Cost <Public>	Total Cost <Private>	Total Cost
1	0.8	0.2	l.s.	Mobilization and Demobilization	$ 5,000.00	$ 4,000.00	$ 1,000.00	$ 5,000.00
2	0	200	s.y.i.p.	Concrete Driveway Replacement	$ 40.00	$ -	$ 8,000.00	$ 8,000.00
3	0	1	each	Storm Drainage Structure, Box Culvert Headwall	$ 5,000.00	$ -	$ 5,000.00	$ 5,000.00
4	0	2	each	Storm Drainage Structure, Reconstruct Headwall at Lakewood Drive and Vstavia Lake	$ 7,500.00	$ -	$ 15,000.00	$ 15,000.00
5	614	111	l.f.	42" Diameter RCP CL III Storm Drain at Lakewood Drive	$ 400.00	$ 245,600.00	$ 44,400.00	$ 290,000.00
6	1105	0	s.y.i.p.	Superpave Bituminous Concrete Binder Layer, Patching, ALDOT 424B, 1" Maximum Aggregate Size Mix, ESAL Range E, (440 lb.sy)	$ 50.00	$ 55,250.00	$ -	$ 55,250.00
7	1105	0	s.y.i.p.	Superpave Bituminous Concrete Wearing Surface, ALDOT 424A, 1/2" Maximum Aggregate Size Mix, ESAL Range C/D, (165 lb./sy) (Includes Tack Coat)	$ 40.00	$ 44,200.00	$ -	$ 44,200.00
8	614	111	l.f.	Rock Excavation	$ 200.00	$ 122,800.00	$ 22,200.00	$ 145,000.00
				Construction Sub-Total		**$ 471,850.00**	**$ 95,600.00**	**$ 567,450.00**
				Construction Allowance (10%)		**$ 47,185.00**	**$ 9,560.00**	**$ 56,745.00**
				Engineering (20%)		**$ 94,370.00**	**$ 19,120.00**	**$ 113,490.00**
				Easement Acquisition (Assumed 2 tracts) ($2,500/tract)		**$ 5,000.00**	**$ -**	**$ 5,000.00**
				Project Subtotal		**$ 618,405.00**	**$ 124,280.00**	**$ 742,685.00**
				Project Budget Contingency (20%)		**$ 123,681.00**	**$ 24,856.00**	**$ 148,537.00**
				Total Estimated Project Budget Total		**$ 742,086.00**	**$ 149,136.00**	**$ 891,222.00**



CITY OF VESTAVIA HILLS
DRAINAGE IMPROVEMENTS
WESTERN TRUNKLINE AND
LAKEWOOD DRIVE

DATE: SEPTEMBER 2022
SCALE: 1 IN = 300 FT

Civil Engineering | Land Surveying | Landscape Architecture
Environmental | Water Resources | Laser Scanning + Modeling

SCHOEL

1001 22nd Street South | 7500 Memorial Pkwy SW, Ste 209
Birmingham, Alabama 35205 | Huntsville, Alabama 35802
205.323.6166 | 256.539.1221
SCHOEL.COM

APPENDIX D

Hydrologic Model Report

ALTERNATIVE RUNOFF METHOD (ARM) - PCSWMM VERSION 7.4.3240

This is a new version of ARM - your feedback and suggestions are solicited.
Create a ticket, post on the PCSWMM feature request forum, or email us directly!

Simulation start time:	11/01/2021 00:00:00
Simulation end time:	11/01/2021 12:00:00
Runoff wet weather time steps:	60 seconds
Report time steps:	180 seconds
Number of data points:	241

Unit Hydrographs Runoff Method

Subcatchment	Runoff Method	Time after Peak (min)	Peak UH Flow (CFS/in)	Raingage (in)	Area UH (ac)	Time of Concentration (min)	Time to Peak (min)	Depth
Basin1West	Dimensionless UH (483.4)	26.66	59.46517	2YR_6HR_SCS_Type_III_2.86	8.529	10	6.5	0.995
Basin2West	Dimensionless UH (483.4)	21.33	255.37543	2YR_6HR_SCS_Type_III_2.86	29.866	8	5.3	0.991
Basin3West	Dimensionless UH (483.4)	31.99	72.9573	2YR_6HR_SCS_Type_III_2.86	12.396	12	7.7	0.997
Basin4West	Dimensionless UH (483.4)	18.66	53.3797	2YR_6HR_SCS_Type_III_2.86	5.536	7	4.7	0.991
Basin7East	Dimensionless UH (483.4)	23.99	182.32732	2YR_6HR_SCS_Type_III_2.86	23.737	9	5.9	0.993
Basin10East	Dimensionless UH (483.4)	21.33	76.1355	2YR_6HR_SCS_Type_III_2.86	8.904	8	5.3	0.991
Basin5Central	Dimensionless UH (483.4)	23.99	197.04439	2YR_6HR_SCS_Type_III_2.86	25.653	9	5.9	0.993
Basin6East	Dimensionless UH (483.4)	23.99	114.31079	2YR_6HR_SCS_Type_III_2.86	14.882	9	5.9	0.993
Basin6Central	Dimensionless UH (483.4)	21.33	38.03355	2YR_6HR_SCS_Type_III_2.86	4.448	8	5.3	0.991
Basin3Central	Dimensionless UH (483.4)	13.33	72.43231	2YR_6HR_SCS_Type_III_2.86	5.594	5	3.5	0.994
Basin2Central	Dimensionless UH (483.4)	8	121.61188	2YR_6HR_SCS_Type_III_2.86	6.172	3	2.3	0.992
Basin1Central	Dimensionless UH (483.4)	21.33	121.54831	2YR_6HR_SCS_Type_III_2.86	14.215	8	5.3	0.991
Basin4Central	Dimensionless UH (483.4)	31.99	83.99271	2YR_6HR_SCS_Type_III_2.86	14.271	12	7.7	0.997
Basin4East	Dimensionless UH (483.4)	26.66	53.78987	2YR_6HR_SCS_Type_III_2.86	7.715	10	6.5	0.995
Basin9East	Dimensionless UH (483.4)	18.66	41.01829	2YR_6HR_SCS_Type_III_2.86	4.254	7	4.7	0.991
Basin5East	Dimensionless UH (483.4)	13.33	31.95619	2YR_6HR_SCS_Type_III_2.86	2.468	5	3.5	0.994
Basin8East	Dimensionless UH (483.4)	18.66	128.8981	2YR_6HR_SCS_Type_III_2.86	13.368	7	4.7	0.991

Basin3East	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		10.054
8	5.3	21.33	85.96881	0.991	
Basin3.1East	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		5.642
9	5.9	23.99	43.33701	0.993	
Basin2East	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		7.984
8	5.3	21.33	68.26885	0.991	
Basin1East	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		32.052
10	6.5	26.66	223.47024	0.995	
Basin1.1West	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		18.843
11.5	7.4	30.66	115.39746	0.995	
Basin1.2West	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		5.956
10	6.5	26.66	41.52592	0.995	
Basin2.1West	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		7.295
10	6.5	26.66	50.86158	0.995	
Basin3.4West	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		11.605
10	6.5	26.66	80.9114	0.995	
Basin3.3West	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		5.053
6	4.1	16	55.8526	0.993	
Basin3.5West	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		12.351
13	8.3	34.66	67.43758	0.999	
Basin3.2West	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		3.736
8	5.3	21.33	31.94544	0.991	
Basin3.1West	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		1.463
3	2.3	8	28.82667	0.992	
Basin5West	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		2.28
4	2.9	10.66	35.62991	0.991	
Basin6West	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		8.24
9	5.9	23.99	63.29263	0.993	
Basin3.2East	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		2.469
9	5.9	23.99	18.96474	0.993	
Basin1.1Central	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		6.376
7	4.7	18.66	61.47922	0.991	

****
ARM Runoff Summary
****

Subcatchment	Total Precip (in)	Total Losses (in)	Total Runoff (in)	Total Runoff 10^6 gal	Peak Runoff CFS	Runoff Coeff (fraction)
Basin1West	2.86	1.118	1.742	0.404	19.941	0.609
Basin2West	2.86	0.664	2.195	1.78	87.811	0.768
Basin3West	2.86	1.653	1.207	0.406	19.262	0.422
Basin4West	2.86	1.437	1.422	0.214	11.325	0.497
Basin7East	2.86	1.243	1.617	1.042	52.862	0.565
Basin10East	2.86	1.714	1.146	0.277	14.362	0.401

Basin5Central	2.86	1.451	1.408	0.981	49.908
0.492					
Basin6East	2.86	1.558	1.301	0.526	26.715
0.455					
Basin6Central	2.86	1.243	1.617	0.195	10.091
0.565					
Basin3Central	2.86	0.831	2.029	0.308	16.138
0.709					
Basin2Central	2.86	0.866	1.979	0.332	17.777
0.692					
Basin1Central	2.86	1.331	1.528	0.59	30.592
0.534					
Basin4Central	2.86	1.243	1.617	0.627	29.881
0.566					
Basin4East	2.86	1.243	1.618	0.339	16.828
0.566					
Basin9East	2.86	1.243	1.617	0.187	9.84
0.565					
Basin5East	2.86	1.158	1.702	0.114	6.158
0.595					
Basin8East	2.86	1.243	1.617	0.587	30.921
0.565					
Basin3East	2.86	1.243	1.617	0.442	22.81
0.566					
Basin3.1East	2.86	1.243	1.617	0.248	12.565
0.565					
Basin2East	2.86	1.331	1.528	0.331	17.182
0.534					
Basin1East	2.86	1.331	1.529	1.331	66.246
0.535					
Basin1.1West	2.86	1.094	1.766	0.904	43.383
0.617					
Basin1.2West	2.86	1.181	1.679	0.272	13.449
0.587					
Basin2.1West	2.86	1.197	1.664	0.33	16.333
0.582					
Basin3.4West	2.86	0.953	1.908	0.601	29.452
0.667					
Basin3.3West	2.86	0.527	2.328	0.319	15.838
0.814					
Basin3.5West	2.86	1.309	1.551	0.52	24.337
0.542					
Basin3.2West	2.86	0.517	2.343	0.238	11.474
0.819					
Basin3.1West	2.86	0.231	2.61	0.104	4.901
0.912					
Basin5West	2.86	0.547	2.313	0.143	7.248
0.809					
Basin6West	2.86	0.693	2.166	0.485	23.567
0.757					
Basin3.2East	2.86	1.317	1.542	0.103	5.256
0.539					
Basin1.1Central	2.86	0.831	2.028	0.351	17.933
0.709					

Post field day
Overland split on Southwood Rd. and Trousdale St.

WARNING 03: negative offset ignored for Link C122_2
WARNING 03: negative offset ignored for Link C124
WARNING 03: negative offset ignored for Link C125
WARNING 03: negative offset ignored for Link C127_1
WARNING 03: negative offset ignored for Link C127_2
WARNING 04: minimum elevation drop used for Conduit C141
WARNING 04: minimum elevation drop used for Conduit C143
WARNING 04: minimum elevation drop used for Conduit C150
WARNING 04: minimum elevation drop used for Conduit C164
WARNING 03: negative offset ignored for Link C8
WARNING 03: negative offset ignored for Link C89
WARNING 04: minimum elevation drop used for Conduit C89
WARNING 03: negative offset ignored for Link C90
WARNING 02: maximum depth increased for Node J1
WARNING 02: maximum depth increased for Node J100
WARNING 02: maximum depth increased for Node J102
WARNING 02: maximum depth increased for Node J103
WARNING 02: maximum depth increased for Node J11
WARNING 02: maximum depth increased for Node J113
WARNING 02: maximum depth increased for Node J114
WARNING 02: maximum depth increased for Node J117
WARNING 02: maximum depth increased for Node J118
WARNING 02: maximum depth increased for Node J12
WARNING 02: maximum depth increased for Node J13
WARNING 02: maximum depth increased for Node J133
WARNING 02: maximum depth increased for Node J134
WARNING 02: maximum depth increased for Node J137
WARNING 02: maximum depth increased for Node J14
WARNING 02: maximum depth increased for Node J141
WARNING 02: maximum depth increased for Node J148
WARNING 02: maximum depth increased for Node J149
WARNING 02: maximum depth increased for Node J15
WARNING 02: maximum depth increased for Node J155
WARNING 02: maximum depth increased for Node J156
WARNING 02: maximum depth increased for Node J157
WARNING 02: maximum depth increased for Node J158
WARNING 02: maximum depth increased for Node J159
WARNING 02: maximum depth increased for Node J162
WARNING 02: maximum depth increased for Node J167
WARNING 02: maximum depth increased for Node J17
WARNING 02: maximum depth increased for Node J19
WARNING 02: maximum depth increased for Node J2
WARNING 02: maximum depth increased for Node J20
WARNING 02: maximum depth increased for Node J21
WARNING 02: maximum depth increased for Node J22
WARNING 02: maximum depth increased for Node J23
WARNING 02: maximum depth increased for Node J24
WARNING 02: maximum depth increased for Node J25
WARNING 02: maximum depth increased for Node J26
WARNING 02: maximum depth increased for Node J27
WARNING 02: maximum depth increased for Node J28
WARNING 02: maximum depth increased for Node J3
WARNING 02: maximum depth increased for Node J30

```
WARNING 02: maximum depth increased for Node J31
WARNING 02: maximum depth increased for Node J32
WARNING 02: maximum depth increased for Node J33
WARNING 02: maximum depth increased for Node J34
WARNING 02: maximum depth increased for Node J35
WARNING 02: maximum depth increased for Node J36
WARNING 02: maximum depth increased for Node J37
WARNING 02: maximum depth increased for Node J38
WARNING 02: maximum depth increased for Node J4
WARNING 02: maximum depth increased for Node J45
WARNING 02: maximum depth increased for Node J49
WARNING 02: maximum depth increased for Node J50
WARNING 02: maximum depth increased for Node J52
WARNING 02: maximum depth increased for Node J57
WARNING 02: maximum depth increased for Node J58
WARNING 02: maximum depth increased for Node J59
WARNING 02: maximum depth increased for Node J6
WARNING 02: maximum depth increased for Node J60
WARNING 02: maximum depth increased for Node J61
WARNING 02: maximum depth increased for Node J62
WARNING 02: maximum depth increased for Node J63
WARNING 02: maximum depth increased for Node J64
WARNING 02: maximum depth increased for Node J65
WARNING 02: maximum depth increased for Node J66
WARNING 02: maximum depth increased for Node J7
WARNING 02: maximum depth increased for Node J71
WARNING 02: maximum depth increased for Node J77
WARNING 02: maximum depth increased for Node J8
WARNING 02: maximum depth increased for Node J81
WARNING 02: maximum depth increased for Node J82
WARNING 02: maximum depth increased for Node J85
WARNING 02: maximum depth increased for Node J86
WARNING 02: maximum depth increased for Node J87
WARNING 02: maximum depth increased for Node J89
WARNING 02: maximum depth increased for Node J9
WARNING 02: maximum depth increased for Node J90
WARNING 02: maximum depth increased for Node J92
WARNING 02: maximum depth increased for Node J94
WARNING 02: maximum depth increased for Node J95
WARNING 02: maximum depth increased for Node J96
WARNING 02: maximum depth increased for Node J97
WARNING 02: maximum depth increased for Node J98
WARNING 02: maximum depth increased for Node J99

*************
Element Count
*************
Number of rain gages ...... 6
Number of subcatchments ... 0
Number of nodes ........... 190
Number of links ........... 232
Number of pollutants ...... 0
Number of land uses ....... 0


****************
Raingage Summary
```

****

Name	Data Source	Data Type	Recording Interval
100YR_24HR_SCS_Type_III_9.58in	100YR_24HR_SCS_Type_III_9.58in	CUMULATIVE	6 min.
10YR_6HR_SCS_Type_III_4in	10YR_6HR_SCS_Type_III_4in	CUMULATIVE	6 min.
25YR_24HR_SCS_Type_III_7.19in	25YR_24HR_SCS_Type_III_7.19in	CUMULATIVE	6 min.
25YR_6HR_SCS_Type_III_4.82in	25YR_6HR_SCS_Type_III_4.82in	CUMULATIVE	6 min.
2YR_6HR_SCS_Type_III_2.86in	2YR_6HR_SCS_Type_III_2.86in	CUMULATIVE	6 min.
5YR_6HR_SCS_Type_III_3.45in	5YR_6HR_SCS_Type_III_3.45in	CUMULATIVE	6 min.

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J1	JUNCTION	848.39	5.60	0.0	
J10	JUNCTION	879.04	7.56	100.0	
J100	JUNCTION	905.61	3.75	0.0	
J101	JUNCTION	963.28	6.00	100.0	
J102	JUNCTION	998.19	1.57	0.0	
J103	JUNCTION	996.01	1.50	0.0	
J104	JUNCTION	980.09	3.20	100.0	
J105	JUNCTION	979.08	3.30	100.0	
J106	JUNCTION	976.93	4.51	100.0	
J107	JUNCTION	990.78	1.33	0.0	
J108	JUNCTION	1008.00	5.20	100.0	
J109	JUNCTION	978.18	3.00	100.0	
J11	JUNCTION	898.40	3.76	0.0	
J110	JUNCTION	1014.00	5.00	100.0	
J111	JUNCTION	1007.80	5.30	100.0	
J112	JUNCTION	998.36	2.90	0.0	
J113	JUNCTION	1037.24	4.90	100.0	
J114	JUNCTION	891.30	8.97	0.0	
J115	JUNCTION	892.11	5.20	0.0	
J116	JUNCTION	894.30	4.30	0.0	
J117	JUNCTION	882.08	8.97	0.0	
J118	JUNCTION	890.79	8.97	0.0	
J119	JUNCTION	890.63	5.20	0.0	
J12	JUNCTION	895.95	3.75	0.0	
J120	JUNCTION	891.47	4.40	0.0	
J121	JUNCTION	892.13	4.20	0.0	
J122	JUNCTION	893.91	3.70	0.0	
J123	JUNCTION	893.13	2.71	0.0	
J124	JUNCTION	893.48	3.61	0.0	
J125	JUNCTION	881.65	5.77	0.0	
J126	JUNCTION	877.62	6.77	0.0	
J127	JUNCTION	884.30	5.10	0.0	
J128	JUNCTION	882.80	3.98	0.0	
J129	JUNCTION	877.05	4.15	0.0	
J13	JUNCTION	860.36	7.64	100.0	
J130	JUNCTION	862.87	4.72	0.0	
J131	JUNCTION	861.66	3.52	0.0	
J132	JUNCTION	991.90	5.08	100.0	
J133	JUNCTION	983.79	8.56	0.0	

J134	JUNCTION	1042.79	3.17	100.0
J135	JUNCTION	977.09	12.01	0.0
J136	JUNCTION	973.46	13.81	0.0
J137	JUNCTION	970.71	5.29	0.0
J138	JUNCTION	971.38	13.62	0.0
J139	JUNCTION	959.50	5.50	0.0
J14	JUNCTION	858.82	9.76	0.0
J140	JUNCTION	931.15	5.34	100.0
J141	JUNCTION	929.49	4.45	0.0
J142	JUNCTION	1046.96	2.78	100.0
J143	JUNCTION	1033.97	4.65	0.0
J144	JUNCTION	966.77	2.73	100.0
J145	JUNCTION	967.65	3.00	100.0
J146	JUNCTION	967.65	2.43	100.0
J147	JUNCTION	1046.25	3.56	100.0
J148	JUNCTION	929.08	3.00	0.0
J149	JUNCTION	1073.88	2.63	100.0
J15	JUNCTION	858.44	8.64	0.0
J150	JUNCTION	1046.00	4.00	100.0
J151	JUNCTION	996.50	3.11	0.0
J152	JUNCTION	982.58	2.30	100.0
J153	JUNCTION	979.33	5.12	100.0
J154	JUNCTION	976.81	5.16	0.0
J155	JUNCTION	977.16	5.29	0.0
J156	JUNCTION	978.64	4.52	0.0
J157	JUNCTION	980.77	3.23	0.0
J158	JUNCTION	980.80	3.20	100.0
J159	JUNCTION	1002.16	6.84	0.0
J16	JUNCTION	856.93	6.36	0.0
J160	JUNCTION	1029.71	1.00	0.0
J161	JUNCTION	1014.00	1.00	0.0
J162	JUNCTION	1003.98	5.02	0.0
J163	JUNCTION	1008.97	5.54	0.0
J164	JUNCTION	1009.11	5.39	0.0
J165	JUNCTION	1011.41	2.98	0.0
J166	JUNCTION	976.00	5.00	0.0
J167	JUNCTION	965.91	3.00	0.0
J168	JUNCTION	912.61	5.18	0.0
J169	JUNCTION	912.00	5.00	0.0
J17	JUNCTION	854.58	6.36	0.0
J170	JUNCTION	908.86	4.80	0.0
J171	JUNCTION	905.27	6.32	0.0
J172	JUNCTION	901.90	8.74	0.0
J173	JUNCTION	910.94	3.85	0.0
J174	JUNCTION	909.90	4.00	0.0
J175	JUNCTION	908.08	4.70	0.0
J176	JUNCTION	901.94	7.47	0.0
J177	JUNCTION	900.54	7.20	0.0
J178	JUNCTION	903.72	3.19	0.0
J179	JUNCTION	898.29	4.45	0.0
J18	JUNCTION	853.55	6.32	0.0
J180	JUNCTION	895.32	4.80	0.0
J181	JUNCTION	890.00	4.59	0.0
J182	JUNCTION	888.43	5.27	0.0
J183	JUNCTION	884.34	2.35	0.0
J184	JUNCTION	861.91	3.50	0.0
J185	JUNCTION	927.55	2.80	0.0

J186	JUNCTION	926.20	3.52	0.0
J187	JUNCTION	1011.79	3.00	0.0
J19	JUNCTION	848.41	4.34	0.0
J2	JUNCTION	861.21	6.39	0.0
J20	JUNCTION	845.32	9.99	0.0
J21	JUNCTION	863.59	6.88	100.0
J22	JUNCTION	863.98	8.40	100.0
J23	JUNCTION	863.86	11.03	0.0
J24	JUNCTION	864.84	11.03	0.0
J25	JUNCTION	865.83	8.02	0.0
J26	JUNCTION	867.96	5.24	0.0
J27	JUNCTION	871.54	8.97	0.0
J28	JUNCTION	943.21	4.80	0.0
J29	JUNCTION	926.69	4.47	100.0
J3	JUNCTION	853.15	10.09	0.0
J30	JUNCTION	922.02	5.00	0.0
J31	JUNCTION	919.62	7.26	100.0
J32	JUNCTION	919.27	6.35	100.0
J33	JUNCTION	917.74	7.30	0.0
J34	JUNCTION	899.22	9.20	0.0
J35	JUNCTION	908.54	8.20	0.0
J36	JUNCTION	897.71	6.13	0.0
J37	JUNCTION	896.92	6.43	0.0
J38	JUNCTION	887.13	6.43	0.0
J39	JUNCTION	885.67	5.62	0.0
J4	JUNCTION	854.42	9.15	0.0
J40	JUNCTION	903.56	8.96	0.0
J41	JUNCTION	894.45	14.60	0.0
J42	JUNCTION	898.27	8.20	0.0
J43	JUNCTION	895.14	4.23	0.0
J44	JUNCTION	889.39	5.20	0.0
J45	JUNCTION	887.35	8.97	0.0
J46	JUNCTION	1029.23	5.58	100.0
J47	JUNCTION	1029.03	4.84	100.0
J48	JUNCTION	1028.23	4.05	100.0
J49	JUNCTION	1027.18	4.65	0.0
J5	JUNCTION	853.85	8.57	0.0
J50	JUNCTION	1011.69	4.10	100.0
J51	JUNCTION	1005.32	4.55	0.0
J52	JUNCTION	996.69	6.28	100.0
J53	JUNCTION	1072.41	2.60	100.0
J54	JUNCTION	1070.72	2.50	100.0
J55	JUNCTION	1065.60	3.05	100.0
J56	JUNCTION	1050.60	3.20	100.0
J57	JUNCTION	1014.89	2.68	0.0
J58	JUNCTION	1045.75	1.50	0.0
J59	JUNCTION	1034.52	7.50	100.0
J6	JUNCTION	866.40	5.64	0.0
J60	JUNCTION	1021.50	5.90	100.0
J61	JUNCTION	1002.60	5.11	100.0
J62	JUNCTION	1001.78	6.11	100.0
J63	JUNCTION	995.85	4.43	0.0
J64	JUNCTION	986.80	6.96	0.0
J65	JUNCTION	986.54	7.22	0.0
J66	JUNCTION	978.86	5.27	0.0
J67	JUNCTION	982.37	4.70	0.0
J68	JUNCTION	976.97	6.82	0.0

J69	JUNCTION	976.37	5.85	100.0
J7	JUNCTION	875.38	11.00	0.0
J70	JUNCTION	973.41	3.12	100.0
J71	JUNCTION	969.66	3.00	0.0
J72	JUNCTION	1055.62	6.83	100.0
J74	JUNCTION	1052.29	2.20	100.0
J75	JUNCTION	1053.01	3.20	100.0
J76	JUNCTION	1053.68	3.35	100.0
J77	JUNCTION	1028.46	6.26	100.0
J78	JUNCTION	1021.44	4.25	100.0
J79	JUNCTION	1026.15	3.55	100.0
J8	JUNCTION	875.08	10.02	0.0
J80	JUNCTION	1014.55	5.90	100.0
J81	JUNCTION	1015.00	5.55	100.0
J82	JUNCTION	1014.00	6.45	100.0
J83	JUNCTION	1019.80	3.10	0.0
J84	JUNCTION	1018.05	4.75	0.0
J85	JUNCTION	988.25	3.23	0.0
J86	JUNCTION	987.17	3.54	0.0
J87	JUNCTION	986.40	4.54	0.0
J88	JUNCTION	985.65	3.40	0.0
J89	JUNCTION	981.52	5.60	100.0
J9	JUNCTION	875.66	11.00	0.0
J90	JUNCTION	980.25	8.35	0.0
J91	JUNCTION	1048.66	4.60	100.0
J92	JUNCTION	975.95	7.26	100.0
J93	JUNCTION	975.42	4.47	100.0
J94	JUNCTION	973.80	4.61	100.0
J95	JUNCTION	973.39	7.34	100.0
J96	JUNCTION	973.27	6.85	100.0
J97	JUNCTION	964.70	9.36	100.0
J98	JUNCTION	962.53	9.90	0.0
J99	JUNCTION	961.98	6.10	0.0
OF1	OUTFALL	843.04	9.99	0.0
J73	STORAGE	1048.58	6.10	0.0
SU1	STORAGE	948.10	3.90	0.0
SU2	STORAGE	890.46	4.70	0.0

****
Link Summary
****

Name	From Node	To Node	Type	Length	% Slope	Roughness
5	J33	J35	CONDUIT	225.8	3.6761	0.0110
C1	J20	OF1	CONDUIT	67.8	3.3701	0.0300
C10	J16	J17	CONDUIT	138.2	1.7001	0.0300
C100	J119	J118	CONDUIT	17.1	-0.9335	0.0130
C101	J118	J117	CONDUIT	112.3	7.7752	0.0350
C102	J120	J119	CONDUIT	31.1	1.7354	0.0130

C103	J122	J120	CONDUIT	15.7	
15.0984	0.0130				
C104	J121	J120	CONDUIT	29.8	
0.8725	0.0130				
C105	J123	J121	CONDUIT	98.2	
0.7636	0.0130				
C106	J124	J123	CONDUIT	19.8	
0.8096	0.0130				
C107	J39	J27	CONDUIT	204.9	
6.9145	0.0400				
C108	J125	J126	CONDUIT	48.3	
8.1639	0.0130				
C109	J127	J125	CONDUIT	33.9	
2.8324	0.0130				
C110	J128	J126	CONDUIT	57.9	
8.4218	0.0130				
C111	J126	J129	CONDUIT	42.3	
1.2296	0.0130				
C112	J129	J130	CONDUIT	168.9	
8.3840	0.0130				
C113	J130	J131	CONDUIT	50.9	
2.1427	0.0130				
C114	J131	J15	CONDUIT	42.4	
7.6089	0.0130				
C115	J49	J50	CONDUIT	270.3	
5.7404	0.0130				
C116	J31	J32	CONDUIT	17.0	
7.4225	0.0200				
C116_2	J77	J81	CONDUIT	467.7	
3.0310	0.0500				
C117	J61	J62	CONDUIT	31.5	-
0.5709	0.0130				
C118	J52	J132	CONDUIT	80.9	
5.9291	0.0130				
C119	J133	J135	CONDUIT	61.8	
10.8979	0.0130				
C12	J1	J19	CONDUIT	629.1	-
0.0027	0.0130				
C120	J135	J136	CONDUIT	157.0	
2.0390	0.0130				
C121	J102	J107	CONDUIT	196.8	
4.2121	0.0230				
C122	J137	J139	CONDUIT	200.3	
5.6060	0.0240				
C122_1	J136	J138	CONDUIT	76.9	
2.7043	0.0130				
C122_2	J138	J137	CONDUIT	24.7	
2.7121	0.0130				
C123	J139	J140	CONDUIT	673.1	
4.1099	0.0130				
C124	J140	J141	CONDUIT	82.4	
1.8929	0.0240				
C125	J141	J29	CONDUIT	67.9	
2.1798	0.0130				
C126	J147	J150	CONDUIT	11.7	
2.1378	0.0130				
C127	J142	J150	CONDUIT	17.5	
5.4786	0.0130				
C127_1	J73	J150	CONDUIT	142.3	
1.8133	0.0130				

C127_2	J150	J143	CONDUIT	166.6	7.2378	0.0130
C128	J82	J110	CONDUIT	12.1	0.4147	0.0130
C128_1	J141	J148	CONDUIT	73.5	3.8944	0.0300
C128_2	J148	J30	CONDUIT	125.1	4.0485	0.0300
C128_3	J80	J110	CONDUIT	194.5	0.2828	0.0130
C128_4	J111	J151	CONDUIT	220.7	5.1257	0.0240
C128_5	J110	J111	CONDUIT	75.6	8.2259	0.0130
C128_7	J151	J85	CONDUIT	157.3	5.2511	0.0130
C129	J139	J32	CONDUIT	1077.2	3.7373	0.0230
C13	J17	J18	CONDUIT	13.0	7.9280	0.0300
C130	J112	J151	CONDUIT	39.2	2.1959	0.0130
C130_1	J30	J31	CONDUIT	99.8	0.9822	0.0300
C131	J149	J53	CONDUIT	26.1	5.6414	0.0130
C132	J59	J60	CONDUIT	200.0	7.3292	0.0240
C132_1	J149	J113	CONDUIT	365.2	9.4532	0.0220
C133	J156	J155	CONDUIT	19.8	3.5902	0.0200
C134	J57	J61	CONDUIT	98.7	12.2487	0.0240
C135	J58	J134	CONDUIT	41.8	1.8855	0.0300
C136	J134	J59	CONDUIT	87.8	4.4935	0.0220
C137	J144	J101	CONDUIT	19.1	4.3962	0.0130
C138	J57	J61	CONDUIT	100.1	9.8993	0.0200
C139	J155	J154	CONDUIT	31.2	1.1207	0.0130
C14	J18	J1	CONDUIT	170.0	3.0361	0.0300
C140	J62	J63	CONDUIT	119.3	6.3900	0.0200
C141	J64	J65	CONDUIT	36.8	0.0027	0.0200
C142	J66	J71	CONDUIT	192.3	6.8447	0.0240
C143	J162	J159	CONDUIT	30.6	0.0033	0.0240
C144	J156	J155	CONDUIT	17.6	8.4448	0.0130
C145	J158	J157	CONDUIT	5.8	0.5156	0.0240
C147	J157	J156	CONDUIT	17.9	12.0180	0.0700

C148	J35	J34	CONDUIT	224.8	
3.7058	0.0110				
C149	J34	J36	CONDUIT	43.5	
10.5722	0.0110				
C15	J13	J14	CONDUIT	22.3	
6.9280	0.0300				
C150	J22	J21	CONDUIT	14.3	
0.0070	0.0130				
C151	J14	J15	CONDUIT	65.6	
0.7618	0.0200				
C152	J162	J159	CONDUIT	24.4	
7.4931	0.0140				
C153	J159	J158	CONDUIT	392.2	
5.4549	0.0500				
C154	J163	J164	CONDUIT	10.6	-
1.3197	0.0130				
C155	J164	J162	CONDUIT	117.0	
4.3891	0.0700				
C156	J98	J99	CONDUIT	17.4	
13.5980	0.0240				
C157	J165	J163	CONDUIT	35.7	
6.7745	0.0130				
C158	J154	J166	CONDUIT	12.3	
6.5938	0.0300				
C159	J81	J82	CONDUIT	33.0	
16.9258	0.0110				
C16	J2	J13	CONDUIT	55.0	
1.5381	0.0300				
C160	J166	J167	CONDUIT	256.7	
3.9321	0.0240				
C160_3	J82	J85	CONDUIT	460.5	
6.4084	0.0110				
C161	J168	J169	CONDUIT	45.2	
1.3500	0.0130				
C162	J169	J40	CONDUIT	95.0	
8.8905	0.0130				
C163	J113	J59	CONDUIT	31.2	
0.3849	0.0110				
C164	J158	J157	CONDUIT	7.9	
0.0127	0.0240				
C165	J170	J40	CONDUIT	9.9	
3.0317	0.0130				
C166	J89	J90	CONDUIT	21.0	
2.4827	0.0110				
C167	J173	J174	CONDUIT	18.8	
0.4785	0.0130				
C168	J85	J87	CONDUIT	127.1	
0.0464	0.0110				
C169	J174	J175	CONDUIT	41.1	
3.7039	0.0130				
C169_2	J95	J96	CONDUIT	16.9	
3.6067	0.0110				
C169_3	J92	J109	CONDUIT	49.8	
4.0715	0.0110				
C169_4	J109	J95	CONDUIT	11.1	
4.0655	0.0110				
C17	J21	J2	CONDUIT	66.4	
3.5867	0.0300				
C170	J175	J172	CONDUIT	70.7	
4.3764	0.0130				

C170_4	J160	J161	CONDUIT	268.8	
5.8529	0.0350				
C170_6	J161	J52	CONDUIT	309.4	
3.8913	0.0350				
C171	J49	J160	CONDUIT	18.6	
6.0381	0.0350				
C172	J50	J161	CONDUIT	9.0	
8.7892	0.0350				
C173	J176	J41	CONDUIT	9.5	
128.9248	0.0130				
C174	J133	J137	CONDUIT	317.6	
5.1556	0.0110				
C175	J13	J14	CONDUIT	27.0	-
2.1514	0.0240				
C176	J4	J3	CONDUIT	42.1	
0.7795	0.0110				
C177	J19	J20	CONDUIT	6.5	
15.3877	0.0240				
C178	J177	J42	CONDUIT	14.8	
15.5118	0.0130				
C179	J178	J42	CONDUIT	56.6	
9.6750	0.0130				
C18	J22	J21	CONDUIT	12.8	
3.0469	0.0350				
C180	J179	J180	CONDUIT	48.6	
3.8523	0.0130				
C181	J180	J43	CONDUIT	10.4	
0.5776	0.0130				
C182	SU2	J181	CONDUIT	3.7	
7.0713	0.0300				
C183	J181	J44	CONDUIT	8.3	
4.0998	0.0130				
C184	J184	J15	CONDUIT	71.3	
4.8694	0.0130				
C185	J185	J186	CONDUIT	37.3	
3.1676	0.0240				
C186	J186	J31	CONDUIT	123.3	
5.3451	0.0240				
C187	J187	J50	CONDUIT	10.9	
0.9154	0.0130				
C188	J91	J73	CONDUIT	56.2	
2.5285	0.0130				
C19	J23	J22	CONDUIT	15.7	-
0.7565	0.0350				
C2	J3	J1	CONDUIT	167.0	
2.8539	0.0300				
C20	J24	J23	CONDUIT	60.4	
1.6158	0.0350				
C21	J25	J24	CONDUIT	38.7	
2.5786	0.0350				
C22	J26	J25	CONDUIT	50.0	
4.2576	0.0350				
C23	J27	J26	CONDUIT	71.5	
5.0115	0.0350				
C24	J28	J29	CONDUIT	86.6	
18.3150	0.0130				
C25	J29	J30	CONDUIT	123.9	
3.7729	0.0130				
C26	J30	J31	CONDUIT	94.8	
2.5231	0.0350				

C27	J31	J32	CONDUIT	13.3	1.7267	0.0130
C28	J32	J33	CONDUIT	37.8	3.5214	0.0130
C29	J34	J36	CONDUIT	39.2	3.8503	0.0130
C29_1	J33	J35	CONDUIT	220.0	4.1838	0.0130
C29_2	J35	J34	CONDUIT	220.7	4.1837	0.0130
C3	J6	J4	CONDUIT	157.5	7.6283	0.0350
C3_1	J4	J5	CONDUIT	16.1	3.5081	0.0200
C3_2	J5	J3	CONDUIT	19.9	3.5062	0.0200
C30	J36	J37	CONDUIT	61.8	1.2700	0.0350
C31	J37	J38	CONDUIT	119.3	8.2389	0.0350
C32	J38	J39	CONDUIT	37.5	3.8947	0.0300
C33	J171	J172	CONDUIT	8.9	3.2649	0.0130
C33_1	J40	J172	CONDUIT	67.9	2.1662	0.0130
C33_2	J172	J41	CONDUIT	80.0	4.1897	0.0130
C34	J41	J42	CONDUIT	65.0	0.1538	0.0130
C35	J42	J180	CONDUIT	151.0	2.0069	0.0130
C36	J43	J44	CONDUIT	113.2	4.1470	0.0130
C37	J183	J24	CONDUIT	133.6	11.0401	0.0130
C37_1	J44	J182	CONDUIT	19.0	5.0511	0.0130
C37_2	J182	J45	CONDUIT	21.4	5.0520	0.0240
C38	J46	J47	CONDUIT	28.9	0.6923	0.0130
C39	J47	J48	CONDUIT	26.0	3.0787	0.0130
C4	J9	J7	CONDUIT	36.6	0.7648	0.0200
C4_1	J7	J8	CONDUIT	23.2	1.2936	0.0350
C4_2	J8	J6	CONDUIT	132.2	6.5817	0.0350
C40	J48	J49	CONDUIT	39.2	2.6820	0.0130
C41	J50	J51	CONDUIT	130.2	4.8608	0.0130
C42	J51	J52	CONDUIT	181.9	4.7156	0.0130
C43	J53	J54	CONDUIT	41.8	3.8027	0.0130
C44	J54	J55	CONDUIT	73.5	6.5676	0.0130

C45	J55	J56	CONDUIT	126.2	11.7638	0.0240
C46	J132	J133	CONDUIT	152.3	5.3320	0.0130
C46_1	J58	J134	CONDUIT	39.1	7.5956	0.0400
C46_2	J134	J113	CONDUIT	73.5	5.2095	0.0230
C47	J56	J58	CONDUIT	119.5	4.0625	0.0240
C48	J59	J60	CONDUIT	196.9	6.5253	0.0130
C49	J61	J62	CONDUIT	29.3	2.7633	0.0130
C5	J10	J9	CONDUIT	26.5	12.8583	0.0350
C50	J62	J63	CONDUIT	114.5	5.1838	0.0130
C51	J63	J64	CONDUIT	147.2	6.1595	0.0350
C52	J64	J65	CONDUIT	33.3	0.7805	0.0130
C53	J66	J68	CONDUIT	15.7	10.1699	0.0130
C53_1	J65	J67	CONDUIT	109.9	3.7993	0.0350
C53_2	J67	J66	CONDUIT	92.4	3.7961	0.0350
C54	J68	J69	CONDUIT	70.7	0.8487	0.0130
C55	J69	J70	CONDUIT	104.7	2.6852	0.0130
C56	J70	J71	CONDUIT	97.7	3.8415	0.0240
C57	J72	J73	CONDUIT	217.5	3.1461	0.0130
C58	J74	J73	CONDUIT	45.0	4.6907	0.0130
C59	J75	J73	CONDUIT	42.1	6.2528	0.0130
C6	J11	J10	CONDUIT	160.9	12.1204	0.0350
C60	J76	J73	CONDUIT	48.8	6.5780	0.0130
C61	J77	J79	CONDUIT	84.9	2.6053	0.0240
C62	J79	J78	CONDUIT	46.0	9.9632	0.0240
C63	J78	J80	CONDUIT	152.5	4.4248	0.0240
C64	J81	J82	CONDUIT	31.2	3.0438	0.0130
C65	J83	J84	CONDUIT	28.1	6.0536	0.0130
C66	J84	J81	CONDUIT	30.8	8.4762	0.0130
C67	J85	J86	CONDUIT	102.1	1.0612	0.0240
C68	J86	J87	CONDUIT	19.8	3.8539	0.0240

C69	J87	J88	CONDUIT	14.5	5.2122	0.0240
C7	J12	J10	CONDUIT	166.7	10.1972	0.0350
C70	J88	J89	CONDUIT	54.5	7.5991	0.0240
C71	J89	J90	CONDUIT	19.1	6.6584	0.0240
C72	J152	J153	CONDUIT	17.1	5.8556	0.0130
C72_1	J90	J153	CONDUIT	23.7	3.9002	0.0130
C72_2	J153	J106	CONDUIT	70.7	3.3854	0.0130
C73	J104	J105	CONDUIT	40.8	1.9870	0.0130
C73_2	J106	J92	CONDUIT	42.7	2.3084	0.0130
C74	J92	J93	CONDUIT	11.1	4.7776	0.0240
C75	J93	J94	CONDUIT	37.4	4.3155	0.0240
C76	J94	J95	CONDUIT	10.8	3.8243	0.0240
C77	J95	J96	CONDUIT	16.5	0.7328	0.0200
C78	J96	J97	CONDUIT	159.8	5.3718	0.0240
C79	J98	J99	CONDUIT	15.5	3.5564	0.0130
C8	J14	J15	CONDUIT	61.9	0.6168	0.0300
C80	SU1	J11	CONDUIT	663.7	7.5091	0.0350
C80_2	J100	J12	CONDUIT	184.4	5.2484	0.0350
C80_3	J71	J167	CONDUIT	71.5	5.2489	0.0130
C80_4	J167	J100	CONDUIT	1151.0	5.2463	0.0130
C81	J99	SU1	CONDUIT	831.8	1.6689	0.0130
C82	J102	J103	CONDUIT	145.8	1.4950	0.0130
C82_1	J97	J101	CONDUIT	43.4	3.2716	0.0130
C82_2	J101	J98	CONDUIT	42.0	1.7879	0.0130
C83	J105	J106	CONDUIT	44.6	4.8218	0.0130
C85	J60	J57	CONDUIT	83.6	11.8461	0.0240
C85_1	J90	J92	CONDUIT	139.6	3.8680	0.0240
C86	J28	J148	CONDUIT	86.0	20.0892	0.0240
C87	J108	J111	CONDUIT	22.3	0.8965	0.0130
C88	J32	J33	CONDUIT	43.1	1.3473	0.0130

C89	J145	J146	CONDUIT	43.0	0.0023
0.0130					
C9	J15	J16	CONDUIT	11.2	13.6396
0.0300					
C90	J146	J101	CONDUIT	43.3	4.7851
0.0130					
C91	J143	J77	CONDUIT	110.6	4.9863
0.0300					
C92	J107	J98	CONDUIT	662.5	3.2246
0.0230					
C93	J113	J59	CONDUIT	29.0	9.4192
0.0130					
C94	J97	J98	CONDUIT	86.4	1.8863
0.0110					
C95	J60	J57	CONDUIT	79.7	8.3201
0.0130					
C96	J57	J61	CONDUIT	95.7	12.7355
0.0130					
C97	J114	J117	CONDUIT	179.8	5.1330
0.0350					
C97_1	J45	J117	CONDUIT	174.9	3.0135
0.0350					
C97_2	J117	J27	CONDUIT	358.8	2.9401
0.0350					
C98	J116	J115	CONDUIT	40.6	5.1553
0.0130					
C99	J115	J114	CONDUIT	16.5	4.9138
0.0130					
C11	J19	J20	WEIR		
C84	J103	J104	WEIR		

****
Cross Section Summary
****

Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
5	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	514.48
C1	XS1	9.99	238.32	6.06	30.55	1	7203.86
C10	XS11	6.36	52.31	2.72	10.60	1	657.98
C100	CIRCULAR	2.50	4.91	0.63	2.50	1	39.63
C101	XS28	8.97	139.40	0.70	29.94	1	1306.86
C102	CIRCULAR	2.50	4.91	0.63	2.50	1	54.03
C103	CIRCULAR	1.50	1.77	0.38	1.50	1	40.82
C104	CIRCULAR	2.00	3.14	0.50	2.00	1	21.13
C105	CIRCULAR	1.50	1.77	0.38	1.50	1	9.18

C106	CIRCULAR	1.50	1.77	0.38	1.50	1	9.45
C107	XS29	3.98	58.71	1.70	32.88	1	815.30
C108	CIRCULAR	2.00	3.14	0.50	2.00	1	64.64
C109	CIRCULAR	2.00	3.14	0.50	2.00	1	38.07
C110	CIRCULAR	1.50	1.77	0.38	1.50	1	30.48
C111	CIRCULAR	2.00	3.14	0.50	2.00	1	25.09
C112	CIRCULAR	2.00	3.14	0.50	2.00	1	65.50
C113	CIRCULAR	2.00	3.14	0.50	2.00	1	33.11
C114	CIRCULAR	2.00	3.14	0.50	2.00	1	62.40
C115	CIRCULAR	3.00	7.07	0.75	3.00	1	159.80
C116	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	402.08
C116_2	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1	206.06
C117	RECT_OPEN	1.00	27.00	0.93	27.00	1	222.36
C118	CIRCULAR	3.00	7.07	0.75	3.00	1	162.41
C119	CIRCULAR	3.50	9.62	0.88	3.50	1	332.13
C12	TRAPEZOIDAL	2.50	1275.00	2.45	520.00	1	1376.51
C120	CIRCULAR	3.50	9.62	0.88	3.50	1	143.66
C121	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	51.62
C122	RECT_OPEN	4.00	14.00	1.22	3.50	1	234.00
C122_1	ARCH	3.00	10.64	0.90	4.50	1	186.01
C122_2	ARCH	3.00	10.64	0.90	4.50	1	186.28
C123	CIRCULAR	2.50	4.91	0.63	2.50	1	83.15
C124	CIRCULAR	2.50	4.91	0.63	2.50	1	30.57
C125	CIRCULAR	2.50	4.91	0.63	2.50	1	60.56
C126	CIRCULAR	1.50	1.77	0.38	1.50	1	15.36
C127	CIRCULAR	1.00	0.79	0.25	1.00	1	8.34
C127_1	CIRCULAR	2.50	4.91	0.63	2.50	1	55.23
C127_2	CIRCULAR	2.50	4.91	0.63	2.50	1	110.35
C128	CIRCULAR	1.67	2.19	0.42	1.67	1	9.01
C128_1	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	194.16

C128_2	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1	628.29
C128_3	CIRCULAR	2.50	4.91	0.63	2.50	1	21.81
C128_4	CIRCULAR	2.00	3.14	0.50	2.00	1	27.74
C128_5	CIRCULAR	2.50	4.91	0.63	2.50	1	117.64
C128_7	CIRCULAR	2.50	4.91	0.63	2.50	1	93.99
C129	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	48.63
C13	RECT_CLOSED	4.30	33.54	1.39	7.80	1	581.49
C130	CIRCULAR	1.25	1.23	0.31	1.25	1	9.57
C130_1	TRAPEZOIDAL	1.00	24.00	0.85	28.00	1	105.69
C131	CIRCULAR	1.50	1.77	0.38	1.50	1	24.95
C132	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	166.42
C132_1	RECT_OPEN	1.00	5.00	0.71	5.00	1	82.97
C133	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	139.77
C134	RECT_OPEN	0.71	1.60	0.44	2.25	1	19.88
C135	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1	79.81
C136	RECT_OPEN	1.00	27.00	0.93	27.00	1	368.61
C137	CIRCULAR	1.25	1.23	0.31	1.25	1	13.54
C138	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	232.09
C139	CIRCULAR	2.50	4.91	0.63	2.50	1	43.42
C14	XS10	5.60	55.08	2.13	19.46	1	787.64
C140	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1	220.38
C141	TRAPEZOIDAL	2.00	36.00	1.36	26.00	1	17.11
C142	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1	190.07
C143	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1	22.30
C144	CIRCULAR	2.50	4.91	0.63	2.50	1	119.20
C145	CIRCULAR	0.67	0.35	0.17	0.67	1	0.48
C147	RECT_OPEN	2.50	7.50	0.94	3.00	1	52.87
C148	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	258.19
C149	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	436.10
C15	XS14	4.64	44.90	2.40	20.83	1	1050.32

C150	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
18.99						
C151	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1
408.83						
C152	CIRCULAR	1.00	0.79	0.25	1.00	1
9.06						
C153	RECT_OPEN	2.50	7.50	0.94	3.00	1
49.87						
C154	CIRCULAR	1.50	1.77	0.38	1.50	1
12.07						
C155	RECT_OPEN	2.50	7.50	0.94	3.00	1
31.95						
C156	TRAPEZOIDAL	1.00	16.00	0.90	17.00	1
339.89						
C157	CIRCULAR	1.00	0.79	0.25	1.00	1
9.27						
C158	CIRCULAR	2.50	4.91	0.63	2.50	1
45.64						
C159	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
2213.36						
C16	XS15	6.39	91.07	3.40	28.37	1
1263.79						
C160	RECT_OPEN	2.50	10.00	1.11	4.00	1
131.71						
C160_3	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
1361.93						
C161	CIRCULAR	1.50	1.77	0.38	1.50	1
12.20						
C162	CIRCULAR	2.50	4.91	0.63	2.50	1
122.30						
C163	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
83.21						
C164	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
13.87						
C165	CIRCULAR	1.00	0.79	0.25	1.00	1
6.20						
C166	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
847.70						
C167	CIRCULAR	1.00	0.79	0.25	1.00	1
2.46						
C168	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
115.93						
C169	CIRCULAR	1.50	1.77	0.38	1.50	1
20.22						
C169_2	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6354.63						
C169_3	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6751.74						
C169_4	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6746.76						
C17	XS16	5.78	75.72	1.54	34.13	1
948.95						
C170	CIRCULAR	1.50	1.77	0.38	1.50	1
21.98						
C170_4	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
101.98						
C170_6	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
83.15						
C171	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
52.42						

C172	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
63.25						
C173	ARCH	1.50	2.80	0.45	2.38	1
213.41						
C174	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
154.14						
C175	TRAPEZOIDAL	3.00	54.00	2.30	21.00	1
854.34						
C176	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
118.41						
C177	TRAPEZOIDAL	2.00	24.00	1.53	14.00	1
774.95						
C178	CIRCULAR	1.50	1.77	0.38	1.50	1
41.37						
C179	CIRCULAR	1.50	1.77	0.38	1.50	1
32.67						
C18	ARCH	4.00	31.52	1.20	10.00	1
263.22						
C180	CIRCULAR	1.50	1.77	0.38	1.50	1
20.62						
C181	CIRCULAR	3.00	7.07	0.75	3.00	1
50.69						
C182	CIRCULAR	0.67	0.35	0.17	0.67	1
1.41						
C183	CIRCULAR	1.25	1.23	0.31	1.25	1
13.08						
C184	CIRCULAR	1.50	1.77	0.38	1.50	1
23.18						
C185	CIRCULAR	1.00	0.79	0.25	1.00	1
3.43						
C186	CIRCULAR	1.50	1.77	0.38	1.50	1
13.15						
C187	CIRCULAR	1.00	0.79	0.25	1.00	1
3.41						
C188	CIRCULAR	1.25	1.23	0.31	1.25	1
10.27						
C19	XS17	8.40	188.17	4.94	35.59	1
2015.69						
C2	XS2	5.38	99.15	3.52	24.27	1
1918.56						
C20	XS18	11.03	217.69	6.41	34.67	1
4055.42						
C21	XS19	8.02	133.18	2.95	30.03	1
1868.33						
C22	XS20	5.24	77.90	2.23	23.90	1
1166.20						
C23	XS21	5.11	77.61	3.04	26.97	1
1547.01						
C24	CIRCULAR	2.00	3.14	0.50	2.00	1
96.81						
C25	CIRCULAR	2.50	4.91	0.63	2.50	1
79.67						
C26	XS22	3.53	48.41	1.64	28.19	1
453.10						
C27	CIRCULAR	2.50	4.91	0.63	2.50	1
53.90						
C28	CIRCULAR	2.50	4.91	0.63	2.50	1
76.97						
C29	CIRCULAR	3.50	9.62	0.88	3.50	1
197.42						

C29_1	CIRCULAR	2.50	4.91	0.63	2.50	1
83.90						
C29_2	CIRCULAR	3.50	9.62	0.88	3.50	1
205.79						
C3	XS3	4.55	95.83	3.21	25.34	1
2443.35						
C3_1	RECT_CLOSED	5.00	55.00	1.72	11.00	1
1098.24						
C3_2	RECT_CLOSED	6.00	66.00	1.94	11.00	1
1428.87						
C30	XS23	4.08	74.78	2.57	32.83	1
671.71						
C31	XS24	6.43	125.90	3.87	37.26	1
3779.07						
C32	RECT_CLOSED	4.00	40.00	1.43	10.00	1
495.98						
C33	CIRCULAR	1.50	1.77	0.38	1.50	1
18.98						
C33_1	CIRCULAR	2.50	4.91	0.63	2.50	1
60.37						
C33_2	CIRCULAR	3.00	7.07	0.75	3.00	1
136.52						
C34	CIRCULAR	3.00	7.07	0.75	3.00	1
26.15						
C35	CIRCULAR	3.00	7.07	0.75	3.00	1
94.49						
C36	CIRCULAR	3.00	7.07	0.75	3.00	1
135.83						
C37	CIRCULAR	1.25	1.23	0.31	1.25	1
21.46						
C37_1	CIRCULAR	3.00	7.07	0.75	3.00	1
149.90						
C37_2	CIRCULAR	3.00	7.07	0.75	3.00	1
81.20						
C38	CIRCULAR	3.00	7.07	0.75	3.00	1
55.50						
C39	CIRCULAR	2.50	4.91	0.63	2.50	1
71.97						
C4	CIRCULAR	11.00	95.03	2.75	11.00	1
1212.05						
C4_1	XS7	10.02	77.59	2.93	16.77	1
766.62						
C4_2	XS4	5.64	119.40	3.66	29.37	1
3090.82						
C40	CIRCULAR	2.50	4.91	0.63	2.50	1
67.17						
C41	CIRCULAR	3.00	7.07	0.75	3.00	1
147.05						
C42	CIRCULAR	3.00	7.07	0.75	3.00	1
144.84						
C43	CIRCULAR	1.50	1.77	0.38	1.50	1
20.48						
C44	CIRCULAR	2.00	3.14	0.50	2.00	1
57.98						
C45	CIRCULAR	2.00	3.14	0.50	2.00	1
42.03						
C46	CIRCULAR	3.50	9.62	0.88	3.50	1
232.32						
C46_1	TRAPEZOIDAL	1.00	5.00	0.73	6.00	1
41.59						

C46_2	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	57.41
C47	CIRCULAR	1.50	1.77	0.38	1.50	2	11.47
C48	CIRCULAR	1.67	2.19	0.42	1.67	1	35.73
C49	CIRCULAR	1.50	1.77	0.38	1.50	1	17.46
C5	XS5	7.55	124.26	4.38	21.74	1	5068.01
C50	CIRCULAR	1.50	1.77	0.38	1.50	1	23.92
C51	XS25	2.17	19.95	0.98	19.55	1	207.15
C52	CIRCULAR	3.00	7.07	0.75	3.00	1	58.93
C53	CIRCULAR	2.50	4.91	0.63	2.50	1	130.80
C53_1	XS26	3.96	28.25	1.90	11.38	1	358.74
C53_2	XS27	2.82	15.24	1.42	7.80	1	159.60
C54	ARCH	2.00	6.30	0.60	4.00	1	47.12
C55	CIRCULAR	2.50	4.91	0.63	2.50	1	67.21
C56	CIRCULAR	2.00	3.14	0.50	2.00	1	24.02
C57	CIRCULAR	2.50	4.91	0.63	2.50	1	72.75
C58	CIRCULAR	1.25	1.23	0.31	1.25	1	13.99
C59	CIRCULAR	1.25	1.23	0.31	1.25	1	16.15
C6	XS8	3.76	38.43	2.26	12.47	1	979.41
C60	CIRCULAR	1.25	1.23	0.31	1.25	1	16.57
C61	CIRCULAR	2.50	4.91	0.63	2.50	1	35.86
C62	CIRCULAR	2.50	4.91	0.63	2.50	1	70.13
C63	CIRCULAR	2.50	4.91	0.63	2.50	1	46.74
C64	CIRCULAR	1.67	2.19	0.42	1.67	1	24.40
C65	CIRCULAR	1.67	2.19	0.42	1.67	1	34.41
C66	CIRCULAR	1.67	2.19	0.42	1.67	1	40.72
C67	Trous1	3.23	26.17	1.80	9.45	1	247.10
C68	Trous2	3.54	28.38	1.99	8.61	1	545.43
C69	Trous3	3.40	37.44	2.20	12.94	1	896.26
C7	XS9	3.75	85.07	2.47	33.46	1	2105.63
C70	Trous3	3.40	37.44	2.20	12.94	1	1082.18

C71	Trous4-5	4.71	28.45	2.04	7.89	1
730.46						
C72	CIRCULAR	1.25	1.23	0.31	1.25	1
15.63						
C72_1	CIRCULAR	3.50	9.62	0.88	3.50	1
198.69						
C72_2	CIRCULAR	3.50	9.62	0.88	3.50	1
185.12						
C73	ARCH	1.00	1.32	0.30	1.67	1
9.48						
C73_2	CIRCULAR	3.50	9.62	0.88	3.50	1
152.86						
C74	Trous6	4.31	18.52	1.70	4.86	1
357.06						
C75	Trous7	4.47	21.79	1.76	6.63	1
408.41						
C76	Trous8	4.61	21.15	1.48	7.05	1
331.89						
C77	RECT_CLOSED	2.50	10.00	0.77	4.00	1
53.40						
C78	Trous10	3.75	22.25	1.42	10.55	1
403.94						
C79	CIRCULAR	3.50	9.62	0.88	3.50	1
189.73						
C8	RECT_CLOSED	4.50	45.00	1.55	10.00	1
234.63						
C80	XS8	3.76	38.43	2.26	12.47	1
770.90						
C80_2	XS9	3.75	85.07	2.47	33.46	1
1510.62						
C80_3	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1
2343.69						
C80_4	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1
2343.11						
C81	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1
1321.52						
C82	CIRCULAR	1.00	0.79	0.25	1.00	1
4.36						
C82_1	CIRCULAR	3.50	9.62	0.88	3.50	1
181.98						
C82_2	CIRCULAR	3.50	9.62	0.88	3.50	1
134.53						
C83	ARCH	1.00	1.32	0.30	1.67	1
14.77						
C85	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
211.58						
C85_1	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
3016.20						
C86	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
275.52						
C87	CIRCULAR	1.25	1.23	0.31	1.25	1
6.12						
C88	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
263.55						
C89	CIRCULAR	1.25	1.23	0.31	1.25	1
0.31						
C9	XS11	6.36	52.31	2.72	10.60	1
1863.70						
C90	CIRCULAR	1.25	1.23	0.31	1.25	1
14.13						

C91	RECT_OPEN	3.80	16.72	1.39	4.40	1	230.71
C92	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	45.17
C93	CIRCULAR	1.67	2.19	0.42	1.67	1	42.92
C94	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1	4595.61
C95	CIRCULAR	1.50	1.77	0.38	1.50	1	30.30
C96	CIRCULAR	1.50	1.77	0.38	1.50	1	37.49
C97	XS28	8.97	139.40	0.70	29.94	1	1061.84
C97_1	XS28	8.97	139.40	0.70	29.94	1	813.59
C97_2	XS28	8.97	139.40	0.70	29.94	1	803.62
C98	CIRCULAR	1.50	1.77	0.38	1.50	1	23.85
C99	CIRCULAR	1.50	1.77	0.38	1.50	1	23.29

****
Transect Summary
****

Transect Spillway
Area:

0.0014	0.0045	0.0085	0.0135	0.0195	
0.0265	0.0345	0.0434	0.0534	0.0643	
0.0762	0.0890	0.1029	0.1177	0.1335	
0.1503	0.1681	0.1869	0.2067	0.2274	
0.2491	0.2718	0.2955	0.3201	0.3457	
0.3716	0.3975	0.4235	0.4494	0.4754	
0.5014	0.5275	0.5536	0.5797	0.6058	
0.6319	0.6581	0.6843	0.7105	0.7368	
0.7630	0.7893	0.8156	0.8420	0.8683	
0.8946	0.9209	0.9473	0.9736	1.0000	

Hrad:

0.0163	0.0366	0.0544	0.0709	0.0868
0.1023	0.1175	0.1325	0.1474	0.1623
0.1770	0.1917	0.2064	0.2210	0.2356
0.2502	0.2647	0.2792	0.2937	0.3082
0.3227	0.3372	0.3517	0.3661	0.3841
0.4110	0.4377	0.4642	0.4905	0.5166
0.5425	0.5682	0.5937	0.6190	0.6441
0.6691	0.6938	0.7184	0.7428	0.7670
0.7911	0.8150	0.8387	0.8623	0.8857
0.9089	0.9319	0.9548	0.9775	1.0000

Width:

0.0971	0.1343	0.1716	0.2088	0.2461
0.2833	0.3206	0.3578	0.3951	0.4324
0.4696	0.5069	0.5441	0.5814	0.6186
0.6559	0.6931	0.7304	0.7676	0.8049
0.8421	0.8794	0.9166	0.9539	0.9812

```
            0.9822     0.9832     0.9842     0.9852     0.9862
            0.9872     0.9882     0.9892     0.9901     0.9911
            0.9921     0.9931     0.9941     0.9951     0.9961
            0.9970     0.9973     0.9976     0.9980     0.9983
            0.9987     0.9990     0.9993     0.9997     1.0000

Transect Street1
Area:
            0.0004     0.0017     0.0037     0.0066     0.0103
            0.0149     0.0202     0.0264     0.0335     0.0413
            0.0500     0.0595     0.0698     0.0810     0.0930
            0.1058     0.1194     0.1339     0.1492     0.1653
            0.1822     0.2000     0.2186     0.2380     0.2582
            0.2793     0.3012     0.3239     0.3475     0.3719
            0.3971     0.4231     0.4499     0.4776     0.5061
            0.5355     0.5656     0.5965     0.6275     0.6585
            0.6895     0.7207     0.7527     0.7856     0.8192
            0.8537     0.8891     0.9252     0.9622     1.0000
Hrad:
            0.0167     0.0333     0.0500     0.0667     0.0833
            0.1000     0.1167     0.1333     0.1500     0.1667
            0.1833     0.2000     0.2167     0.2333     0.2500
            0.2667     0.2833     0.3000     0.3167     0.3333
            0.3500     0.3667     0.3833     0.4000     0.4167
            0.4333     0.4500     0.4667     0.4833     0.5000
            0.5167     0.5333     0.5500     0.5667     0.5833
            0.6000     0.6167     0.6415     0.6745     0.7074
            0.7403     0.7731     0.8049     0.8355     0.8651
            0.8938     0.9216     0.9485     0.9746     1.0000
Width:
            0.0216     0.0432     0.0649     0.0865     0.1081
            0.1297     0.1514     0.1730     0.1946     0.2162
            0.2378     0.2595     0.2811     0.3027     0.3243
            0.3459     0.3676     0.3892     0.4108     0.4324
            0.4541     0.4757     0.4973     0.5189     0.5405
            0.5622     0.5838     0.6054     0.6270     0.6486
            0.6703     0.6919     0.7135     0.7351     0.7568
            0.7784     0.8000     0.8108     0.8108     0.8108
            0.8108     0.8270     0.8486     0.8703     0.8919
            0.9135     0.9351     0.9568     0.9784     1.0000

Transect Street1-ValleyGutters
Area:
            0.0002     0.0007     0.0015     0.0026     0.0041
            0.0059     0.0081     0.0105     0.0133     0.0165
            0.0199     0.0237     0.0278     0.0323     0.0371
            0.0422     0.0476     0.0534     0.0594     0.0659
            0.0726     0.0799     0.0890     0.0998     0.1124
            0.1269     0.1432     0.1613     0.1812     0.2029
            0.2265     0.2518     0.2790     0.3080     0.3389
            0.3715     0.4060     0.4423     0.4804     0.5203
            0.5620     0.6056     0.6510     0.6970     0.7430
            0.7901     0.8394     0.8908     0.9443     1.0000
Hrad:
            0.0242     0.0484     0.0726     0.0968     0.1210
            0.1452     0.1694     0.1936     0.2178     0.2420
            0.2661     0.2903     0.3145     0.3387     0.3629
```

```
            0.3871     0.4113     0.4355     0.4597     0.4839
            0.5081     0.4784     0.4353     0.4131     0.4033
            0.4016     0.4053     0.4131     0.4237     0.4365
            0.4511     0.4670     0.4840     0.5020     0.5206
            0.5399     0.5597     0.5800     0.6006     0.6216
            0.6429     0.6645     0.6900     0.7381     0.7861
            0.8333     0.8779     0.9203     0.9609     1.0000
Width:
            0.0058     0.0116     0.0174     0.0232     0.0290
            0.0348     0.0406     0.0464     0.0522     0.0580
            0.0638     0.0696     0.0754     0.0812     0.0870
            0.0928     0.0986     0.1044     0.1102     0.1160
            0.1218     0.1426     0.1747     0.2067     0.2387
            0.2708     0.3028     0.3348     0.3669     0.3989
            0.4310     0.4630     0.4950     0.5271     0.5591
            0.5911     0.6232     0.6552     0.6872     0.7193
            0.7513     0.7834     0.8108     0.8108     0.8108
            0.8486     0.8865     0.9243     0.9622     1.0000

Transect Trous1
Area:
            0.0164     0.0352     0.0541     0.0730     0.0920
            0.1110     0.1300     0.1492     0.1683     0.1876
            0.2069     0.2262     0.2456     0.2650     0.2845
            0.3041     0.3237     0.3434     0.3631     0.3828
            0.4027     0.4225     0.4425     0.4624     0.4825
            0.5026     0.5227     0.5429     0.5632     0.5835
            0.6038     0.6242     0.6447     0.6652     0.6858
            0.7064     0.7271     0.7478     0.7686     0.7894
            0.8103     0.8313     0.8523     0.8733     0.8943
            0.9154     0.9365     0.9576     0.9787     1.0000
Hrad:
            0.0309     0.0651     0.0983     0.1305     0.1618
            0.1922     0.2217     0.2504     0.2784     0.3056
            0.3321     0.3580     0.3832     0.4078     0.4317
            0.4552     0.4780     0.5004     0.5222     0.5436
            0.5644     0.5849     0.6049     0.6245     0.6437
            0.6625     0.6809     0.6989     0.7167     0.7340
            0.7511     0.7678     0.7843     0.8004     0.8163
            0.8319     0.8472     0.8622     0.8770     0.8916
            0.9059     0.9206     0.9392     0.9575     0.9758
            0.9938     1.0118     1.0295     1.0472     1.0000
Width:
            0.8047     0.8070     0.8093     0.8116     0.8139
            0.8162     0.8185     0.8208     0.8231     0.8254
            0.8277     0.8300     0.8323     0.8346     0.8369
            0.8392     0.8415     0.8438     0.8461     0.8484
            0.8507     0.8530     0.8553     0.8576     0.8599
            0.8622     0.8645     0.8668     0.8691     0.8714
            0.8737     0.8760     0.8783     0.8806     0.8829
            0.8852     0.8875     0.8898     0.8921     0.8944
            0.8966     0.8988     0.8999     0.9010     0.9021
            0.9032     0.9043     0.9054     0.9066     1.0000

Transect Trous10
Area:
            0.0105     0.0234     0.0364     0.0495     0.0626
```

0.0758 0.0891 0.1025 0.1159 0.1294
0.1430 0.1567 0.1704 0.1842 0.1981
0.2121 0.2261 0.2402 0.2544 0.2687
0.2830 0.2974 0.3119 0.3264 0.3411
0.3558 0.3706 0.3863 0.4052 0.4254
0.4467 0.4692 0.4928 0.5177 0.5438
0.5711 0.5995 0.6292 0.6597 0.6903
0.7209 0.7516 0.7822 0.8129 0.8437
0.8745 0.9055 0.9366 0.9678 1.0000
Hrad:
0.0418 0.0895 0.1341 0.1759 0.2151
0.2521 0.2869 0.3199 0.3512 0.3809
0.4091 0.4360 0.4617 0.4863 0.5099
0.5324 0.5541 0.5750 0.5950 0.6144
0.6331 0.6511 0.6686 0.6855 0.7018
0.7177 0.7331 0.6667 0.6676 0.6703
0.6746 0.6802 0.6871 0.6951 0.7041
0.7139 0.7245 0.7358 0.7619 0.7928
0.8234 0.8537 0.8836 0.9133 0.9427
0.9717 1.0002 1.0284 1.0562 1.0000
Width:
0.3622 0.3643 0.3664 0.3685 0.3706
0.3727 0.3748 0.3769 0.3790 0.3811
0.3832 0.3853 0.3874 0.3895 0.3916
0.3937 0.3958 0.3979 0.4000 0.4021
0.4042 0.4063 0.4084 0.4106 0.4127
0.4148 0.4169 0.5153 0.5489 0.5824
0.6160 0.6495 0.6831 0.7167 0.7502
0.7838 0.8173 0.8509 0.8603 0.8611
0.8618 0.8626 0.8634 0.8642 0.8662
0.8695 0.8728 0.8761 0.8794 1.0000

Transect Trous2
Area:
0.0100 0.0288 0.0477 0.0667 0.0857
0.1047 0.1238 0.1430 0.1622 0.1815
0.2008 0.2202 0.2397 0.2592 0.2788
0.2984 0.3181 0.3379 0.3577 0.3775
0.3975 0.4174 0.4375 0.4576 0.4777
0.4980 0.5182 0.5386 0.5589 0.5794
0.5999 0.6204 0.6411 0.6617 0.6825
0.7033 0.7241 0.7450 0.7660 0.7870
0.8081 0.8292 0.8504 0.8717 0.8930
0.9143 0.9357 0.9571 0.9785 1.0000
Hrad:
0.0187 0.0529 0.0860 0.1180 0.1489
0.1789 0.2080 0.2362 0.2635 0.2901
0.3159 0.3410 0.3655 0.3892 0.4124
0.4349 0.4569 0.4783 0.4992 0.5197
0.5396 0.5590 0.5781 0.5967 0.6149
0.6327 0.6501 0.6671 0.6838 0.7002
0.7163 0.7320 0.7474 0.7625 0.7774
0.7920 0.8063 0.8204 0.8342 0.8478
0.8611 0.8742 0.8871 0.8999 0.9162
0.9332 0.9501 0.9669 0.9835 1.0000
Width:
0.8751 0.8778 0.8805 0.8832 0.8859

0.8886 0.8913 0.8940 0.8967 0.8994
0.9021 0.9048 0.9075 0.9102 0.9129
0.9156 0.9183 0.9210 0.9237 0.9264
0.9291 0.9318 0.9345 0.9372 0.9399
0.9426 0.9453 0.9480 0.9507 0.9534
0.9561 0.9588 0.9615 0.9642 0.9669
0.9696 0.9723 0.9750 0.9777 0.9804
0.9831 0.9858 0.9886 0.9913 0.9929
0.9943 0.9957 0.9972 0.9986 1.0000

Transect Trous3
Area:
0.0013 0.0050 0.0113 0.0202 0.0315
0.0454 0.0617 0.0792 0.0973 0.1160
0.1353 0.1552 0.1756 0.1966 0.2176
0.2387 0.2599 0.2812 0.3025 0.3239
0.3454 0.3670 0.3886 0.4103 0.4321
0.4539 0.4758 0.4978 0.5199 0.5420
0.5643 0.5865 0.6089 0.6313 0.6538
0.6764 0.6991 0.7218 0.7446 0.7675
0.7904 0.8134 0.8365 0.8597 0.8829
0.9062 0.9296 0.9530 0.9765 1.0000
Hrad:
0.0153 0.0306 0.0458 0.0611 0.0764
0.0917 0.1094 0.1351 0.1598 0.1837
0.2068 0.2293 0.2512 0.2760 0.3019
0.3274 0.3524 0.3770 0.4011 0.4247
0.4479 0.4708 0.4932 0.5152 0.5369
0.5582 0.5792 0.5999 0.6202 0.6402
0.6598 0.6792 0.6983 0.7171 0.7357
0.7540 0.7720 0.7898 0.8073 0.8246
0.8416 0.8584 0.8751 0.8915 0.9076
0.9236 0.9416 0.9612 0.9807 1.0000
Width:
0.1071 0.2143 0.3214 0.4286 0.5357
0.6429 0.7313 0.7564 0.7816 0.8067
0.8319 0.8570 0.8822 0.8927 0.8958
0.8989 0.9020 0.9051 0.9082 0.9113
0.9144 0.9175 0.9206 0.9238 0.9269
0.9300 0.9331 0.9362 0.9393 0.9424
0.9455 0.9486 0.9517 0.9548 0.9579
0.9610 0.9641 0.9672 0.9703 0.9734
0.9765 0.9796 0.9827 0.9858 0.9890
0.9921 0.9944 0.9963 0.9981 1.0000

Transect Trous4
Area:
0.0106 0.0218 0.0334 0.0454 0.0577
0.0705 0.0836 0.0971 0.1110 0.1252
0.1399 0.1549 0.1703 0.1861 0.2023
0.2188 0.2358 0.2531 0.2708 0.2889
0.3073 0.3261 0.3454 0.3650 0.3850
0.4053 0.4261 0.4472 0.4687 0.4906
0.5128 0.5355 0.5585 0.5819 0.6057
0.6299 0.6545 0.6794 0.7047 0.7304
0.7565 0.7829 0.8094 0.8362 0.8630
0.8901 0.9173 0.9447 0.9723 1.0000

Hrad:

0.0401	0.0779	0.1132	0.1461	0.1772
0.2066	0.2345	0.2611	0.2866	0.3112
0.3348	0.3576	0.3798	0.4013	0.4222
0.4425	0.4625	0.4819	0.5010	0.5197
0.5381	0.5561	0.5739	0.5914	0.6087
0.6257	0.6425	0.6592	0.6756	0.6919
0.7080	0.7239	0.7397	0.7554	0.7709
0.7864	0.8017	0.8169	0.8320	0.8470
0.8619	0.8782	0.8944	0.9103	0.9259
0.9412	0.9562	0.9711	0.9856	1.0000

Width:

0.3964	0.4101	0.4238	0.4375	0.4512
0.4649	0.4786	0.4923	0.5060	0.5197
0.5334	0.5471	0.5609	0.5746	0.5883
0.6020	0.6157	0.6294	0.6431	0.6568
0.6705	0.6842	0.6979	0.7116	0.7254
0.7391	0.7528	0.7665	0.7802	0.7939
0.8076	0.8213	0.8350	0.8487	0.8624
0.8761	0.8899	0.9036	0.9173	0.9310
0.9447	0.9517	0.9577	0.9637	0.9698
0.9758	0.9819	0.9879	0.9940	1.0000

Transect Trous4-5

Area:

0.0102	0.0213	0.0331	0.0456	0.0588
0.0725	0.0867	0.1015	0.1169	0.1327
0.1488	0.1653	0.1820	0.1990	0.2163
0.2339	0.2519	0.2701	0.2886	0.3074
0.3265	0.3459	0.3656	0.3856	0.4060
0.4266	0.4475	0.4687	0.4902	0.5120
0.5341	0.5565	0.5792	0.6022	0.6256
0.6492	0.6731	0.6973	0.7217	0.7463
0.7710	0.7959	0.8209	0.8460	0.8713
0.8968	0.9224	0.9481	0.9740	1.0000

Hrad:

0.0428	0.0822	0.1183	0.1519	0.1843
0.2148	0.2436	0.2710	0.2973	0.3248
0.3513	0.3767	0.4011	0.4245	0.4471
0.4690	0.4902	0.5107	0.5306	0.5500
0.5689	0.5874	0.6054	0.6230	0.6403
0.6573	0.6739	0.6902	0.7063	0.7221
0.7376	0.7529	0.7681	0.7830	0.7977
0.8122	0.8266	0.8408	0.8556	0.8700
0.8842	0.8981	0.9117	0.9250	0.9381
0.9509	0.9635	0.9759	0.9880	1.0000

Width:

0.4105	0.4385	0.4665	0.4937	0.5148
0.5360	0.5572	0.5784	0.5996	0.6121
0.6235	0.6350	0.6465	0.6580	0.6695
0.6809	0.6924	0.7039	0.7154	0.7269
0.7383	0.7498	0.7613	0.7728	0.7843
0.7957	0.8072	0.8187	0.8302	0.8417
0.8531	0.8646	0.8761	0.8876	0.8990
0.9105	0.9220	0.9335	0.9393	0.9449
0.9504	0.9559	0.9614	0.9669	0.9724
0.9779	0.9835	0.9890	0.9945	1.0000

Transect Trous5

Area:

0.0140	0.0285	0.0432	0.0582	0.0734
0.0889	0.1046	0.1205	0.1368	0.1532
0.1699	0.1868	0.2040	0.2215	0.2392
0.2571	0.2753	0.2937	0.3124	0.3313
0.3504	0.3699	0.3895	0.4094	0.4296
0.4500	0.4706	0.4915	0.5126	0.5340
0.5556	0.5775	0.5996	0.6220	0.6446
0.6674	0.6904	0.7134	0.7366	0.7599
0.7834	0.8070	0.8306	0.8545	0.8784
0.9025	0.9267	0.9510	0.9754	1.0000

Hrad:

0.0512	0.0988	0.1424	0.1828	0.2202
0.2552	0.2880	0.3188	0.3480	0.3755
0.4018	0.4268	0.4507	0.4736	0.4956
0.5168	0.5372	0.5569	0.5760	0.5945
0.6125	0.6300	0.6470	0.6636	0.6798
0.6957	0.7112	0.7264	0.7412	0.7558
0.7702	0.7843	0.7981	0.8118	0.8252
0.8387	0.8519	0.8648	0.8774	0.8897
0.9018	0.9136	0.9251	0.9364	0.9475
0.9584	0.9691	0.9796	0.9899	1.0000

Width:

0.5828	0.5928	0.6028	0.6128	0.6229
0.6329	0.6429	0.6529	0.6629	0.6729
0.6829	0.6929	0.7029	0.7129	0.7229
0.7329	0.7430	0.7530	0.7630	0.7730
0.7830	0.7930	0.8030	0.8130	0.8230
0.8330	0.8430	0.8530	0.8631	0.8731
0.8831	0.8931	0.9031	0.9131	0.9231
0.9288	0.9339	0.9389	0.9440	0.9491
0.9542	0.9593	0.9644	0.9695	0.9746
0.9796	0.9847	0.9898	0.9949	1.0000

Transect Trous6

Area:

0.0118	0.0283	0.0451	0.0620	0.0790
0.0962	0.1136	0.1312	0.1489	0.1667
0.1848	0.2030	0.2213	0.2398	0.2585
0.2774	0.2964	0.3155	0.3349	0.3544
0.3740	0.3938	0.4138	0.4340	0.4543
0.4748	0.4954	0.5162	0.5371	0.5583
0.5795	0.6010	0.6226	0.6444	0.6662
0.6881	0.7101	0.7321	0.7542	0.7763
0.7984	0.8206	0.8429	0.8652	0.8875
0.9099	0.9324	0.9549	0.9774	1.0000

Hrad:

0.0350	0.0804	0.1222	0.1609	0.1969
0.2305	0.2619	0.2914	0.3192	0.3455
0.3704	0.3940	0.4165	0.4380	0.4585
0.4781	0.4969	0.5150	0.5325	0.5493
0.5655	0.5812	0.5964	0.6111	0.6253
0.6392	0.6527	0.6659	0.6787	0.6912
0.7033	0.7153	0.7269	0.7389	0.7571
0.7749	0.7925	0.8098	0.8269	0.8438

0.8604 0.8767 0.8929 0.9088 0.9245
0.9400 0.9553 0.9704 0.9853 1.0000
Width:
0.7292 0.7364 0.7435 0.7507 0.7579
0.7651 0.7723 0.7795 0.7867 0.7939
0.8011 0.8082 0.8154 0.8226 0.8298
0.8370 0.8442 0.8514 0.8586 0.8658
0.8730 0.8801 0.8873 0.8945 0.9017
0.9089 0.9161 0.9233 0.9305 0.9377
0.9449 0.9520 0.9592 0.9660 0.9681
0.9702 0.9724 0.9745 0.9766 0.9787
0.9809 0.9830 0.9851 0.9872 0.9894
0.9915 0.9936 0.9957 0.9979 1.0000

Transect Trous7
Area:
0.0061 0.0199 0.0341 0.0484 0.0629
0.0775 0.0924 0.1074 0.1226 0.1379
0.1534 0.1691 0.1850 0.2010 0.2172
0.2336 0.2501 0.2668 0.2837 0.3008
0.3180 0.3354 0.3530 0.3708 0.3887
0.4068 0.4250 0.4435 0.4621 0.4809
0.5003 0.5246 0.5503 0.5761 0.6020
0.6279 0.6539 0.6800 0.7062 0.7325
0.7589 0.7853 0.8119 0.8385 0.8652
0.8920 0.9189 0.9458 0.9729 1.0000
Hrad:
0.0247 0.0677 0.1102 0.1493 0.1854
0.2191 0.2504 0.2798 0.3074 0.3335
0.3581 0.3815 0.4037 0.4249 0.4452
0.4646 0.4832 0.5011 0.5183 0.5350
0.5510 0.5666 0.5817 0.5963 0.6105
0.6243 0.6378 0.6509 0.6637 0.6763
0.6876 0.6057 0.6299 0.6539 0.6775
0.7008 0.7239 0.7467 0.7691 0.7914
0.8133 0.8350 0.8564 0.8776 0.8986
0.9193 0.9398 0.9601 0.9802 1.0000
Width:
0.4484 0.5174 0.5237 0.5300 0.5363
0.5427 0.5490 0.5553 0.5616 0.5679
0.5743 0.5806 0.5869 0.5932 0.5995
0.6059 0.6122 0.6185 0.6248 0.6311
0.6375 0.6438 0.6501 0.6564 0.6627
0.6691 0.6754 0.6817 0.6880 0.6943
0.7926 0.9439 0.9470 0.9501 0.9533
0.9564 0.9595 0.9626 0.9657 0.9688
0.9720 0.9751 0.9782 0.9813 0.9844
0.9875 0.9907 0.9938 0.9969 1.0000

Transect Trous8
Area:
0.0033 0.0131 0.0288 0.0454 0.0621
0.0789 0.0957 0.1127 0.1298 0.1469
0.1642 0.1815 0.1989 0.2164 0.2341
0.2518 0.2696 0.2875 0.3054 0.3235
0.3417 0.3599 0.3783 0.3967 0.4153
0.4339 0.4526 0.4714 0.4903 0.5093

0.5287 0.5528 0.5770 0.6014 0.6257
0.6502 0.6746 0.6992 0.7237 0.7483
0.7730 0.7977 0.8225 0.8473 0.8722
0.8972 0.9223 0.9476 0.9730 1.0000
Hrad:
0.0295 0.0590 0.1005 0.1516 0.1987
0.2424 0.2829 0.3208 0.3562 0.3893
0.4206 0.4500 0.4778 0.5042 0.5292
0.5530 0.5756 0.5973 0.6179 0.6377
0.6567 0.6750 0.6925 0.7094 0.7256
0.7414 0.7565 0.7712 0.7855 0.7992
0.8119 0.7478 0.7738 0.7994 0.8247
0.8496 0.8742 0.8984 0.9222 0.9458
0.9690 0.9919 1.0145 1.0368 1.0588
1.0804 1.1016 1.1223 1.1426 1.0000
Width:
0.2136 0.4271 0.5388 0.5418 0.5448
0.5478 0.5508 0.5538 0.5568 0.5598
0.5628 0.5658 0.5688 0.5717 0.5747
0.5777 0.5807 0.5837 0.5867 0.5897
0.5927 0.5957 0.5987 0.6017 0.6047
0.6077 0.6107 0.6137 0.6166 0.6196
0.7171 0.7893 0.7909 0.7925 0.7941
0.7957 0.7973 0.7989 0.8005 0.8021
0.8037 0.8053 0.8069 0.8085 0.8101
0.8152 0.8203 0.8254 0.8305 1.0000

Transect XS1
Area:
0.0031 0.0099 0.0193 0.0310 0.0452
0.0613 0.0778 0.0944 0.1114 0.1285
0.1459 0.1635 0.1814 0.1995 0.2178
0.2363 0.2551 0.2741 0.2934 0.3129
0.3326 0.3525 0.3727 0.3931 0.4137
0.4346 0.4557 0.4770 0.4986 0.5204
0.5424 0.5647 0.5872 0.6099 0.6329
0.6561 0.6795 0.7032 0.7271 0.7512
0.7754 0.7998 0.8243 0.8489 0.8738
0.8987 0.9238 0.9491 0.9745 1.0000
Hrad:
0.0178 0.0399 0.0590 0.0769 0.0942
0.1195 0.1480 0.1756 0.2023 0.2283
0.2536 0.2782 0.3021 0.3254 0.3482
0.3705 0.3922 0.4135 0.4343 0.4548
0.4748 0.4944 0.5137 0.5327 0.5513
0.5696 0.5876 0.6054 0.6229 0.6401
0.6571 0.6739 0.6904 0.7067 0.7229
0.7388 0.7546 0.7701 0.7856 0.8057
0.8257 0.8455 0.8653 0.8849 0.9043
0.9237 0.9430 0.9621 0.9811 1.0000
Width:
0.2207 0.3159 0.4110 0.5062 0.6014
0.6380 0.6471 0.6562 0.6652 0.6743
0.6834 0.6925 0.7015 0.7106 0.7197
0.7287 0.7378 0.7469 0.7559 0.7650
0.7741 0.7831 0.7922 0.8013 0.8104
0.8194 0.8285 0.8376 0.8466 0.8557

0.8648 0.8738 0.8829 0.8920 0.9011
0.9101 0.9192 0.9283 0.9373 0.9430
0.9487 0.9544 0.9601 0.9658 0.9715
0.9772 0.9829 0.9886 0.9943 1.0000

Transect XS10
Area:
0.0112 0.0249 0.0387 0.0526 0.0667
0.0809 0.0953 0.1097 0.1244 0.1392
0.1541 0.1691 0.1843 0.1997 0.2152
0.2308 0.2466 0.2625 0.2785 0.2947
0.3110 0.3275 0.3441 0.3609 0.3778
0.3948 0.4120 0.4293 0.4468 0.4644
0.4821 0.5000 0.5193 0.5440 0.5695
0.5951 0.6207 0.6464 0.6722 0.6981
0.7241 0.7502 0.7763 0.8025 0.8299
0.8595 0.8913 0.9253 0.9616 1.0000
Hrad:
0.0424 0.0908 0.1365 0.1799 0.2212
0.2604 0.2979 0.3337 0.3680 0.4009
0.4325 0.4630 0.4923 0.5206 0.5479
0.5744 0.6000 0.6248 0.6489 0.6724
0.6952 0.7174 0.7390 0.7601 0.7807
0.8008 0.8204 0.8397 0.8585 0.8769
0.8950 0.9128 0.8158 0.7789 0.8100
0.8408 0.8713 0.9016 0.9316 0.9613
0.9907 1.0199 1.0489 1.0769 1.0536
1.0354 1.0214 1.0112 1.0042 1.0000
Width:
0.3435 0.3471 0.3506 0.3542 0.3578
0.3613 0.3649 0.3684 0.3720 0.3756
0.3791 0.3827 0.3863 0.3898 0.3934
0.3970 0.4005 0.4041 0.4077 0.4112
0.4148 0.4184 0.4219 0.4255 0.4291
0.4326 0.4362 0.4398 0.4433 0.4469
0.4505 0.4540 0.5655 0.6434 0.6454
0.6475 0.6496 0.6517 0.6538 0.6559
0.6579 0.6600 0.6621 0.6649 0.7207
0.7766 0.8324 0.8883 0.9441 1.0000

Transect XS11
Area:
0.0103 0.0224 0.0348 0.0476 0.0608
0.0744 0.0883 0.1025 0.1172 0.1322
0.1475 0.1632 0.1793 0.1957 0.2125
0.2297 0.2472 0.2651 0.2833 0.3019
0.3209 0.3403 0.3599 0.3800 0.4004
0.4212 0.4423 0.4638 0.4857 0.5079
0.5305 0.5535 0.5768 0.6005 0.6245
0.6488 0.6733 0.6978 0.7224 0.7472
0.7720 0.7969 0.8220 0.8471 0.8723
0.8977 0.9231 0.9486 0.9743 1.0000
Hrad:
0.0392 0.0805 0.1186 0.1540 0.1872
0.2183 0.2477 0.2756 0.3022 0.3276
0.3520 0.3755 0.3981 0.4200 0.4412
0.4618 0.4818 0.5013 0.5204 0.5391

0.5573 0.5752 0.5928 0.6101 0.6271
0.6438 0.6603 0.6766 0.6927 0.7085
0.7242 0.7397 0.7550 0.7702 0.7853
0.8016 0.8180 0.8340 0.8496 0.8649
0.8798 0.8943 0.9085 0.9224 0.9360
0.9494 0.9624 0.9752 0.9877 1.0000
Width:
0.4621 0.4761 0.4902 0.5042 0.5183
0.5323 0.5463 0.5604 0.5744 0.5884
0.6025 0.6165 0.6306 0.6446 0.6586
0.6727 0.6867 0.7008 0.7148 0.7288
0.7429 0.7569 0.7709 0.7850 0.7990
0.8131 0.8271 0.8411 0.8552 0.8692
0.8832 0.8973 0.9113 0.9254 0.9394
0.9460 0.9499 0.9537 0.9576 0.9614
0.9653 0.9691 0.9730 0.9769 0.9807
0.9846 0.9884 0.9923 0.9961 1.0000

Transect XS13
Area:
0.0017 0.0067 0.0151 0.0269 0.0418
0.0579 0.0741 0.0905 0.1071 0.1239
0.1409 0.1580 0.1754 0.1930 0.2108
0.2288 0.2469 0.2653 0.2838 0.3026
0.3215 0.3407 0.3600 0.3796 0.3993
0.4192 0.4394 0.4597 0.4802 0.5009
0.5218 0.5429 0.5642 0.5857 0.6074
0.6293 0.6514 0.6737 0.6961 0.7188
0.7417 0.7647 0.7880 0.8115 0.8351
0.8591 0.8865 0.9203 0.9586 1.0000
Hrad:
0.0261 0.0523 0.0784 0.1045 0.1369
0.1843 0.2299 0.2738 0.3161 0.3571
0.3966 0.4349 0.4721 0.5081 0.5432
0.5772 0.6104 0.6427 0.6742 0.7050
0.7350 0.7644 0.7932 0.8213 0.8489
0.8759 0.9025 0.9285 0.9541 0.9792
1.0039 1.0283 1.0522 1.0758 1.0990
1.1219 1.1445 1.1667 1.1887 1.2104
1.2318 1.2530 1.2739 1.2946 1.3151
1.2909 1.1643 1.0434 1.0187 1.0000
Width:
0.0781 0.1561 0.2342 0.3123 0.3700
0.3746 0.3791 0.3837 0.3882 0.3928
0.3973 0.4019 0.4065 0.4110 0.4156
0.4201 0.4247 0.4292 0.4338 0.4383
0.4429 0.4474 0.4520 0.4565 0.4611
0.4657 0.4702 0.4748 0.4793 0.4839
0.4884 0.4930 0.4975 0.5021 0.5066
0.5112 0.5157 0.5203 0.5249 0.5294
0.5340 0.5385 0.5431 0.5476 0.5522
0.5852 0.7023 0.8528 0.9264 1.0000

Transect XS14
Area:
0.0017 0.0067 0.0151 0.0269 0.0418
0.0579 0.0741 0.0905 0.1071 0.1239

0.1409 0.1580 0.1754 0.1930 0.2108
0.2288 0.2469 0.2653 0.2838 0.3026
0.3215 0.3407 0.3600 0.3796 0.3993
0.4192 0.4394 0.4597 0.4802 0.5009
0.5218 0.5429 0.5642 0.5857 0.6074
0.6293 0.6514 0.6737 0.6961 0.7188
0.7417 0.7647 0.7880 0.8115 0.8351
0.8591 0.8865 0.9203 0.9586 1.0000

Hrad:

0.0187 0.0374 0.0560 0.0747 0.0978
0.1317 0.1643 0.1957 0.2260 0.2552
0.2835 0.3109 0.3374 0.3632 0.3882
0.4126 0.4363 0.4594 0.4819 0.5039
0.5254 0.5464 0.5669 0.5871 0.6068
0.6261 0.6451 0.6637 0.6820 0.6999
0.7176 0.7350 0.7521 0.7689 0.7855
0.8019 0.8180 0.8340 0.8497 0.8652
0.8805 0.8956 0.9106 0.9254 0.9400
0.9562 0.9734 0.9858 0.9940 1.0000

Width:

0.0781 0.1561 0.2342 0.3123 0.3700
0.3746 0.3791 0.3837 0.3882 0.3928
0.3973 0.4019 0.4065 0.4110 0.4156
0.4201 0.4247 0.4292 0.4338 0.4383
0.4429 0.4474 0.4520 0.4565 0.4611
0.4657 0.4702 0.4748 0.4793 0.4839
0.4884 0.4930 0.4975 0.5021 0.5066
0.5112 0.5157 0.5203 0.5249 0.5294
0.5340 0.5385 0.5431 0.5476 0.5522
0.5852 0.7023 0.8528 0.9264 1.0000

Transect XS15

Area:

0.0010 0.0041 0.0092 0.0164 0.0255
0.0361 0.0475 0.0598 0.0730 0.0869
0.1011 0.1155 0.1302 0.1451 0.1602
0.1756 0.1912 0.2070 0.2231 0.2394
0.2560 0.2728 0.2898 0.3071 0.3246
0.3424 0.3604 0.3786 0.3971 0.4158
0.4347 0.4539 0.4734 0.4939 0.5153
0.5378 0.5619 0.5877 0.6153 0.6446
0.6756 0.7082 0.7417 0.7761 0.8113
0.8474 0.8843 0.9220 0.9606 1.0000

Hrad:

0.0185 0.0369 0.0554 0.0738 0.0930
0.1201 0.1455 0.1697 0.1928 0.2198
0.2484 0.2760 0.3027 0.3285 0.3536
0.3779 0.4015 0.4245 0.4469 0.4687
0.4901 0.5110 0.5314 0.5514 0.5710
0.5902 0.6091 0.6277 0.6459 0.6639
0.6816 0.6990 0.7196 0.7413 0.7612
0.7825 0.8042 0.8234 0.8405 0.8557
0.8693 0.8827 0.8968 0.9112 0.9257
0.9404 0.9551 0.9700 0.9850 1.0000

Width:

0.0513 0.1026 0.1539 0.2052 0.2543
0.2761 0.2979 0.3196 0.3414 0.3530

0.3590 0.3650 0.3709 0.3769 0.3829
0.3888 0.3948 0.4008 0.4068 0.4127
0.4187 0.4247 0.4307 0.4366 0.4426
0.4486 0.4545 0.4605 0.4665 0.4725
0.4784 0.4844 0.5008 0.5253 0.5498
0.5839 0.6271 0.6704 0.7136 0.7569
0.8002 0.8312 0.8523 0.8734 0.8945
0.9156 0.9367 0.9578 0.9789 1.0000

Transect XS16
Area:
0.0009 0.0036 0.0081 0.0144 0.0225
0.0324 0.0440 0.0572 0.0711 0.0853
0.0999 0.1149 0.1302 0.1459 0.1619
0.1783 0.1951 0.2123 0.2298 0.2476
0.2658 0.2844 0.3034 0.3227 0.3424
0.3624 0.3828 0.4036 0.4247 0.4462
0.4681 0.4903 0.5129 0.5358 0.5591
0.5828 0.6069 0.6313 0.6560 0.6811
0.7066 0.7325 0.7588 0.7865 0.8155
0.8459 0.8776 0.9108 0.9484 1.0000
Hrad:
0.0290 0.0580 0.0870 0.1160 0.1451
0.1741 0.2031 0.2418 0.2892 0.3346
0.3783 0.4204 0.4611 0.5005 0.5387
0.5758 0.6119 0.6471 0.6814 0.7151
0.7480 0.7802 0.8118 0.8429 0.8735
0.9036 0.9332 0.9624 0.9911 1.0196
1.0476 1.0754 1.1028 1.1300 1.1568
1.1834 1.2098 1.2359 1.2618 1.2875
1.3130 1.3383 1.3441 1.3354 1.3297
1.3266 1.3258 1.3271 0.9691 1.0000
Width:
0.0345 0.0690 0.1035 0.1380 0.1725
0.2070 0.2415 0.2626 0.2697 0.2767
0.2836 0.2906 0.2975 0.3045 0.3115
0.3184 0.3254 0.3324 0.3393 0.3463
0.3533 0.3602 0.3672 0.3742 0.3811
0.3881 0.3951 0.4020 0.4090 0.4160
0.4229 0.4299 0.4369 0.4438 0.4508
0.4578 0.4647 0.4717 0.4787 0.4856
0.4926 0.4996 0.5169 0.5434 0.5699
0.5963 0.6228 0.6493 0.9795 1.0000

Transect XS17
Area:
0.0017 0.0070 0.0146 0.0240 0.0343
0.0451 0.0565 0.0684 0.0809 0.0938
0.1074 0.1214 0.1360 0.1509 0.1662
0.1818 0.1978 0.2140 0.2307 0.2477
0.2650 0.2827 0.3007 0.3191 0.3378
0.3568 0.3762 0.3960 0.4160 0.4366
0.4599 0.4862 0.5129 0.5398 0.5669
0.5942 0.6216 0.6493 0.6772 0.7052
0.7335 0.7619 0.7905 0.8194 0.8484
0.8776 0.9073 0.9376 0.9685 1.0000
Hrad:

0.0169 0.0347 0.0575 0.0804 0.1081
0.1344 0.1595 0.1835 0.2067 0.2291
0.2509 0.2720 0.2946 0.3176 0.3401
0.3620 0.3835 0.4045 0.4251 0.4453
0.4652 0.4847 0.5040 0.5229 0.5416
0.5600 0.5782 0.5962 0.6139 0.6325
0.6505 0.6641 0.6789 0.6946 0.7109
0.7277 0.7448 0.7621 0.7796 0.7973
0.8150 0.8327 0.8504 0.8682 0.8859
0.9059 0.9305 0.9544 0.9775 1.0000

Width:

0.1100 0.2136 0.2693 0.3151 0.3321
0.3491 0.3661 0.3832 0.4002 0.4172
0.4343 0.4513 0.4643 0.4751 0.4860
0.4968 0.5076 0.5185 0.5293 0.5401
0.5510 0.5618 0.5726 0.5835 0.5943
0.6051 0.6159 0.6268 0.6376 0.6720
0.7952 0.8375 0.8436 0.8497 0.8557
0.8618 0.8679 0.8740 0.8800 0.8861
0.8922 0.8983 0.9043 0.9104 0.9165
0.9264 0.9448 0.9632 0.9816 1.0000

Transect XS18

Area:

0.0011 0.0041 0.0083 0.0132 0.0191
0.0257 0.0332 0.0414 0.0501 0.0593
0.0690 0.0793 0.0900 0.1012 0.1130
0.1253 0.1388 0.1539 0.1704 0.1885
0.2082 0.2293 0.2517 0.2744 0.2974
0.3213 0.3454 0.3699 0.3947 0.4198
0.4453 0.4710 0.4971 0.5234 0.5501
0.5771 0.6045 0.6321 0.6600 0.6883
0.7169 0.7458 0.7750 0.8046 0.8351
0.8664 0.8985 0.9315 0.9653 1.0000

Hrad:

0.0166 0.0366 0.0588 0.0786 0.0971
0.1147 0.1318 0.1515 0.1710 0.1895
0.2074 0.2247 0.2415 0.2579 0.2739
0.2846 0.2843 0.2869 0.2917 0.2981
0.3059 0.3147 0.3343 0.3605 0.3869
0.4153 0.4434 0.4711 0.4986 0.5257
0.5526 0.5792 0.6055 0.6316 0.6574
0.6830 0.7084 0.7335 0.7585 0.7832
0.8077 0.8320 0.8561 0.8788 0.9002
0.9211 0.9416 0.9615 0.9810 1.0000

Width:

0.0603 0.1060 0.1297 0.1535 0.1773
0.2011 0.2249 0.2410 0.2554 0.2697
0.2841 0.2985 0.3128 0.3272 0.3415
0.3640 0.4072 0.4505 0.4938 0.5371
0.5803 0.6236 0.6440 0.6490 0.6747
0.6837 0.6927 0.7017 0.7107 0.7197
0.7286 0.7376 0.7466 0.7556 0.7646
0.7736 0.7826 0.7915 0.8005 0.8095
0.8185 0.8275 0.8365 0.8544 0.8787
0.9030 0.9272 0.9515 0.9757 1.0000

Transect XS19

Area:

0.0018	0.0059	0.0113	0.0178	0.0249
0.0326	0.0410	0.0500	0.0596	0.0699
0.0809	0.0924	0.1046	0.1175	0.1310
0.1450	0.1596	0.1746	0.1900	0.2060
0.2223	0.2392	0.2565	0.2743	0.2925
0.3112	0.3304	0.3508	0.3729	0.3969
0.4226	0.4498	0.4775	0.5055	0.5337
0.5621	0.5909	0.6198	0.6490	0.6785
0.7082	0.7381	0.7683	0.7989	0.8302
0.8624	0.8955	0.9294	0.9643	1.0000

Hrad:

0.0222	0.0533	0.0799	0.1110	0.1403
0.1678	0.1938	0.2188	0.2429	0.2663
0.2891	0.3115	0.3335	0.3551	0.3765
0.4003	0.4245	0.4481	0.4714	0.4942
0.5167	0.5388	0.5606	0.5821	0.6034
0.6245	0.6415	0.6303	0.6236	0.6205
0.6204	0.6358	0.6642	0.6920	0.7193
0.7460	0.7723	0.7982	0.8236	0.8486
0.8732	0.8974	0.9212	0.9377	0.9471
0.9569	0.9671	0.9777	0.9887	1.0000

Width:

0.0966	0.1323	0.1680	0.1873	0.2050
0.2227	0.2403	0.2580	0.2757	0.2933
0.3110	0.3287	0.3463	0.3640	0.3817
0.3957	0.4084	0.4212	0.4340	0.4468
0.4595	0.4723	0.4851	0.4978	0.5106
0.5234	0.5400	0.5888	0.6375	0.6862
0.7350	0.7626	0.7695	0.7764	0.7833
0.7903	0.7972	0.8041	0.8110	0.8180
0.8249	0.8318	0.8388	0.8541	0.8784
0.9027	0.9271	0.9514	0.9757	1.0000

Transect XS2

Area:

0.0032	0.0128	0.0270	0.0417	0.0567
0.0719	0.0874	0.1031	0.1192	0.1354
0.1520	0.1688	0.1858	0.2032	0.2207
0.2386	0.2567	0.2751	0.2937	0.3126
0.3318	0.3512	0.3709	0.3908	0.4111
0.4315	0.4523	0.4733	0.4945	0.5160
0.5378	0.5599	0.5822	0.6048	0.6276
0.6507	0.6741	0.6977	0.7216	0.7457
0.7701	0.7948	0.8197	0.8449	0.8704
0.8960	0.9217	0.9477	0.9738	1.0000

Hrad:

0.0151	0.0303	0.0559	0.0843	0.1119
0.1388	0.1649	0.1905	0.2155	0.2398
0.2637	0.2871	0.3100	0.3325	0.3545
0.3762	0.3974	0.4184	0.4390	0.4593
0.4792	0.4989	0.5184	0.5375	0.5564
0.5751	0.5936	0.6118	0.6299	0.6477
0.6654	0.6828	0.7001	0.7173	0.7342
0.7511	0.7678	0.7843	0.8007	0.8170
0.8331	0.8492	0.8651	0.8809	0.8998

0.9200 0.9402 0.9602 0.9802 1.0000
Width:
0.2426 0.4852 0.5534 0.5633 0.5733
0.5833 0.5932 0.6032 0.6132 0.6231
0.6331 0.6431 0.6530 0.6630 0.6730
0.6829 0.6929 0.7029 0.7128 0.7228
0.7328 0.7427 0.7527 0.7627 0.7727
0.7826 0.7926 0.8026 0.8125 0.8225
0.8325 0.8424 0.8524 0.8624 0.8723
0.8823 0.8923 0.9022 0.9122 0.9222
0.9321 0.9421 0.9521 0.9620 0.9694
0.9755 0.9816 0.9878 0.9939 1.0000

Transect XS20
Area:
0.0049 0.0168 0.0292 0.0419 0.0549
0.0681 0.0815 0.0953 0.1092 0.1235
0.1380 0.1527 0.1678 0.1830 0.1986
0.2144 0.2304 0.2467 0.2633 0.2802
0.2972 0.3146 0.3322 0.3501 0.3682
0.3866 0.4052 0.4241 0.4433 0.4627
0.4824 0.5024 0.5232 0.5450 0.5680
0.5919 0.6170 0.6430 0.6702 0.6984
0.7270 0.7558 0.7849 0.8145 0.8444
0.8747 0.9054 0.9365 0.9681 1.0000
Hrad:
0.0191 0.0518 0.0874 0.1216 0.1547
0.1867 0.2176 0.2476 0.2767 0.3051
0.3327 0.3595 0.3858 0.4114 0.4365
0.4611 0.4851 0.5088 0.5319 0.5547
0.5771 0.5991 0.6208 0.6421 0.6632
0.6839 0.7044 0.7246 0.7446 0.7644
0.7839 0.7970 0.7930 0.7908 0.7903
0.7912 0.7934 0.7968 0.8012 0.8100
0.8345 0.8574 0.8757 0.8939 0.9119
0.9298 0.9475 0.9651 0.9826 1.0000
Width:
0.3066 0.3828 0.3909 0.3990 0.4070
0.4151 0.4232 0.4312 0.4393 0.4473
0.4554 0.4635 0.4715 0.4796 0.4877
0.4957 0.5038 0.5118 0.5199 0.5280
0.5360 0.5441 0.5522 0.5602 0.5683
0.5763 0.5844 0.5925 0.6005 0.6086
0.6167 0.6310 0.6639 0.6968 0.7298
0.7627 0.7956 0.8285 0.8615 0.8892
0.8938 0.9001 0.9126 0.9251 0.9376
0.9500 0.9625 0.9750 0.9875 1.0000

Transect XS21
Area:
0.0006 0.0025 0.0057 0.0101 0.0158
0.0228 0.0310 0.0405 0.0513 0.0634
0.0767 0.0910 0.1058 0.1210 0.1366
0.1525 0.1688 0.1855 0.2025 0.2200
0.2378 0.2560 0.2745 0.2935 0.3128
0.3325 0.3529 0.3757 0.3998 0.4241
0.4487 0.4737 0.4989 0.5245 0.5503

0.5765 0.6030 0.6297 0.6568 0.6842
0.7122 0.7411 0.7707 0.8011 0.8323
0.8643 0.8970 0.9306 0.9649 1.0000

Hrad:

0.0157 0.0314 0.0470 0.0627 0.0784
0.0941 0.1098 0.1254 0.1411 0.1568
0.1725 0.1948 0.2196 0.2438 0.2674
0.2903 0.3128 0.3347 0.3562 0.3773
0.3979 0.4183 0.4383 0.4579 0.4773
0.4964 0.5146 0.5293 0.5464 0.5642
0.5825 0.6012 0.6201 0.6393 0.6587
0.6782 0.6978 0.7175 0.7372 0.7601
0.7876 0.8142 0.8399 0.8647 0.8889
0.9123 0.9350 0.9572 0.9789 1.0000

Width:

0.0357 0.0714 0.1071 0.1428 0.1785
0.2142 0.2499 0.2856 0.3214 0.3571
0.3928 0.4116 0.4222 0.4328 0.4435
0.4541 0.4647 0.4753 0.4859 0.4966
0.5072 0.5178 0.5284 0.5390 0.5497
0.5603 0.6055 0.6733 0.6818 0.6903
0.6987 0.7072 0.7157 0.7242 0.7327
0.7412 0.7497 0.7581 0.7666 0.7800
0.8020 0.8240 0.8460 0.8680 0.8900
0.9120 0.9340 0.9560 0.9780 1.0000

Transect XS22

Area:

0.0014 0.0053 0.0106 0.0172 0.0249
0.0333 0.0422 0.0517 0.0617 0.0723
0.0834 0.0952 0.1074 0.1202 0.1336
0.1475 0.1620 0.1770 0.1926 0.2088
0.2255 0.2428 0.2606 0.2790 0.2979
0.3174 0.3374 0.3580 0.3792 0.4009
0.4232 0.4460 0.4694 0.4934 0.5179
0.5429 0.5685 0.5950 0.6224 0.6508
0.6801 0.7104 0.7416 0.7740 0.8080
0.8438 0.8812 0.9198 0.9594 1.0000

Hrad:

0.0213 0.0490 0.0758 0.1006 0.1304
0.1625 0.1930 0.2223 0.2506 0.2780
0.3047 0.3307 0.3562 0.3813 0.4059
0.4302 0.4541 0.4778 0.5012 0.5244
0.5474 0.5702 0.5928 0.6153 0.6377
0.6599 0.6820 0.7040 0.7259 0.7477
0.7694 0.7911 0.8127 0.8342 0.8556
0.8770 0.8949 0.9043 0.9145 0.9253
0.9368 0.9488 0.9614 0.9585 0.9537
0.9513 0.9553 0.9700 0.9849 1.0000

Width:

0.0691 0.1123 0.1443 0.1762 0.1967
0.2103 0.2238 0.2373 0.2509 0.2644
0.2779 0.2915 0.3050 0.3185 0.3321
0.3456 0.3592 0.3727 0.3862 0.3998
0.4133 0.4268 0.4404 0.4539 0.4675
0.4810 0.4945 0.5081 0.5216 0.5351
0.5487 0.5622 0.5757 0.5893 0.6028

0.6164 0.6325 0.6556 0.6786 0.7016
0.7247 0.7477 0.7708 0.8082 0.8495
0.8908 0.9267 0.9512 0.9756 1.0000

Transect XS23
Area:
0.0025 0.0097 0.0182 0.0276 0.0379
0.0489 0.0609 0.0737 0.0871 0.1009
0.1149 0.1292 0.1437 0.1585 0.1736
0.1889 0.2045 0.2204 0.2365 0.2529
0.2695 0.2864 0.3035 0.3210 0.3386
0.3566 0.3748 0.3932 0.4120 0.4310
0.4502 0.4697 0.4895 0.5095 0.5298
0.5510 0.5751 0.6025 0.6328 0.6640
0.6956 0.7277 0.7602 0.7931 0.8265
0.8603 0.8946 0.9293 0.9644 1.0000
Hrad:
0.0157 0.0372 0.0632 0.0873 0.1099
0.1313 0.1519 0.1717 0.1961 0.2220
0.2474 0.2721 0.2964 0.3203 0.3437
0.3666 0.3892 0.4114 0.4333 0.4548
0.4760 0.4970 0.5176 0.5380 0.5581
0.5780 0.5977 0.6171 0.6364 0.6554
0.6743 0.6930 0.7115 0.7298 0.7480
0.7695 0.7916 0.8085 0.8217 0.8357
0.8506 0.8660 0.8820 0.8983 0.9149
0.9317 0.9486 0.9657 0.9828 1.0000
Width:
0.1418 0.2270 0.2507 0.2743 0.2980
0.3216 0.3453 0.3689 0.3808 0.3881
0.3954 0.4027 0.4100 0.4173 0.4246
0.4319 0.4392 0.4465 0.4538 0.4611
0.4684 0.4757 0.4830 0.4903 0.4976
0.5049 0.5122 0.5195 0.5269 0.5342
0.5415 0.5488 0.5561 0.5634 0.5707
0.6287 0.7192 0.8098 0.8655 0.8777
0.8899 0.9022 0.9144 0.9266 0.9388
0.9511 0.9633 0.9755 0.9878 1.0000

Transect XS24
Area:
0.0067 0.0174 0.0297 0.0423 0.0551
0.0683 0.0818 0.0956 0.1096 0.1240
0.1386 0.1536 0.1689 0.1844 0.2002
0.2164 0.2328 0.2496 0.2666 0.2839
0.3015 0.3195 0.3377 0.3562 0.3750
0.3941 0.4135 0.4332 0.4532 0.4735
0.4941 0.5150 0.5361 0.5576 0.5794
0.6015 0.6238 0.6465 0.6695 0.6927
0.7163 0.7402 0.7660 0.7938 0.8238
0.8559 0.8903 0.9258 0.9624 1.0000
Hrad:
0.0246 0.0472 0.0779 0.1076 0.1362
0.1639 0.1907 0.2167 0.2421 0.2667
0.2907 0.3142 0.3371 0.3595 0.3814
0.4030 0.4241 0.4448 0.4652 0.4853
0.5051 0.5245 0.5437 0.5626 0.5813

0.5998 0.6180 0.6360 0.6538 0.6715
0.6889 0.7062 0.7234 0.7403 0.7572
0.7739 0.7904 0.8068 0.8232 0.8394
0.8554 0.8738 0.8936 0.9105 0.9248
0.9376 0.9534 0.9691 0.9847 1.0000
Width:
0.2354 0.3187 0.3264 0.3342 0.3420
0.3498 0.3576 0.3654 0.3731 0.3809
0.3887 0.3965 0.4043 0.4120 0.4198
0.4276 0.4354 0.4432 0.4510 0.4587
0.4665 0.4743 0.4821 0.4899 0.4976
0.5054 0.5132 0.5210 0.5288 0.5366
0.5443 0.5521 0.5599 0.5677 0.5755
0.5832 0.5910 0.5988 0.6066 0.6144
0.6222 0.6482 0.7034 0.7587 0.8140
0.8726 0.9205 0.9470 0.9735 1.0000

Transect XS25
Area:
0.0009 0.0036 0.0082 0.0146 0.0228
0.0326 0.0429 0.0537 0.0648 0.0764
0.0883 0.1007 0.1134 0.1266 0.1401
0.1541 0.1684 0.1832 0.1983 0.2139
0.2298 0.2462 0.2629 0.2801 0.2976
0.3156 0.3339 0.3527 0.3718 0.3914
0.4113 0.4316 0.4525 0.4744 0.4977
0.5223 0.5482 0.5754 0.6040 0.6339
0.6651 0.6976 0.7314 0.7662 0.8023
0.8395 0.8779 0.9174 0.9581 1.0000
Hrad:
0.0217 0.0434 0.0651 0.0868 0.1085
0.1391 0.1758 0.2111 0.2452 0.2783
0.3104 0.3418 0.3723 0.4022 0.4315
0.4602 0.4884 0.5161 0.5434 0.5702
0.5968 0.6229 0.6488 0.6744 0.6997
0.7248 0.7496 0.7742 0.7986 0.8228
0.8469 0.8707 0.8816 0.8721 0.8660
0.8627 0.8617 0.8629 0.8658 0.8703
0.8762 0.8858 0.8983 0.9114 0.9251
0.9392 0.9538 0.9689 0.9843 1.0000
Width:
0.0429 0.0858 0.1287 0.1717 0.2146
0.2390 0.2484 0.2578 0.2673 0.2767
0.2861 0.2955 0.3049 0.3144 0.3238
0.3332 0.3426 0.3521 0.3615 0.3709
0.3803 0.3897 0.3992 0.4086 0.4180
0.4274 0.4368 0.4463 0.4557 0.4651
0.4745 0.4839 0.5012 0.5324 0.5636
0.5948 0.6260 0.6573 0.6885 0.7197
0.7509 0.7802 0.8077 0.8351 0.8626
0.8901 0.9176 0.9450 0.9725 1.0000

Transect XS26
Area:
0.0007 0.0029 0.0065 0.0116 0.0182
0.0262 0.0355 0.0456 0.0564 0.0678
0.0799 0.0926 0.1060 0.1200 0.1347

0.1501 0.1661 0.1828 0.2001 0.2181
0.2367 0.2561 0.2760 0.2967 0.3179
0.3399 0.3625 0.3857 0.4096 0.4342
0.4590 0.4843 0.5099 0.5359 0.5622
0.5889 0.6159 0.6433 0.6711 0.6992
0.7276 0.7565 0.7857 0.8152 0.8451
0.8754 0.9060 0.9370 0.9683 1.0000
Hrad:
0.0195 0.0389 0.0584 0.0779 0.0974
0.1168 0.1410 0.1683 0.1942 0.2191
0.2431 0.2663 0.2889 0.3109 0.3325
0.3537 0.3746 0.3951 0.4154 0.4354
0.4553 0.4749 0.4944 0.5137 0.5329
0.5520 0.5709 0.5898 0.6085 0.6292
0.6507 0.6717 0.6923 0.7126 0.7325
0.7521 0.7713 0.7903 0.8090 0.8274
0.8456 0.8635 0.8813 0.8988 0.9161
0.9332 0.9502 0.9669 0.9835 1.0000
Width:
0.0456 0.0912 0.1369 0.1825 0.2281
0.2737 0.3064 0.3271 0.3477 0.3684
0.3890 0.4097 0.4303 0.4510 0.4716
0.4922 0.5129 0.5335 0.5542 0.5748
0.5955 0.6161 0.6368 0.6574 0.6781
0.6987 0.7193 0.7400 0.7606 0.7753
0.7865 0.7977 0.8090 0.8202 0.8315
0.8427 0.8539 0.8652 0.8764 0.8876
0.8989 0.9101 0.9213 0.9326 0.9438
0.9551 0.9663 0.9775 0.9888 1.0000

Transect XS27
Area:
0.0015 0.0058 0.0131 0.0232 0.0355
0.0484 0.0616 0.0752 0.0892 0.1037
0.1186 0.1338 0.1495 0.1656 0.1821
0.1990 0.2163 0.2341 0.2522 0.2708
0.2897 0.3091 0.3289 0.3491 0.3697
0.3907 0.4121 0.4340 0.4562 0.4789
0.5019 0.5254 0.5493 0.5735 0.5981
0.6229 0.6480 0.6734 0.6991 0.7251
0.7513 0.7778 0.8046 0.8317 0.8590
0.8867 0.9146 0.9428 0.9712 1.0000
Hrad:
0.0189 0.0378 0.0567 0.0757 0.1056
0.1376 0.1679 0.1970 0.2249 0.2517
0.2776 0.3027 0.3270 0.3506 0.3736
0.3961 0.4180 0.4394 0.4604 0.4810
0.5013 0.5212 0.5408 0.5601 0.5791
0.5979 0.6165 0.6348 0.6529 0.6708
0.6886 0.7062 0.7236 0.7414 0.7593
0.7768 0.7942 0.8112 0.8280 0.8446
0.8610 0.8771 0.8931 0.9089 0.9244
0.9399 0.9551 0.9702 0.9852 1.0000
Width:
0.1004 0.2008 0.3013 0.4017 0.4362
0.4504 0.4646 0.4788 0.4930 0.5072
0.5214 0.5356 0.5498 0.5640 0.5782

0.5924 0.6066 0.6208 0.6350 0.6492
0.6634 0.6776 0.6918 0.7060 0.7202
0.7344 0.7486 0.7628 0.7770 0.7912
0.8054 0.8196 0.8338 0.8449 0.8546
0.8643 0.8740 0.8837 0.8934 0.9031
0.9128 0.9225 0.9322 0.9418 0.9515
0.9612 0.9709 0.9806 0.9903 1.0000

Transect XS28
Area:
0.0008 0.0034 0.0075 0.0134 0.0209
0.0302 0.0411 0.0535 0.0669 0.0811
0.0962 0.1117 0.1275 0.1435 0.1598
0.1763 0.1931 0.2101 0.2274 0.2450
0.2628 0.2808 0.2991 0.3176 0.3364
0.3555 0.3748 0.3943 0.4141 0.4342
0.4545 0.4750 0.4958 0.5169 0.5382
0.5603 0.5831 0.6067 0.6315 0.6579
0.6859 0.7154 0.7466 0.7794 0.8137
0.8496 0.8862 0.9236 0.9616 1.0000
Hrad:
0.0253 0.0506 0.0759 0.1012 0.1264
0.1517 0.1770 0.2073 0.2417 0.2744
0.3061 0.3446 0.3815 0.4170 0.4512
0.4842 0.5161 0.5470 0.5769 0.6060
0.6343 0.6619 0.6887 0.7149 0.7405
0.7656 0.7901 0.8141 0.8377 0.8608
0.8835 0.9059 0.9278 0.9494 0.9706
0.9905 1.0090 1.0262 1.0212 1.0172
1.0144 1.0129 1.0126 1.0134 1.0152
1.0254 1.0457 1.0654 1.0851 1.0000
Width:
0.0435 0.0869 0.1304 0.1739 0.2173
0.2608 0.3043 0.3370 0.3580 0.3790
0.3995 0.4061 0.4126 0.4191 0.4256
0.4321 0.4386 0.4452 0.4517 0.4582
0.4647 0.4712 0.4777 0.4843 0.4908
0.4973 0.5038 0.5103 0.5169 0.5234
0.5299 0.5364 0.5429 0.5494 0.5608
0.5815 0.6022 0.6230 0.6639 0.7052
0.7464 0.7877 0.8289 0.8702 0.9114
0.9428 0.9603 0.9779 0.9915 1.0000

Transect XS29
Area:
0.0007 0.0026 0.0059 0.0105 0.0164
0.0236 0.0321 0.0419 0.0529 0.0646
0.0769 0.0900 0.1037 0.1181 0.1332
0.1489 0.1654 0.1824 0.1998 0.2176
0.2356 0.2541 0.2728 0.2919 0.3114
0.3312 0.3514 0.3719 0.3927 0.4139
0.4355 0.4573 0.4796 0.5021 0.5251
0.5483 0.5720 0.5959 0.6203 0.6462
0.6738 0.7030 0.7338 0.7663 0.8005
0.8364 0.8739 0.9136 0.9560 1.0000
Hrad:
0.0231 0.0461 0.0692 0.0922 0.1153

0.1383 0.1614 0.1844 0.2148 0.2468
0.2776 0.3075 0.3366 0.3651 0.3930
0.4204 0.4473 0.4801 0.5140 0.5473
0.5801 0.6123 0.6440 0.6752 0.7059
0.7362 0.7662 0.7957 0.8249 0.8538
0.8823 0.9105 0.9385 0.9661 0.9935
1.0207 1.0476 1.0743 1.0782 1.0565
1.0398 1.0273 1.0183 1.0124 1.0091
1.0081 1.0067 0.9881 0.9797 1.0000

Width:

0.0294 0.0588 0.0882 0.1176 0.1470
0.1763 0.2057 0.2351 0.2542 0.2695
0.2848 0.3001 0.3154 0.3307 0.3460
0.3614 0.3767 0.3861 0.3939 0.4016
0.4094 0.4172 0.4249 0.4327 0.4404
0.4482 0.4560 0.4637 0.4715 0.4792
0.4870 0.4948 0.5025 0.5103 0.5180
0.5258 0.5336 0.5413 0.5618 0.5991
0.6363 0.6736 0.7108 0.7480 0.7853
0.8225 0.8620 0.9212 0.9747 1.0000

Transect XS3

Area:

0.0013 0.0052 0.0118 0.0210 0.0328
0.0472 0.0643 0.0829 0.1019 0.1211
0.1404 0.1598 0.1794 0.1991 0.2190
0.2390 0.2591 0.2794 0.2999 0.3204
0.3411 0.3620 0.3830 0.4041 0.4254
0.4468 0.4684 0.4901 0.5119 0.5339
0.5560 0.5783 0.6007 0.6232 0.6459
0.6687 0.6917 0.7148 0.7380 0.7614
0.7849 0.8086 0.8324 0.8562 0.8801
0.9040 0.9279 0.9519 0.9759 1.0000

Hrad:

0.0141 0.0282 0.0423 0.0565 0.0706
0.0847 0.1000 0.1230 0.1495 0.1755
0.2011 0.2263 0.2512 0.2757 0.2999
0.3237 0.3472 0.3703 0.3932 0.4158
0.4381 0.4601 0.4818 0.5033 0.5245
0.5455 0.5662 0.5867 0.6070 0.6271
0.6469 0.6666 0.6860 0.7053 0.7243
0.7432 0.7619 0.7804 0.7988 0.8169
0.8349 0.8528 0.8716 0.8906 0.9093
0.9279 0.9462 0.9643 0.9823 1.0000

Width:

0.1090 0.2179 0.3269 0.4359 0.5449
0.6538 0.7532 0.7868 0.7926 0.7985
0.8043 0.8102 0.8160 0.8219 0.8277
0.8336 0.8394 0.8453 0.8511 0.8570
0.8628 0.8687 0.8745 0.8804 0.8862
0.8921 0.8980 0.9038 0.9097 0.9155
0.9214 0.9272 0.9331 0.9389 0.9448
0.9506 0.9565 0.9623 0.9682 0.9740
0.9799 0.9857 0.9883 0.9900 0.9917
0.9933 0.9950 0.9967 0.9983 1.0000

Transect XS4

Area:

0.0019	0.0075	0.0157	0.0251	0.0354
0.0467	0.0590	0.0723	0.0866	0.1019
0.1181	0.1351	0.1523	0.1698	0.1877
0.2058	0.2243	0.2430	0.2621	0.2814
0.3011	0.3210	0.3413	0.3618	0.3827
0.4039	0.4253	0.4471	0.4692	0.4916
0.5142	0.5372	0.5605	0.5841	0.6080
0.6321	0.6566	0.6814	0.7065	0.7319
0.7576	0.7836	0.8099	0.8365	0.8633
0.8903	0.9175	0.9448	0.9723	1.0000

Hrad:

0.0152	0.0304	0.0540	0.0770	0.0985
0.1187	0.1381	0.1568	0.1749	0.1926
0.2100	0.2350	0.2595	0.2836	0.3072
0.3303	0.3531	0.3754	0.3974	0.4191
0.4404	0.4615	0.4822	0.5027	0.5229
0.5428	0.5625	0.5820	0.6013	0.6204
0.6392	0.6579	0.6764	0.6947	0.7129
0.7309	0.7487	0.7664	0.7840	0.8014
0.8187	0.8359	0.8530	0.8712	0.8929
0.9146	0.9361	0.9575	0.9788	1.0000

Width:

0.1342	0.2683	0.3175	0.3534	0.3893
0.4251	0.4610	0.4969	0.5328	0.5686
0.6044	0.6153	0.6262	0.6371	0.6480
0.6589	0.6697	0.6806	0.6915	0.7024
0.7133	0.7242	0.7351	0.7460	0.7569
0.7677	0.7786	0.7895	0.8004	0.8113
0.8222	0.8331	0.8440	0.8549	0.8658
0.8766	0.8875	0.8984	0.9093	0.9202
0.9311	0.9420	0.9529	0.9626	0.9688
0.9750	0.9813	0.9875	0.9938	1.0000

Transect XS5

Area:

0.0015	0.0061	0.0138	0.0246	0.0384
0.0542	0.0703	0.0866	0.1032	0.1201
0.1372	0.1546	0.1723	0.1902	0.2083
0.2268	0.2454	0.2644	0.2836	0.3030
0.3228	0.3427	0.3630	0.3834	0.4042
0.4252	0.4465	0.4680	0.4898	0.5118
0.5341	0.5567	0.5795	0.6026	0.6259
0.6495	0.6732	0.6972	0.7213	0.7457
0.7702	0.7950	0.8199	0.8451	0.8704
0.8959	0.9216	0.9476	0.9737	1.0000

Hrad:

0.0164	0.0328	0.0492	0.0656	0.0821
0.1103	0.1392	0.1672	0.1942	0.2203
0.2456	0.2702	0.2941	0.3174	0.3401
0.3622	0.3837	0.4048	0.4254	0.4456
0.4653	0.4847	0.5037	0.5224	0.5407
0.5587	0.5764	0.5939	0.6111	0.6280
0.6447	0.6612	0.6774	0.6935	0.7094
0.7296	0.7497	0.7696	0.7895	0.8092
0.8287	0.8482	0.8675	0.8868	0.9059
0.9249	0.9439	0.9627	0.9814	1.0000

Width:

0.1162	0.2325	0.3487	0.4649	0.5811
0.6044	0.6142	0.6240	0.6338	0.6436
0.6534	0.6632	0.6729	0.6827	0.6925
0.7023	0.7121	0.7219	0.7317	0.7415
0.7513	0.7611	0.7709	0.7806	0.7904
0.8002	0.8100	0.8198	0.8296	0.8394
0.8492	0.8590	0.8688	0.8786	0.8883
0.8958	0.9032	0.9107	0.9181	0.9255
0.9330	0.9404	0.9479	0.9553	0.9628
0.9702	0.9777	0.9851	0.9926	1.0000

Transect XS6

Area:

0.0004	0.0016	0.0036	0.0063	0.0099
0.0142	0.0194	0.0253	0.0321	0.0396
0.0479	0.0570	0.0669	0.0776	0.0890
0.1013	0.1144	0.1282	0.1428	0.1583
0.1745	0.1915	0.2093	0.2279	0.2473
0.2675	0.2885	0.3102	0.3328	0.3561
0.3803	0.4052	0.4309	0.4574	0.4847
0.5128	0.5417	0.5714	0.6018	0.6331
0.6652	0.6983	0.7324	0.7676	0.8037
0.8409	0.8792	0.9184	0.9587	1.0000

Hrad:

0.0202	0.0405	0.0607	0.0810	0.1012
0.1215	0.1417	0.1619	0.1822	0.2024
0.2227	0.2429	0.2632	0.2834	0.3037
0.3239	0.3441	0.3644	0.3846	0.4049
0.4251	0.4454	0.4656	0.4858	0.5061
0.5263	0.5466	0.5668	0.5871	0.6073
0.6276	0.6478	0.6680	0.6883	0.7085
0.7288	0.7490	0.7693	0.7895	0.8097
0.8299	0.8497	0.8691	0.8882	0.9070
0.9255	0.9437	0.9617	0.9795	1.0000

Width:

0.0190	0.0380	0.0570	0.0759	0.0949
0.1139	0.1329	0.1519	0.1709	0.1899
0.2088	0.2278	0.2468	0.2658	0.2848
0.3038	0.3228	0.3417	0.3607	0.3797
0.3987	0.4177	0.4367	0.4556	0.4746
0.4936	0.5126	0.5316	0.5506	0.5696
0.5885	0.6075	0.6265	0.6455	0.6645
0.6835	0.7025	0.7214	0.7404	0.7597
0.7816	0.8062	0.8309	0.8555	0.8802
0.9048	0.9294	0.9541	0.9787	1.0000

Transect XS7

Area:

0.0004	0.0016	0.0035	0.0063	0.0098
0.0141	0.0192	0.0251	0.0317	0.0392
0.0474	0.0564	0.0662	0.0768	0.0882
0.1003	0.1132	0.1270	0.1414	0.1567
0.1728	0.1896	0.2073	0.2257	0.2449
0.2649	0.2856	0.3072	0.3295	0.3526
0.3765	0.4012	0.4267	0.4529	0.4800
0.5078	0.5364	0.5658	0.5960	0.6269

0.6588 0.6919 0.7262 0.7616 0.7983
0.8362 0.8754 0.9157 0.9572 1.0000
Hrad:
0.0206 0.0412 0.0617 0.0823 0.1029
0.1235 0.1441 0.1646 0.1852 0.2058
0.2264 0.2470 0.2675 0.2881 0.3087
0.3293 0.3499 0.3704 0.3910 0.4116
0.4322 0.4528 0.4733 0.4939 0.5145
0.5351 0.5557 0.5762 0.5968 0.6174
0.6380 0.6586 0.6791 0.6997 0.7203
0.7409 0.7615 0.7820 0.8026 0.8232
0.8435 0.8631 0.8819 0.9002 0.9178
0.9349 0.9515 0.9677 0.9834 1.0000
Width:
0.0181 0.0362 0.0543 0.0724 0.0905
0.1086 0.1267 0.1448 0.1629 0.1810
0.1991 0.2173 0.2354 0.2535 0.2716
0.2897 0.3078 0.3259 0.3440 0.3621
0.3802 0.3983 0.4164 0.4345 0.4526
0.4707 0.4888 0.5069 0.5250 0.5431
0.5612 0.5793 0.5974 0.6156 0.6337
0.6518 0.6699 0.6880 0.7061 0.7252
0.7498 0.7778 0.8058 0.8338 0.8618
0.8898 0.9178 0.9458 0.9738 1.0000

Transect XS8
Area:
0.0009 0.0035 0.0078 0.0139 0.0216
0.0312 0.0424 0.0554 0.0701 0.0866
0.1047 0.1247 0.1456 0.1668 0.1880
0.2094 0.2309 0.2525 0.2742 0.2961
0.3181 0.3402 0.3624 0.3848 0.4073
0.4299 0.4526 0.4755 0.4985 0.5216
0.5448 0.5682 0.5916 0.6152 0.6389
0.6627 0.6865 0.7103 0.7342 0.7581
0.7821 0.8061 0.8302 0.8543 0.8785
0.9027 0.9269 0.9512 0.9756 1.0000
Hrad:
0.0163 0.0326 0.0490 0.0653 0.0816
0.0979 0.1143 0.1306 0.1469 0.1632
0.1796 0.1959 0.2240 0.2527 0.2807
0.3082 0.3350 0.3613 0.3871 0.4123
0.4370 0.4612 0.4850 0.5083 0.5312
0.5537 0.5758 0.5975 0.6189 0.6399
0.6605 0.6808 0.7008 0.7205 0.7403
0.7597 0.7789 0.7976 0.8161 0.8342
0.8521 0.8696 0.8868 0.9038 0.9205
0.9369 0.9530 0.9689 0.9846 1.0000
Width:
0.0709 0.1418 0.2127 0.2835 0.3544
0.4253 0.4962 0.5671 0.6380 0.7089
0.7797 0.8506 0.8622 0.8673 0.8723
0.8774 0.8825 0.8876 0.8926 0.8977
0.9028 0.9079 0.9129 0.9180 0.9231
0.9282 0.9332 0.9383 0.9434 0.9485
0.9535 0.9586 0.9637 0.9688 0.9711
0.9730 0.9749 0.9768 0.9788 0.9807

```
            0.9826     0.9846     0.9865     0.9884     0.9904
            0.9923     0.9942     0.9961     0.9981     1.0000

Transect XS9
Area:
            0.0006     0.0026     0.0058     0.0103     0.0161
            0.0232     0.0316     0.0412     0.0522     0.0644
            0.0779     0.0926     0.1079     0.1239     0.1404
            0.1575     0.1753     0.1936     0.2125     0.2321
            0.2522     0.2728     0.2938     0.3152     0.3371
            0.3593     0.3819     0.4050     0.4284     0.4523
            0.4765     0.5012     0.5262     0.5517     0.5775
            0.6038     0.6305     0.6576     0.6850     0.7129
            0.7408     0.7690     0.7973     0.8258     0.8544
            0.8832     0.9122     0.9413     0.9706     1.0000
Hrad:
            0.0150     0.0301     0.0451     0.0602     0.0752
            0.0903     0.1053     0.1204     0.1354     0.1505
            0.1655     0.1854     0.2076     0.2293     0.2505
            0.2712     0.2916     0.3115     0.3312     0.3505
            0.3699     0.3920     0.4139     0.4355     0.4568
            0.4778     0.4986     0.5191     0.5395     0.5596
            0.5796     0.5993     0.6189     0.6383     0.6575
            0.6766     0.6955     0.7143     0.7330     0.7560
            0.7809     0.8058     0.8305     0.8551     0.8795
            0.9038     0.9281     0.9522     0.9761     1.0000
Width:
            0.0436     0.0873     0.1309     0.1746     0.2182
            0.2619     0.3055     0.3491     0.3928     0.4364
            0.4801     0.5093     0.5296     0.5499     0.5703
            0.5906     0.6110     0.6313     0.6516     0.6720
            0.6918     0.7055     0.7191     0.7328     0.7465
            0.7601     0.7738     0.7875     0.8011     0.8148
            0.8285     0.8421     0.8558     0.8695     0.8831
            0.8968     0.9105     0.9241     0.9378     0.9459
            0.9513     0.9567     0.9621     0.9675     0.9730
            0.9784     0.9838     0.9892     0.9946     1.0000


*********************************************************
NOTE: The summary statistics displayed in this report are
based on results found at every computational time step,
not just on results from each reporting time step.
*********************************************************

****************
Analysis Options
****************
Flow Units ..... CFS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ YES
  Water Quality .......... NO
```

Flow Routing Method ..... DYNWAVE
Surcharge Method ..... EXTRAN
Starting Date 11/01/2021 00:00:00
Ending Date 11/01/2021 12:00:00
Antecedent Dry Days 0.0
Report Time Step 00:03:00
Routing Time Step ..... 5.00 sec
Variable Time Step ..... YES
Maximum Trials 8
Number of Threads 6
Head Tolerance ..... 0.005000 ft

Flow Routing Continuity	Volume acre-feet	Volume 10^6 gal
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	0.000	0.000
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	47.964	15.630
External Outflow	46.716	15.223
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.001	0.000
Final Stored Volume	1.143	0.372
Continuity Error (%)	0.221	

Highest Continuity Errors
Node J32 (1.73%)
Node J107 (1.45%)

Time-Step Critical Elements
Link C145 (61.26%)
Link C4_1 (18.20%)
Link C79 (6.87%)
Link C103 (5.67%)
Link C9 (3.41%)

Highest Flow Instability Indexes
Link C4_1 (61)
Link C4 (41)
Link C4_2 (29)
Link C18 (20)
Link C19 (20)

```
*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     0.50 sec
Average Time Step           :     1.00 sec
Maximum Time Step           :     5.00 sec
Percent in Steady State     :    -0.00
Average Iterations per Step :     2.21
Percent Not Converging      :     1.37
Time Step Frequencies       :
    5.000 -  3.155 sec      :     2.40 %
    3.155 -  1.991 sec      :    13.52 %
    1.991 -  1.256 sec      :     9.32 %
    1.256 -  0.792 sec      :     4.85 %
    0.792 -  0.500 sec      :    69.90 %


******************
Node Depth Summary
******************
```

Node	Type	Average Depth Feet	Maximum Depth Feet	Maximum HGL Feet	Time of Max Occurrence days hr:min	Reported Max Depth Feet
J1	JUNCTION	0.69	1.84	850.23	0 03:35	1.84
J10	JUNCTION	0.65	1.56	880.60	0 03:16	1.55
J100	JUNCTION	0.42	1.17	906.79	0 03:12	1.17
J101	JUNCTION	1.36	7.46	970.74	0 03:09	7.45
J102	JUNCTION	0.28	1.22	999.41	0 03:06	1.22
J103	JUNCTION	0.03	0.12	996.13	0 03:06	0.12
J104	JUNCTION	0.12	0.45	980.54	0 03:03	0.42
J105	JUNCTION	0.14	3.30	982.38	0 03:03	1.31
J106	JUNCTION	0.82	3.36	980.29	0 03:03	3.29
J107	JUNCTION	0.03	0.32	991.10	0 03:09	0.32
J108	JUNCTION	1.96	11.18	1019.18	0 03:10	11.18
J109	JUNCTION	0.00	0.00	978.18	0 00:00	0.00
J11	JUNCTION	0.59	1.40	899.80	0 03:23	1.40
J110	JUNCTION	1.00	5.72	1019.72	0 03:09	5.72
J111	JUNCTION	2.11	11.38	1019.18	0 03:10	11.38
J112	JUNCTION	0.00	0.00	998.36	0 00:00	0.00
J113	JUNCTION	0.20	4.07	1041.31	0 03:08	4.07
J114	JUNCTION	0.00	0.00	891.30	0 00:00	0.00
J115	JUNCTION	0.00	0.00	892.11	0 00:00	0.00
J116	JUNCTION	0.00	0.00	894.30	0 00:00	0.00
J117	JUNCTION	1.14	3.78	885.87	0 03:10	3.75
J118	JUNCTION	0.37	1.08	891.87	0 03:06	1.08
J119	JUNCTION	0.56	1.35	891.98	0 03:06	1.35
J12	JUNCTION	0.42	1.20	897.14	0 03:11	1.19
J120	JUNCTION	0.22	0.85	892.32	0 03:06	0.85
J121	JUNCTION	0.01	0.19	892.32	0 03:06	0.19
J122	JUNCTION	0.15	0.54	894.45	0 03:06	0.54
J123	JUNCTION	0.00	0.00	893.13	0 00:00	0.00
J124	JUNCTION	0.00	0.00	893.48	0 00:00	0.00
J125	JUNCTION	0.22	0.83	882.48	0 03:06	0.83
J126	JUNCTION	0.36	1.52	879.14	0 03:06	1.52

J127	JUNCTION	0.00	0.00	884.30	0	00:00	0.00
J128	JUNCTION	0.00	0.00	882.80	0	00:00	0.00
J129	JUNCTION	0.22	0.82	877.87	0	03:06	0.82
J13	JUNCTION	0.69	2.17	862.53	0	03:23	2.16
J130	JUNCTION	0.31	1.23	864.10	0	03:06	1.23
J131	JUNCTION	0.22	0.84	862.50	0	03:06	0.84
J132	JUNCTION	0.40	1.61	993.51	0	03:09	1.61
J133	JUNCTION	0.35	1.57	985.36	0	03:09	1.57
J134	JUNCTION	2.13	2.40	1045.19	0	03:09	2.40
J135	JUNCTION	0.58	2.70	979.79	0	03:09	2.68
J136	JUNCTION	0.37	1.94	975.40	0	03:09	1.92
J137	JUNCTION	0.38	2.07	972.78	0	03:09	2.06
J138	JUNCTION	0.44	2.37	973.75	0	03:09	2.35
J139	JUNCTION	0.32	1.11	960.61	0	03:14	1.11
J14	JUNCTION	1.02	3.55	862.38	0	03:23	3.54
J140	JUNCTION	0.63	5.34	936.49	0	03:09	4.46
J141	JUNCTION	0.54	3.70	933.19	0	03:12	3.69
J142	JUNCTION	0.05	0.88	1047.84	0	03:09	0.87
J143	JUNCTION	0.34	1.66	1035.63	0	03:10	1.65
J144	JUNCTION	0.28	3.97	970.74	0	03:09	3.95
J145	JUNCTION	0.20	3.13	970.78	0	03:05	3.08
J146	JUNCTION	0.20	3.11	970.76	0	03:04	3.08
J147	JUNCTION	0.26	1.59	1047.84	0	03:09	1.58
J148	JUNCTION	0.77	1.31	930.39	0	03:09	1.30
J149	JUNCTION	0.06	1.87	1075.75	0	03:08	1.86
J15	JUNCTION	0.60	2.21	860.65	0	03:12	2.21
J150	JUNCTION	0.43	1.84	1047.84	0	03:09	1.83
J151	JUNCTION	0.50	1.19	997.69	0	03:38	1.19
J152	JUNCTION	0.20	3.02	985.60	0	03:03	2.77
J153	JUNCTION	1.46	6.06	985.38	0	03:03	6.02
J154	JUNCTION	0.44	1.72	978.53	0	03:09	1.70
J155	JUNCTION	0.45	1.98	979.14	0	03:09	1.96
J156	JUNCTION	0.28	1.45	980.09	0	03:09	1.43
J157	JUNCTION	0.32	1.60	982.37	0	03:09	1.58
J158	JUNCTION	1.36	2.66	983.46	0	03:09	2.65
J159	JUNCTION	0.33	1.67	1003.83	0	03:09	1.65
J16	JUNCTION	1.02	3.19	860.12	0	03:12	3.19
J160	JUNCTION	0.00	0.00	1029.71	0	00:00	0.00
J161	JUNCTION	0.00	0.00	1014.00	0	00:00	0.00
J162	JUNCTION	0.66	3.51	1007.49	0	03:09	3.51
J163	JUNCTION	0.00	0.00	1008.97	0	00:00	0.00
J164	JUNCTION	0.00	0.00	1009.11	0	00:00	0.00
J165	JUNCTION	0.00	0.00	1011.41	0	00:00	0.00
J166	JUNCTION	0.19	0.91	976.91	0	03:09	0.90
J167	JUNCTION	0.12	0.53	966.44	0	03:11	0.52
J168	JUNCTION	0.00	0.00	912.61	0	00:00	0.00
J169	JUNCTION	0.00	0.00	912.00	0	00:00	0.00
J17	JUNCTION	0.53	2.03	856.61	0	03:11	2.03
J170	JUNCTION	0.00	0.00	908.86	0	00:00	0.00
J171	JUNCTION	0.00	0.00	905.27	0	00:00	0.00
J172	JUNCTION	0.25	0.94	902.84	0	03:09	0.94
J173	JUNCTION	0.00	0.00	910.94	0	00:00	0.00
J174	JUNCTION	0.00	0.00	909.90	0	00:00	0.00
J175	JUNCTION	0.00	0.00	908.08	0	00:00	0.00
J176	JUNCTION	0.00	0.00	901.94	0	00:00	0.00
J177	JUNCTION	0.00	0.00	900.54	0	00:00	0.00
J178	JUNCTION	0.00	0.00	903.72	0	00:00	0.00

J179	JUNCTION	0.00	0.00	898.29	0	00:00	0.00
J18	JUNCTION	0.75	2.53	856.08	0	03:11	2.53
J180	JUNCTION	0.41	1.64	896.96	0	03:09	1.63
J181	JUNCTION	0.07	1.08	891.08	0	03:06	1.07
J182	JUNCTION	0.42	1.74	890.17	0	03:06	1.73
J183	JUNCTION	0.00	0.00	884.34	0	00:00	0.00
J184	JUNCTION	0.00	0.00	861.91	0	00:00	0.00
J185	JUNCTION	0.00	0.00	927.55	0	00:00	0.00
J186	JUNCTION	0.00	0.00	926.20	0	00:00	0.00
J187	JUNCTION	0.29	1.39	1013.18	0	03:09	1.38
J19	JUNCTION	0.67	1.82	850.23	0	03:35	1.82
J2	JUNCTION	1.00	2.63	863.84	0	03:23	2.62
J20	JUNCTION	0.89	1.89	847.21	0	03:34	1.89
J21	JUNCTION	0.90	2.30	865.89	0	03:23	2.29
J22	JUNCTION	1.11	3.73	867.71	0	03:23	3.71
J23	JUNCTION	1.32	3.90	867.76	0	03:23	3.87
J24	JUNCTION	1.24	3.41	868.24	0	03:22	3.38
J25	JUNCTION	1.06	2.96	868.80	0	03:22	2.94
J26	JUNCTION	0.62	1.88	869.84	0	03:22	1.86
J27	JUNCTION	0.91	2.07	873.61	0	03:22	2.05
J28	JUNCTION	0.48	4.01	947.22	0	03:06	4.01
J29	JUNCTION	0.87	6.30	932.99	0	03:12	6.30
J3	JUNCTION	0.60	1.75	854.90	0	03:15	1.75
J30	JUNCTION	0.90	4.18	926.20	0	03:10	4.17
J31	JUNCTION	1.82	6.51	926.13	0	03:13	6.51
J32	JUNCTION	1.33	5.83	925.10	0	03:21	5.83
J33	JUNCTION	1.04	6.47	924.21	0	03:22	6.46
J34	JUNCTION	1.00	4.53	903.75	0	03:22	4.42
J35	JUNCTION	0.63	2.11	910.65	0	03:22	2.05
J36	JUNCTION	0.62	1.63	899.34	0	03:22	1.62
J37	JUNCTION	0.33	0.97	897.90	0	03:22	0.97
J38	JUNCTION	0.77	2.70	889.83	0	03:23	2.68
J39	JUNCTION	0.66	1.60	887.27	0	03:23	1.59
J4	JUNCTION	1.11	3.99	858.41	0	03:16	3.99
J40	JUNCTION	0.32	1.23	904.79	0	03:09	1.23
J41	JUNCTION	4.44	6.02	900.47	0	03:09	6.02
J42	JUNCTION	0.48	1.33	899.60	0	03:09	1.32
J43	JUNCTION	0.34	1.43	896.57	0	03:06	1.42
J44	JUNCTION	0.36	1.69	891.08	0	03:06	1.68
J45	JUNCTION	0.74	2.14	889.49	0	03:07	2.13
J46	JUNCTION	0.57	2.88	1032.11	0	03:09	2.87
J47	JUNCTION	0.45	2.44	1031.47	0	03:09	2.43
J48	JUNCTION	0.48	2.32	1030.55	0	03:09	2.32
J49	JUNCTION	0.29	1.07	1028.25	0	03:09	1.06
J5	JUNCTION	0.44	1.55	855.40	0	03:16	1.55
J50	JUNCTION	0.36	1.48	1013.17	0	03:09	1.48
J51	JUNCTION	0.35	1.39	1006.71	0	03:09	1.38
J52	JUNCTION	0.37	1.72	998.41	0	03:09	1.70
J53	JUNCTION	0.12	3.75	1076.16	0	03:07	3.67
J54	JUNCTION	0.43	6.26	1076.98	0	03:07	6.01
J55	JUNCTION	0.74	10.44	1076.04	0	03:07	10.21
J56	JUNCTION	1.16	13.55	1064.15	0	03:09	13.55
J57	JUNCTION	0.41	1.93	1016.82	0	03:08	1.93
J58	JUNCTION	0.13	0.49	1046.24	0	03:09	0.49
J59	JUNCTION	0.61	6.68	1041.20	0	03:08	6.68
J6	JUNCTION	0.56	1.36	867.76	0	03:16	1.36
J60	JUNCTION	0.74	5.19	1026.69	0	03:07	5.19

J61	JUNCTION	0.97	4.85	1007.45	0	03:08	4.84
J62	JUNCTION	0.95	5.46	1007.24	0	03:08	5.46
J63	JUNCTION	0.35	1.18	997.03	0	03:08	1.18
J64	JUNCTION	1.02	5.21	992.01	0	03:09	5.16
J65	JUNCTION	0.61	1.87	988.41	0	03:10	1.85
J66	JUNCTION	1.06	4.64	983.50	0	03:10	4.63
J67	JUNCTION	0.51	2.09	984.46	0	03:10	2.04
J68	JUNCTION	0.84	6.07	983.04	0	03:09	6.05
J69	JUNCTION	0.86	6.04	982.41	0	03:11	6.04
J7	JUNCTION	2.55	6.08	881.46	0	03:16	6.07
J70	JUNCTION	1.31	8.29	981.70	0	03:11	8.29
J71	JUNCTION	0.10	0.43	970.09	0	03:10	0.42
J72	JUNCTION	0.00	0.00	1055.62	0	00:00	0.00
J74	JUNCTION	0.00	0.00	1052.29	0	00:00	0.00
J75	JUNCTION	0.00	0.00	1053.01	0	00:00	0.00
J76	JUNCTION	0.00	0.00	1053.68	0	00:00	0.00
J77	JUNCTION	1.34	5.74	1034.20	0	03:10	5.74
J78	JUNCTION	1.30	8.74	1030.18	0	03:09	8.74
J79	JUNCTION	0.99	6.79	1032.94	0	03:09	6.79
J8	JUNCTION	0.62	1.65	876.73	0	03:16	1.65
J80	JUNCTION	1.55	7.99	1022.54	0	03:09	7.99
J81	JUNCTION	0.70	4.67	1019.67	0	03:10	4.67
J82	JUNCTION	1.01	5.63	1019.63	0	03:10	5.63
J83	JUNCTION	0.18	0.78	1020.58	0	03:09	0.78
J84	JUNCTION	0.29	1.86	1019.91	0	03:09	1.86
J85	JUNCTION	0.47	2.02	990.27	0	03:10	2.01
J86	JUNCTION	0.34	1.36	988.53	0	03:10	1.35
J87	JUNCTION	0.41	1.26	987.67	0	03:10	1.26
J88	JUNCTION	0.38	1.16	986.80	0	03:10	1.15
J89	JUNCTION	0.67	4.73	986.25	0	03:03	4.33
J9	JUNCTION	2.29	5.79	881.45	0	03:15	5.79
J90	JUNCTION	1.42	5.60	985.85	0	03:03	5.59
J91	JUNCTION	1.14	3.26	1051.92	0	03:10	3.18
J92	JUNCTION	0.62	3.05	978.99	0	03:10	3.02
J93	JUNCTION	0.68	3.26	978.68	0	03:09	3.23
J94	JUNCTION	1.03	4.31	978.12	0	03:03	4.06
J95	JUNCTION	1.34	4.60	977.99	0	03:03	4.51
J96	JUNCTION	0.54	2.70	975.97	0	03:10	2.68
J97	JUNCTION	1.60	6.64	971.34	0	03:10	6.64
J98	JUNCTION	1.47	7.18	969.71	0	03:10	7.17
J99	JUNCTION	0.26	1.06	963.04	0	03:10	1.06
OF1	OUTFALL	0.88	1.89	844.93	0	03:35	1.89
J73	STORAGE	0.55	3.34	1051.92	0	03:10	3.26
SU1	STORAGE	0.63	1.54	949.64	0	03:23	1.54
SU2	STORAGE	0.03	0.62	891.08	0	03:06	0.61

****
Node Inflow Summary
****

		Maximum Lateral	Maximum Total	Time of Max		Lateral Inflow	Total Inflow	Flow Balance

Node	Type	Inflow CFS	Inflow CFS	Occurrence days	Occurrence hr:min	Volume 10^6 gal	Volume 10^6 gal	Error Percent
J1	JUNCTION	52.34	472.30	0	03:13	1.04	15.4	0.610
J10	JUNCTION	0.00	237.30	0	03:16	0	7.69	0.009
J100	JUNCTION	0.00	94.79	0	03:11	0	2.05	0.090
J101	JUNCTION	16.83	109.49	0	03:03	0.339	3.32	0.006
J102	JUNCTION	6.16	6.16	0	03:06	0.114	0.114	-0.185
J103	JUNCTION	0.00	3.20	0	03:06	0	0.0997	-0.000
J104	JUNCTION	0.00	3.20	0	03:06	0	0.0997	0.036
J105	JUNCTION	0.00	3.66	0	03:03	0	0.0996	-0.032
J106	JUNCTION	0.00	96.92	0	03:03	0	2.92	-0.006
J107	JUNCTION	0.00	2.94	0	03:06	0	0.0146	1.467
J108	JUNCTION	0.00	2.07	0	02:56	0	0.00507	0.047
J109	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J11	JUNCTION	14.15	135.58	0	03:23	0.277	4.66	0.016
J110	JUNCTION	0.00	46.86	0	03:09	0	1.93	-0.011
J111	JUNCTION	0.00	39.50	0	03:00	0	1.77	0.003
J112	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J113	JUNCTION	0.00	10.43	0	03:08	0	0.0461	-0.006
J114	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J115	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J116	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J117	JUNCTION	43.11	97.50	0	03:09	0.926	2.09	-0.003
J118	JUNCTION	0.00	11.40	0	03:06	0	0.238	-0.137
J119	JUNCTION	0.00	11.39	0	03:06	0	0.238	-0.012
J12	JUNCTION	49.63	137.65	0	03:11	0.981	3.03	-0.030
J120	JUNCTION	0.00	11.39	0	03:06	0	0.238	0.001
J121	JUNCTION	0.00	0.02	0	02:58	0	2.33e-05	0.132
J122	JUNCTION	11.39	11.39	0	03:06	0.238	0.238	-0.000

```
  J123                JUNCTION      0.00     0.00      0  00:00           0
0       0.000 gal
  J124                JUNCTION      0.00     0.00      0  00:00           0
0       0.000 gal
  J125                JUNCTION     23.16    23.16      0  03:06       0.485
0.485       0.000
  J126                JUNCTION      0.00    23.16      0  03:06           0
0.485      -0.000
  J127                JUNCTION      0.00     0.00      0  00:00           0
0       0.000 gal
  J128                JUNCTION      0.00     0.00      0  00:00           0
0       0.000 gal
  J129                JUNCTION      0.00    23.18      0  03:06           0
0.485       0.002
  J13                 JUNCTION      0.00   181.18      0  03:23           0
5.96        0.000
  J130                JUNCTION      0.00    23.17      0  03:06           0
0.485      -0.001
  J131                JUNCTION      0.00    23.20      0  03:06           0
0.485      -0.002
  J132                JUNCTION     19.92    76.18      0  03:09       0.404
1.58       -0.000
  J133                JUNCTION     16.33    92.30      0  03:09        0.33
1.91       -0.000
  J134                JUNCTION      0.00    34.98      0  03:09           0
0.899       0.181
  J135                JUNCTION      0.00    92.33      0  03:09           0
1.91        0.000
  J136                JUNCTION      0.00    92.32      0  03:09           0
1.91       -0.000
  J137                JUNCTION      0.00    92.34      0  03:09           0
1.91        0.000
  J138                JUNCTION      0.00    92.34      0  03:09           0
1.91       -0.000
  J139                JUNCTION      0.00    92.41      0  03:09           0
1.91       -0.035
  J14                 JUNCTION      0.00   181.18      0  03:23           0
5.96        0.000
  J140                JUNCTION      0.00    34.03      0  03:14           0
0.743      -0.043
  J141                JUNCTION      0.00    34.03      0  03:14           0
0.743       0.055
  J142                JUNCTION      0.00     0.06      0  03:15           0
0.000103       0.019
  J143                JUNCTION      0.00    78.01      0  03:09           0
1.66        0.000
  J144                JUNCTION      0.00     4.06      0  02:59           0
0.00177        0.237
  J145                JUNCTION      0.00     0.88      0  03:04           0
0.000547       1.349
  J146                JUNCTION      0.00     2.93      0  03:04           0
0.00213      -0.306
  J147                JUNCTION      0.00     0.03      0  03:15           0
0.000157       -0.412
  J148                JUNCTION      0.00    28.08      0  03:09           0
0.125      -0.204
  J149                JUNCTION      0.00     9.18      0  03:07           0
0.0251      -0.329
  J15                 JUNCTION      0.00   194.46      0  03:12           0
6.44        0.000
```

J150	JUNCTION	16.78	78.01	0	03:09	0.331	1.66
0.000							
J151	JUNCTION	0.00	35.09	0	03:38	0	1.76
0.001							
J152	JUNCTION	0.00	7.13	0	03:28	0	0.00911
0.865							
J153	JUNCTION	0.00	114.24	0	03:03	0	2.83
-0.064							
J154	JUNCTION	0.00	29.63	0	03:09	0	0.627
-0.000							
J155	JUNCTION	0.00	29.63	0	03:09	0	0.627
0.000							
J156	JUNCTION	0.00	29.63	0	03:09	0	0.627
-0.000							
J157	JUNCTION	0.00	29.62	0	03:09	0	0.627
0.000							
J158	JUNCTION	0.00	29.63	0	03:09	0	0.627
0.014							
J159	JUNCTION	0.00	29.78	0	03:09	0	0.627
0.000							
J16	JUNCTION	0.00	194.45	0	03:12	0	6.44
0.001							
J160	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J161	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J162	JUNCTION	29.83	29.83	0	03:09	0.627	0.627
0.000							
J163	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J164	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J165	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J166	JUNCTION	0.00	29.63	0	03:09	0	0.627
0.001							
J167	JUNCTION	0.00	95.15	0	03:10	0	2.05
-0.011							
J168	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J169	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J17	JUNCTION	11.10	203.02	0	03:11	0.214	6.65
-0.000							
J170	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J171	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J172	JUNCTION	0.00	29.32	0	03:09	0	0.601
0.001							
J173	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J174	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J175	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J176	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J177	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							

J178	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J179	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J18	JUNCTION	0.00	203.05	0	03:11	0	6.65
-0.002							
J180	JUNCTION	0.00	29.30	0	03:09	0	0.601
0.000							
J181	JUNCTION	0.00	0.45	0	03:02	0	0.0019
-0.004							
J182	JUNCTION	0.00	43.84	0	03:06	0	0.92
-0.000							
J183	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J184	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J185	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J186	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J187	JUNCTION	0.00	0.02	0	02:57	0	0.000109
-2.745							
J19	JUNCTION	0.00	362.21	0	03:24	0	15.3
0.462							
J2	JUNCTION	0.00	181.17	0	03:23	0	5.96
-0.001							
J20	JUNCTION	0.00	309.15	0	03:35	0	15.2
0.003							
J21	JUNCTION	0.00	181.16	0	03:23	0	5.96
0.015							
J22	JUNCTION	0.00	181.17	0	03:23	0	5.96
-0.013							
J23	JUNCTION	0.00	181.27	0	03:22	0	5.96
0.001							
J24	JUNCTION	0.00	181.39	0	03:22	0	5.96
0.000							
J25	JUNCTION	0.00	181.43	0	03:22	0	5.96
0.000							
J26	JUNCTION	0.00	181.41	0	03:22	0	5.96
0.000							
J27	JUNCTION	0.00	181.60	0	03:22	0	5.96
0.017							
J28	JUNCTION	86.94	86.94	0	03:06	1.78	1.78
0.045							
J29	JUNCTION	0.00	81.35	0	03:05	0	2.4
-0.004							
J3	JUNCTION	0.00	237.22	0	03:16	0	7.69
0.004							
J30	JUNCTION	0.00	107.48	0	03:09	0	2.52
-0.026							
J31	JUNCTION	0.00	106.55	0	03:10	0	2.52
0.045							
J32	JUNCTION	0.00	152.53	0	03:10	0	3.69
1.764							
J33	JUNCTION	0.00	115.96	0	03:21	0	3.62
-0.003							
J34	JUNCTION	4.90	117.46	0	03:22	0.104	3.73
-0.008							
J35	JUNCTION	0.00	115.95	0	03:22	0	3.62
-0.001							

J36		JUNCTION	0.00	117.39	0	03:22	0
3.73	0.000						
J37		JUNCTION	0.00	117.39	0	03:22	0
3.73	0.000						
J38		JUNCTION	7.25	119.81	0	03:22	0.143
3.87	-0.000						
J39		JUNCTION	0.00	119.71	0	03:23	0
3.87	0.003						
J4		JUNCTION	0.00	237.28	0	03:16	0
7.69	0.003						
J40		JUNCTION	29.33	29.33	0	03:09	0.601
0.601	-0.000						
J41		JUNCTION	0.00	29.32	0	03:09	0
0.601	0.065						
J42		JUNCTION	0.00	29.30	0	03:09	0
0.601	0.006						
J43		JUNCTION	15.84	43.86	0	03:06	0.32
0.92	-0.000						
J44		JUNCTION	0.00	43.86	0	03:06	0
0.921	-0.000						
J45		JUNCTION	0.00	43.84	0	03:06	0
0.92	-0.053						
J46		JUNCTION	43.38	43.38	0	03:09	0.904
0.904	0.000						
J47		JUNCTION	0.00	43.36	0	03:09	0
0.904	-0.000						
J48		JUNCTION	0.00	43.33	0	03:09	0
0.904	-0.000						
J49		JUNCTION	0.00	43.34	0	03:09	0
0.904	-0.000						
J5		JUNCTION	0.00	237.21	0	03:16	0
7.69	0.001						
J50		JUNCTION	13.45	56.65	0	03:09	0.272
1.18	-0.004						
J51		JUNCTION	0.00	56.65	0	03:09	0
1.18	0.008						
J52		JUNCTION	0.00	56.69	0	03:09	0
1.18	-0.001						
J53		JUNCTION	0.00	9.22	0	03:07	0
0.0272	-0.113						
J54		JUNCTION	29.88	29.88	0	03:09	0.59
0.592	-0.021						
J55		JUNCTION	17.78	40.42	0	03:03	0.331
0.898	0.002						
J56		JUNCTION	0.00	36.57	0	03:04	0
0.898	-0.113						
J57		JUNCTION	0.00	58.09	0	03:08	0
1.23	-0.017						
J58		JUNCTION	0.00	34.98	0	03:09	0
0.899	0.001						
J59		JUNCTION	0.00	43.91	0	03:08	0
0.921	-0.014						
J6		JUNCTION	0.00	237.30	0	03:16	0
7.69	0.008						
J60		JUNCTION	16.14	58.10	0	03:07	0.308
1.23	0.047						
J61		JUNCTION	0.00	58.09	0	03:08	0
1.23	-0.005						
J62		JUNCTION	0.00	58.16	0	03:08	0
1.23	0.001						

J63		JUNCTION	0.00	58.15	0	03:08	0
1.23	-0.006						
J64		JUNCTION	9.85	67.97	0	03:08	0.195
1.42	0.040						
J65		JUNCTION	0.00	65.92	0	03:10	0
1.42	-0.009						
J66		JUNCTION	0.00	65.79	0	03:10	0
1.42	-0.004						
J67		JUNCTION	0.00	65.91	0	03:10	0
1.42	-0.000						
J68		JUNCTION	0.00	44.35	0	03:00	0
1.21	0.014						
J69		JUNCTION	0.00	44.35	0	03:00	0
1.21	-0.001						
J7		JUNCTION	0.00	237.37	0	03:16	0
7.69	0.145						
J70		JUNCTION	0.00	44.35	0	03:00	0
1.21	-0.014						
J71		JUNCTION	0.00	65.64	0	03:10	0
1.42	-0.000						
J72		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J74		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J75		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J76		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J77		JUNCTION	5.21	82.99	0	03:09	0.103
1.77	0.026						
J78		JUNCTION	0.00	49.86	0	02:58	0
1.8	-0.006						
J79		JUNCTION	22.27	52.46	0	02:59	0.442
1.8	-0.024						
J8		JUNCTION	0.00	271.67	0	03:16	0
7.68	-0.137						
J80		JUNCTION	0.00	46.88	0	03:09	0
1.8	-0.015						
J81		JUNCTION	0.00	67.59	0	03:10	0
0.658	-0.007						
J82		JUNCTION	0.00	79.69	0	03:10	0
0.829	-0.026						
J83		JUNCTION	12.44	12.44	0	03:09	0.248
0.248	0.015						
J84		JUNCTION	0.00	12.44	0	03:09	0
0.248	-0.017						
J85		JUNCTION	30.46	141.46	0	03:09	0.587
3.04	0.003						
J86		JUNCTION	0.00	125.20	0	03:10	0
2.98	-0.001						
J87		JUNCTION	0.00	140.50	0	03:10	0
3.04	0.000						
J88		JUNCTION	0.00	140.50	0	03:10	0
3.04	-0.000						
J89		JUNCTION	0.00	140.50	0	03:10	0
3.04	0.010						
J9		JUNCTION	0.00	237.29	0	03:16	0
7.69	0.005						
J90		JUNCTION	0.00	187.68	0	03:24	0
3.04	-0.949						

```
  J91                 JUNCTION      0.00     0.50      0  03:01           0
0.000608      21.132
  J92                 JUNCTION     17.81   158.16      0  03:10       0.351
3.52       -0.000
  J93                 JUNCTION      0.00   158.18      0  03:10           0
3.52       -0.000
  J94                 JUNCTION      0.00   158.44      0  03:10           0
3.52        0.001
  J95                 JUNCTION      0.00   158.59      0  03:10           0
3.52       -0.005
  J96                 JUNCTION      0.00   166.80      0  03:06           0
3.52       -0.002
  J97                 JUNCTION      0.00   158.16      0  03:10           0
3.52        0.011
  J98                 JUNCTION      9.69   184.51      0  03:10       0.187
4.06       -0.000
  J99                 JUNCTION      0.00   184.52      0  03:10           0
4.06       -0.093
  OF1                 OUTFALL       0.00   309.15      0  03:35           0
15.2        0.000
  J73                 STORAGE      66.25    66.25      0  03:09        1.33
1.33        0.002
  SU1                 STORAGE      26.63   209.02      0  03:10       0.526
4.59        0.265
  SU2                 STORAGE       0.00     0.44      0  03:02           0
0.000901       0.041


  **********************
  Node Surcharge Summary
  **********************

  Surcharging occurs when water rises above the top of the highest conduit.
  -------------------------------------------------------------------------
                                        Max. Height   Min. Depth
                                 Hours  Above Crown    Below Rim
  Node                 Type  Surcharged        Feet         Feet
  -------------------------------------------------------------------------
  J101                 JUNCTION        0.52          3.558        0.000
  J105                 JUNCTION        0.12          2.100        0.000
  J108                 JUNCTION        1.04          9.932        0.000
  J110                 JUNCTION        0.78          3.222        0.000
  J111                 JUNCTION        0.96          8.881        0.000
  J140                 JUNCTION        0.17          2.130        0.000
  J144                 JUNCTION        0.46          2.725        0.000
  J145                 JUNCTION        0.42          1.882        0.000
  J146                 JUNCTION        0.42          1.858        0.000
  J147                 JUNCTION        0.12          0.092        1.968
  J152                 JUNCTION        0.43          1.765        0.000
  J153                 JUNCTION        0.53          2.554        0.000
  J187                 JUNCTION        0.33          0.387        1.613
  J29                  JUNCTION        0.38          2.478        0.000
  J53                  JUNCTION        0.21          2.246        0.000
  J54                  JUNCTION        0.25          4.262        0.000
  J55                  JUNCTION        0.32          8.138        0.000
  J56                  JUNCTION        0.49         11.301        0.000
  J68                  JUNCTION        0.54          3.273        0.747
  J69                  JUNCTION        0.55          3.539        0.000
```

J70	JUNCTION	0.64	5.645	0.000
J78	JUNCTION	0.64	6.090	0.000
J79	JUNCTION	0.62	4.190	0.000
J80	JUNCTION	0.81	5.342	0.000
J84	JUNCTION	0.21	0.140	2.890
J91	JUNCTION	0.11	0.594	1.336
J73	STORAGE	0.06	0.194	2.756

****
Node Flooding Summary
****

Flooding refers to all water that overflows a node, whether it ponds or not.

Node	Hours Flooded	Maximum Rate CFS	Time of Max Occurrence days hr:min	Total Flood Volume 10^6 gal	Maximum Ponded Depth Feet
J101	0.41	5.59	0 03:03	0.002	1.458
J108	0.94	2.07	0 02:56	0.005	5.982
J110	0.66	5.08	0 03:00	0.001	0.722
J111	0.95	5.37	0 02:56	0.013	6.081
J144	0.40	3.61	0 03:03	0.002	1.245
J145	0.18	0.88	0 03:04	0.000	0.132
J146	0.32	2.92	0 03:04	0.001	0.678
J152	0.40	7.04	0 03:03	0.003	0.715
J153	0.42	28.05	0 03:03	0.012	0.940
J29	0.35	3.51	0 03:00	0.003	1.828
J53	0.19	3.32	0 03:04	0.001	1.146
J54	0.24	4.62	0 03:02	0.004	3.762
J55	0.32	5.39	0 03:01	0.010	7.388
J56	0.49	7.35	0 02:59	0.022	10.351
J69	0.42	0.50	0 03:02	0.000	0.189
J70	0.64	15.75	0 03:00	0.009	5.175
J78	0.64	6.38	0 02:58	0.007	4.490
J79	0.61	3.73	0 02:59	0.004	3.240
J80	0.63	4.11	0 02:59	0.004	2.092

****
Storage Volume Summary
****

Storage Unit	Average Volume 1000 ft3	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 ft3	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CFS
J73	0.545	9	0	0	3.344	55	0 03:10	62.48

SU1	78.026	7	0	0	191.590	18	0	03:23
128.67								
SU2	0.005	1	0	0	0.120	13	0	03:06
0.23								

****
Outfall Loading Summary
****

Outfall Node	Flow Freq Pcnt	Avg Flow CFS	Max Flow CFS	Total Volume 10^6 gal
OF1	92.95	93.45	309.15	15.222
System	92.95	93.45	309.15	15.222

****
Link Flow Summary
****

Link	Type	Maximum |Flow| CFS	Time of Max Occurrence days	hr:min	Maximum |Veloc| ft/sec	Max/ Full Flow	Max/ Full Depth
5	CONDUIT	26.67	0	03:22	7.83	0.05	0.17
C1	CHANNEL	309.15	0	03:35	10.84	0.04	0.19
C10	CHANNEL	194.44	0	03:12	12.04	0.30	0.41
C100	CONDUIT	11.40	0	03:06	4.81	0.29	0.49
C101	CHANNEL	11.33	0	03:06	1.44	0.01	0.27
C102	CONDUIT	11.39	0	03:06	6.67	0.21	0.38
C103	CONDUIT	11.39	0	03:06	15.69	0.28	0.43
C104	CONDUIT	0.02	0	03:09	0.14	0.00	0.16
C105	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C106	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C107	CHANNEL	119.69	0	03:23	7.48	0.15	0.46
C108	CONDUIT	23.16	0	03:06	12.77	0.36	0.56
C109	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C110	CONDUIT	0.00	0	00:00	0.00	0.00	0.40
C111	CONDUIT	23.18	0	03:06	9.07	0.92	0.76
C112	CONDUIT	23.17	0	03:06	14.90	0.35	0.50
C113	CONDUIT	23.20	0	03:06	11.40	0.70	0.62
C114	CONDUIT	23.20	0	03:06	9.84	0.37	0.71
C115	CONDUIT	43.30	0	03:09	15.17	0.27	0.42
C116	CONDUIT	40.80	0	03:13	7.97	0.10	0.35
C116_2	CONDUIT	56.12	0	03:10	3.18	0.27	0.44
C117	CONDUIT	51.79	0	03:08	3.34	0.23	0.57
C118	CONDUIT	56.68	0	03:09	14.07	0.35	0.56
C119	CONDUIT	92.33	0	03:09	15.06	0.28	0.61
C12	CONDUIT	362.21	0	03:24	0.60	0.26	0.73
C120	CONDUIT	92.32	0	03:09	13.34	0.64	0.68
C121	CHANNEL	2.94	0	03:06	4.69	0.06	0.47
C122	CONDUIT	92.41	0	03:09	17.39	0.39	0.39

C122_1	CONDUIT	92.34	0	03:09	10.62	0.50	0.72
C122_2	CONDUIT	92.34	0	03:09	10.34	0.50	0.74
C123	CONDUIT	34.03	0	03:14	12.54	0.41	0.72
C124	CONDUIT	34.03	0	03:14	6.93	1.11	1.00
C125	CONDUIT	30.34	0	03:21	9.31	0.50	1.00
C126	CONDUIT	0.04	0	03:16	0.06	0.00	1.00
C127	CONDUIT	0.06	0	03:15	0.08	0.01	0.94
C127_1	CONDUIT	62.48	0	03:10	14.03	1.13	0.87
C127_2	CONDUIT	78.01	0	03:09	21.23	0.71	0.70
C128	CONDUIT	12.14	0	03:09	5.54	1.35	1.00
C128_1	CONDUIT	18.87	0	03:12	3.78	0.10	0.26
C128_2	CONDUIT	27.50	0	03:09	1.80	0.04	0.37
C128_3	CONDUIT	46.86	0	03:09	9.73	2.15	1.00
C128_4	CONDUIT	35.09	0	03:38	13.50	1.26	0.80
C128_5	CONDUIT	39.50	0	03:00	10.92	0.34	1.00
C128_7	CONDUIT	35.13	0	03:01	17.26	0.37	0.61
C129	CHANNEL	47.44	0	03:03	5.20	0.98	1.00
C13	CONDUIT	203.05	0	03:11	11.51	0.35	0.53
C130	CONDUIT	0.00	0	00:00	0.00	0.00	0.08
C130_1	CONDUIT	28.49	0	03:10	1.19	0.27	1.00
C131	CONDUIT	9.18	0	03:07	5.20	0.37	1.00
C132	CONDUIT	9.58	0	03:08	3.99	0.06	0.24
C132_1	CONDUIT	9.05	0	03:08	7.54	0.11	0.24
C133	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C134	CONDUIT	6.15	0	03:08	5.31	0.31	0.72
C135	CONDUIT	22.47	0	03:09	3.81	0.28	0.49
C136	CONDUIT	33.59	0	03:09	5.35	0.09	0.23
C137	CONDUIT	4.06	0	02:59	3.49	0.30	1.00
C138	CONDUIT	22.96	0	03:08	4.43	0.10	0.49
C139	CONDUIT	29.63	0	03:09	7.61	0.68	0.74
C14	CHANNEL	203.14	0	03:11	16.17	0.26	0.37
C140	CONDUIT	34.27	0	03:08	8.59	0.16	0.35
C141	CONDUIT	2.40	0	03:10	1.21	0.14	0.09
C142	CONDUIT	31.99	0	03:10	7.61	0.17	0.37
C143	CONDUIT	19.51	0	03:09	2.39	0.87	0.20
C144	CONDUIT	29.63	0	03:09	8.25	0.25	0.69
C145	CONDUIT	3.04	0	02:55	9.61	6.38	1.00
C147	CONDUIT	29.63	0	03:09	6.49	0.56	0.61
C148	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C149	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C15	CHANNEL	181.18	0	03:23	7.78	0.17	0.62
C150	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C151	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C152	CONDUIT	10.90	0	02:59	14.21	1.20	1.00
C153	CONDUIT	29.63	0	03:09	4.74	0.59	0.83
C154	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C155	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C156	CONDUIT	39.61	0	03:10	9.43	0.12	0.28
C157	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C158	CONDUIT	29.63	0	03:09	11.32	0.65	0.53
C159	CONDUIT	62.81	0	03:10	2.77	0.03	0.56
C16	CHANNEL	181.18	0	03:23	9.07	0.14	0.38
C160	CONDUIT	29.64	0	03:10	10.34	0.23	0.29
C160_3	CONDUIT	79.65	0	03:10	9.93	0.06	0.23
C161	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C162	CONDUIT	0.00	0	00:00	0.00	0.00	0.24
C163	CONDUIT	4.36	0	03:08	2.44	0.05	0.18

C164	CONDUIT	27.26	0	03:09	3.18	1.96	0.42
C165	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C166	CONDUIT	13.14	0	03:03	3.71	0.02	0.13
C167	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C168	CONDUIT	15.32	0	03:10	1.74	0.13	0.22
C169	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C169_2	CONDUIT	76.04	0	03:03	9.91	0.01	0.08
C169_3	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C169_4	CONDUIT	0.00	0	00:00	0.00	0.00	0.04
C17	CHANNEL	181.17	0	03:23	8.81	0.19	0.43
C170	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C170_4	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C170_6	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C171	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C172	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C173	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C174	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C175	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C176	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C177	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C178	CONDUIT	0.00	0	00:00	0.00	0.00	0.44
C179	CONDUIT	0.00	0	00:00	0.00	0.00	0.44
C18	CONDUIT	181.16	0	03:23	6.73	0.69	0.75
C180	CONDUIT	0.00	0	00:00	0.00	0.00	0.18
C181	CONDUIT	29.29	0	03:09	7.43	0.58	0.55
C182	CONDUIT	0.44	0	03:02	1.65	0.31	0.97
C183	CONDUIT	0.45	0	03:02	0.41	0.03	0.93
C184	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C185	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C186	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C187	CONDUIT	0.02	0	02:57	0.10	0.00	1.00
C188	CONDUIT	0.50	0	03:01	0.67	0.05	1.00
C19	CHANNEL	181.17	0	03:23	3.83	0.09	0.45
C2	CHANNEL	237.33	0	03:16	11.76	0.12	0.31
C20	CHANNEL	181.27	0	03:22	6.64	0.04	0.33
C21	CHANNEL	181.39	0	03:22	6.73	0.10	0.40
C22	CHANNEL	181.43	0	03:22	6.96	0.16	0.46
C23	CHANNEL	181.41	0	03:22	11.19	0.12	0.39
C24	CONDUIT	69.04	0	03:01	24.83	0.71	1.00
C25	CONDUIT	80.14	0	03:12	16.33	1.01	1.00
C26	CHANNEL	78.06	0	03:10	1.93	0.17	1.00
C27	CONDUIT	79.15	0	03:03	16.12	1.47	1.00
C28	CONDUIT	75.86	0	03:11	15.79	0.99	1.00
C29	CONDUIT	117.39	0	03:22	15.54	0.59	0.73
C29_1	CONDUIT	89.29	0	03:22	19.85	1.06	0.92
C29_2	CONDUIT	115.90	0	03:22	14.02	0.56	0.80
C3	CHANNEL	237.28	0	03:16	4.76	0.10	0.59
C3_1	CONDUIT	237.21	0	03:16	7.78	0.22	0.55
C3_2	CONDUIT	237.22	0	03:16	13.10	0.17	0.27
C30	CHANNEL	117.39	0	03:22	8.34	0.17	0.32
C31	CHANNEL	117.38	0	03:22	4.97	0.03	0.28
C32	CONDUIT	119.71	0	03:23	5.58	0.24	0.54
C33	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C33_1	CONDUIT	29.32	0	03:09	12.22	0.49	0.49
C33_2	CONDUIT	29.32	0	03:09	8.80	0.21	0.48
C34	CONDUIT	29.30	0	03:09	6.47	1.12	0.61
C35	CONDUIT	29.30	0	03:09	9.57	0.31	0.45

C36	CONDUIT	43.86	0	03:06	14.96	0.32	0.43
C37	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C37_1	CONDUIT	43.84	0	03:06	10.49	0.29	0.57
C37_2	CONDUIT	43.84	0	03:06	9.09	0.54	0.65
C38	CONDUIT	43.36	0	03:09	6.60	0.78	0.88
C39	CONDUIT	43.33	0	03:09	8.99	0.60	0.95
C4	CONDUIT	237.37	0	03:16	4.54	0.20	0.54
C4_1	CHANNEL	271.67	0	03:16	23.99	0.35	0.39
C4_2	CHANNEL	237.30	0	03:16	12.56	0.08	0.27
C40	CONDUIT	43.34	0	03:09	12.26	0.65	0.68
C41	CONDUIT	56.65	0	03:09	17.42	0.39	0.47
C42	CONDUIT	56.69	0	03:09	15.76	0.39	0.51
C43	CONDUIT	9.22	0	03:07	5.22	0.45	1.00
C44	CONDUIT	24.54	0	03:14	14.06	0.42	1.00
C45	CONDUIT	36.57	0	03:04	12.20	0.87	1.00
C46	CONDUIT	76.16	0	03:09	17.93	0.33	0.45
C46_1	CONDUIT	12.51	0	03:09	3.53	0.30	0.75
C46_2	CHANNEL	1.39	0	03:09	3.40	0.02	0.33
C47	CONDUIT	34.98	0	03:09	14.03	1.52	0.66
C48	CONDUIT	34.31	0	03:10	15.66	0.96	1.00
C49	CONDUIT	18.72	0	02:51	10.60	1.07	1.00
C5	CHANNEL	237.29	0	03:16	4.89	0.05	0.49
C50	CONDUIT	23.88	0	03:08	14.67	1.00	0.89
C51	CHANNEL	58.12	0	03:08	4.91	0.28	0.77
C52	CONDUIT	63.52	0	03:09	10.34	1.08	0.81
C53	CONDUIT	44.35	0	03:00	9.03	0.34	1.00
C53_1	CHANNEL	65.91	0	03:10	7.76	0.18	0.50
C53_2	CHANNEL	65.79	0	03:10	5.27	0.41	0.87
C54	CONDUIT	44.35	0	03:00	7.04	0.94	1.00
C55	CONDUIT	44.35	0	03:00	9.04	0.66	1.00
C56	CONDUIT	33.65	0	03:10	17.48	1.40	0.61
C57	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C58	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C59	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C6	CHANNEL	135.56	0	03:23	12.70	0.14	0.39
C60	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C61	CONDUIT	37.97	0	02:59	7.73	1.06	1.00
C62	CONDUIT	49.86	0	02:58	12.18	0.71	1.00
C63	CONDUIT	46.88	0	03:09	9.55	1.00	1.00
C64	CONDUIT	8.73	0	03:00	4.68	0.36	1.00
C65	CONDUIT	12.44	0	03:09	12.63	0.36	0.73
C66	CONDUIT	12.44	0	03:09	12.78	0.31	1.00
C67	CHANNEL	125.20	0	03:10	9.45	0.51	0.52
C68	CHANNEL	125.20	0	03:10	12.65	0.23	0.37
C69	CHANNEL	140.50	0	03:10	13.56	0.16	0.36
C7	CHANNEL	137.61	0	03:11	8.70	0.07	0.36
C70	CHANNEL	140.50	0	03:10	7.13	0.13	0.67
C71	CHANNEL	187.68	0	03:24	7.16	0.26	1.00
C72	CONDUIT	7.87	0	03:29	7.32	0.50	1.00
C72_1	CONDUIT	113.98	0	03:03	11.85	0.57	1.00
C72_2	CONDUIT	93.66	0	03:03	10.11	0.51	0.98
C73	CONDUIT	3.66	0	03:03	5.68	0.39	0.72
C73_2	CONDUIT	101.44	0	03:03	12.73	0.66	0.91
C74	CHANNEL	158.18	0	03:10	12.22	0.44	0.73
C75	CHANNEL	158.44	0	03:10	9.58	0.39	0.84
C76	CHANNEL	158.59	0	03:10	8.24	0.48	0.96
C77	CONDUIT	116.92	0	03:07	11.69	2.19	1.00

C78	CHANNEL	158.16	0	03:10	9.10	0.39	0.86
C79	CONDUIT	144.98	0	03:10	21.83	0.76	0.65
C8	CONDUIT	181.16	0	03:23	6.32	0.77	0.64
C80	CHANNEL	128.67	0	03:23	11.72	0.17	0.39
C80_2	CHANNEL	93.86	0	03:12	7.20	0.06	0.32
C80_3	CONDUIT	65.64	0	03:10	12.09	0.03	0.16
C80_4	CONDUIT	94.79	0	03:11	8.93	0.04	0.28
C81	CONDUIT	184.23	0	03:10	12.96	0.14	0.41
C82	CONDUIT	3.20	0	03:06	7.78	0.73	0.56
C82_1	CONDUIT	99.88	0	03:25	10.38	0.55	1.00
C82_2	CONDUIT	106.67	0	03:24	11.09	0.79	1.00
C83	CONDUIT	3.73	0	03:03	3.38	0.25	1.00
C85	CONDUIT	27.00	0	03:08	9.02	0.13	0.29
C85_1	CONDUIT	47.37	0	03:10	4.76	0.02	0.08
C86	CONDUIT	20.44	0	03:06	8.68	0.07	0.25
C87	CONDUIT	2.07	0	02:56	1.69	0.34	1.00
C88	CONDUIT	77.77	0	03:21	7.91	0.30	0.48
C89	CONDUIT	1.22	0	03:05	1.36	3.90	1.00
C9	CHANNEL	194.45	0	03:12	11.43	0.10	0.42
C90	CONDUIT	2.93	0	03:04	2.39	0.21	1.00
C91	CONDUIT	78.00	0	03:10	6.49	0.34	0.72
C92	CHANNEL	2.30	0	03:09	3.16	0.05	0.46
C93	CONDUIT	6.24	0	03:06	2.85	0.15	1.00
C94	CONDUIT	88.88	0	03:10	7.88	0.02	0.09
C95	CONDUIT	31.10	0	03:07	17.60	1.03	1.00
C96	CONDUIT	30.09	0	02:57	17.33	0.80	1.00
C97	CHANNEL	0.00	0	00:00	0.00	0.00	0.21
C97_1	CHANNEL	43.75	0	03:07	1.79	0.05	0.33
C97_2	CHANNEL	95.43	0	03:10	3.81	0.12	0.32
C98	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C99	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C11	WEIR	309.15	0	03:35			0.61
C84	WEIR	3.20	0	03:06			0.08

****
Flow Classification Summary
****

Conduit	Adjusted /Actual Length	Fraction of Time in Flow Class: Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
5	1.00	0.97	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00
C1	1.00	0.06	0.00	0.00	0.02	0.92	0.00	0.00	0.41	0.00
C10	1.00	0.02	0.00	0.00	0.17	0.81	0.00	0.00	0.09	0.00
C100	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
C101	1.00	0.01	0.00	0.00	0.98	0.01	0.00	0.00	0.91	

C102	1.00	0.01	0.00	0.00	0.00	0.73	0.00	0.26	0.33
0.00									
C103	1.00	0.01	0.00	0.00	0.00	0.17	0.00	0.82	0.08
0.00									
C104	1.00	0.87	0.05	0.00	0.08	0.00	0.00	0.00	0.73
0.00									
C105	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C106	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C107	1.00	0.01	0.00	0.00	0.77	0.22	0.00	0.00	0.93
0.00									
C108	1.00	0.01	0.00	0.00	0.00	0.66	0.00	0.32	0.34
0.00									
C109	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C110	1.00	0.42	0.58	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C111	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00
0.00									
C112	1.00	0.02	0.00	0.00	0.00	0.66	0.00	0.33	0.33
0.00									
C113	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00
0.00									
C114	1.00	0.02	0.19	0.00	0.22	0.57	0.00	0.00	0.90
0.00									
C115	1.00	0.04	0.00	0.00	0.19	0.76	0.00	0.00	0.87
0.00									
C116	1.00	0.91	0.02	0.00	0.02	0.02	0.00	0.03	0.73
0.00									
C116_2	1.00	0.90	0.00	0.00	0.00	0.00	0.00	0.10	0.00
0.00									
C117	1.00	0.88	0.01	0.00	0.00	0.00	0.11	0.00	0.00
0.00									
C118	1.00	0.04	0.00	0.00	0.19	0.77	0.00	0.00	0.52
0.00									
C119	1.00	0.04	0.18	0.00	0.01	0.76	0.00	0.00	0.78
0.00									
C12	1.00	0.03	0.03	0.00	0.95	0.00	0.00	0.00	0.00
0.00									
C120	1.00	0.04	0.00	0.00	0.00	0.00	0.00	0.96	0.00
0.00									
C121	1.00	0.22	0.71	0.00	0.02	0.05	0.00	0.00	0.74
0.00									
C122	1.00	0.05	0.13	0.00	0.11	0.71	0.00	0.00	0.73
0.00									
C122_1	1.00	0.23	0.00	0.00	0.01	0.76	0.00	0.00	0.53
0.00									
C122_2	1.00	0.17	0.05	0.00	0.01	0.77	0.00	0.00	0.45
0.00									
C123	1.00	0.05	0.00	0.00	0.00	0.06	0.00	0.89	0.03
0.00									
C124	1.00	0.05	0.00	0.00	0.06	0.00	0.00	0.88	0.00
0.00									
C125	1.00	0.05	0.00	0.00	0.07	0.01	0.00	0.87	0.00
0.00									
C126	1.00	0.06	0.26	0.00	0.68	0.00	0.00	0.00	0.49
0.00									
C127	1.00	0.06	0.80	0.00	0.14	0.00	0.00	0.00	0.71
0.00									

C127_1	1.00	0.06	0.00	0.00	0.08	0.85	0.00	0.00	0.02
0.00									
C127_2	1.00	0.06	0.00	0.00	0.00	0.94	0.00	0.00	0.00
0.00									
C128	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.05
0.00									
C128_1	1.00	0.33	0.63	0.00	0.02	0.02	0.00	0.00	0.74
0.00									
C128_2	1.00	0.33	0.00	0.00	0.11	0.00	0.00	0.56	0.05
0.00									
C128_3	1.00	0.06	0.00	0.00	0.33	0.62	0.00	0.00	0.00
0.00									
C128_4	1.00	0.06	0.00	0.00	0.01	0.93	0.00	0.00	0.00
0.00									
C128_5	1.00	0.06	0.00	0.00	0.24	0.70	0.00	0.00	0.78
0.00									
C128_7	1.00	0.05	0.01	0.00	0.01	0.93	0.00	0.00	0.04
0.00									
C129	1.00	0.02	0.03	0.00	0.83	0.12	0.00	0.00	0.84
0.00									
C13	1.00	0.02	0.00	0.00	0.23	0.75	0.00	0.00	0.66
0.00									
C130	1.00	0.84	0.16	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C130_1	1.00	0.86	0.03	0.00	0.11	0.00	0.00	0.00	0.70
0.00									
C131	1.00	0.24	0.00	0.00	0.76	0.00	0.00	0.00	0.73
0.00									
C132	1.00	0.93	0.04	0.00	0.01	0.02	0.00	0.00	0.74
0.00									
C132_1	1.00	0.97	0.00	0.00	0.00	0.00	0.00	0.03	0.00
0.00									
C133	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C134	1.00	0.87	0.05	0.00	0.06	0.02	0.00	0.00	0.75
0.00									
C135	1.00	0.17	0.00	0.00	0.01	0.00	0.00	0.82	0.00
0.00									
C136	1.00	0.18	0.00	0.00	0.00	0.00	0.00	0.82	0.00
0.00									
C137	1.00	0.22	0.01	0.00	0.11	0.00	0.00	0.66	0.71
0.00									
C138	1.00	0.88	0.04	0.00	0.07	0.01	0.00	0.00	0.75
0.00									
C139	1.00	0.08	0.00	0.00	0.17	0.75	0.00	0.00	0.46
0.00									
C14	1.00	0.02	0.00	0.00	0.29	0.69	0.00	0.00	0.71
0.00									
C140	1.00	0.90	0.00	0.00	0.00	0.00	0.00	0.10	0.00
0.00									
C141	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00									
C142	1.00	0.92	0.00	0.00	0.00	0.00	0.00	0.08	0.00
0.00									
C143	1.00	0.90	0.00	0.00	0.00	0.00	0.00	0.10	0.00
0.00									
C144	1.00	0.07	0.00	0.00	0.05	0.88	0.00	0.00	0.54
0.00									
C145	1.00	0.07	0.00	0.00	0.18	0.75	0.00	0.00	0.00
0.00									

C147	1.00	0.07	0.00	0.00	0.54	0.39	0.00	0.00	0.37
0.00									
C148	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C149	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C15	1.00	0.02	0.00	0.00	0.13	0.85	0.00	0.00	0.23
0.00									
C150	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C151	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C152	1.00	0.05	0.00	0.00	0.20	0.75	0.00	0.00	0.00
0.00									
C153	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.84
0.00									
C154	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C155	1.00	0.05	0.95	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C156	1.00	0.95	0.00	0.00	0.00	0.00	0.00	0.05	0.00
0.00									
C157	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C158	1.00	0.08	0.00	0.00	0.05	0.87	0.00	0.00	0.00
0.00									
C159	1.00	0.06	0.85	0.00	0.09	0.00	0.00	0.00	0.75
0.00									
C16	1.00	0.02	0.00	0.00	0.05	0.93	0.00	0.00	0.00
0.00									
C160	1.00	0.04	0.04	0.00	0.06	0.86	0.00	0.00	0.02
0.00									
C160_3	1.00	0.90	0.00	0.00	0.00	0.03	0.00	0.07	0.02
0.00									
C161	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C162	1.00	0.24	0.76	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C163	1.00	0.97	0.01	0.00	0.01	0.01	0.00	0.00	0.74
0.00									
C164	1.00	0.62	0.00	0.00	0.00	0.00	0.00	0.38	0.00
0.00									
C165	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C166	1.00	0.94	0.06	0.00	0.00	0.00	0.00	0.00	0.03
0.00									
C167	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C168	1.00	0.95	0.00	0.00	0.00	0.00	0.00	0.05	0.00
0.00									
C169	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C169_2	1.00	0.92	0.00	0.00	0.00	0.00	0.00	0.08	0.00
0.00									
C169_3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C169_4	1.00	0.92	0.08	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C17	1.00	0.02	0.00	0.00	0.20	0.78	0.00	0.00	0.82
0.00									

C170	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C170_4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C170_6	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C171	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C172	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C173	1.00	0.03	0.97	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C174	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C175	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C176	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C177	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C178	1.00	0.05	0.95	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C179	1.00	0.05	0.95	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C18	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00
0.88									
C180	1.00	0.93	0.07	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C181	1.00	0.04	0.01	0.00	0.00	0.00	0.00	0.95	0.00
0.00									
C182	1.00	0.21	0.02	0.00	0.09	0.00	0.00	0.69	0.02
0.00									
C183	1.00	0.10	0.09	0.00	0.55	0.00	0.00	0.26	0.20
0.00									
C184	1.00	0.02	0.98	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C185	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C186	1.00	0.02	0.98	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C187	1.00	0.04	0.02	0.00	0.94	0.00	0.00	0.00	0.48
0.00									
C188	1.00	0.28	0.59	0.00	0.12	0.00	0.01	0.00	0.72
0.00									
C19	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00
0.00									
C2	1.00	0.03	0.06	0.00	0.37	0.54	0.00	0.00	0.38
0.00									
C20	1.00	0.01	0.00	0.00	0.97	0.01	0.00	0.00	0.72
0.00									
C21	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.80
0.00									
C22	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.92
0.00									
C23	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.00
0.00									
C24	1.00	0.01	0.00	0.00	0.04	0.05	0.00	0.90	0.00
0.00									
C25	1.00	0.01	0.08	0.00	0.20	0.70	0.00	0.00	0.54
0.00									

C26	1.00	0.01	0.00	0.00	0.82	0.01	0.00	0.16	0.41
0.00									
C27	1.00	0.02	0.00	0.00	0.54	0.01	0.00	0.43	0.00
0.43									
C28	1.00	0.02	0.00	0.00	0.10	0.03	0.00	0.86	0.00
0.00									
C29	1.00	0.00	0.00	0.00	0.17	0.83	0.00	0.00	0.51
0.00									
C29_1	1.00	0.02	0.00	0.00	0.01	0.97	0.00	0.00	0.11
0.00									
C29_2	1.00	0.02	0.00	0.00	0.00	0.69	0.00	0.29	0.23
0.00									
C3	1.00	0.08	0.00	0.00	0.59	0.33	0.00	0.00	0.40
0.00									
C3_1	1.00	0.09	0.00	0.00	0.91	0.00	0.00	0.00	0.00
0.83									
C3_2	1.00	0.09	0.00	0.00	0.25	0.66	0.00	0.00	0.52
0.00									
C30	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.00
0.00									
C31	1.00	0.01	0.00	0.00	0.87	0.12	0.00	0.00	0.53
0.00									
C32	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00
0.96									
C33	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C33_1	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	0.00
0.00									
C33_2	1.00	0.03	0.19	0.00	0.05	0.71	0.00	0.02	0.88
0.00									
C34	1.00	0.05	0.00	0.00	0.22	0.00	0.00	0.73	0.45
0.00									
C35	1.00	0.05	0.00	0.00	0.00	0.61	0.00	0.34	0.29
0.00									
C36	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
C37	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C37_1	1.00	0.01	0.00	0.00	0.17	0.82	0.00	0.00	0.17
0.00									
C37_2	1.00	0.01	0.13	0.00	0.70	0.16	0.00	0.00	0.84
0.00									
C38	1.00	0.04	0.00	0.00	0.26	0.69	0.00	0.00	0.45
0.00									
C39	1.00	0.04	0.00	0.00	0.21	0.74	0.00	0.00	0.48
0.00									
C4	1.00	0.08	0.00	0.00	0.92	0.00	0.00	0.00	0.01
0.00									
C4_1	1.00	0.08	0.00	0.00	0.00	0.92	0.00	0.00	0.10
0.00									
C4_2	1.00	0.08	0.00	0.00	0.00	0.92	0.00	0.00	0.53
0.00									
C40	1.00	0.04	0.00	0.00	0.19	0.77	0.00	0.00	0.00
0.00									
C41	1.00	0.04	0.00	0.00	0.00	0.08	0.00	0.88	0.00
0.00									
C42	1.00	0.05	0.00	0.00	0.00	0.12	0.00	0.83	0.00
0.00									
C43	1.00	0.33	0.59	0.00	0.08	0.00	0.00	0.00	0.73
0.00									

C44	1.00	0.06	0.00	0.00	0.05	0.05	0.00	0.84	0.00
0.00									
C45	1.00	0.02	0.00	0.00	0.06	0.05	0.00	0.87	0.01
0.00									
C46	1.00	0.04	0.00	0.00	0.18	0.77	0.00	0.00	0.44
0.00									
C46_1	1.00	0.03	0.14	0.00	0.83	0.00	0.00	0.00	0.90
0.00									
C46_2	1.00	0.26	0.00	0.00	0.00	0.00	0.00	0.74	0.00
0.00									
C47	1.00	0.17	0.05	0.00	0.01	0.77	0.00	0.00	0.46
0.00									
C48	1.00	0.05	0.00	0.00	0.06	0.09	0.00	0.80	0.00
0.00									
C49	1.00	0.02	0.00	0.00	0.13	0.16	0.00	0.68	0.00
0.00									
C5	1.00	0.07	0.00	0.00	0.92	0.01	0.00	0.00	0.83
0.00									
C50	1.00	0.02	0.12	0.00	0.07	0.79	0.00	0.00	0.53
0.00									
C51	1.00	0.03	0.00	0.00	0.87	0.11	0.00	0.00	0.44
0.00									
C52	1.00	0.03	0.09	0.00	0.84	0.04	0.00	0.00	0.00
0.87									
C53	1.00	0.03	0.00	0.00	0.10	0.03	0.00	0.83	0.00
0.85									
C53_1	1.00	0.03	0.00	0.00	0.09	0.88	0.00	0.00	0.42
0.00									
C53_2	1.00	0.03	0.00	0.00	0.81	0.16	0.00	0.00	0.37
0.00									
C54	1.00	0.03	0.03	0.00	0.33	0.60	0.00	0.00	0.53
0.00									
C55	1.00	0.03	0.00	0.00	0.11	0.57	0.00	0.29	0.29
0.00									
C56	1.00	0.03	0.00	0.00	0.12	0.85	0.00	0.00	0.10
0.00									
C57	1.00	0.32	0.68	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C58	1.00	0.94	0.06	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C59	1.00	0.96	0.04	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C6	1.00	0.07	0.02	0.00	0.13	0.78	0.00	0.00	0.24
0.00									
C60	1.00	0.96	0.04	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C61	1.00	0.06	0.00	0.00	0.11	0.00	0.00	0.83	0.00
0.33									
C62	1.00	0.05	0.00	0.00	0.11	0.24	0.00	0.59	0.00
0.00									
C63	1.00	0.05	0.00	0.00	0.14	0.53	0.00	0.28	0.25
0.00									
C64	1.00	0.06	0.19	0.00	0.23	0.50	0.00	0.03	0.76
0.00									
C65	1.00	0.05	0.00	0.00	0.07	0.04	0.00	0.83	0.04
0.00									
C66	1.00	0.06	0.00	0.00	0.13	0.01	0.00	0.81	0.01
0.00									
C67	1.00	0.05	0.00	0.00	0.31	0.64	0.00	0.00	0.53
0.00									

C68	1.00	0.06	0.00	0.00	0.31	0.63	0.00	0.00	0.70
0.00									
C69	1.00	0.06	0.00	0.00	0.00	0.94	0.00	0.00	0.59
0.00									
C7	1.00	0.06	0.00	0.00	0.37	0.58	0.00	0.00	0.81
0.00									
C70	1.00	0.07	0.00	0.00	0.12	0.82	0.00	0.00	0.20
0.00									
C71	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00	0.77
0.00									
C72	1.00	0.82	0.03	0.00	0.14	0.00	0.00	0.00	0.70
0.00									
C72_1	1.00	0.07	0.00	0.00	0.92	0.01	0.00	0.00	0.00
0.79									
C72_2	1.00	0.05	0.02	0.00	0.74	0.20	0.00	0.00	0.00
0.84									
C73	1.00	0.05	0.00	0.00	0.06	0.01	0.00	0.88	0.01
0.00									
C73_2	1.00	0.02	0.03	0.00	0.06	0.89	0.00	0.00	0.03
0.00									
C74	1.00	0.02	0.00	0.00	0.22	0.76	0.00	0.00	0.58
0.00									
C75	1.00	0.02	0.00	0.00	0.41	0.57	0.00	0.00	0.76
0.00									
C76	1.00	0.03	0.00	0.00	0.68	0.30	0.00	0.00	0.03
0.00									
C77	1.00	0.03	0.00	0.00	0.92	0.06	0.00	0.00	0.00
0.46									
C78	1.00	0.03	0.00	0.00	0.90	0.07	0.00	0.00	0.86
0.00									
C79	1.00	0.03	0.00	0.00	0.00	0.97	0.00	0.00	0.00
0.00									
C8	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00
0.35									
C80	1.00	0.05	0.00	0.00	0.10	0.85	0.00	0.00	0.06
0.00									
C80_2	1.00	0.04	0.00	0.00	0.01	0.95	0.00	0.00	0.27
0.00									
C80_3	1.00	0.04	0.04	0.00	0.18	0.75	0.00	0.00	0.83
0.00									
C80_4	1.00	0.04	0.00	0.00	0.72	0.25	0.00	0.00	0.86
0.00									
C81	1.00	0.03	0.00	0.00	0.68	0.29	0.00	0.00	0.74
0.00									
C82	1.00	0.05	0.00	0.00	0.21	0.75	0.00	0.00	0.00
0.00									
C82_1	1.00	0.03	0.00	0.00	0.79	0.18	0.00	0.00	0.00
0.84									
C82_2	1.00	0.03	0.00	0.00	0.55	0.42	0.00	0.00	0.05
0.00									
C83	1.00	0.05	0.20	0.00	0.73	0.02	0.00	0.00	0.83
0.00									
C85	1.00	0.92	0.00	0.00	0.00	0.00	0.00	0.07	0.72
0.00									
C85_1	1.00	0.94	0.00	0.00	0.00	0.00	0.00	0.06	0.00
0.00									
C86	1.00	0.33	0.64	0.00	0.00	0.03	0.00	0.00	0.75
0.00									
C87	1.00	0.06	0.21	0.00	0.74	0.00	0.00	0.00	0.47
0.00									

C88	1.00	0.94	0.00	0.00	0.00	0.00	0.00	0.06	0.00
0.00									
C89	1.00	0.23	0.00	0.00	0.77	0.00	0.00	0.00	0.00
0.00									
C9	1.00	0.02	0.00	0.00	0.18	0.80	0.00	0.00	0.74
0.00									
C90	1.00	0.21	0.02	0.00	0.11	0.00	0.00	0.65	0.01
0.00									
C91	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.86
0.00									
C92	1.00	0.22	0.00	0.00	0.00	0.00	0.00	0.78	0.00
0.00									
C93	1.00	0.05	0.22	0.00	0.73	0.00	0.00	0.00	0.84
0.00									
C94	1.00	0.94	0.00	0.00	0.00	0.00	0.00	0.06	0.00
0.00									
C95	1.00	0.02	0.00	0.00	0.21	0.77	0.00	0.00	0.43
0.00									
C96	1.00	0.02	0.00	0.00	0.08	0.53	0.00	0.36	0.14
0.00									
C97	1.00	0.01	0.99	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C97_1	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.91
0.00									
C97_2	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.17
0.00									
C98	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C99	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

****
Conduit Surcharge Summary
****

Conduit	Hours Full: Both Ends	Hours Full: Upstream	Hours Full: Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
C114	0.01	0.01	0.35	0.01	0.01
C123	0.01	0.01	0.17	0.01	0.01
C124	0.24	0.25	0.32	0.12	0.20
C125	0.33	0.33	0.38	0.01	0.01
C126	0.12	0.12	0.25	0.01	0.01
C127	0.01	0.01	0.56	0.01	0.01
C127_1	0.01	0.14	0.01	0.19	0.01
C128	0.83	0.83	0.84	0.51	0.05
C128_3	0.78	0.82	0.78	0.88	0.76
C128_4	0.01	0.97	0.01	0.96	0.01
C128_5	0.78	0.78	0.96	0.01	0.01
C129	0.39	0.39	3.74	0.01	0.01
C130_1	0.33	0.33	0.65	0.01	0.01
C131	0.17	0.17	0.21	0.01	0.01
C134	0.01	0.01	9.04	0.01	0.01
C137	0.46	0.46	0.52	0.01	0.01
C145	0.71	3.79	0.71	4.16	0.71

C152	0.45	0.82	0.45	0.69	0.45
C153	0.01	0.01	0.43	0.01	0.01
C159	0.01	0.01	8.99	0.01	0.01
C164	0.01	0.01	0.01	0.39	0.01
C182	0.01	0.01	0.17	0.01	0.01
C183	0.01	0.01	0.15	0.01	0.01
C187	0.33	0.33	0.41	0.01	0.01
C188	0.11	0.11	0.47	0.01	0.01
C24	0.22	0.22	0.41	0.01	0.01
C25	0.42	0.42	0.73	0.13	0.39
C26	0.53	0.53	1.00	0.01	0.01
C27	0.95	1.26	0.95	0.23	0.86
C28	0.58	0.99	0.58	0.01	0.38
C29	0.01	0.12	0.01	0.01	0.01
C29_1	0.01	0.61	0.01	0.20	0.01
C29_2	0.01	0.01	0.12	0.01	0.01
C34	0.01	0.01	0.01	0.13	0.01
C43	0.21	0.21	0.26	0.01	0.01
C44	0.25	0.25	0.32	0.01	0.01
C45	0.33	0.33	0.49	0.01	0.01
C46_1	0.01	0.01	10.58	0.01	0.01
C47	0.01	0.52	0.01	0.46	0.01
C48	0.35	0.35	0.53	0.01	0.25
C49	0.78	0.83	0.78	0.07	0.18
C50	0.01	0.78	0.01	0.01	0.01
C51	0.01	0.01	0.66	0.01	0.01
C52	0.01	0.45	0.01	0.11	0.01
C53	0.53	0.59	0.54	0.01	0.01
C53_2	0.01	0.01	0.56	0.01	0.01
C54	0.56	0.56	0.56	0.01	0.26
C55	0.55	0.55	0.64	0.01	0.01
C56	0.01	0.66	0.01	0.64	0.01
C61	0.62	0.73	0.62	0.12	0.27
C62	0.62	0.62	0.64	0.01	0.01
C63	0.65	0.65	0.81	0.07	0.49
C64	0.77	0.77	0.83	0.01	0.01
C65	0.01	0.01	0.21	0.01	0.01
C66	0.28	0.28	0.75	0.01	0.01
C70	0.01	0.01	0.39	0.01	0.01
C71	0.01	0.01	0.41	0.01	0.01
C72	0.41	0.43	0.53	0.01	0.01
C72_1	0.51	0.56	0.54	0.01	0.03
C72_2	0.01	0.54	0.01	0.01	0.01
C73	0.01	0.01	0.12	0.01	0.01
C77	0.16	1.02	0.16	0.70	0.16
C78	0.01	0.01	0.59	0.01	0.01
C79	0.01	0.55	0.01	0.01	0.01
C82	0.01	0.31	0.01	0.01	0.01
C82_1	0.54	0.69	0.54	0.01	0.01
C82_2	0.54	0.54	0.55	0.01	0.54
C83	0.26	0.26	1.44	0.01	0.01
C87	1.04	1.04	1.17	0.01	0.01
C89	0.42	0.42	0.42	0.03	0.14
C90	0.42	0.42	0.54	0.01	0.01
C91	0.01	0.01	0.61	0.01	0.01
C93	0.27	0.27	0.35	0.01	0.01
C95	0.48	0.54	0.48	0.46	0.48

C96	0.48	0.48	0.81	0.01	0.01

Analysis begun on: Mon Jun 13 14:13:05 2022
Analysis ended on: Mon Jun 13 14:13:09 2022
Total elapsed time: 00:00:04

ALTERNATIVE RUNOFF METHOD (ARM) - PCSWMM VERSION 7.4.3240

This is a new version of ARM - your feedback and suggestions are solicited.
Create a ticket, post on the PCSWMM feature request forum, or email us directly!

Simulation start time:	11/01/2021 00:00:00
Simulation end time:	11/01/2021 12:00:00
Runoff wet weather time steps:	60 seconds
Report time steps:	180 seconds
Number of data points:	241

Unit Hydrographs Runoff Method

Subcatchment	Runoff Method	Time to Peak (min)	Time after Peak (min)	Peak UH Flow (CFS/in)	Raingage	Area UH (ac)	Depth (in)	Time of Concentration (min)
Basin1West	Dimensionless UH (483.4)	6.5	26.66	59.46517	5YR_6HR_SCS_Type_III_3.45in	8.529	0.995	10
Basin2West	Dimensionless UH (483.4)	5.3	21.33	255.37543	5YR_6HR_SCS_Type_III_3.45in	29.866	0.991	8
Basin3West	Dimensionless UH (483.4)	7.7	31.99	72.9573	5YR_6HR_SCS_Type_III_3.45in	12.396	0.997	12
Basin4West	Dimensionless UH (483.4)	4.7	18.66	53.3797	5YR_6HR_SCS_Type_III_3.45in	5.536	0.991	7
Basin7East	Dimensionless UH (483.4)	5.9	23.99	182.32732	5YR_6HR_SCS_Type_III_3.45in	23.737	0.993	9
Basin10East	Dimensionless UH (483.4)	5.3	21.33	76.1355	5YR_6HR_SCS_Type_III_3.45in	8.904	0.991	8
Basin5Central	Dimensionless UH (483.4)	5.9	23.99	197.04439	5YR_6HR_SCS_Type_III_3.45in	25.653	0.993	9
Basin6East	Dimensionless UH (483.4)	5.9	23.99	114.31079	5YR_6HR_SCS_Type_III_3.45in	14.882	0.993	9
Basin6Central	Dimensionless UH (483.4)	5.3	21.33	38.03355	5YR_6HR_SCS_Type_III_3.45in	4.448	0.991	8
Basin3Central	Dimensionless UH (483.4)	3.5	13.33	72.43231	5YR_6HR_SCS_Type_III_3.45in	5.594	0.994	5
Basin2Central	Dimensionless UH (483.4)	2.3	8	121.61188	5YR_6HR_SCS_Type_III_3.45in	6.172	0.992	3
Basin1Central	Dimensionless UH (483.4)	5.3	21.33	121.54831	5YR_6HR_SCS_Type_III_3.45in	14.215	0.991	8
Basin4Central	Dimensionless UH (483.4)	7.7	31.99	83.99271	5YR_6HR_SCS_Type_III_3.45in	14.271	0.997	12
Basin4East	Dimensionless UH (483.4)	6.5	26.66	53.78987	5YR_6HR_SCS_Type_III_3.45in	7.715	0.995	10
Basin9East	Dimensionless UH (483.4)	4.7	18.66	41.01829	5YR_6HR_SCS_Type_III_3.45in	4.254	0.991	7
Basin5East	Dimensionless UH (483.4)	3.5	13.33	31.95619	5YR_6HR_SCS_Type_III_3.45in	2.468	0.994	5
Basin8East	Dimensionless UH (483.4)	4.7	18.66	128.8981	5YR_6HR_SCS_Type_III_3.45in	13.368	0.991	7

Basin3East	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			10.054
8	5.3	21.33		85.96881	0.991	
Basin3.1East	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			5.642
9	5.9	23.99		43.33701	0.993	
Basin2East	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			7.984
8	5.3	21.33		68.26885	0.991	
Basin1East	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			32.052
10	6.5	26.66		223.47024	0.995	
Basin1.1West	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			18.843
11.5	7.4	30.66		115.39746	0.995	
Basin1.2West	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			5.956
10	6.5	26.66		41.52592	0.995	
Basin2.1West	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			7.295
10	6.5	26.66		50.86158	0.995	
Basin3.4West	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			11.605
10	6.5	26.66		80.9114	0.995	
Basin3.3West	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			5.053
6	4.1	16		55.8526	0.993	
Basin3.5West	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			12.351
13	8.3	34.66		67.43758	0.999	
Basin3.2West	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			3.736
8	5.3	21.33		31.94544	0.991	
Basin3.1West	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			1.463
3	2.3	8		28.82667	0.992	
Basin5West	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			2.28
4	2.9	10.66		35.62991	0.991	
Basin6West	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			8.24
9	5.9	23.99		63.29263	0.993	
Basin3.2East	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			2.469
9	5.9	23.99		18.96474	0.993	
Basin1.1Central	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			6.376
7	4.7	18.66		61.47922	0.991	

****
ARM Runoff Summary
****

Subcatchment	Total Precip (in)	Total Losses (in)	Total Runoff (in)	Total Runoff 10^6 gal	Peak Runoff CFS	Runoff Coeff (fraction)
Basin1West	3.45	1.174	2.276	0.527	25.867	0.66
Basin2West	3.45	0.683	2.766	2.243	109.151	0.802
Basin3West	3.45	1.782	1.668	0.561	26.801	0.483
Basin4West	3.45	1.533	1.917	0.288	15.197	0.556
Basin7East	3.45	1.312	2.137	1.377	69.378	0.619
Basin10East	3.45	1.853	1.597	0.386	20.088	0.463

Basin5Central	3.45	1.548	1.901	1.324	67.243
0.551					
Basin6East	3.45	1.671	1.778	0.718	36.553
0.515					
Basin6Central	3.45	1.312	2.137	0.258	13.219
0.619					
Basin3Central	3.45	0.861	2.588	0.393	20.281
0.75					
Basin2Central	3.45	0.899	2.532	0.424	22.337
0.734					
Basin1Central	3.45	1.412	2.037	0.786	40.474
0.59					
Basin4Central	3.45	1.312	2.137	0.828	39.298
0.619					
Basin4East	3.45	1.312	2.138	0.448	22.111
0.62					
Basin9East	3.45	1.312	2.137	0.247	12.892
0.619					
Basin5East	3.45	1.218	2.231	0.15	7.979
0.647					
Basin8East	3.45	1.312	2.137	0.776	40.512
0.619					
Basin3East	3.45	1.312	2.137	0.583	29.879
0.619					
Basin3.1East	3.45	1.312	2.137	0.327	16.49
0.619					
Basin2East	3.45	1.412	2.037	0.442	22.733
0.591					
Basin1East	3.45	1.412	2.039	1.774	87.83
0.591					
Basin1.1West	3.45	1.148	2.303	1.178	56.151
0.667					
Basin1.2West	3.45	1.244	2.207	0.357	17.568
0.64					
Basin2.1West	3.45	1.261	2.189	0.434	21.365
0.635					
Basin3.4West	3.45	0.994	2.457	0.774	37.568
0.712					
Basin3.3West	3.45	0.539	2.906	0.399	19.485
0.842					
Basin3.5West	3.45	1.388	2.063	0.692	32.301
0.598					
Basin3.2West	3.45	0.529	2.921	0.296	14.115
0.847					
Basin3.1West	3.45	0.233	3.193	0.127	5.934
0.926					
Basin5West	3.45	0.56	2.89	0.179	8.913
0.838					
Basin6West	3.45	0.714	2.735	0.612	29.352
0.793					
Basin3.2East	3.45	1.396	2.053	0.138	6.96
0.595					
Basin1.1Central	3.45	0.861	2.588	0.448	22.562
0.75					

Post field day
Overland split on Southwood Rd. and Trousdale St.

WARNING 03: negative offset ignored for Link C122_2
WARNING 03: negative offset ignored for Link C124
WARNING 03: negative offset ignored for Link C125
WARNING 03: negative offset ignored for Link C127_1
WARNING 03: negative offset ignored for Link C127_2
WARNING 04: minimum elevation drop used for Conduit C141
WARNING 04: minimum elevation drop used for Conduit C143
WARNING 04: minimum elevation drop used for Conduit C150
WARNING 04: minimum elevation drop used for Conduit C164
WARNING 03: negative offset ignored for Link C8
WARNING 03: negative offset ignored for Link C89
WARNING 04: minimum elevation drop used for Conduit C89
WARNING 03: negative offset ignored for Link C90
WARNING 02: maximum depth increased for Node J1
WARNING 02: maximum depth increased for Node J100
WARNING 02: maximum depth increased for Node J102
WARNING 02: maximum depth increased for Node J103
WARNING 02: maximum depth increased for Node J11
WARNING 02: maximum depth increased for Node J113
WARNING 02: maximum depth increased for Node J114
WARNING 02: maximum depth increased for Node J117
WARNING 02: maximum depth increased for Node J118
WARNING 02: maximum depth increased for Node J12
WARNING 02: maximum depth increased for Node J13
WARNING 02: maximum depth increased for Node J133
WARNING 02: maximum depth increased for Node J134
WARNING 02: maximum depth increased for Node J137
WARNING 02: maximum depth increased for Node J14
WARNING 02: maximum depth increased for Node J141
WARNING 02: maximum depth increased for Node J148
WARNING 02: maximum depth increased for Node J149
WARNING 02: maximum depth increased for Node J15
WARNING 02: maximum depth increased for Node J155
WARNING 02: maximum depth increased for Node J156
WARNING 02: maximum depth increased for Node J157
WARNING 02: maximum depth increased for Node J158
WARNING 02: maximum depth increased for Node J159
WARNING 02: maximum depth increased for Node J162
WARNING 02: maximum depth increased for Node J167
WARNING 02: maximum depth increased for Node J17
WARNING 02: maximum depth increased for Node J19
WARNING 02: maximum depth increased for Node J2
WARNING 02: maximum depth increased for Node J20
WARNING 02: maximum depth increased for Node J21
WARNING 02: maximum depth increased for Node J22
WARNING 02: maximum depth increased for Node J23
WARNING 02: maximum depth increased for Node J24
WARNING 02: maximum depth increased for Node J25
WARNING 02: maximum depth increased for Node J26
WARNING 02: maximum depth increased for Node J27
WARNING 02: maximum depth increased for Node J28
WARNING 02: maximum depth increased for Node J3
WARNING 02: maximum depth increased for Node J30

```
WARNING 02: maximum depth increased for Node J31
WARNING 02: maximum depth increased for Node J32
WARNING 02: maximum depth increased for Node J33
WARNING 02: maximum depth increased for Node J34
WARNING 02: maximum depth increased for Node J35
WARNING 02: maximum depth increased for Node J36
WARNING 02: maximum depth increased for Node J37
WARNING 02: maximum depth increased for Node J38
WARNING 02: maximum depth increased for Node J4
WARNING 02: maximum depth increased for Node J45
WARNING 02: maximum depth increased for Node J49
WARNING 02: maximum depth increased for Node J50
WARNING 02: maximum depth increased for Node J52
WARNING 02: maximum depth increased for Node J57
WARNING 02: maximum depth increased for Node J58
WARNING 02: maximum depth increased for Node J59
WARNING 02: maximum depth increased for Node J6
WARNING 02: maximum depth increased for Node J60
WARNING 02: maximum depth increased for Node J61
WARNING 02: maximum depth increased for Node J62
WARNING 02: maximum depth increased for Node J63
WARNING 02: maximum depth increased for Node J64
WARNING 02: maximum depth increased for Node J65
WARNING 02: maximum depth increased for Node J66
WARNING 02: maximum depth increased for Node J7
WARNING 02: maximum depth increased for Node J71
WARNING 02: maximum depth increased for Node J77
WARNING 02: maximum depth increased for Node J8
WARNING 02: maximum depth increased for Node J81
WARNING 02: maximum depth increased for Node J82
WARNING 02: maximum depth increased for Node J85
WARNING 02: maximum depth increased for Node J86
WARNING 02: maximum depth increased for Node J87
WARNING 02: maximum depth increased for Node J89
WARNING 02: maximum depth increased for Node J9
WARNING 02: maximum depth increased for Node J90
WARNING 02: maximum depth increased for Node J92
WARNING 02: maximum depth increased for Node J94
WARNING 02: maximum depth increased for Node J95
WARNING 02: maximum depth increased for Node J96
WARNING 02: maximum depth increased for Node J97
WARNING 02: maximum depth increased for Node J98
WARNING 02: maximum depth increased for Node J99

*************
Element Count
*************
Number of rain gages ...... 6
Number of subcatchments ... 0
Number of nodes ........... 190
Number of links ........... 232
Number of pollutants ...... 0
Number of land uses ....... 0


****************
Raingage Summary
```

****

Name	Data Source	Data Type	Recording Interval
100YR_24HR_SCS_Type_III_9.58in	100YR_24HR_SCS_Type_III_9.58in	CUMULATIVE	6 min.
10YR_6HR_SCS_Type_III_4in	10YR_6HR_SCS_Type_III_4in	CUMULATIVE	6 min.
25YR_24HR_SCS_Type_III_7.19in	25YR_24HR_SCS_Type_III_7.19in	CUMULATIVE	6 min.
25YR_6HR_SCS_Type_III_4.82in	25YR_6HR_SCS_Type_III_4.82in	CUMULATIVE	6 min.
2YR_6HR_SCS_Type_III_2.86in	2YR_6HR_SCS_Type_III_2.86in	CUMULATIVE	6 min.
5YR_6HR_SCS_Type_III_3.45in	5YR_6HR_SCS_Type_III_3.45in	CUMULATIVE	6 min.

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J1	JUNCTION	848.39	5.60	0.0	
J10	JUNCTION	879.04	7.56	100.0	
J100	JUNCTION	905.61	3.75	0.0	
J101	JUNCTION	963.28	6.00	100.0	
J102	JUNCTION	998.19	1.57	0.0	
J103	JUNCTION	996.01	1.50	0.0	
J104	JUNCTION	980.09	3.20	100.0	
J105	JUNCTION	979.08	3.30	100.0	
J106	JUNCTION	976.93	4.51	100.0	
J107	JUNCTION	990.78	1.33	0.0	
J108	JUNCTION	1008.00	5.20	100.0	
J109	JUNCTION	978.18	3.00	100.0	
J11	JUNCTION	898.40	3.76	0.0	
J110	JUNCTION	1014.00	5.00	100.0	
J111	JUNCTION	1007.80	5.30	100.0	
J112	JUNCTION	998.36	2.90	0.0	
J113	JUNCTION	1037.24	4.90	100.0	
J114	JUNCTION	891.30	8.97	0.0	
J115	JUNCTION	892.11	5.20	0.0	
J116	JUNCTION	894.30	4.30	0.0	
J117	JUNCTION	882.08	8.97	0.0	
J118	JUNCTION	890.79	8.97	0.0	
J119	JUNCTION	890.63	5.20	0.0	
J12	JUNCTION	895.95	3.75	0.0	
J120	JUNCTION	891.47	4.40	0.0	
J121	JUNCTION	892.13	4.20	0.0	
J122	JUNCTION	893.91	3.70	0.0	
J123	JUNCTION	893.13	2.71	0.0	
J124	JUNCTION	893.48	3.61	0.0	
J125	JUNCTION	881.65	5.77	0.0	
J126	JUNCTION	877.62	6.77	0.0	
J127	JUNCTION	884.30	5.10	0.0	
J128	JUNCTION	882.80	3.98	0.0	
J129	JUNCTION	877.05	4.15	0.0	
J13	JUNCTION	860.36	7.64	100.0	
J130	JUNCTION	862.87	4.72	0.0	
J131	JUNCTION	861.66	3.52	0.0	
J132	JUNCTION	991.90	5.08	100.0	
J133	JUNCTION	983.79	8.56	0.0	

J134	JUNCTION	1042.79	3.17	100.0
J135	JUNCTION	977.09	12.01	0.0
J136	JUNCTION	973.46	13.81	0.0
J137	JUNCTION	970.71	5.29	0.0
J138	JUNCTION	971.38	13.62	0.0
J139	JUNCTION	959.50	5.50	0.0
J14	JUNCTION	858.82	9.76	0.0
J140	JUNCTION	931.15	5.34	100.0
J141	JUNCTION	929.49	4.45	0.0
J142	JUNCTION	1046.96	2.78	100.0
J143	JUNCTION	1033.97	4.65	0.0
J144	JUNCTION	966.77	2.73	100.0
J145	JUNCTION	967.65	3.00	100.0
J146	JUNCTION	967.65	2.43	100.0
J147	JUNCTION	1046.25	3.56	100.0
J148	JUNCTION	929.08	3.00	0.0
J149	JUNCTION	1073.88	2.63	100.0
J15	JUNCTION	858.44	8.64	0.0
J150	JUNCTION	1046.00	4.00	100.0
J151	JUNCTION	996.50	3.11	0.0
J152	JUNCTION	982.58	2.30	100.0
J153	JUNCTION	979.33	5.12	100.0
J154	JUNCTION	976.81	5.16	0.0
J155	JUNCTION	977.16	5.29	0.0
J156	JUNCTION	978.64	4.52	0.0
J157	JUNCTION	980.77	3.23	0.0
J158	JUNCTION	980.80	3.20	100.0
J159	JUNCTION	1002.16	6.84	0.0
J16	JUNCTION	856.93	6.36	0.0
J160	JUNCTION	1029.71	1.00	0.0
J161	JUNCTION	1014.00	1.00	0.0
J162	JUNCTION	1003.98	5.02	0.0
J163	JUNCTION	1008.97	5.54	0.0
J164	JUNCTION	1009.11	5.39	0.0
J165	JUNCTION	1011.41	2.98	0.0
J166	JUNCTION	976.00	5.00	0.0
J167	JUNCTION	965.91	3.00	0.0
J168	JUNCTION	912.61	5.18	0.0
J169	JUNCTION	912.00	5.00	0.0
J17	JUNCTION	854.58	6.36	0.0
J170	JUNCTION	908.86	4.80	0.0
J171	JUNCTION	905.27	6.32	0.0
J172	JUNCTION	901.90	8.74	0.0
J173	JUNCTION	910.94	3.85	0.0
J174	JUNCTION	909.90	4.00	0.0
J175	JUNCTION	908.08	4.70	0.0
J176	JUNCTION	901.94	7.47	0.0
J177	JUNCTION	900.54	7.20	0.0
J178	JUNCTION	903.72	3.19	0.0
J179	JUNCTION	898.29	4.45	0.0
J18	JUNCTION	853.55	6.32	0.0
J180	JUNCTION	895.32	4.80	0.0
J181	JUNCTION	890.00	4.59	0.0
J182	JUNCTION	888.43	5.27	0.0
J183	JUNCTION	884.34	2.35	0.0
J184	JUNCTION	861.91	3.50	0.0
J185	JUNCTION	927.55	2.80	0.0

J186	JUNCTION	926.20	3.52	0.0
J187	JUNCTION	1011.79	3.00	0.0
J19	JUNCTION	848.41	4.34	0.0
J2	JUNCTION	861.21	6.39	0.0
J20	JUNCTION	845.32	9.99	0.0
J21	JUNCTION	863.59	6.88	100.0
J22	JUNCTION	863.98	8.40	100.0
J23	JUNCTION	863.86	11.03	0.0
J24	JUNCTION	864.84	11.03	0.0
J25	JUNCTION	865.83	8.02	0.0
J26	JUNCTION	867.96	5.24	0.0
J27	JUNCTION	871.54	8.97	0.0
J28	JUNCTION	943.21	4.80	0.0
J29	JUNCTION	926.69	4.47	100.0
J3	JUNCTION	853.15	10.09	0.0
J30	JUNCTION	922.02	5.00	0.0
J31	JUNCTION	919.62	7.26	100.0
J32	JUNCTION	919.27	6.35	100.0
J33	JUNCTION	917.74	7.30	0.0
J34	JUNCTION	899.22	9.20	0.0
J35	JUNCTION	908.54	8.20	0.0
J36	JUNCTION	897.71	6.13	0.0
J37	JUNCTION	896.92	6.43	0.0
J38	JUNCTION	887.13	6.43	0.0
J39	JUNCTION	885.67	5.62	0.0
J4	JUNCTION	854.42	9.15	0.0
J40	JUNCTION	903.56	8.96	0.0
J41	JUNCTION	894.45	14.60	0.0
J42	JUNCTION	898.27	8.20	0.0
J43	JUNCTION	895.14	4.23	0.0
J44	JUNCTION	889.39	5.20	0.0
J45	JUNCTION	887.35	8.97	0.0
J46	JUNCTION	1029.23	5.58	100.0
J47	JUNCTION	1029.03	4.84	100.0
J48	JUNCTION	1028.23	4.05	100.0
J49	JUNCTION	1027.18	4.65	0.0
J5	JUNCTION	853.85	8.57	0.0
J50	JUNCTION	1011.69	4.10	100.0
J51	JUNCTION	1005.32	4.55	0.0
J52	JUNCTION	996.69	6.28	100.0
J53	JUNCTION	1072.41	2.60	100.0
J54	JUNCTION	1070.72	2.50	100.0
J55	JUNCTION	1065.60	3.05	100.0
J56	JUNCTION	1050.60	3.20	100.0
J57	JUNCTION	1014.89	2.68	0.0
J58	JUNCTION	1045.75	1.50	0.0
J59	JUNCTION	1034.52	7.50	100.0
J6	JUNCTION	866.40	5.64	0.0
J60	JUNCTION	1021.50	5.90	100.0
J61	JUNCTION	1002.60	5.11	100.0
J62	JUNCTION	1001.78	6.11	100.0
J63	JUNCTION	995.85	4.43	0.0
J64	JUNCTION	986.80	6.96	0.0
J65	JUNCTION	986.54	7.22	0.0
J66	JUNCTION	978.86	5.27	0.0
J67	JUNCTION	982.37	4.70	0.0
J68	JUNCTION	976.97	6.82	0.0

J69	JUNCTION	976.37	5.85	100.0
J7	JUNCTION	875.38	11.00	0.0
J70	JUNCTION	973.41	3.12	100.0
J71	JUNCTION	969.66	3.00	0.0
J72	JUNCTION	1055.62	6.83	100.0
J74	JUNCTION	1052.29	2.20	100.0
J75	JUNCTION	1053.01	3.20	100.0
J76	JUNCTION	1053.68	3.35	100.0
J77	JUNCTION	1028.46	6.26	100.0
J78	JUNCTION	1021.44	4.25	100.0
J79	JUNCTION	1026.15	3.55	100.0
J8	JUNCTION	875.08	10.02	0.0
J80	JUNCTION	1014.55	5.90	100.0
J81	JUNCTION	1015.00	5.55	100.0
J82	JUNCTION	1014.00	6.45	100.0
J83	JUNCTION	1019.80	3.10	0.0
J84	JUNCTION	1018.05	4.75	0.0
J85	JUNCTION	988.25	3.23	0.0
J86	JUNCTION	987.17	3.54	0.0
J87	JUNCTION	986.40	4.54	0.0
J88	JUNCTION	985.65	3.40	0.0
J89	JUNCTION	981.52	5.60	100.0
J9	JUNCTION	875.66	11.00	0.0
J90	JUNCTION	980.25	8.35	0.0
J91	JUNCTION	1048.66	4.60	100.0
J92	JUNCTION	975.95	7.26	100.0
J93	JUNCTION	975.42	4.47	100.0
J94	JUNCTION	973.80	4.61	100.0
J95	JUNCTION	973.39	7.34	100.0
J96	JUNCTION	973.27	6.85	100.0
J97	JUNCTION	964.70	9.36	100.0
J98	JUNCTION	962.53	9.90	0.0
J99	JUNCTION	961.98	6.10	0.0
OF1	OUTFALL	843.04	9.99	0.0
J73	STORAGE	1048.58	6.10	0.0
SU1	STORAGE	948.10	3.90	0.0
SU2	STORAGE	890.46	4.70	0.0

****
Link Summary
****

Name	From Node	To Node	Type	Length	% Slope	Roughness
5	J33	J35	CONDUIT	225.8	3.6761	0.0110
C1	J20	OF1	CONDUIT	67.8	3.3701	0.0300
C10	J16	J17	CONDUIT	138.2	1.7001	0.0300
C100	J119	J118	CONDUIT	17.1	-0.9335	0.0130
C101	J118	J117	CONDUIT	112.3	7.7752	0.0350
C102	J120	J119	CONDUIT	31.1	1.7354	0.0130

C103	J122	J120	CONDUIT	15.7	
15.0984	0.0130				
C104	J121	J120	CONDUIT	29.8	
0.8725	0.0130				
C105	J123	J121	CONDUIT	98.2	
0.7636	0.0130				
C106	J124	J123	CONDUIT	19.8	
0.8096	0.0130				
C107	J39	J27	CONDUIT	204.9	
6.9145	0.0400				
C108	J125	J126	CONDUIT	48.3	
8.1639	0.0130				
C109	J127	J125	CONDUIT	33.9	
2.8324	0.0130				
C110	J128	J126	CONDUIT	57.9	
8.4218	0.0130				
C111	J126	J129	CONDUIT	42.3	
1.2296	0.0130				
C112	J129	J130	CONDUIT	168.9	
8.3840	0.0130				
C113	J130	J131	CONDUIT	50.9	
2.1427	0.0130				
C114	J131	J15	CONDUIT	42.4	
7.6089	0.0130				
C115	J49	J50	CONDUIT	270.3	
5.7404	0.0130				
C116	J31	J32	CONDUIT	17.0	
7.4225	0.0200				
C116_2	J77	J81	CONDUIT	467.7	
3.0310	0.0500				
C117	J61	J62	CONDUIT	31.5	-
0.5709	0.0130				
C118	J52	J132	CONDUIT	80.9	
5.9291	0.0130				
C119	J133	J135	CONDUIT	61.8	
10.8979	0.0130				
C12	J1	J19	CONDUIT	629.1	-
0.0027	0.0130				
C120	J135	J136	CONDUIT	157.0	
2.0390	0.0130				
C121	J102	J107	CONDUIT	196.8	
4.2121	0.0230				
C122	J137	J139	CONDUIT	200.3	
5.6060	0.0240				
C122_1	J136	J138	CONDUIT	76.9	
2.7043	0.0130				
C122_2	J138	J137	CONDUIT	24.7	
2.7121	0.0130				
C123	J139	J140	CONDUIT	673.1	
4.1099	0.0130				
C124	J140	J141	CONDUIT	82.4	
1.8929	0.0240				
C125	J141	J29	CONDUIT	67.9	
2.1798	0.0130				
C126	J147	J150	CONDUIT	11.7	
2.1378	0.0130				
C127	J142	J150	CONDUIT	17.5	
5.4786	0.0130				
C127_1	J73	J150	CONDUIT	142.3	
1.8133	0.0130				

C127_2	J150	J143	CONDUIT	166.6	7.2378	0.0130
C128	J82	J110	CONDUIT	12.1	0.4147	0.0130
C128_1	J141	J148	CONDUIT	73.5	3.8944	0.0300
C128_2	J148	J30	CONDUIT	125.1	4.0485	0.0300
C128_3	J80	J110	CONDUIT	194.5	0.2828	0.0130
C128_4	J111	J151	CONDUIT	220.7	5.1257	0.0240
C128_5	J110	J111	CONDUIT	75.6	8.2259	0.0130
C128_7	J151	J85	CONDUIT	157.3	5.2511	0.0130
C129	J139	J32	CONDUIT	1077.2	3.7373	0.0230
C13	J17	J18	CONDUIT	13.0	7.9280	0.0300
C130	J112	J151	CONDUIT	39.2	2.1959	0.0130
C130_1	J30	J31	CONDUIT	99.8	0.9822	0.0300
C131	J149	J53	CONDUIT	26.1	5.6414	0.0130
C132	J59	J60	CONDUIT	200.0	7.3292	0.0240
C132_1	J149	J113	CONDUIT	365.2	9.4532	0.0220
C133	J156	J155	CONDUIT	19.8	3.5902	0.0200
C134	J57	J61	CONDUIT	98.7	12.2487	0.0240
C135	J58	J134	CONDUIT	41.8	1.8855	0.0300
C136	J134	J59	CONDUIT	87.8	4.4935	0.0220
C137	J144	J101	CONDUIT	19.1	4.3962	0.0130
C138	J57	J61	CONDUIT	100.1	9.8993	0.0200
C139	J155	J154	CONDUIT	31.2	1.1207	0.0130
C14	J18	J1	CONDUIT	170.0	3.0361	0.0300
C140	J62	J63	CONDUIT	119.3	6.3900	0.0200
C141	J64	J65	CONDUIT	36.8	0.0027	0.0200
C142	J66	J71	CONDUIT	192.3	6.8447	0.0240
C143	J162	J159	CONDUIT	30.6	0.0033	0.0240
C144	J156	J155	CONDUIT	17.6	8.4448	0.0130
C145	J158	J157	CONDUIT	5.8	0.5156	0.0240
C147	J157	J156	CONDUIT	17.9	12.0180	0.0700

C148	J35	J34	CONDUIT	224.8	
3.7058	0.0110				
C149	J34	J36	CONDUIT	43.5	
10.5722	0.0110				
C15	J13	J14	CONDUIT	22.3	
6.9280	0.0300				
C150	J22	J21	CONDUIT	14.3	
0.0070	0.0130				
C151	J14	J15	CONDUIT	65.6	
0.7618	0.0200				
C152	J162	J159	CONDUIT	24.4	
7.4931	0.0140				
C153	J159	J158	CONDUIT	392.2	
5.4549	0.0500				
C154	J163	J164	CONDUIT	10.6	-
1.3197	0.0130				
C155	J164	J162	CONDUIT	117.0	
4.3891	0.0700				
C156	J98	J99	CONDUIT	17.4	
13.5980	0.0240				
C157	J165	J163	CONDUIT	35.7	
6.7745	0.0130				
C158	J154	J166	CONDUIT	12.3	
6.5938	0.0300				
C159	J81	J82	CONDUIT	33.0	
16.9258	0.0110				
C16	J2	J13	CONDUIT	55.0	
1.5381	0.0300				
C160	J166	J167	CONDUIT	256.7	
3.9321	0.0240				
C160_3	J82	J85	CONDUIT	460.5	
6.4084	0.0110				
C161	J168	J169	CONDUIT	45.2	
1.3500	0.0130				
C162	J169	J40	CONDUIT	95.0	
8.8905	0.0130				
C163	J113	J59	CONDUIT	31.2	
0.3849	0.0110				
C164	J158	J157	CONDUIT	7.9	
0.0127	0.0240				
C165	J170	J40	CONDUIT	9.9	
3.0317	0.0130				
C166	J89	J90	CONDUIT	21.0	
2.4827	0.0110				
C167	J173	J174	CONDUIT	18.8	
0.4785	0.0130				
C168	J85	J87	CONDUIT	127.1	
0.0464	0.0110				
C169	J174	J175	CONDUIT	41.1	
3.7039	0.0130				
C169_2	J95	J96	CONDUIT	16.9	
3.6067	0.0110				
C169_3	J92	J109	CONDUIT	49.8	
4.0715	0.0110				
C169_4	J109	J95	CONDUIT	11.1	
4.0655	0.0110				
C17	J21	J2	CONDUIT	66.4	
3.5867	0.0300				
C170	J175	J172	CONDUIT	70.7	
4.3764	0.0130				

C170_4	J160	J161	CONDUIT	268.8	
5.8529	0.0350				
C170_6	J161	J52	CONDUIT	309.4	
3.8913	0.0350				
C171	J49	J160	CONDUIT	18.6	
6.0381	0.0350				
C172	J50	J161	CONDUIT	9.0	
8.7892	0.0350				
C173	J176	J41	CONDUIT	9.5	
128.9248	0.0130				
C174	J133	J137	CONDUIT	317.6	
5.1556	0.0110				
C175	J13	J14	CONDUIT	27.0	-
2.1514	0.0240				
C176	J4	J3	CONDUIT	42.1	
0.7795	0.0110				
C177	J19	J20	CONDUIT	6.5	
15.3877	0.0240				
C178	J177	J42	CONDUIT	14.8	
15.5118	0.0130				
C179	J178	J42	CONDUIT	56.6	
9.6750	0.0130				
C18	J22	J21	CONDUIT	12.8	
3.0469	0.0350				
C180	J179	J180	CONDUIT	48.6	
3.8523	0.0130				
C181	J180	J43	CONDUIT	10.4	
0.5776	0.0130				
C182	SU2	J181	CONDUIT	3.7	
7.0713	0.0300				
C183	J181	J44	CONDUIT	8.3	
4.0998	0.0130				
C184	J184	J15	CONDUIT	71.3	
4.8694	0.0130				
C185	J185	J186	CONDUIT	37.3	
3.1676	0.0240				
C186	J186	J31	CONDUIT	123.3	
5.3451	0.0240				
C187	J187	J50	CONDUIT	10.9	
0.9154	0.0130				
C188	J91	J73	CONDUIT	56.2	
2.5285	0.0130				
C19	J23	J22	CONDUIT	15.7	-
0.7565	0.0350				
C2	J3	J1	CONDUIT	167.0	
2.8539	0.0300				
C20	J24	J23	CONDUIT	60.4	
1.6158	0.0350				
C21	J25	J24	CONDUIT	38.7	
2.5786	0.0350				
C22	J26	J25	CONDUIT	50.0	
4.2576	0.0350				
C23	J27	J26	CONDUIT	71.5	
5.0115	0.0350				
C24	J28	J29	CONDUIT	86.6	
18.3150	0.0130				
C25	J29	J30	CONDUIT	123.9	
3.7729	0.0130				
C26	J30	J31	CONDUIT	94.8	
2.5231	0.0350				

C27	J31	J32	CONDUIT	13.3	1.7267	0.0130
C28	J32	J33	CONDUIT	37.8	3.5214	0.0130
C29	J34	J36	CONDUIT	39.2	3.8503	0.0130
C29_1	J33	J35	CONDUIT	220.0	4.1838	0.0130
C29_2	J35	J34	CONDUIT	220.7	4.1837	0.0130
C3	J6	J4	CONDUIT	157.5	7.6283	0.0350
C3_1	J4	J5	CONDUIT	16.1	3.5081	0.0200
C3_2	J5	J3	CONDUIT	19.9	3.5062	0.0200
C30	J36	J37	CONDUIT	61.8	1.2700	0.0350
C31	J37	J38	CONDUIT	119.3	8.2389	0.0350
C32	J38	J39	CONDUIT	37.5	3.8947	0.0300
C33	J171	J172	CONDUIT	8.9	3.2649	0.0130
C33_1	J40	J172	CONDUIT	67.9	2.1662	0.0130
C33_2	J172	J41	CONDUIT	80.0	4.1897	0.0130
C34	J41	J42	CONDUIT	65.0	0.1538	0.0130
C35	J42	J180	CONDUIT	151.0	2.0069	0.0130
C36	J43	J44	CONDUIT	113.2	4.1470	0.0130
C37	J183	J24	CONDUIT	133.6	11.0401	0.0130
C37_1	J44	J182	CONDUIT	19.0	5.0511	0.0130
C37_2	J182	J45	CONDUIT	21.4	5.0520	0.0240
C38	J46	J47	CONDUIT	28.9	0.6923	0.0130
C39	J47	J48	CONDUIT	26.0	3.0787	0.0130
C4	J9	J7	CONDUIT	36.6	0.7648	0.0200
C4_1	J7	J8	CONDUIT	23.2	1.2936	0.0350
C4_2	J8	J6	CONDUIT	132.2	6.5817	0.0350
C40	J48	J49	CONDUIT	39.2	2.6820	0.0130
C41	J50	J51	CONDUIT	130.2	4.8608	0.0130
C42	J51	J52	CONDUIT	181.9	4.7156	0.0130
C43	J53	J54	CONDUIT	41.8	3.8027	0.0130
C44	J54	J55	CONDUIT	73.5	6.5676	0.0130

C45	J55	J56	CONDUIT	126.2	11.7638	0.0240
C46	J132	J133	CONDUIT	152.3	5.3320	0.0130
C46_1	J58	J134	CONDUIT	39.1	7.5956	0.0400
C46_2	J134	J113	CONDUIT	73.5	5.2095	0.0230
C47	J56	J58	CONDUIT	119.5	4.0625	0.0240
C48	J59	J60	CONDUIT	196.9	6.5253	0.0130
C49	J61	J62	CONDUIT	29.3	2.7633	0.0130
C5	J10	J9	CONDUIT	26.5	12.8583	0.0350
C50	J62	J63	CONDUIT	114.5	5.1838	0.0130
C51	J63	J64	CONDUIT	147.2	6.1595	0.0350
C52	J64	J65	CONDUIT	33.3	0.7805	0.0130
C53	J66	J68	CONDUIT	15.7	10.1699	0.0130
C53_1	J65	J67	CONDUIT	109.9	3.7993	0.0350
C53_2	J67	J66	CONDUIT	92.4	3.7961	0.0350
C54	J68	J69	CONDUIT	70.7	0.8487	0.0130
C55	J69	J70	CONDUIT	104.7	2.6852	0.0130
C56	J70	J71	CONDUIT	97.7	3.8415	0.0240
C57	J72	J73	CONDUIT	217.5	3.1461	0.0130
C58	J74	J73	CONDUIT	45.0	4.6907	0.0130
C59	J75	J73	CONDUIT	42.1	6.2528	0.0130
C6	J11	J10	CONDUIT	160.9	12.1204	0.0350
C60	J76	J73	CONDUIT	48.8	6.5780	0.0130
C61	J77	J79	CONDUIT	84.9	2.6053	0.0240
C62	J79	J78	CONDUIT	46.0	9.9632	0.0240
C63	J78	J80	CONDUIT	152.5	4.4248	0.0240
C64	J81	J82	CONDUIT	31.2	3.0438	0.0130
C65	J83	J84	CONDUIT	28.1	6.0536	0.0130
C66	J84	J81	CONDUIT	30.8	8.4762	0.0130
C67	J85	J86	CONDUIT	102.1	1.0612	0.0240
C68	J86	J87	CONDUIT	19.8	3.8539	0.0240

C69	J87	J88	CONDUIT	14.5	5.2122	0.0240
C7	J12	J10	CONDUIT	166.7	10.1972	0.0350
C70	J88	J89	CONDUIT	54.5	7.5991	0.0240
C71	J89	J90	CONDUIT	19.1	6.6584	0.0240
C72	J152	J153	CONDUIT	17.1	5.8556	0.0130
C72_1	J90	J153	CONDUIT	23.7	3.9002	0.0130
C72_2	J153	J106	CONDUIT	70.7	3.3854	0.0130
C73	J104	J105	CONDUIT	40.8	1.9870	0.0130
C73_2	J106	J92	CONDUIT	42.7	2.3084	0.0130
C74	J92	J93	CONDUIT	11.1	4.7776	0.0240
C75	J93	J94	CONDUIT	37.4	4.3155	0.0240
C76	J94	J95	CONDUIT	10.8	3.8243	0.0240
C77	J95	J96	CONDUIT	16.5	0.7328	0.0200
C78	J96	J97	CONDUIT	159.8	5.3718	0.0240
C79	J98	J99	CONDUIT	15.5	3.5564	0.0130
C8	J14	J15	CONDUIT	61.9	0.6168	0.0300
C80	SU1	J11	CONDUIT	663.7	7.5091	0.0350
C80_2	J100	J12	CONDUIT	184.4	5.2484	0.0350
C80_3	J71	J167	CONDUIT	71.5	5.2489	0.0130
C80_4	J167	J100	CONDUIT	1151.0	5.2463	0.0130
C81	J99	SU1	CONDUIT	831.8	1.6689	0.0130
C82	J102	J103	CONDUIT	145.8	1.4950	0.0130
C82_1	J97	J101	CONDUIT	43.4	3.2716	0.0130
C82_2	J101	J98	CONDUIT	42.0	1.7879	0.0130
C83	J105	J106	CONDUIT	44.6	4.8218	0.0130
C85	J60	J57	CONDUIT	83.6	11.8461	0.0240
C85_1	J90	J92	CONDUIT	139.6	3.8680	0.0240
C86	J28	J148	CONDUIT	86.0	20.0892	0.0240
C87	J108	J111	CONDUIT	22.3	0.8965	0.0130
C88	J32	J33	CONDUIT	43.1	1.3473	0.0130

C89	J145	J146	CONDUIT	43.0	0.0023
0.0130					
C9	J15	J16	CONDUIT	11.2	13.6396
0.0300					
C90	J146	J101	CONDUIT	43.3	4.7851
0.0130					
C91	J143	J77	CONDUIT	110.6	4.9863
0.0300					
C92	J107	J98	CONDUIT	662.5	3.2246
0.0230					
C93	J113	J59	CONDUIT	29.0	9.4192
0.0130					
C94	J97	J98	CONDUIT	86.4	1.8863
0.0110					
C95	J60	J57	CONDUIT	79.7	8.3201
0.0130					
C96	J57	J61	CONDUIT	95.7	12.7355
0.0130					
C97	J114	J117	CONDUIT	179.8	5.1330
0.0350					
C97_1	J45	J117	CONDUIT	174.9	3.0135
0.0350					
C97_2	J117	J27	CONDUIT	358.8	2.9401
0.0350					
C98	J116	J115	CONDUIT	40.6	5.1553
0.0130					
C99	J115	J114	CONDUIT	16.5	4.9138
0.0130					
C11	J19	J20	WEIR		
C84	J103	J104	WEIR		

****
Cross Section Summary
****

Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
5	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	514.48
C1	XS1	9.99	238.32	6.06	30.55	1	7203.86
C10	XS11	6.36	52.31	2.72	10.60	1	657.98
C100	CIRCULAR	2.50	4.91	0.63	2.50	1	39.63
C101	XS28	8.97	139.40	0.70	29.94	1	1306.86
C102	CIRCULAR	2.50	4.91	0.63	2.50	1	54.03
C103	CIRCULAR	1.50	1.77	0.38	1.50	1	40.82
C104	CIRCULAR	2.00	3.14	0.50	2.00	1	21.13
C105	CIRCULAR	1.50	1.77	0.38	1.50	1	9.18

C106	CIRCULAR	1.50	1.77	0.38	1.50	1	9.45
C107	XS29	3.98	58.71	1.70	32.88	1	815.30
C108	CIRCULAR	2.00	3.14	0.50	2.00	1	64.64
C109	CIRCULAR	2.00	3.14	0.50	2.00	1	38.07
C110	CIRCULAR	1.50	1.77	0.38	1.50	1	30.48
C111	CIRCULAR	2.00	3.14	0.50	2.00	1	25.09
C112	CIRCULAR	2.00	3.14	0.50	2.00	1	65.50
C113	CIRCULAR	2.00	3.14	0.50	2.00	1	33.11
C114	CIRCULAR	2.00	3.14	0.50	2.00	1	62.40
C115	CIRCULAR	3.00	7.07	0.75	3.00	1	159.80
C116	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	402.08
C116_2	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1	206.06
C117	RECT_OPEN	1.00	27.00	0.93	27.00	1	222.36
C118	CIRCULAR	3.00	7.07	0.75	3.00	1	162.41
C119	CIRCULAR	3.50	9.62	0.88	3.50	1	332.13
C12	TRAPEZOIDAL	2.50	1275.00	2.45	520.00	1	1376.51
C120	CIRCULAR	3.50	9.62	0.88	3.50	1	143.66
C121	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	51.62
C122	RECT_OPEN	4.00	14.00	1.22	3.50	1	234.00
C122_1	ARCH	3.00	10.64	0.90	4.50	1	186.01
C122_2	ARCH	3.00	10.64	0.90	4.50	1	186.28
C123	CIRCULAR	2.50	4.91	0.63	2.50	1	83.15
C124	CIRCULAR	2.50	4.91	0.63	2.50	1	30.57
C125	CIRCULAR	2.50	4.91	0.63	2.50	1	60.56
C126	CIRCULAR	1.50	1.77	0.38	1.50	1	15.36
C127	CIRCULAR	1.00	0.79	0.25	1.00	1	8.34
C127_1	CIRCULAR	2.50	4.91	0.63	2.50	1	55.23
C127_2	CIRCULAR	2.50	4.91	0.63	2.50	1	110.35
C128	CIRCULAR	1.67	2.19	0.42	1.67	1	9.01
C128_1	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	194.16

C128_2	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1	628.29
C128_3	CIRCULAR	2.50	4.91	0.63	2.50	1	21.81
C128_4	CIRCULAR	2.00	3.14	0.50	2.00	1	27.74
C128_5	CIRCULAR	2.50	4.91	0.63	2.50	1	117.64
C128_7	CIRCULAR	2.50	4.91	0.63	2.50	1	93.99
C129	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	48.63
C13	RECT_CLOSED	4.30	33.54	1.39	7.80	1	581.49
C130	CIRCULAR	1.25	1.23	0.31	1.25	1	9.57
C130_1	TRAPEZOIDAL	1.00	24.00	0.85	28.00	1	105.69
C131	CIRCULAR	1.50	1.77	0.38	1.50	1	24.95
C132	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	166.42
C132_1	RECT_OPEN	1.00	5.00	0.71	5.00	1	82.97
C133	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	139.77
C134	RECT_OPEN	0.71	1.60	0.44	2.25	1	19.88
C135	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1	79.81
C136	RECT_OPEN	1.00	27.00	0.93	27.00	1	368.61
C137	CIRCULAR	1.25	1.23	0.31	1.25	1	13.54
C138	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	232.09
C139	CIRCULAR	2.50	4.91	0.63	2.50	1	43.42
C14	XS10	5.60	55.08	2.13	19.46	1	787.64
C140	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1	220.38
C141	TRAPEZOIDAL	2.00	36.00	1.36	26.00	1	17.11
C142	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1	190.07
C143	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1	22.30
C144	CIRCULAR	2.50	4.91	0.63	2.50	1	119.20
C145	CIRCULAR	0.67	0.35	0.17	0.67	1	0.48
C147	RECT_OPEN	2.50	7.50	0.94	3.00	1	52.87
C148	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	258.19
C149	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	436.10
C15	XS14	4.64	44.90	2.40	20.83	1	1050.32

C150	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
18.99						
C151	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1
408.83						
C152	CIRCULAR	1.00	0.79	0.25	1.00	1
9.06						
C153	RECT_OPEN	2.50	7.50	0.94	3.00	1
49.87						
C154	CIRCULAR	1.50	1.77	0.38	1.50	1
12.07						
C155	RECT_OPEN	2.50	7.50	0.94	3.00	1
31.95						
C156	TRAPEZOIDAL	1.00	16.00	0.90	17.00	1
339.89						
C157	CIRCULAR	1.00	0.79	0.25	1.00	1
9.27						
C158	CIRCULAR	2.50	4.91	0.63	2.50	1
45.64						
C159	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
2213.36						
C16	XS15	6.39	91.07	3.40	28.37	1
1263.79						
C160	RECT_OPEN	2.50	10.00	1.11	4.00	1
131.71						
C160_3	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
1361.93						
C161	CIRCULAR	1.50	1.77	0.38	1.50	1
12.20						
C162	CIRCULAR	2.50	4.91	0.63	2.50	1
122.30						
C163	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
83.21						
C164	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
13.87						
C165	CIRCULAR	1.00	0.79	0.25	1.00	1
6.20						
C166	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
847.70						
C167	CIRCULAR	1.00	0.79	0.25	1.00	1
2.46						
C168	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
115.93						
C169	CIRCULAR	1.50	1.77	0.38	1.50	1
20.22						
C169_2	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6354.63						
C169_3	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6751.74						
C169_4	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6746.76						
C17	XS16	5.78	75.72	1.54	34.13	1
948.95						
C170	CIRCULAR	1.50	1.77	0.38	1.50	1
21.98						
C170_4	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
101.98						
C170_6	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
83.15						
C171	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
52.42						

C172	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
63.25						
C173	ARCH	1.50	2.80	0.45	2.38	1
213.41						
C174	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
154.14						
C175	TRAPEZOIDAL	3.00	54.00	2.30	21.00	1
854.34						
C176	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
118.41						
C177	TRAPEZOIDAL	2.00	24.00	1.53	14.00	1
774.95						
C178	CIRCULAR	1.50	1.77	0.38	1.50	1
41.37						
C179	CIRCULAR	1.50	1.77	0.38	1.50	1
32.67						
C18	ARCH	4.00	31.52	1.20	10.00	1
263.22						
C180	CIRCULAR	1.50	1.77	0.38	1.50	1
20.62						
C181	CIRCULAR	3.00	7.07	0.75	3.00	1
50.69						
C182	CIRCULAR	0.67	0.35	0.17	0.67	1
1.41						
C183	CIRCULAR	1.25	1.23	0.31	1.25	1
13.08						
C184	CIRCULAR	1.50	1.77	0.38	1.50	1
23.18						
C185	CIRCULAR	1.00	0.79	0.25	1.00	1
3.43						
C186	CIRCULAR	1.50	1.77	0.38	1.50	1
13.15						
C187	CIRCULAR	1.00	0.79	0.25	1.00	1
3.41						
C188	CIRCULAR	1.25	1.23	0.31	1.25	1
10.27						
C19	XS17	8.40	188.17	4.94	35.59	1
2015.69						
C2	XS2	5.38	99.15	3.52	24.27	1
1918.56						
C20	XS18	11.03	217.69	6.41	34.67	1
4055.42						
C21	XS19	8.02	133.18	2.95	30.03	1
1868.33						
C22	XS20	5.24	77.90	2.23	23.90	1
1166.20						
C23	XS21	5.11	77.61	3.04	26.97	1
1547.01						
C24	CIRCULAR	2.00	3.14	0.50	2.00	1
96.81						
C25	CIRCULAR	2.50	4.91	0.63	2.50	1
79.67						
C26	XS22	3.53	48.41	1.64	28.19	1
453.10						
C27	CIRCULAR	2.50	4.91	0.63	2.50	1
53.90						
C28	CIRCULAR	2.50	4.91	0.63	2.50	1
76.97						
C29	CIRCULAR	3.50	9.62	0.88	3.50	1
197.42						

C29_1	CIRCULAR	2.50	4.91	0.63	2.50	1
83.90						
C29_2	CIRCULAR	3.50	9.62	0.88	3.50	1
205.79						
C3	XS3	4.55	95.83	3.21	25.34	1
2443.35						
C3_1	RECT_CLOSED	5.00	55.00	1.72	11.00	1
1098.24						
C3_2	RECT_CLOSED	6.00	66.00	1.94	11.00	1
1428.87						
C30	XS23	4.08	74.78	2.57	32.83	1
671.71						
C31	XS24	6.43	125.90	3.87	37.26	1
3779.07						
C32	RECT_CLOSED	4.00	40.00	1.43	10.00	1
495.98						
C33	CIRCULAR	1.50	1.77	0.38	1.50	1
18.98						
C33_1	CIRCULAR	2.50	4.91	0.63	2.50	1
60.37						
C33_2	CIRCULAR	3.00	7.07	0.75	3.00	1
136.52						
C34	CIRCULAR	3.00	7.07	0.75	3.00	1
26.15						
C35	CIRCULAR	3.00	7.07	0.75	3.00	1
94.49						
C36	CIRCULAR	3.00	7.07	0.75	3.00	1
135.83						
C37	CIRCULAR	1.25	1.23	0.31	1.25	1
21.46						
C37_1	CIRCULAR	3.00	7.07	0.75	3.00	1
149.90						
C37_2	CIRCULAR	3.00	7.07	0.75	3.00	1
81.20						
C38	CIRCULAR	3.00	7.07	0.75	3.00	1
55.50						
C39	CIRCULAR	2.50	4.91	0.63	2.50	1
71.97						
C4	CIRCULAR	11.00	95.03	2.75	11.00	1
1212.05						
C4_1	XS7	10.02	77.59	2.93	16.77	1
766.62						
C4_2	XS4	5.64	119.40	3.66	29.37	1
3090.82						
C40	CIRCULAR	2.50	4.91	0.63	2.50	1
67.17						
C41	CIRCULAR	3.00	7.07	0.75	3.00	1
147.05						
C42	CIRCULAR	3.00	7.07	0.75	3.00	1
144.84						
C43	CIRCULAR	1.50	1.77	0.38	1.50	1
20.48						
C44	CIRCULAR	2.00	3.14	0.50	2.00	1
57.98						
C45	CIRCULAR	2.00	3.14	0.50	2.00	1
42.03						
C46	CIRCULAR	3.50	9.62	0.88	3.50	1
232.32						
C46_1	TRAPEZOIDAL	1.00	5.00	0.73	6.00	1
41.59						

C46_2	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	57.41
C47	CIRCULAR	1.50	1.77	0.38	1.50	2	11.47
C48	CIRCULAR	1.67	2.19	0.42	1.67	1	35.73
C49	CIRCULAR	1.50	1.77	0.38	1.50	1	17.46
C5	XS5	7.55	124.26	4.38	21.74	1	5068.01
C50	CIRCULAR	1.50	1.77	0.38	1.50	1	23.92
C51	XS25	2.17	19.95	0.98	19.55	1	207.15
C52	CIRCULAR	3.00	7.07	0.75	3.00	1	58.93
C53	CIRCULAR	2.50	4.91	0.63	2.50	1	130.80
C53_1	XS26	3.96	28.25	1.90	11.38	1	358.74
C53_2	XS27	2.82	15.24	1.42	7.80	1	159.60
C54	ARCH	2.00	6.30	0.60	4.00	1	47.12
C55	CIRCULAR	2.50	4.91	0.63	2.50	1	67.21
C56	CIRCULAR	2.00	3.14	0.50	2.00	1	24.02
C57	CIRCULAR	2.50	4.91	0.63	2.50	1	72.75
C58	CIRCULAR	1.25	1.23	0.31	1.25	1	13.99
C59	CIRCULAR	1.25	1.23	0.31	1.25	1	16.15
C6	XS8	3.76	38.43	2.26	12.47	1	979.41
C60	CIRCULAR	1.25	1.23	0.31	1.25	1	16.57
C61	CIRCULAR	2.50	4.91	0.63	2.50	1	35.86
C62	CIRCULAR	2.50	4.91	0.63	2.50	1	70.13
C63	CIRCULAR	2.50	4.91	0.63	2.50	1	46.74
C64	CIRCULAR	1.67	2.19	0.42	1.67	1	24.40
C65	CIRCULAR	1.67	2.19	0.42	1.67	1	34.41
C66	CIRCULAR	1.67	2.19	0.42	1.67	1	40.72
C67	Trous1	3.23	26.17	1.80	9.45	1	247.10
C68	Trous2	3.54	28.38	1.99	8.61	1	545.43
C69	Trous3	3.40	37.44	2.20	12.94	1	896.26
C7	XS9	3.75	85.07	2.47	33.46	1	2105.63
C70	Trous3	3.40	37.44	2.20	12.94	1	1082.18

C71	Trous4-5	4.71	28.45	2.04	7.89	1
730.46						
C72	CIRCULAR	1.25	1.23	0.31	1.25	1
15.63						
C72_1	CIRCULAR	3.50	9.62	0.88	3.50	1
198.69						
C72_2	CIRCULAR	3.50	9.62	0.88	3.50	1
185.12						
C73	ARCH	1.00	1.32	0.30	1.67	1
9.48						
C73_2	CIRCULAR	3.50	9.62	0.88	3.50	1
152.86						
C74	Trous6	4.31	18.52	1.70	4.86	1
357.06						
C75	Trous7	4.47	21.79	1.76	6.63	1
408.41						
C76	Trous8	4.61	21.15	1.48	7.05	1
331.89						
C77	RECT_CLOSED	2.50	10.00	0.77	4.00	1
53.40						
C78	Trous10	3.75	22.25	1.42	10.55	1
403.94						
C79	CIRCULAR	3.50	9.62	0.88	3.50	1
189.73						
C8	RECT_CLOSED	4.50	45.00	1.55	10.00	1
234.63						
C80	XS8	3.76	38.43	2.26	12.47	1
770.90						
C80_2	XS9	3.75	85.07	2.47	33.46	1
1510.62						
C80_3	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1
2343.69						
C80_4	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1
2343.11						
C81	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1
1321.52						
C82	CIRCULAR	1.00	0.79	0.25	1.00	1
4.36						
C82_1	CIRCULAR	3.50	9.62	0.88	3.50	1
181.98						
C82_2	CIRCULAR	3.50	9.62	0.88	3.50	1
134.53						
C83	ARCH	1.00	1.32	0.30	1.67	1
14.77						
C85	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
211.58						
C85_1	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
3016.20						
C86	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
275.52						
C87	CIRCULAR	1.25	1.23	0.31	1.25	1
6.12						
C88	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
263.55						
C89	CIRCULAR	1.25	1.23	0.31	1.25	1
0.31						
C9	XS11	6.36	52.31	2.72	10.60	1
1863.70						
C90	CIRCULAR	1.25	1.23	0.31	1.25	1
14.13						

C91	RECT_OPEN	3.80	16.72	1.39	4.40	1	230.71
C92	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	45.17
C93	CIRCULAR	1.67	2.19	0.42	1.67	1	42.92
C94	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1	4595.61
C95	CIRCULAR	1.50	1.77	0.38	1.50	1	30.30
C96	CIRCULAR	1.50	1.77	0.38	1.50	1	37.49
C97	XS28	8.97	139.40	0.70	29.94	1	1061.84
C97_1	XS28	8.97	139.40	0.70	29.94	1	813.59
C97_2	XS28	8.97	139.40	0.70	29.94	1	803.62
C98	CIRCULAR	1.50	1.77	0.38	1.50	1	23.85
C99	CIRCULAR	1.50	1.77	0.38	1.50	1	23.29

****
Transect Summary
****

Transect Spillway
Area:

0.0014	0.0045	0.0085	0.0135	0.0195	
0.0265	0.0345	0.0434	0.0534	0.0643	
0.0762	0.0890	0.1029	0.1177	0.1335	
0.1503	0.1681	0.1869	0.2067	0.2274	
0.2491	0.2718	0.2955	0.3201	0.3457	
0.3716	0.3975	0.4235	0.4494	0.4754	
0.5014	0.5275	0.5536	0.5797	0.6058	
0.6319	0.6581	0.6843	0.7105	0.7368	
0.7630	0.7893	0.8156	0.8420	0.8683	
0.8946	0.9209	0.9473	0.9736	1.0000	

Hrad:

0.0163	0.0366	0.0544	0.0709	0.0868
0.1023	0.1175	0.1325	0.1474	0.1623
0.1770	0.1917	0.2064	0.2210	0.2356
0.2502	0.2647	0.2792	0.2937	0.3082
0.3227	0.3372	0.3517	0.3661	0.3841
0.4110	0.4377	0.4642	0.4905	0.5166
0.5425	0.5682	0.5937	0.6190	0.6441
0.6691	0.6938	0.7184	0.7428	0.7670
0.7911	0.8150	0.8387	0.8623	0.8857
0.9089	0.9319	0.9548	0.9775	1.0000

Width:

0.0971	0.1343	0.1716	0.2088	0.2461
0.2833	0.3206	0.3578	0.3951	0.4324
0.4696	0.5069	0.5441	0.5814	0.6186
0.6559	0.6931	0.7304	0.7676	0.8049
0.8421	0.8794	0.9166	0.9539	0.9812

```
            0.9822     0.9832     0.9842     0.9852     0.9862
            0.9872     0.9882     0.9892     0.9901     0.9911
            0.9921     0.9931     0.9941     0.9951     0.9961
            0.9970     0.9973     0.9976     0.9980     0.9983
            0.9987     0.9990     0.9993     0.9997     1.0000

Transect Street1
Area:
            0.0004     0.0017     0.0037     0.0066     0.0103
            0.0149     0.0202     0.0264     0.0335     0.0413
            0.0500     0.0595     0.0698     0.0810     0.0930
            0.1058     0.1194     0.1339     0.1492     0.1653
            0.1822     0.2000     0.2186     0.2380     0.2582
            0.2793     0.3012     0.3239     0.3475     0.3719
            0.3971     0.4231     0.4499     0.4776     0.5061
            0.5355     0.5656     0.5965     0.6275     0.6585
            0.6895     0.7207     0.7527     0.7856     0.8192
            0.8537     0.8891     0.9252     0.9622     1.0000
Hrad:
            0.0167     0.0333     0.0500     0.0667     0.0833
            0.1000     0.1167     0.1333     0.1500     0.1667
            0.1833     0.2000     0.2167     0.2333     0.2500
            0.2667     0.2833     0.3000     0.3167     0.3333
            0.3500     0.3667     0.3833     0.4000     0.4167
            0.4333     0.4500     0.4667     0.4833     0.5000
            0.5167     0.5333     0.5500     0.5667     0.5833
            0.6000     0.6167     0.6415     0.6745     0.7074
            0.7403     0.7731     0.8049     0.8355     0.8651
            0.8938     0.9216     0.9485     0.9746     1.0000
Width:
            0.0216     0.0432     0.0649     0.0865     0.1081
            0.1297     0.1514     0.1730     0.1946     0.2162
            0.2378     0.2595     0.2811     0.3027     0.3243
            0.3459     0.3676     0.3892     0.4108     0.4324
            0.4541     0.4757     0.4973     0.5189     0.5405
            0.5622     0.5838     0.6054     0.6270     0.6486
            0.6703     0.6919     0.7135     0.7351     0.7568
            0.7784     0.8000     0.8108     0.8108     0.8108
            0.8108     0.8270     0.8486     0.8703     0.8919
            0.9135     0.9351     0.9568     0.9784     1.0000

Transect Street1-ValleyGutters
Area:
            0.0002     0.0007     0.0015     0.0026     0.0041
            0.0059     0.0081     0.0105     0.0133     0.0165
            0.0199     0.0237     0.0278     0.0323     0.0371
            0.0422     0.0476     0.0534     0.0594     0.0659
            0.0726     0.0799     0.0890     0.0998     0.1124
            0.1269     0.1432     0.1613     0.1812     0.2029
            0.2265     0.2518     0.2790     0.3080     0.3389
            0.3715     0.4060     0.4423     0.4804     0.5203
            0.5620     0.6056     0.6510     0.6970     0.7430
            0.7901     0.8394     0.8908     0.9443     1.0000
Hrad:
            0.0242     0.0484     0.0726     0.0968     0.1210
            0.1452     0.1694     0.1936     0.2178     0.2420
            0.2661     0.2903     0.3145     0.3387     0.3629
```

```
            0.3871     0.4113     0.4355     0.4597     0.4839
            0.5081     0.4784     0.4353     0.4131     0.4033
            0.4016     0.4053     0.4131     0.4237     0.4365
            0.4511     0.4670     0.4840     0.5020     0.5206
            0.5399     0.5597     0.5800     0.6006     0.6216
            0.6429     0.6645     0.6900     0.7381     0.7861
            0.8333     0.8779     0.9203     0.9609     1.0000
Width:
            0.0058     0.0116     0.0174     0.0232     0.0290
            0.0348     0.0406     0.0464     0.0522     0.0580
            0.0638     0.0696     0.0754     0.0812     0.0870
            0.0928     0.0986     0.1044     0.1102     0.1160
            0.1218     0.1426     0.1747     0.2067     0.2387
            0.2708     0.3028     0.3348     0.3669     0.3989
            0.4310     0.4630     0.4950     0.5271     0.5591
            0.5911     0.6232     0.6552     0.6872     0.7193
            0.7513     0.7834     0.8108     0.8108     0.8108
            0.8486     0.8865     0.9243     0.9622     1.0000

Transect Trous1
Area:
            0.0164     0.0352     0.0541     0.0730     0.0920
            0.1110     0.1300     0.1492     0.1683     0.1876
            0.2069     0.2262     0.2456     0.2650     0.2845
            0.3041     0.3237     0.3434     0.3631     0.3828
            0.4027     0.4225     0.4425     0.4624     0.4825
            0.5026     0.5227     0.5429     0.5632     0.5835
            0.6038     0.6242     0.6447     0.6652     0.6858
            0.7064     0.7271     0.7478     0.7686     0.7894
            0.8103     0.8313     0.8523     0.8733     0.8943
            0.9154     0.9365     0.9576     0.9787     1.0000
Hrad:
            0.0309     0.0651     0.0983     0.1305     0.1618
            0.1922     0.2217     0.2504     0.2784     0.3056
            0.3321     0.3580     0.3832     0.4078     0.4317
            0.4552     0.4780     0.5004     0.5222     0.5436
            0.5644     0.5849     0.6049     0.6245     0.6437
            0.6625     0.6809     0.6989     0.7167     0.7340
            0.7511     0.7678     0.7843     0.8004     0.8163
            0.8319     0.8472     0.8622     0.8770     0.8916
            0.9059     0.9206     0.9392     0.9575     0.9758
            0.9938     1.0118     1.0295     1.0472     1.0000
Width:
            0.8047     0.8070     0.8093     0.8116     0.8139
            0.8162     0.8185     0.8208     0.8231     0.8254
            0.8277     0.8300     0.8323     0.8346     0.8369
            0.8392     0.8415     0.8438     0.8461     0.8484
            0.8507     0.8530     0.8553     0.8576     0.8599
            0.8622     0.8645     0.8668     0.8691     0.8714
            0.8737     0.8760     0.8783     0.8806     0.8829
            0.8852     0.8875     0.8898     0.8921     0.8944
            0.8966     0.8988     0.8999     0.9010     0.9021
            0.9032     0.9043     0.9054     0.9066     1.0000

Transect Trous10
Area:
            0.0105     0.0234     0.0364     0.0495     0.0626
```

0.0758 0.0891 0.1025 0.1159 0.1294
0.1430 0.1567 0.1704 0.1842 0.1981
0.2121 0.2261 0.2402 0.2544 0.2687
0.2830 0.2974 0.3119 0.3264 0.3411
0.3558 0.3706 0.3863 0.4052 0.4254
0.4467 0.4692 0.4928 0.5177 0.5438
0.5711 0.5995 0.6292 0.6597 0.6903
0.7209 0.7516 0.7822 0.8129 0.8437
0.8745 0.9055 0.9366 0.9678 1.0000
Hrad:
0.0418 0.0895 0.1341 0.1759 0.2151
0.2521 0.2869 0.3199 0.3512 0.3809
0.4091 0.4360 0.4617 0.4863 0.5099
0.5324 0.5541 0.5750 0.5950 0.6144
0.6331 0.6511 0.6686 0.6855 0.7018
0.7177 0.7331 0.6667 0.6676 0.6703
0.6746 0.6802 0.6871 0.6951 0.7041
0.7139 0.7245 0.7358 0.7619 0.7928
0.8234 0.8537 0.8836 0.9133 0.9427
0.9717 1.0002 1.0284 1.0562 1.0000
Width:
0.3622 0.3643 0.3664 0.3685 0.3706
0.3727 0.3748 0.3769 0.3790 0.3811
0.3832 0.3853 0.3874 0.3895 0.3916
0.3937 0.3958 0.3979 0.4000 0.4021
0.4042 0.4063 0.4084 0.4106 0.4127
0.4148 0.4169 0.5153 0.5489 0.5824
0.6160 0.6495 0.6831 0.7167 0.7502
0.7838 0.8173 0.8509 0.8603 0.8611
0.8618 0.8626 0.8634 0.8642 0.8662
0.8695 0.8728 0.8761 0.8794 1.0000

Transect Trous2
Area:
0.0100 0.0288 0.0477 0.0667 0.0857
0.1047 0.1238 0.1430 0.1622 0.1815
0.2008 0.2202 0.2397 0.2592 0.2788
0.2984 0.3181 0.3379 0.3577 0.3775
0.3975 0.4174 0.4375 0.4576 0.4777
0.4980 0.5182 0.5386 0.5589 0.5794
0.5999 0.6204 0.6411 0.6617 0.6825
0.7033 0.7241 0.7450 0.7660 0.7870
0.8081 0.8292 0.8504 0.8717 0.8930
0.9143 0.9357 0.9571 0.9785 1.0000
Hrad:
0.0187 0.0529 0.0860 0.1180 0.1489
0.1789 0.2080 0.2362 0.2635 0.2901
0.3159 0.3410 0.3655 0.3892 0.4124
0.4349 0.4569 0.4783 0.4992 0.5197
0.5396 0.5590 0.5781 0.5967 0.6149
0.6327 0.6501 0.6671 0.6838 0.7002
0.7163 0.7320 0.7474 0.7625 0.7774
0.7920 0.8063 0.8204 0.8342 0.8478
0.8611 0.8742 0.8871 0.8999 0.9162
0.9332 0.9501 0.9669 0.9835 1.0000
Width:
0.8751 0.8778 0.8805 0.8832 0.8859

0.8886 0.8913 0.8940 0.8967 0.8994
0.9021 0.9048 0.9075 0.9102 0.9129
0.9156 0.9183 0.9210 0.9237 0.9264
0.9291 0.9318 0.9345 0.9372 0.9399
0.9426 0.9453 0.9480 0.9507 0.9534
0.9561 0.9588 0.9615 0.9642 0.9669
0.9696 0.9723 0.9750 0.9777 0.9804
0.9831 0.9858 0.9886 0.9913 0.9929
0.9943 0.9957 0.9972 0.9986 1.0000

Transect Trous3
Area:
0.0013 0.0050 0.0113 0.0202 0.0315
0.0454 0.0617 0.0792 0.0973 0.1160
0.1353 0.1552 0.1756 0.1966 0.2176
0.2387 0.2599 0.2812 0.3025 0.3239
0.3454 0.3670 0.3886 0.4103 0.4321
0.4539 0.4758 0.4978 0.5199 0.5420
0.5643 0.5865 0.6089 0.6313 0.6538
0.6764 0.6991 0.7218 0.7446 0.7675
0.7904 0.8134 0.8365 0.8597 0.8829
0.9062 0.9296 0.9530 0.9765 1.0000
Hrad:
0.0153 0.0306 0.0458 0.0611 0.0764
0.0917 0.1094 0.1351 0.1598 0.1837
0.2068 0.2293 0.2512 0.2760 0.3019
0.3274 0.3524 0.3770 0.4011 0.4247
0.4479 0.4708 0.4932 0.5152 0.5369
0.5582 0.5792 0.5999 0.6202 0.6402
0.6598 0.6792 0.6983 0.7171 0.7357
0.7540 0.7720 0.7898 0.8073 0.8246
0.8416 0.8584 0.8751 0.8915 0.9076
0.9236 0.9416 0.9612 0.9807 1.0000
Width:
0.1071 0.2143 0.3214 0.4286 0.5357
0.6429 0.7313 0.7564 0.7816 0.8067
0.8319 0.8570 0.8822 0.8927 0.8958
0.8989 0.9020 0.9051 0.9082 0.9113
0.9144 0.9175 0.9206 0.9238 0.9269
0.9300 0.9331 0.9362 0.9393 0.9424
0.9455 0.9486 0.9517 0.9548 0.9579
0.9610 0.9641 0.9672 0.9703 0.9734
0.9765 0.9796 0.9827 0.9858 0.9890
0.9921 0.9944 0.9963 0.9981 1.0000

Transect Trous4
Area:
0.0106 0.0218 0.0334 0.0454 0.0577
0.0705 0.0836 0.0971 0.1110 0.1252
0.1399 0.1549 0.1703 0.1861 0.2023
0.2188 0.2358 0.2531 0.2708 0.2889
0.3073 0.3261 0.3454 0.3650 0.3850
0.4053 0.4261 0.4472 0.4687 0.4906
0.5128 0.5355 0.5585 0.5819 0.6057
0.6299 0.6545 0.6794 0.7047 0.7304
0.7565 0.7829 0.8094 0.8362 0.8630
0.8901 0.9173 0.9447 0.9723 1.0000

Hrad:

0.0401	0.0779	0.1132	0.1461	0.1772
0.2066	0.2345	0.2611	0.2866	0.3112
0.3348	0.3576	0.3798	0.4013	0.4222
0.4425	0.4625	0.4819	0.5010	0.5197
0.5381	0.5561	0.5739	0.5914	0.6087
0.6257	0.6425	0.6592	0.6756	0.6919
0.7080	0.7239	0.7397	0.7554	0.7709
0.7864	0.8017	0.8169	0.8320	0.8470
0.8619	0.8782	0.8944	0.9103	0.9259
0.9412	0.9562	0.9711	0.9856	1.0000

Width:

0.3964	0.4101	0.4238	0.4375	0.4512
0.4649	0.4786	0.4923	0.5060	0.5197
0.5334	0.5471	0.5609	0.5746	0.5883
0.6020	0.6157	0.6294	0.6431	0.6568
0.6705	0.6842	0.6979	0.7116	0.7254
0.7391	0.7528	0.7665	0.7802	0.7939
0.8076	0.8213	0.8350	0.8487	0.8624
0.8761	0.8899	0.9036	0.9173	0.9310
0.9447	0.9517	0.9577	0.9637	0.9698
0.9758	0.9819	0.9879	0.9940	1.0000

Transect Trous4-5

Area:

0.0102	0.0213	0.0331	0.0456	0.0588
0.0725	0.0867	0.1015	0.1169	0.1327
0.1488	0.1653	0.1820	0.1990	0.2163
0.2339	0.2519	0.2701	0.2886	0.3074
0.3265	0.3459	0.3656	0.3856	0.4060
0.4266	0.4475	0.4687	0.4902	0.5120
0.5341	0.5565	0.5792	0.6022	0.6256
0.6492	0.6731	0.6973	0.7217	0.7463
0.7710	0.7959	0.8209	0.8460	0.8713
0.8968	0.9224	0.9481	0.9740	1.0000

Hrad:

0.0428	0.0822	0.1183	0.1519	0.1843
0.2148	0.2436	0.2710	0.2973	0.3248
0.3513	0.3767	0.4011	0.4245	0.4471
0.4690	0.4902	0.5107	0.5306	0.5500
0.5689	0.5874	0.6054	0.6230	0.6403
0.6573	0.6739	0.6902	0.7063	0.7221
0.7376	0.7529	0.7681	0.7830	0.7977
0.8122	0.8266	0.8408	0.8556	0.8700
0.8842	0.8981	0.9117	0.9250	0.9381
0.9509	0.9635	0.9759	0.9880	1.0000

Width:

0.4105	0.4385	0.4665	0.4937	0.5148
0.5360	0.5572	0.5784	0.5996	0.6121
0.6235	0.6350	0.6465	0.6580	0.6695
0.6809	0.6924	0.7039	0.7154	0.7269
0.7383	0.7498	0.7613	0.7728	0.7843
0.7957	0.8072	0.8187	0.8302	0.8417
0.8531	0.8646	0.8761	0.8876	0.8990
0.9105	0.9220	0.9335	0.9393	0.9449
0.9504	0.9559	0.9614	0.9669	0.9724
0.9779	0.9835	0.9890	0.9945	1.0000

Transect Trous5

Area:

0.0140	0.0285	0.0432	0.0582	0.0734
0.0889	0.1046	0.1205	0.1368	0.1532
0.1699	0.1868	0.2040	0.2215	0.2392
0.2571	0.2753	0.2937	0.3124	0.3313
0.3504	0.3699	0.3895	0.4094	0.4296
0.4500	0.4706	0.4915	0.5126	0.5340
0.5556	0.5775	0.5996	0.6220	0.6446
0.6674	0.6904	0.7134	0.7366	0.7599
0.7834	0.8070	0.8306	0.8545	0.8784
0.9025	0.9267	0.9510	0.9754	1.0000

Hrad:

0.0512	0.0988	0.1424	0.1828	0.2202
0.2552	0.2880	0.3188	0.3480	0.3755
0.4018	0.4268	0.4507	0.4736	0.4956
0.5168	0.5372	0.5569	0.5760	0.5945
0.6125	0.6300	0.6470	0.6636	0.6798
0.6957	0.7112	0.7264	0.7412	0.7558
0.7702	0.7843	0.7981	0.8118	0.8252
0.8387	0.8519	0.8648	0.8774	0.8897
0.9018	0.9136	0.9251	0.9364	0.9475
0.9584	0.9691	0.9796	0.9899	1.0000

Width:

0.5828	0.5928	0.6028	0.6128	0.6229
0.6329	0.6429	0.6529	0.6629	0.6729
0.6829	0.6929	0.7029	0.7129	0.7229
0.7329	0.7430	0.7530	0.7630	0.7730
0.7830	0.7930	0.8030	0.8130	0.8230
0.8330	0.8430	0.8530	0.8631	0.8731
0.8831	0.8931	0.9031	0.9131	0.9231
0.9288	0.9339	0.9389	0.9440	0.9491
0.9542	0.9593	0.9644	0.9695	0.9746
0.9796	0.9847	0.9898	0.9949	1.0000

Transect Trous6

Area:

0.0118	0.0283	0.0451	0.0620	0.0790
0.0962	0.1136	0.1312	0.1489	0.1667
0.1848	0.2030	0.2213	0.2398	0.2585
0.2774	0.2964	0.3155	0.3349	0.3544
0.3740	0.3938	0.4138	0.4340	0.4543
0.4748	0.4954	0.5162	0.5371	0.5583
0.5795	0.6010	0.6226	0.6444	0.6662
0.6881	0.7101	0.7321	0.7542	0.7763
0.7984	0.8206	0.8429	0.8652	0.8875
0.9099	0.9324	0.9549	0.9774	1.0000

Hrad:

0.0350	0.0804	0.1222	0.1609	0.1969
0.2305	0.2619	0.2914	0.3192	0.3455
0.3704	0.3940	0.4165	0.4380	0.4585
0.4781	0.4969	0.5150	0.5325	0.5493
0.5655	0.5812	0.5964	0.6111	0.6253
0.6392	0.6527	0.6659	0.6787	0.6912
0.7033	0.7153	0.7269	0.7389	0.7571
0.7749	0.7925	0.8098	0.8269	0.8438

0.8604 0.8767 0.8929 0.9088 0.9245
0.9400 0.9553 0.9704 0.9853 1.0000
Width:
0.7292 0.7364 0.7435 0.7507 0.7579
0.7651 0.7723 0.7795 0.7867 0.7939
0.8011 0.8082 0.8154 0.8226 0.8298
0.8370 0.8442 0.8514 0.8586 0.8658
0.8730 0.8801 0.8873 0.8945 0.9017
0.9089 0.9161 0.9233 0.9305 0.9377
0.9449 0.9520 0.9592 0.9660 0.9681
0.9702 0.9724 0.9745 0.9766 0.9787
0.9809 0.9830 0.9851 0.9872 0.9894
0.9915 0.9936 0.9957 0.9979 1.0000

Transect Trous7
Area:
0.0061 0.0199 0.0341 0.0484 0.0629
0.0775 0.0924 0.1074 0.1226 0.1379
0.1534 0.1691 0.1850 0.2010 0.2172
0.2336 0.2501 0.2668 0.2837 0.3008
0.3180 0.3354 0.3530 0.3708 0.3887
0.4068 0.4250 0.4435 0.4621 0.4809
0.5003 0.5246 0.5503 0.5761 0.6020
0.6279 0.6539 0.6800 0.7062 0.7325
0.7589 0.7853 0.8119 0.8385 0.8652
0.8920 0.9189 0.9458 0.9729 1.0000
Hrad:
0.0247 0.0677 0.1102 0.1493 0.1854
0.2191 0.2504 0.2798 0.3074 0.3335
0.3581 0.3815 0.4037 0.4249 0.4452
0.4646 0.4832 0.5011 0.5183 0.5350
0.5510 0.5666 0.5817 0.5963 0.6105
0.6243 0.6378 0.6509 0.6637 0.6763
0.6876 0.6057 0.6299 0.6539 0.6775
0.7008 0.7239 0.7467 0.7691 0.7914
0.8133 0.8350 0.8564 0.8776 0.8986
0.9193 0.9398 0.9601 0.9802 1.0000
Width:
0.4484 0.5174 0.5237 0.5300 0.5363
0.5427 0.5490 0.5553 0.5616 0.5679
0.5743 0.5806 0.5869 0.5932 0.5995
0.6059 0.6122 0.6185 0.6248 0.6311
0.6375 0.6438 0.6501 0.6564 0.6627
0.6691 0.6754 0.6817 0.6880 0.6943
0.7926 0.9439 0.9470 0.9501 0.9533
0.9564 0.9595 0.9626 0.9657 0.9688
0.9720 0.9751 0.9782 0.9813 0.9844
0.9875 0.9907 0.9938 0.9969 1.0000

Transect Trous8
Area:
0.0033 0.0131 0.0288 0.0454 0.0621
0.0789 0.0957 0.1127 0.1298 0.1469
0.1642 0.1815 0.1989 0.2164 0.2341
0.2518 0.2696 0.2875 0.3054 0.3235
0.3417 0.3599 0.3783 0.3967 0.4153
0.4339 0.4526 0.4714 0.4903 0.5093

0.5287 0.5528 0.5770 0.6014 0.6257
0.6502 0.6746 0.6992 0.7237 0.7483
0.7730 0.7977 0.8225 0.8473 0.8722
0.8972 0.9223 0.9476 0.9730 1.0000
Hrad:
0.0295 0.0590 0.1005 0.1516 0.1987
0.2424 0.2829 0.3208 0.3562 0.3893
0.4206 0.4500 0.4778 0.5042 0.5292
0.5530 0.5756 0.5973 0.6179 0.6377
0.6567 0.6750 0.6925 0.7094 0.7256
0.7414 0.7565 0.7712 0.7855 0.7992
0.8119 0.7478 0.7738 0.7994 0.8247
0.8496 0.8742 0.8984 0.9222 0.9458
0.9690 0.9919 1.0145 1.0368 1.0588
1.0804 1.1016 1.1223 1.1426 1.0000
Width:
0.2136 0.4271 0.5388 0.5418 0.5448
0.5478 0.5508 0.5538 0.5568 0.5598
0.5628 0.5658 0.5688 0.5717 0.5747
0.5777 0.5807 0.5837 0.5867 0.5897
0.5927 0.5957 0.5987 0.6017 0.6047
0.6077 0.6107 0.6137 0.6166 0.6196
0.7171 0.7893 0.7909 0.7925 0.7941
0.7957 0.7973 0.7989 0.8005 0.8021
0.8037 0.8053 0.8069 0.8085 0.8101
0.8152 0.8203 0.8254 0.8305 1.0000

Transect XS1
Area:
0.0031 0.0099 0.0193 0.0310 0.0452
0.0613 0.0778 0.0944 0.1114 0.1285
0.1459 0.1635 0.1814 0.1995 0.2178
0.2363 0.2551 0.2741 0.2934 0.3129
0.3326 0.3525 0.3727 0.3931 0.4137
0.4346 0.4557 0.4770 0.4986 0.5204
0.5424 0.5647 0.5872 0.6099 0.6329
0.6561 0.6795 0.7032 0.7271 0.7512
0.7754 0.7998 0.8243 0.8489 0.8738
0.8987 0.9238 0.9491 0.9745 1.0000
Hrad:
0.0178 0.0399 0.0590 0.0769 0.0942
0.1195 0.1480 0.1756 0.2023 0.2283
0.2536 0.2782 0.3021 0.3254 0.3482
0.3705 0.3922 0.4135 0.4343 0.4548
0.4748 0.4944 0.5137 0.5327 0.5513
0.5696 0.5876 0.6054 0.6229 0.6401
0.6571 0.6739 0.6904 0.7067 0.7229
0.7388 0.7546 0.7701 0.7856 0.8057
0.8257 0.8455 0.8653 0.8849 0.9043
0.9237 0.9430 0.9621 0.9811 1.0000
Width:
0.2207 0.3159 0.4110 0.5062 0.6014
0.6380 0.6471 0.6562 0.6652 0.6743
0.6834 0.6925 0.7015 0.7106 0.7197
0.7287 0.7378 0.7469 0.7559 0.7650
0.7741 0.7831 0.7922 0.8013 0.8104
0.8194 0.8285 0.8376 0.8466 0.8557

0.8648 0.8738 0.8829 0.8920 0.9011
0.9101 0.9192 0.9283 0.9373 0.9430
0.9487 0.9544 0.9601 0.9658 0.9715
0.9772 0.9829 0.9886 0.9943 1.0000

Transect XS10
Area:
0.0112 0.0249 0.0387 0.0526 0.0667
0.0809 0.0953 0.1097 0.1244 0.1392
0.1541 0.1691 0.1843 0.1997 0.2152
0.2308 0.2466 0.2625 0.2785 0.2947
0.3110 0.3275 0.3441 0.3609 0.3778
0.3948 0.4120 0.4293 0.4468 0.4644
0.4821 0.5000 0.5193 0.5440 0.5695
0.5951 0.6207 0.6464 0.6722 0.6981
0.7241 0.7502 0.7763 0.8025 0.8299
0.8595 0.8913 0.9253 0.9616 1.0000
Hrad:
0.0424 0.0908 0.1365 0.1799 0.2212
0.2604 0.2979 0.3337 0.3680 0.4009
0.4325 0.4630 0.4923 0.5206 0.5479
0.5744 0.6000 0.6248 0.6489 0.6724
0.6952 0.7174 0.7390 0.7601 0.7807
0.8008 0.8204 0.8397 0.8585 0.8769
0.8950 0.9128 0.8158 0.7789 0.8100
0.8408 0.8713 0.9016 0.9316 0.9613
0.9907 1.0199 1.0489 1.0769 1.0536
1.0354 1.0214 1.0112 1.0042 1.0000
Width:
0.3435 0.3471 0.3506 0.3542 0.3578
0.3613 0.3649 0.3684 0.3720 0.3756
0.3791 0.3827 0.3863 0.3898 0.3934
0.3970 0.4005 0.4041 0.4077 0.4112
0.4148 0.4184 0.4219 0.4255 0.4291
0.4326 0.4362 0.4398 0.4433 0.4469
0.4505 0.4540 0.5655 0.6434 0.6454
0.6475 0.6496 0.6517 0.6538 0.6559
0.6579 0.6600 0.6621 0.6649 0.7207
0.7766 0.8324 0.8883 0.9441 1.0000

Transect XS11
Area:
0.0103 0.0224 0.0348 0.0476 0.0608
0.0744 0.0883 0.1025 0.1172 0.1322
0.1475 0.1632 0.1793 0.1957 0.2125
0.2297 0.2472 0.2651 0.2833 0.3019
0.3209 0.3403 0.3599 0.3800 0.4004
0.4212 0.4423 0.4638 0.4857 0.5079
0.5305 0.5535 0.5768 0.6005 0.6245
0.6488 0.6733 0.6978 0.7224 0.7472
0.7720 0.7969 0.8220 0.8471 0.8723
0.8977 0.9231 0.9486 0.9743 1.0000
Hrad:
0.0392 0.0805 0.1186 0.1540 0.1872
0.2183 0.2477 0.2756 0.3022 0.3276
0.3520 0.3755 0.3981 0.4200 0.4412
0.4618 0.4818 0.5013 0.5204 0.5391

0.5573 0.5752 0.5928 0.6101 0.6271
0.6438 0.6603 0.6766 0.6927 0.7085
0.7242 0.7397 0.7550 0.7702 0.7853
0.8016 0.8180 0.8340 0.8496 0.8649
0.8798 0.8943 0.9085 0.9224 0.9360
0.9494 0.9624 0.9752 0.9877 1.0000
Width:
0.4621 0.4761 0.4902 0.5042 0.5183
0.5323 0.5463 0.5604 0.5744 0.5884
0.6025 0.6165 0.6306 0.6446 0.6586
0.6727 0.6867 0.7008 0.7148 0.7288
0.7429 0.7569 0.7709 0.7850 0.7990
0.8131 0.8271 0.8411 0.8552 0.8692
0.8832 0.8973 0.9113 0.9254 0.9394
0.9460 0.9499 0.9537 0.9576 0.9614
0.9653 0.9691 0.9730 0.9769 0.9807
0.9846 0.9884 0.9923 0.9961 1.0000

Transect XS13
Area:
0.0017 0.0067 0.0151 0.0269 0.0418
0.0579 0.0741 0.0905 0.1071 0.1239
0.1409 0.1580 0.1754 0.1930 0.2108
0.2288 0.2469 0.2653 0.2838 0.3026
0.3215 0.3407 0.3600 0.3796 0.3993
0.4192 0.4394 0.4597 0.4802 0.5009
0.5218 0.5429 0.5642 0.5857 0.6074
0.6293 0.6514 0.6737 0.6961 0.7188
0.7417 0.7647 0.7880 0.8115 0.8351
0.8591 0.8865 0.9203 0.9586 1.0000
Hrad:
0.0261 0.0523 0.0784 0.1045 0.1369
0.1843 0.2299 0.2738 0.3161 0.3571
0.3966 0.4349 0.4721 0.5081 0.5432
0.5772 0.6104 0.6427 0.6742 0.7050
0.7350 0.7644 0.7932 0.8213 0.8489
0.8759 0.9025 0.9285 0.9541 0.9792
1.0039 1.0283 1.0522 1.0758 1.0990
1.1219 1.1445 1.1667 1.1887 1.2104
1.2318 1.2530 1.2739 1.2946 1.3151
1.2909 1.1643 1.0434 1.0187 1.0000
Width:
0.0781 0.1561 0.2342 0.3123 0.3700
0.3746 0.3791 0.3837 0.3882 0.3928
0.3973 0.4019 0.4065 0.4110 0.4156
0.4201 0.4247 0.4292 0.4338 0.4383
0.4429 0.4474 0.4520 0.4565 0.4611
0.4657 0.4702 0.4748 0.4793 0.4839
0.4884 0.4930 0.4975 0.5021 0.5066
0.5112 0.5157 0.5203 0.5249 0.5294
0.5340 0.5385 0.5431 0.5476 0.5522
0.5852 0.7023 0.8528 0.9264 1.0000

Transect XS14
Area:
0.0017 0.0067 0.0151 0.0269 0.0418
0.0579 0.0741 0.0905 0.1071 0.1239

0.1409 0.1580 0.1754 0.1930 0.2108
0.2288 0.2469 0.2653 0.2838 0.3026
0.3215 0.3407 0.3600 0.3796 0.3993
0.4192 0.4394 0.4597 0.4802 0.5009
0.5218 0.5429 0.5642 0.5857 0.6074
0.6293 0.6514 0.6737 0.6961 0.7188
0.7417 0.7647 0.7880 0.8115 0.8351
0.8591 0.8865 0.9203 0.9586 1.0000

Hrad:

0.0187 0.0374 0.0560 0.0747 0.0978
0.1317 0.1643 0.1957 0.2260 0.2552
0.2835 0.3109 0.3374 0.3632 0.3882
0.4126 0.4363 0.4594 0.4819 0.5039
0.5254 0.5464 0.5669 0.5871 0.6068
0.6261 0.6451 0.6637 0.6820 0.6999
0.7176 0.7350 0.7521 0.7689 0.7855
0.8019 0.8180 0.8340 0.8497 0.8652
0.8805 0.8956 0.9106 0.9254 0.9400
0.9562 0.9734 0.9858 0.9940 1.0000

Width:

0.0781 0.1561 0.2342 0.3123 0.3700
0.3746 0.3791 0.3837 0.3882 0.3928
0.3973 0.4019 0.4065 0.4110 0.4156
0.4201 0.4247 0.4292 0.4338 0.4383
0.4429 0.4474 0.4520 0.4565 0.4611
0.4657 0.4702 0.4748 0.4793 0.4839
0.4884 0.4930 0.4975 0.5021 0.5066
0.5112 0.5157 0.5203 0.5249 0.5294
0.5340 0.5385 0.5431 0.5476 0.5522
0.5852 0.7023 0.8528 0.9264 1.0000

Transect XS15

Area:

0.0010 0.0041 0.0092 0.0164 0.0255
0.0361 0.0475 0.0598 0.0730 0.0869
0.1011 0.1155 0.1302 0.1451 0.1602
0.1756 0.1912 0.2070 0.2231 0.2394
0.2560 0.2728 0.2898 0.3071 0.3246
0.3424 0.3604 0.3786 0.3971 0.4158
0.4347 0.4539 0.4734 0.4939 0.5153
0.5378 0.5619 0.5877 0.6153 0.6446
0.6756 0.7082 0.7417 0.7761 0.8113
0.8474 0.8843 0.9220 0.9606 1.0000

Hrad:

0.0185 0.0369 0.0554 0.0738 0.0930
0.1201 0.1455 0.1697 0.1928 0.2198
0.2484 0.2760 0.3027 0.3285 0.3536
0.3779 0.4015 0.4245 0.4469 0.4687
0.4901 0.5110 0.5314 0.5514 0.5710
0.5902 0.6091 0.6277 0.6459 0.6639
0.6816 0.6990 0.7196 0.7413 0.7612
0.7825 0.8042 0.8234 0.8405 0.8557
0.8693 0.8827 0.8968 0.9112 0.9257
0.9404 0.9551 0.9700 0.9850 1.0000

Width:

0.0513 0.1026 0.1539 0.2052 0.2543
0.2761 0.2979 0.3196 0.3414 0.3530

0.3590 0.3650 0.3709 0.3769 0.3829
0.3888 0.3948 0.4008 0.4068 0.4127
0.4187 0.4247 0.4307 0.4366 0.4426
0.4486 0.4545 0.4605 0.4665 0.4725
0.4784 0.4844 0.5008 0.5253 0.5498
0.5839 0.6271 0.6704 0.7136 0.7569
0.8002 0.8312 0.8523 0.8734 0.8945
0.9156 0.9367 0.9578 0.9789 1.0000

Transect XS16
Area:
0.0009 0.0036 0.0081 0.0144 0.0225
0.0324 0.0440 0.0572 0.0711 0.0853
0.0999 0.1149 0.1302 0.1459 0.1619
0.1783 0.1951 0.2123 0.2298 0.2476
0.2658 0.2844 0.3034 0.3227 0.3424
0.3624 0.3828 0.4036 0.4247 0.4462
0.4681 0.4903 0.5129 0.5358 0.5591
0.5828 0.6069 0.6313 0.6560 0.6811
0.7066 0.7325 0.7588 0.7865 0.8155
0.8459 0.8776 0.9108 0.9484 1.0000
Hrad:
0.0290 0.0580 0.0870 0.1160 0.1451
0.1741 0.2031 0.2418 0.2892 0.3346
0.3783 0.4204 0.4611 0.5005 0.5387
0.5758 0.6119 0.6471 0.6814 0.7151
0.7480 0.7802 0.8118 0.8429 0.8735
0.9036 0.9332 0.9624 0.9911 1.0196
1.0476 1.0754 1.1028 1.1300 1.1568
1.1834 1.2098 1.2359 1.2618 1.2875
1.3130 1.3383 1.3441 1.3354 1.3297
1.3266 1.3258 1.3271 0.9691 1.0000
Width:
0.0345 0.0690 0.1035 0.1380 0.1725
0.2070 0.2415 0.2626 0.2697 0.2767
0.2836 0.2906 0.2975 0.3045 0.3115
0.3184 0.3254 0.3324 0.3393 0.3463
0.3533 0.3602 0.3672 0.3742 0.3811
0.3881 0.3951 0.4020 0.4090 0.4160
0.4229 0.4299 0.4369 0.4438 0.4508
0.4578 0.4647 0.4717 0.4787 0.4856
0.4926 0.4996 0.5169 0.5434 0.5699
0.5963 0.6228 0.6493 0.9795 1.0000

Transect XS17
Area:
0.0017 0.0070 0.0146 0.0240 0.0343
0.0451 0.0565 0.0684 0.0809 0.0938
0.1074 0.1214 0.1360 0.1509 0.1662
0.1818 0.1978 0.2140 0.2307 0.2477
0.2650 0.2827 0.3007 0.3191 0.3378
0.3568 0.3762 0.3960 0.4160 0.4366
0.4599 0.4862 0.5129 0.5398 0.5669
0.5942 0.6216 0.6493 0.6772 0.7052
0.7335 0.7619 0.7905 0.8194 0.8484
0.8776 0.9073 0.9376 0.9685 1.0000
Hrad:

0.0169 0.0347 0.0575 0.0804 0.1081
0.1344 0.1595 0.1835 0.2067 0.2291
0.2509 0.2720 0.2946 0.3176 0.3401
0.3620 0.3835 0.4045 0.4251 0.4453
0.4652 0.4847 0.5040 0.5229 0.5416
0.5600 0.5782 0.5962 0.6139 0.6325
0.6505 0.6641 0.6789 0.6946 0.7109
0.7277 0.7448 0.7621 0.7796 0.7973
0.8150 0.8327 0.8504 0.8682 0.8859
0.9059 0.9305 0.9544 0.9775 1.0000

Width:

0.1100 0.2136 0.2693 0.3151 0.3321
0.3491 0.3661 0.3832 0.4002 0.4172
0.4343 0.4513 0.4643 0.4751 0.4860
0.4968 0.5076 0.5185 0.5293 0.5401
0.5510 0.5618 0.5726 0.5835 0.5943
0.6051 0.6159 0.6268 0.6376 0.6720
0.7952 0.8375 0.8436 0.8497 0.8557
0.8618 0.8679 0.8740 0.8800 0.8861
0.8922 0.8983 0.9043 0.9104 0.9165
0.9264 0.9448 0.9632 0.9816 1.0000

Transect XS18

Area:

0.0011 0.0041 0.0083 0.0132 0.0191
0.0257 0.0332 0.0414 0.0501 0.0593
0.0690 0.0793 0.0900 0.1012 0.1130
0.1253 0.1388 0.1539 0.1704 0.1885
0.2082 0.2293 0.2517 0.2744 0.2974
0.3213 0.3454 0.3699 0.3947 0.4198
0.4453 0.4710 0.4971 0.5234 0.5501
0.5771 0.6045 0.6321 0.6600 0.6883
0.7169 0.7458 0.7750 0.8046 0.8351
0.8664 0.8985 0.9315 0.9653 1.0000

Hrad:

0.0166 0.0366 0.0588 0.0786 0.0971
0.1147 0.1318 0.1515 0.1710 0.1895
0.2074 0.2247 0.2415 0.2579 0.2739
0.2846 0.2843 0.2869 0.2917 0.2981
0.3059 0.3147 0.3343 0.3605 0.3869
0.4153 0.4434 0.4711 0.4986 0.5257
0.5526 0.5792 0.6055 0.6316 0.6574
0.6830 0.7084 0.7335 0.7585 0.7832
0.8077 0.8320 0.8561 0.8788 0.9002
0.9211 0.9416 0.9615 0.9810 1.0000

Width:

0.0603 0.1060 0.1297 0.1535 0.1773
0.2011 0.2249 0.2410 0.2554 0.2697
0.2841 0.2985 0.3128 0.3272 0.3415
0.3640 0.4072 0.4505 0.4938 0.5371
0.5803 0.6236 0.6440 0.6490 0.6747
0.6837 0.6927 0.7017 0.7107 0.7197
0.7286 0.7376 0.7466 0.7556 0.7646
0.7736 0.7826 0.7915 0.8005 0.8095
0.8185 0.8275 0.8365 0.8544 0.8787
0.9030 0.9272 0.9515 0.9757 1.0000

Transect XS19

Area:

0.0018	0.0059	0.0113	0.0178	0.0249
0.0326	0.0410	0.0500	0.0596	0.0699
0.0809	0.0924	0.1046	0.1175	0.1310
0.1450	0.1596	0.1746	0.1900	0.2060
0.2223	0.2392	0.2565	0.2743	0.2925
0.3112	0.3304	0.3508	0.3729	0.3969
0.4226	0.4498	0.4775	0.5055	0.5337
0.5621	0.5909	0.6198	0.6490	0.6785
0.7082	0.7381	0.7683	0.7989	0.8302
0.8624	0.8955	0.9294	0.9643	1.0000

Hrad:

0.0222	0.0533	0.0799	0.1110	0.1403
0.1678	0.1938	0.2188	0.2429	0.2663
0.2891	0.3115	0.3335	0.3551	0.3765
0.4003	0.4245	0.4481	0.4714	0.4942
0.5167	0.5388	0.5606	0.5821	0.6034
0.6245	0.6415	0.6303	0.6236	0.6205
0.6204	0.6358	0.6642	0.6920	0.7193
0.7460	0.7723	0.7982	0.8236	0.8486
0.8732	0.8974	0.9212	0.9377	0.9471
0.9569	0.9671	0.9777	0.9887	1.0000

Width:

0.0966	0.1323	0.1680	0.1873	0.2050
0.2227	0.2403	0.2580	0.2757	0.2933
0.3110	0.3287	0.3463	0.3640	0.3817
0.3957	0.4084	0.4212	0.4340	0.4468
0.4595	0.4723	0.4851	0.4978	0.5106
0.5234	0.5400	0.5888	0.6375	0.6862
0.7350	0.7626	0.7695	0.7764	0.7833
0.7903	0.7972	0.8041	0.8110	0.8180
0.8249	0.8318	0.8388	0.8541	0.8784
0.9027	0.9271	0.9514	0.9757	1.0000

Transect XS2

Area:

0.0032	0.0128	0.0270	0.0417	0.0567
0.0719	0.0874	0.1031	0.1192	0.1354
0.1520	0.1688	0.1858	0.2032	0.2207
0.2386	0.2567	0.2751	0.2937	0.3126
0.3318	0.3512	0.3709	0.3908	0.4111
0.4315	0.4523	0.4733	0.4945	0.5160
0.5378	0.5599	0.5822	0.6048	0.6276
0.6507	0.6741	0.6977	0.7216	0.7457
0.7701	0.7948	0.8197	0.8449	0.8704
0.8960	0.9217	0.9477	0.9738	1.0000

Hrad:

0.0151	0.0303	0.0559	0.0843	0.1119
0.1388	0.1649	0.1905	0.2155	0.2398
0.2637	0.2871	0.3100	0.3325	0.3545
0.3762	0.3974	0.4184	0.4390	0.4593
0.4792	0.4989	0.5184	0.5375	0.5564
0.5751	0.5936	0.6118	0.6299	0.6477
0.6654	0.6828	0.7001	0.7173	0.7342
0.7511	0.7678	0.7843	0.8007	0.8170
0.8331	0.8492	0.8651	0.8809	0.8998

0.9200 0.9402 0.9602 0.9802 1.0000
Width:
0.2426 0.4852 0.5534 0.5633 0.5733
0.5833 0.5932 0.6032 0.6132 0.6231
0.6331 0.6431 0.6530 0.6630 0.6730
0.6829 0.6929 0.7029 0.7128 0.7228
0.7328 0.7427 0.7527 0.7627 0.7727
0.7826 0.7926 0.8026 0.8125 0.8225
0.8325 0.8424 0.8524 0.8624 0.8723
0.8823 0.8923 0.9022 0.9122 0.9222
0.9321 0.9421 0.9521 0.9620 0.9694
0.9755 0.9816 0.9878 0.9939 1.0000

Transect XS20
Area:
0.0049 0.0168 0.0292 0.0419 0.0549
0.0681 0.0815 0.0953 0.1092 0.1235
0.1380 0.1527 0.1678 0.1830 0.1986
0.2144 0.2304 0.2467 0.2633 0.2802
0.2972 0.3146 0.3322 0.3501 0.3682
0.3866 0.4052 0.4241 0.4433 0.4627
0.4824 0.5024 0.5232 0.5450 0.5680
0.5919 0.6170 0.6430 0.6702 0.6984
0.7270 0.7558 0.7849 0.8145 0.8444
0.8747 0.9054 0.9365 0.9681 1.0000
Hrad:
0.0191 0.0518 0.0874 0.1216 0.1547
0.1867 0.2176 0.2476 0.2767 0.3051
0.3327 0.3595 0.3858 0.4114 0.4365
0.4611 0.4851 0.5088 0.5319 0.5547
0.5771 0.5991 0.6208 0.6421 0.6632
0.6839 0.7044 0.7246 0.7446 0.7644
0.7839 0.7970 0.7930 0.7908 0.7903
0.7912 0.7934 0.7968 0.8012 0.8100
0.8345 0.8574 0.8757 0.8939 0.9119
0.9298 0.9475 0.9651 0.9826 1.0000
Width:
0.3066 0.3828 0.3909 0.3990 0.4070
0.4151 0.4232 0.4312 0.4393 0.4473
0.4554 0.4635 0.4715 0.4796 0.4877
0.4957 0.5038 0.5118 0.5199 0.5280
0.5360 0.5441 0.5522 0.5602 0.5683
0.5763 0.5844 0.5925 0.6005 0.6086
0.6167 0.6310 0.6639 0.6968 0.7298
0.7627 0.7956 0.8285 0.8615 0.8892
0.8938 0.9001 0.9126 0.9251 0.9376
0.9500 0.9625 0.9750 0.9875 1.0000

Transect XS21
Area:
0.0006 0.0025 0.0057 0.0101 0.0158
0.0228 0.0310 0.0405 0.0513 0.0634
0.0767 0.0910 0.1058 0.1210 0.1366
0.1525 0.1688 0.1855 0.2025 0.2200
0.2378 0.2560 0.2745 0.2935 0.3128
0.3325 0.3529 0.3757 0.3998 0.4241
0.4487 0.4737 0.4989 0.5245 0.5503

0.5765 0.6030 0.6297 0.6568 0.6842
0.7122 0.7411 0.7707 0.8011 0.8323
0.8643 0.8970 0.9306 0.9649 1.0000

Hrad:

0.0157 0.0314 0.0470 0.0627 0.0784
0.0941 0.1098 0.1254 0.1411 0.1568
0.1725 0.1948 0.2196 0.2438 0.2674
0.2903 0.3128 0.3347 0.3562 0.3773
0.3979 0.4183 0.4383 0.4579 0.4773
0.4964 0.5146 0.5293 0.5464 0.5642
0.5825 0.6012 0.6201 0.6393 0.6587
0.6782 0.6978 0.7175 0.7372 0.7601
0.7876 0.8142 0.8399 0.8647 0.8889
0.9123 0.9350 0.9572 0.9789 1.0000

Width:

0.0357 0.0714 0.1071 0.1428 0.1785
0.2142 0.2499 0.2856 0.3214 0.3571
0.3928 0.4116 0.4222 0.4328 0.4435
0.4541 0.4647 0.4753 0.4859 0.4966
0.5072 0.5178 0.5284 0.5390 0.5497
0.5603 0.6055 0.6733 0.6818 0.6903
0.6987 0.7072 0.7157 0.7242 0.7327
0.7412 0.7497 0.7581 0.7666 0.7800
0.8020 0.8240 0.8460 0.8680 0.8900
0.9120 0.9340 0.9560 0.9780 1.0000

Transect XS22

Area:

0.0014 0.0053 0.0106 0.0172 0.0249
0.0333 0.0422 0.0517 0.0617 0.0723
0.0834 0.0952 0.1074 0.1202 0.1336
0.1475 0.1620 0.1770 0.1926 0.2088
0.2255 0.2428 0.2606 0.2790 0.2979
0.3174 0.3374 0.3580 0.3792 0.4009
0.4232 0.4460 0.4694 0.4934 0.5179
0.5429 0.5685 0.5950 0.6224 0.6508
0.6801 0.7104 0.7416 0.7740 0.8080
0.8438 0.8812 0.9198 0.9594 1.0000

Hrad:

0.0213 0.0490 0.0758 0.1006 0.1304
0.1625 0.1930 0.2223 0.2506 0.2780
0.3047 0.3307 0.3562 0.3813 0.4059
0.4302 0.4541 0.4778 0.5012 0.5244
0.5474 0.5702 0.5928 0.6153 0.6377
0.6599 0.6820 0.7040 0.7259 0.7477
0.7694 0.7911 0.8127 0.8342 0.8556
0.8770 0.8949 0.9043 0.9145 0.9253
0.9368 0.9488 0.9614 0.9585 0.9537
0.9513 0.9553 0.9700 0.9849 1.0000

Width:

0.0691 0.1123 0.1443 0.1762 0.1967
0.2103 0.2238 0.2373 0.2509 0.2644
0.2779 0.2915 0.3050 0.3185 0.3321
0.3456 0.3592 0.3727 0.3862 0.3998
0.4133 0.4268 0.4404 0.4539 0.4675
0.4810 0.4945 0.5081 0.5216 0.5351
0.5487 0.5622 0.5757 0.5893 0.6028

0.6164 0.6325 0.6556 0.6786 0.7016
0.7247 0.7477 0.7708 0.8082 0.8495
0.8908 0.9267 0.9512 0.9756 1.0000

Transect XS23
Area:
0.0025 0.0097 0.0182 0.0276 0.0379
0.0489 0.0609 0.0737 0.0871 0.1009
0.1149 0.1292 0.1437 0.1585 0.1736
0.1889 0.2045 0.2204 0.2365 0.2529
0.2695 0.2864 0.3035 0.3210 0.3386
0.3566 0.3748 0.3932 0.4120 0.4310
0.4502 0.4697 0.4895 0.5095 0.5298
0.5510 0.5751 0.6025 0.6328 0.6640
0.6956 0.7277 0.7602 0.7931 0.8265
0.8603 0.8946 0.9293 0.9644 1.0000
Hrad:
0.0157 0.0372 0.0632 0.0873 0.1099
0.1313 0.1519 0.1717 0.1961 0.2220
0.2474 0.2721 0.2964 0.3203 0.3437
0.3666 0.3892 0.4114 0.4333 0.4548
0.4760 0.4970 0.5176 0.5380 0.5581
0.5780 0.5977 0.6171 0.6364 0.6554
0.6743 0.6930 0.7115 0.7298 0.7480
0.7695 0.7916 0.8085 0.8217 0.8357
0.8506 0.8660 0.8820 0.8983 0.9149
0.9317 0.9486 0.9657 0.9828 1.0000
Width:
0.1418 0.2270 0.2507 0.2743 0.2980
0.3216 0.3453 0.3689 0.3808 0.3881
0.3954 0.4027 0.4100 0.4173 0.4246
0.4319 0.4392 0.4465 0.4538 0.4611
0.4684 0.4757 0.4830 0.4903 0.4976
0.5049 0.5122 0.5195 0.5269 0.5342
0.5415 0.5488 0.5561 0.5634 0.5707
0.6287 0.7192 0.8098 0.8655 0.8777
0.8899 0.9022 0.9144 0.9266 0.9388
0.9511 0.9633 0.9755 0.9878 1.0000

Transect XS24
Area:
0.0067 0.0174 0.0297 0.0423 0.0551
0.0683 0.0818 0.0956 0.1096 0.1240
0.1386 0.1536 0.1689 0.1844 0.2002
0.2164 0.2328 0.2496 0.2666 0.2839
0.3015 0.3195 0.3377 0.3562 0.3750
0.3941 0.4135 0.4332 0.4532 0.4735
0.4941 0.5150 0.5361 0.5576 0.5794
0.6015 0.6238 0.6465 0.6695 0.6927
0.7163 0.7402 0.7660 0.7938 0.8238
0.8559 0.8903 0.9258 0.9624 1.0000
Hrad:
0.0246 0.0472 0.0779 0.1076 0.1362
0.1639 0.1907 0.2167 0.2421 0.2667
0.2907 0.3142 0.3371 0.3595 0.3814
0.4030 0.4241 0.4448 0.4652 0.4853
0.5051 0.5245 0.5437 0.5626 0.5813

0.5998 0.6180 0.6360 0.6538 0.6715
0.6889 0.7062 0.7234 0.7403 0.7572
0.7739 0.7904 0.8068 0.8232 0.8394
0.8554 0.8738 0.8936 0.9105 0.9248
0.9376 0.9534 0.9691 0.9847 1.0000
Width:
0.2354 0.3187 0.3264 0.3342 0.3420
0.3498 0.3576 0.3654 0.3731 0.3809
0.3887 0.3965 0.4043 0.4120 0.4198
0.4276 0.4354 0.4432 0.4510 0.4587
0.4665 0.4743 0.4821 0.4899 0.4976
0.5054 0.5132 0.5210 0.5288 0.5366
0.5443 0.5521 0.5599 0.5677 0.5755
0.5832 0.5910 0.5988 0.6066 0.6144
0.6222 0.6482 0.7034 0.7587 0.8140
0.8726 0.9205 0.9470 0.9735 1.0000

Transect XS25
Area:
0.0009 0.0036 0.0082 0.0146 0.0228
0.0326 0.0429 0.0537 0.0648 0.0764
0.0883 0.1007 0.1134 0.1266 0.1401
0.1541 0.1684 0.1832 0.1983 0.2139
0.2298 0.2462 0.2629 0.2801 0.2976
0.3156 0.3339 0.3527 0.3718 0.3914
0.4113 0.4316 0.4525 0.4744 0.4977
0.5223 0.5482 0.5754 0.6040 0.6339
0.6651 0.6976 0.7314 0.7662 0.8023
0.8395 0.8779 0.9174 0.9581 1.0000
Hrad:
0.0217 0.0434 0.0651 0.0868 0.1085
0.1391 0.1758 0.2111 0.2452 0.2783
0.3104 0.3418 0.3723 0.4022 0.4315
0.4602 0.4884 0.5161 0.5434 0.5702
0.5968 0.6229 0.6488 0.6744 0.6997
0.7248 0.7496 0.7742 0.7986 0.8228
0.8469 0.8707 0.8816 0.8721 0.8660
0.8627 0.8617 0.8629 0.8658 0.8703
0.8762 0.8858 0.8983 0.9114 0.9251
0.9392 0.9538 0.9689 0.9843 1.0000
Width:
0.0429 0.0858 0.1287 0.1717 0.2146
0.2390 0.2484 0.2578 0.2673 0.2767
0.2861 0.2955 0.3049 0.3144 0.3238
0.3332 0.3426 0.3521 0.3615 0.3709
0.3803 0.3897 0.3992 0.4086 0.4180
0.4274 0.4368 0.4463 0.4557 0.4651
0.4745 0.4839 0.5012 0.5324 0.5636
0.5948 0.6260 0.6573 0.6885 0.7197
0.7509 0.7802 0.8077 0.8351 0.8626
0.8901 0.9176 0.9450 0.9725 1.0000

Transect XS26
Area:
0.0007 0.0029 0.0065 0.0116 0.0182
0.0262 0.0355 0.0456 0.0564 0.0678
0.0799 0.0926 0.1060 0.1200 0.1347

0.1501 0.1661 0.1828 0.2001 0.2181
0.2367 0.2561 0.2760 0.2967 0.3179
0.3399 0.3625 0.3857 0.4096 0.4342
0.4590 0.4843 0.5099 0.5359 0.5622
0.5889 0.6159 0.6433 0.6711 0.6992
0.7276 0.7565 0.7857 0.8152 0.8451
0.8754 0.9060 0.9370 0.9683 1.0000
Hrad:
0.0195 0.0389 0.0584 0.0779 0.0974
0.1168 0.1410 0.1683 0.1942 0.2191
0.2431 0.2663 0.2889 0.3109 0.3325
0.3537 0.3746 0.3951 0.4154 0.4354
0.4553 0.4749 0.4944 0.5137 0.5329
0.5520 0.5709 0.5898 0.6085 0.6292
0.6507 0.6717 0.6923 0.7126 0.7325
0.7521 0.7713 0.7903 0.8090 0.8274
0.8456 0.8635 0.8813 0.8988 0.9161
0.9332 0.9502 0.9669 0.9835 1.0000
Width:
0.0456 0.0912 0.1369 0.1825 0.2281
0.2737 0.3064 0.3271 0.3477 0.3684
0.3890 0.4097 0.4303 0.4510 0.4716
0.4922 0.5129 0.5335 0.5542 0.5748
0.5955 0.6161 0.6368 0.6574 0.6781
0.6987 0.7193 0.7400 0.7606 0.7753
0.7865 0.7977 0.8090 0.8202 0.8315
0.8427 0.8539 0.8652 0.8764 0.8876
0.8989 0.9101 0.9213 0.9326 0.9438
0.9551 0.9663 0.9775 0.9888 1.0000

Transect XS27
Area:
0.0015 0.0058 0.0131 0.0232 0.0355
0.0484 0.0616 0.0752 0.0892 0.1037
0.1186 0.1338 0.1495 0.1656 0.1821
0.1990 0.2163 0.2341 0.2522 0.2708
0.2897 0.3091 0.3289 0.3491 0.3697
0.3907 0.4121 0.4340 0.4562 0.4789
0.5019 0.5254 0.5493 0.5735 0.5981
0.6229 0.6480 0.6734 0.6991 0.7251
0.7513 0.7778 0.8046 0.8317 0.8590
0.8867 0.9146 0.9428 0.9712 1.0000
Hrad:
0.0189 0.0378 0.0567 0.0757 0.1056
0.1376 0.1679 0.1970 0.2249 0.2517
0.2776 0.3027 0.3270 0.3506 0.3736
0.3961 0.4180 0.4394 0.4604 0.4810
0.5013 0.5212 0.5408 0.5601 0.5791
0.5979 0.6165 0.6348 0.6529 0.6708
0.6886 0.7062 0.7236 0.7414 0.7593
0.7768 0.7942 0.8112 0.8280 0.8446
0.8610 0.8771 0.8931 0.9089 0.9244
0.9399 0.9551 0.9702 0.9852 1.0000
Width:
0.1004 0.2008 0.3013 0.4017 0.4362
0.4504 0.4646 0.4788 0.4930 0.5072
0.5214 0.5356 0.5498 0.5640 0.5782

0.5924 0.6066 0.6208 0.6350 0.6492
0.6634 0.6776 0.6918 0.7060 0.7202
0.7344 0.7486 0.7628 0.7770 0.7912
0.8054 0.8196 0.8338 0.8449 0.8546
0.8643 0.8740 0.8837 0.8934 0.9031
0.9128 0.9225 0.9322 0.9418 0.9515
0.9612 0.9709 0.9806 0.9903 1.0000

Transect XS28
Area:
0.0008 0.0034 0.0075 0.0134 0.0209
0.0302 0.0411 0.0535 0.0669 0.0811
0.0962 0.1117 0.1275 0.1435 0.1598
0.1763 0.1931 0.2101 0.2274 0.2450
0.2628 0.2808 0.2991 0.3176 0.3364
0.3555 0.3748 0.3943 0.4141 0.4342
0.4545 0.4750 0.4958 0.5169 0.5382
0.5603 0.5831 0.6067 0.6315 0.6579
0.6859 0.7154 0.7466 0.7794 0.8137
0.8496 0.8862 0.9236 0.9616 1.0000
Hrad:
0.0253 0.0506 0.0759 0.1012 0.1264
0.1517 0.1770 0.2073 0.2417 0.2744
0.3061 0.3446 0.3815 0.4170 0.4512
0.4842 0.5161 0.5470 0.5769 0.6060
0.6343 0.6619 0.6887 0.7149 0.7405
0.7656 0.7901 0.8141 0.8377 0.8608
0.8835 0.9059 0.9278 0.9494 0.9706
0.9905 1.0090 1.0262 1.0212 1.0172
1.0144 1.0129 1.0126 1.0134 1.0152
1.0254 1.0457 1.0654 1.0851 1.0000
Width:
0.0435 0.0869 0.1304 0.1739 0.2173
0.2608 0.3043 0.3370 0.3580 0.3790
0.3995 0.4061 0.4126 0.4191 0.4256
0.4321 0.4386 0.4452 0.4517 0.4582
0.4647 0.4712 0.4777 0.4843 0.4908
0.4973 0.5038 0.5103 0.5169 0.5234
0.5299 0.5364 0.5429 0.5494 0.5608
0.5815 0.6022 0.6230 0.6639 0.7052
0.7464 0.7877 0.8289 0.8702 0.9114
0.9428 0.9603 0.9779 0.9915 1.0000

Transect XS29
Area:
0.0007 0.0026 0.0059 0.0105 0.0164
0.0236 0.0321 0.0419 0.0529 0.0646
0.0769 0.0900 0.1037 0.1181 0.1332
0.1489 0.1654 0.1824 0.1998 0.2176
0.2356 0.2541 0.2728 0.2919 0.3114
0.3312 0.3514 0.3719 0.3927 0.4139
0.4355 0.4573 0.4796 0.5021 0.5251
0.5483 0.5720 0.5959 0.6203 0.6462
0.6738 0.7030 0.7338 0.7663 0.8005
0.8364 0.8739 0.9136 0.9560 1.0000
Hrad:
0.0231 0.0461 0.0692 0.0922 0.1153

0.1383 0.1614 0.1844 0.2148 0.2468
0.2776 0.3075 0.3366 0.3651 0.3930
0.4204 0.4473 0.4801 0.5140 0.5473
0.5801 0.6123 0.6440 0.6752 0.7059
0.7362 0.7662 0.7957 0.8249 0.8538
0.8823 0.9105 0.9385 0.9661 0.9935
1.0207 1.0476 1.0743 1.0782 1.0565
1.0398 1.0273 1.0183 1.0124 1.0091
1.0081 1.0067 0.9881 0.9797 1.0000

Width:

0.0294 0.0588 0.0882 0.1176 0.1470
0.1763 0.2057 0.2351 0.2542 0.2695
0.2848 0.3001 0.3154 0.3307 0.3460
0.3614 0.3767 0.3861 0.3939 0.4016
0.4094 0.4172 0.4249 0.4327 0.4404
0.4482 0.4560 0.4637 0.4715 0.4792
0.4870 0.4948 0.5025 0.5103 0.5180
0.5258 0.5336 0.5413 0.5618 0.5991
0.6363 0.6736 0.7108 0.7480 0.7853
0.8225 0.8620 0.9212 0.9747 1.0000

Transect XS3

Area:

0.0013 0.0052 0.0118 0.0210 0.0328
0.0472 0.0643 0.0829 0.1019 0.1211
0.1404 0.1598 0.1794 0.1991 0.2190
0.2390 0.2591 0.2794 0.2999 0.3204
0.3411 0.3620 0.3830 0.4041 0.4254
0.4468 0.4684 0.4901 0.5119 0.5339
0.5560 0.5783 0.6007 0.6232 0.6459
0.6687 0.6917 0.7148 0.7380 0.7614
0.7849 0.8086 0.8324 0.8562 0.8801
0.9040 0.9279 0.9519 0.9759 1.0000

Hrad:

0.0141 0.0282 0.0423 0.0565 0.0706
0.0847 0.1000 0.1230 0.1495 0.1755
0.2011 0.2263 0.2512 0.2757 0.2999
0.3237 0.3472 0.3703 0.3932 0.4158
0.4381 0.4601 0.4818 0.5033 0.5245
0.5455 0.5662 0.5867 0.6070 0.6271
0.6469 0.6666 0.6860 0.7053 0.7243
0.7432 0.7619 0.7804 0.7988 0.8169
0.8349 0.8528 0.8716 0.8906 0.9093
0.9279 0.9462 0.9643 0.9823 1.0000

Width:

0.1090 0.2179 0.3269 0.4359 0.5449
0.6538 0.7532 0.7868 0.7926 0.7985
0.8043 0.8102 0.8160 0.8219 0.8277
0.8336 0.8394 0.8453 0.8511 0.8570
0.8628 0.8687 0.8745 0.8804 0.8862
0.8921 0.8980 0.9038 0.9097 0.9155
0.9214 0.9272 0.9331 0.9389 0.9448
0.9506 0.9565 0.9623 0.9682 0.9740
0.9799 0.9857 0.9883 0.9900 0.9917
0.9933 0.9950 0.9967 0.9983 1.0000

Transect XS4

Area:

0.0019	0.0075	0.0157	0.0251	0.0354
0.0467	0.0590	0.0723	0.0866	0.1019
0.1181	0.1351	0.1523	0.1698	0.1877
0.2058	0.2243	0.2430	0.2621	0.2814
0.3011	0.3210	0.3413	0.3618	0.3827
0.4039	0.4253	0.4471	0.4692	0.4916
0.5142	0.5372	0.5605	0.5841	0.6080
0.6321	0.6566	0.6814	0.7065	0.7319
0.7576	0.7836	0.8099	0.8365	0.8633
0.8903	0.9175	0.9448	0.9723	1.0000

Hrad:

0.0152	0.0304	0.0540	0.0770	0.0985
0.1187	0.1381	0.1568	0.1749	0.1926
0.2100	0.2350	0.2595	0.2836	0.3072
0.3303	0.3531	0.3754	0.3974	0.4191
0.4404	0.4615	0.4822	0.5027	0.5229
0.5428	0.5625	0.5820	0.6013	0.6204
0.6392	0.6579	0.6764	0.6947	0.7129
0.7309	0.7487	0.7664	0.7840	0.8014
0.8187	0.8359	0.8530	0.8712	0.8929
0.9146	0.9361	0.9575	0.9788	1.0000

Width:

0.1342	0.2683	0.3175	0.3534	0.3893
0.4251	0.4610	0.4969	0.5328	0.5686
0.6044	0.6153	0.6262	0.6371	0.6480
0.6589	0.6697	0.6806	0.6915	0.7024
0.7133	0.7242	0.7351	0.7460	0.7569
0.7677	0.7786	0.7895	0.8004	0.8113
0.8222	0.8331	0.8440	0.8549	0.8658
0.8766	0.8875	0.8984	0.9093	0.9202
0.9311	0.9420	0.9529	0.9626	0.9688
0.9750	0.9813	0.9875	0.9938	1.0000

Transect XS5

Area:

0.0015	0.0061	0.0138	0.0246	0.0384
0.0542	0.0703	0.0866	0.1032	0.1201
0.1372	0.1546	0.1723	0.1902	0.2083
0.2268	0.2454	0.2644	0.2836	0.3030
0.3228	0.3427	0.3630	0.3834	0.4042
0.4252	0.4465	0.4680	0.4898	0.5118
0.5341	0.5567	0.5795	0.6026	0.6259
0.6495	0.6732	0.6972	0.7213	0.7457
0.7702	0.7950	0.8199	0.8451	0.8704
0.8959	0.9216	0.9476	0.9737	1.0000

Hrad:

0.0164	0.0328	0.0492	0.0656	0.0821
0.1103	0.1392	0.1672	0.1942	0.2203
0.2456	0.2702	0.2941	0.3174	0.3401
0.3622	0.3837	0.4048	0.4254	0.4456
0.4653	0.4847	0.5037	0.5224	0.5407
0.5587	0.5764	0.5939	0.6111	0.6280
0.6447	0.6612	0.6774	0.6935	0.7094
0.7296	0.7497	0.7696	0.7895	0.8092
0.8287	0.8482	0.8675	0.8868	0.9059
0.9249	0.9439	0.9627	0.9814	1.0000

Width:

0.1162	0.2325	0.3487	0.4649	0.5811
0.6044	0.6142	0.6240	0.6338	0.6436
0.6534	0.6632	0.6729	0.6827	0.6925
0.7023	0.7121	0.7219	0.7317	0.7415
0.7513	0.7611	0.7709	0.7806	0.7904
0.8002	0.8100	0.8198	0.8296	0.8394
0.8492	0.8590	0.8688	0.8786	0.8883
0.8958	0.9032	0.9107	0.9181	0.9255
0.9330	0.9404	0.9479	0.9553	0.9628
0.9702	0.9777	0.9851	0.9926	1.0000

Transect XS6

Area:

0.0004	0.0016	0.0036	0.0063	0.0099
0.0142	0.0194	0.0253	0.0321	0.0396
0.0479	0.0570	0.0669	0.0776	0.0890
0.1013	0.1144	0.1282	0.1428	0.1583
0.1745	0.1915	0.2093	0.2279	0.2473
0.2675	0.2885	0.3102	0.3328	0.3561
0.3803	0.4052	0.4309	0.4574	0.4847
0.5128	0.5417	0.5714	0.6018	0.6331
0.6652	0.6983	0.7324	0.7676	0.8037
0.8409	0.8792	0.9184	0.9587	1.0000

Hrad:

0.0202	0.0405	0.0607	0.0810	0.1012
0.1215	0.1417	0.1619	0.1822	0.2024
0.2227	0.2429	0.2632	0.2834	0.3037
0.3239	0.3441	0.3644	0.3846	0.4049
0.4251	0.4454	0.4656	0.4858	0.5061
0.5263	0.5466	0.5668	0.5871	0.6073
0.6276	0.6478	0.6680	0.6883	0.7085
0.7288	0.7490	0.7693	0.7895	0.8097
0.8299	0.8497	0.8691	0.8882	0.9070
0.9255	0.9437	0.9617	0.9795	1.0000

Width:

0.0190	0.0380	0.0570	0.0759	0.0949
0.1139	0.1329	0.1519	0.1709	0.1899
0.2088	0.2278	0.2468	0.2658	0.2848
0.3038	0.3228	0.3417	0.3607	0.3797
0.3987	0.4177	0.4367	0.4556	0.4746
0.4936	0.5126	0.5316	0.5506	0.5696
0.5885	0.6075	0.6265	0.6455	0.6645
0.6835	0.7025	0.7214	0.7404	0.7597
0.7816	0.8062	0.8309	0.8555	0.8802
0.9048	0.9294	0.9541	0.9787	1.0000

Transect XS7

Area:

0.0004	0.0016	0.0035	0.0063	0.0098
0.0141	0.0192	0.0251	0.0317	0.0392
0.0474	0.0564	0.0662	0.0768	0.0882
0.1003	0.1132	0.1270	0.1414	0.1567
0.1728	0.1896	0.2073	0.2257	0.2449
0.2649	0.2856	0.3072	0.3295	0.3526
0.3765	0.4012	0.4267	0.4529	0.4800
0.5078	0.5364	0.5658	0.5960	0.6269

0.6588 0.6919 0.7262 0.7616 0.7983
0.8362 0.8754 0.9157 0.9572 1.0000
Hrad:
0.0206 0.0412 0.0617 0.0823 0.1029
0.1235 0.1441 0.1646 0.1852 0.2058
0.2264 0.2470 0.2675 0.2881 0.3087
0.3293 0.3499 0.3704 0.3910 0.4116
0.4322 0.4528 0.4733 0.4939 0.5145
0.5351 0.5557 0.5762 0.5968 0.6174
0.6380 0.6586 0.6791 0.6997 0.7203
0.7409 0.7615 0.7820 0.8026 0.8232
0.8435 0.8631 0.8819 0.9002 0.9178
0.9349 0.9515 0.9677 0.9834 1.0000
Width:
0.0181 0.0362 0.0543 0.0724 0.0905
0.1086 0.1267 0.1448 0.1629 0.1810
0.1991 0.2173 0.2354 0.2535 0.2716
0.2897 0.3078 0.3259 0.3440 0.3621
0.3802 0.3983 0.4164 0.4345 0.4526
0.4707 0.4888 0.5069 0.5250 0.5431
0.5612 0.5793 0.5974 0.6156 0.6337
0.6518 0.6699 0.6880 0.7061 0.7252
0.7498 0.7778 0.8058 0.8338 0.8618
0.8898 0.9178 0.9458 0.9738 1.0000

Transect XS8
Area:
0.0009 0.0035 0.0078 0.0139 0.0216
0.0312 0.0424 0.0554 0.0701 0.0866
0.1047 0.1247 0.1456 0.1668 0.1880
0.2094 0.2309 0.2525 0.2742 0.2961
0.3181 0.3402 0.3624 0.3848 0.4073
0.4299 0.4526 0.4755 0.4985 0.5216
0.5448 0.5682 0.5916 0.6152 0.6389
0.6627 0.6865 0.7103 0.7342 0.7581
0.7821 0.8061 0.8302 0.8543 0.8785
0.9027 0.9269 0.9512 0.9756 1.0000
Hrad:
0.0163 0.0326 0.0490 0.0653 0.0816
0.0979 0.1143 0.1306 0.1469 0.1632
0.1796 0.1959 0.2240 0.2527 0.2807
0.3082 0.3350 0.3613 0.3871 0.4123
0.4370 0.4612 0.4850 0.5083 0.5312
0.5537 0.5758 0.5975 0.6189 0.6399
0.6605 0.6808 0.7008 0.7205 0.7403
0.7597 0.7789 0.7976 0.8161 0.8342
0.8521 0.8696 0.8868 0.9038 0.9205
0.9369 0.9530 0.9689 0.9846 1.0000
Width:
0.0709 0.1418 0.2127 0.2835 0.3544
0.4253 0.4962 0.5671 0.6380 0.7089
0.7797 0.8506 0.8622 0.8673 0.8723
0.8774 0.8825 0.8876 0.8926 0.8977
0.9028 0.9079 0.9129 0.9180 0.9231
0.9282 0.9332 0.9383 0.9434 0.9485
0.9535 0.9586 0.9637 0.9688 0.9711
0.9730 0.9749 0.9768 0.9788 0.9807

```
            0.9826     0.9846     0.9865     0.9884     0.9904
            0.9923     0.9942     0.9961     0.9981     1.0000

Transect XS9
Area:
            0.0006     0.0026     0.0058     0.0103     0.0161
            0.0232     0.0316     0.0412     0.0522     0.0644
            0.0779     0.0926     0.1079     0.1239     0.1404
            0.1575     0.1753     0.1936     0.2125     0.2321
            0.2522     0.2728     0.2938     0.3152     0.3371
            0.3593     0.3819     0.4050     0.4284     0.4523
            0.4765     0.5012     0.5262     0.5517     0.5775
            0.6038     0.6305     0.6576     0.6850     0.7129
            0.7408     0.7690     0.7973     0.8258     0.8544
            0.8832     0.9122     0.9413     0.9706     1.0000
Hrad:
            0.0150     0.0301     0.0451     0.0602     0.0752
            0.0903     0.1053     0.1204     0.1354     0.1505
            0.1655     0.1854     0.2076     0.2293     0.2505
            0.2712     0.2916     0.3115     0.3312     0.3505
            0.3699     0.3920     0.4139     0.4355     0.4568
            0.4778     0.4986     0.5191     0.5395     0.5596
            0.5796     0.5993     0.6189     0.6383     0.6575
            0.6766     0.6955     0.7143     0.7330     0.7560
            0.7809     0.8058     0.8305     0.8551     0.8795
            0.9038     0.9281     0.9522     0.9761     1.0000
Width:
            0.0436     0.0873     0.1309     0.1746     0.2182
            0.2619     0.3055     0.3491     0.3928     0.4364
            0.4801     0.5093     0.5296     0.5499     0.5703
            0.5906     0.6110     0.6313     0.6516     0.6720
            0.6918     0.7055     0.7191     0.7328     0.7465
            0.7601     0.7738     0.7875     0.8011     0.8148
            0.8285     0.8421     0.8558     0.8695     0.8831
            0.8968     0.9105     0.9241     0.9378     0.9459
            0.9513     0.9567     0.9621     0.9675     0.9730
            0.9784     0.9838     0.9892     0.9946     1.0000


*********************************************************
NOTE: The summary statistics displayed in this report are
based on results found at every computational time step,
not just on results from each reporting time step.
*********************************************************

****************
Analysis Options
****************
Flow Units ..... CFS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ YES
  Water Quality .......... NO
```

Flow Routing Method ..... DYNWAVE
Surcharge Method ..... EXTRAN
Starting Date 11/01/2021 00:00:00
Ending Date 11/01/2021 12:00:00
Antecedent Dry Days 0.0
Report Time Step 00:03:00
Routing Time Step ..... 5.00 sec
Variable Time Step ..... YES
Maximum Trials 8
Number of Threads 6
Head Tolerance ..... 0.005000 ft

Flow Routing Continuity	Volume acre-feet	Volume 10^6 gal
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	0.000	0.000
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	62.900	20.497
External Outflow	61.693	20.104
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.001	0.000
Final Stored Volume	1.160	0.378
Continuity Error (%)	0.076	

Highest Continuity Errors
Node J107 (9.55%)
Node J32 (1.23%)
Node J90 (-1.13%)

Time-Step Critical Elements
Link C145 (60.61%)
Link C4_1 (17.80%)
Link C79 (8.94%)
Link C103 (5.19%)
Link C9 (2.80%)

Highest Flow Instability Indexes
Link C4_1 (60)
Link C4 (41)
Link C4_2 (28)
Link C18 (20)
Link C19 (20)

```
*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     0.50 sec
Average Time Step           :     0.96 sec
Maximum Time Step           :     5.00 sec
Percent in Steady State     :     0.00
Average Iterations per Step :     2.26
Percent Not Converging      :     1.61
Time Step Frequencies       :
    5.000 -  3.155 sec      :     1.86 %
    3.155 -  1.991 sec      :    12.84 %
    1.991 -  1.256 sec      :     8.63 %
    1.256 -  0.792 sec      :     4.81 %
    0.792 -  0.500 sec      :    71.87 %


******************
Node Depth Summary
******************
```

Node	Type	Average Depth Feet	Maximum Depth Feet	Maximum HGL Feet	Time of Max Occurrence days hr:min	Reported Max Depth Feet
J1	JUNCTION	0.81	2.36	850.75	0 03:31	2.36
J10	JUNCTION	0.76	3.10	882.14	0 03:14	2.92
J100	JUNCTION	0.46	1.31	906.93	0 03:10	1.31
J101	JUNCTION	1.57	7.67	970.95	0 03:06	7.64
J102	JUNCTION	0.31	1.27	999.46	0 03:06	1.27
J103	JUNCTION	0.04	0.12	996.13	0 03:06	0.12
J104	JUNCTION	0.21	3.22	983.31	0 03:05	3.22
J105	JUNCTION	0.25	3.46	982.54	0 03:06	3.35
J106	JUNCTION	0.99	5.32	982.25	0 03:06	5.31
J107	JUNCTION	0.03	0.39	991.17	0 03:08	0.39
J108	JUNCTION	2.28	11.24	1019.24	0 03:10	11.23
J109	JUNCTION	0.00	0.00	978.18	0 00:00	0.00
J11	JUNCTION	0.65	1.66	900.06	0 03:21	1.66
J110	JUNCTION	1.15	5.78	1019.78	0 03:10	5.78
J111	JUNCTION	2.43	11.44	1019.24	0 03:10	11.43
J112	JUNCTION	0.00	0.00	998.36	0 00:00	0.00
J113	JUNCTION	0.29	4.24	1041.48	0 03:08	4.24
J114	JUNCTION	0.00	0.00	891.30	0 00:00	0.00
J115	JUNCTION	0.00	0.00	892.11	0 00:00	0.00
J116	JUNCTION	0.00	0.00	894.30	0 00:00	0.00
J117	JUNCTION	1.24	4.33	886.41	0 03:10	4.30
J118	JUNCTION	0.40	1.17	891.96	0 03:06	1.16
J119	JUNCTION	0.60	1.42	892.05	0 03:06	1.42
J12	JUNCTION	0.46	1.36	897.30	0 03:09	1.35
J120	JUNCTION	0.24	0.94	892.41	0 03:06	0.94
J121	JUNCTION	0.01	0.28	892.41	0 03:06	0.28
J122	JUNCTION	0.16	0.61	894.52	0 03:06	0.61
J123	JUNCTION	0.00	0.00	893.13	0 00:00	0.00
J124	JUNCTION	0.00	0.00	893.48	0 00:00	0.00
J125	JUNCTION	0.24	0.94	882.59	0 03:06	0.94

J126	JUNCTION	0.41	2.03	879.65	0	03:06	2.01
J127	JUNCTION	0.00	0.00	884.30	0	00:00	0.00
J128	JUNCTION	0.00	0.00	882.80	0	00:00	0.00
J129	JUNCTION	0.24	0.93	877.98	0	03:06	0.93
J13	JUNCTION	0.78	3.20	863.56	0	03:16	3.11
J130	JUNCTION	0.34	1.45	864.32	0	03:06	1.44
J131	JUNCTION	0.25	1.00	862.66	0	03:09	1.00
J132	JUNCTION	0.45	1.88	993.78	0	03:09	1.87
J133	JUNCTION	0.41	2.09	985.88	0	03:09	2.08
J134	JUNCTION	2.15	2.41	1045.20	0	03:09	2.41
J135	JUNCTION	0.68	4.14	981.23	0	03:09	4.13
J136	JUNCTION	0.44	2.92	976.38	0	03:09	2.87
J137	JUNCTION	0.45	2.49	973.20	0	03:09	2.49
J138	JUNCTION	0.52	3.20	974.58	0	03:09	3.19
J139	JUNCTION	0.36	1.55	961.05	0	03:14	1.55
J14	JUNCTION	1.17	4.90	863.72	0	03:16	4.84
J140	JUNCTION	0.89	8.50	939.65	0	03:16	8.39
J141	JUNCTION	0.63	3.83	933.32	0	03:15	3.83
J142	JUNCTION	0.11	3.36	1050.32	0	03:11	3.33
J143	JUNCTION	0.40	2.21	1036.18	0	03:11	2.21
J144	JUNCTION	0.37	4.22	970.99	0	03:06	4.15
J145	JUNCTION	0.28	3.34	970.99	0	03:06	3.30
J146	JUNCTION	0.27	3.30	970.95	0	03:07	3.28
J147	JUNCTION	0.35	4.08	1050.33	0	03:11	4.04
J148	JUNCTION	0.77	1.51	930.59	0	03:09	1.51
J149	JUNCTION	0.10	2.02	1075.90	0	03:08	2.02
J15	JUNCTION	0.69	3.04	861.48	0	03:16	3.00
J150	JUNCTION	0.53	4.31	1050.31	0	03:11	4.29
J151	JUNCTION	0.54	1.19	997.69	0	03:43	1.18
J152	JUNCTION	0.22	2.94	985.52	0	03:22	2.70
J153	JUNCTION	1.60	6.07	985.39	0	03:05	5.99
J154	JUNCTION	0.50	2.08	978.89	0	03:09	2.06
J155	JUNCTION	0.53	2.64	979.80	0	03:09	2.61
J156	JUNCTION	0.33	1.94	980.58	0	03:09	1.90
J157	JUNCTION	0.37	1.97	982.74	0	03:09	1.96
J158	JUNCTION	1.48	2.74	983.54	0	03:09	2.74
J159	JUNCTION	0.38	2.06	1004.22	0	03:09	2.05
J16	JUNCTION	1.16	4.11	861.03	0	03:16	4.07
J160	JUNCTION	0.00	0.00	1029.71	0	00:00	0.00
J161	JUNCTION	0.00	0.00	1014.00	0	00:00	0.00
J162	JUNCTION	0.75	3.62	1007.60	0	03:09	3.62
J163	JUNCTION	0.00	0.00	1008.97	0	00:00	0.00
J164	JUNCTION	0.00	0.00	1009.11	0	00:00	0.00
J165	JUNCTION	0.00	0.00	1011.41	0	00:00	0.00
J166	JUNCTION	0.22	1.10	977.10	0	03:09	1.09
J167	JUNCTION	0.14	0.62	966.53	0	03:10	0.62
J168	JUNCTION	0.00	0.00	912.61	0	00:00	0.00
J169	JUNCTION	0.00	0.00	912.00	0	00:00	0.00
J17	JUNCTION	0.62	2.75	857.33	0	03:16	2.71
J170	JUNCTION	0.00	0.00	908.86	0	00:00	0.00
J171	JUNCTION	0.00	0.00	905.27	0	00:00	0.00
J172	JUNCTION	0.28	1.07	902.97	0	03:09	1.07
J173	JUNCTION	0.00	0.00	910.94	0	00:00	0.00
J174	JUNCTION	0.00	0.00	909.90	0	00:00	0.00
J175	JUNCTION	0.00	0.00	908.08	0	00:00	0.00
J176	JUNCTION	0.00	0.00	901.94	0	00:00	0.00
J177	JUNCTION	0.00	0.00	900.54	0	00:00	0.00

J178	JUNCTION	0.00	0.00	903.72	0	00:00	0.00
J179	JUNCTION	0.00	0.00	898.29	0	00:00	0.00
J18	JUNCTION	0.85	3.24	856.79	0	03:16	3.20
J180	JUNCTION	0.46	1.91	897.23	0	03:09	1.91
J181	JUNCTION	0.10	1.41	891.41	0	03:07	1.38
J182	JUNCTION	0.47	2.01	890.44	0	03:06	1.99
J183	JUNCTION	0.00	0.00	884.34	0	00:00	0.00
J184	JUNCTION	0.00	0.00	861.91	0	00:00	0.00
J185	JUNCTION	0.00	0.00	927.55	0	00:00	0.00
J186	JUNCTION	0.00	0.10	926.30	0	03:12	0.10
J187	JUNCTION	0.33	1.67	1013.46	0	03:09	1.65
J19	JUNCTION	0.78	2.34	850.75	0	03:32	2.34
J2	JUNCTION	1.11	3.49	864.70	0	03:16	3.42
J20	JUNCTION	0.98	2.28	847.60	0	03:32	2.28
J21	JUNCTION	0.99	2.93	866.52	0	03:16	2.88
J22	JUNCTION	1.28	5.67	869.65	0	03:16	5.59
J23	JUNCTION	1.49	5.82	869.68	0	03:16	5.73
J24	JUNCTION	1.39	4.83	869.66	0	03:16	4.75
J25	JUNCTION	1.18	3.95	869.79	0	03:16	3.89
J26	JUNCTION	0.70	2.53	870.49	0	03:15	2.53
J27	JUNCTION	0.98	2.52	874.06	0	03:15	2.51
J28	JUNCTION	0.56	4.12	947.33	0	03:06	4.12
J29	JUNCTION	1.01	6.43	933.12	0	03:14	6.43
J3	JUNCTION	0.67	2.15	855.31	0	03:14	2.11
J30	JUNCTION	0.99	4.39	926.41	0	03:09	4.39
J31	JUNCTION	1.99	6.67	926.29	0	03:11	6.67
J32	JUNCTION	1.49	6.02	925.29	0	03:14	6.02
J33	JUNCTION	1.23	6.67	924.41	0	03:14	6.67
J34	JUNCTION	1.26	8.23	907.45	0	03:16	8.12
J35	JUNCTION	0.82	7.28	915.82	0	03:15	7.24
J36	JUNCTION	0.68	2.09	899.80	0	03:15	2.08
J37	JUNCTION	0.37	1.21	898.14	0	03:16	1.20
J38	JUNCTION	0.88	3.50	890.63	0	03:16	3.46
J39	JUNCTION	0.72	1.88	887.55	0	03:16	1.87
J4	JUNCTION	1.30	5.25	859.66	0	03:16	5.14
J40	JUNCTION	0.35	1.42	904.98	0	03:09	1.42
J41	JUNCTION	4.52	6.30	900.75	0	03:09	6.29
J42	JUNCTION	0.51	1.49	899.76	0	03:09	1.49
J43	JUNCTION	0.39	1.67	896.81	0	03:06	1.66
J44	JUNCTION	0.41	2.01	891.40	0	03:06	1.99
J45	JUNCTION	0.80	2.35	889.70	0	03:07	2.33
J46	JUNCTION	0.69	4.89	1034.12	0	03:09	4.89
J47	JUNCTION	0.55	4.29	1033.32	0	03:08	4.29
J48	JUNCTION	0.57	3.59	1031.82	0	03:09	3.58
J49	JUNCTION	0.32	1.23	1028.41	0	03:09	1.23
J5	JUNCTION	0.51	2.00	855.85	0	03:16	1.98
J50	JUNCTION	0.41	1.76	1013.45	0	03:09	1.75
J51	JUNCTION	0.40	1.63	1006.95	0	03:09	1.62
J52	JUNCTION	0.43	2.14	998.83	0	03:09	2.12
J53	JUNCTION	0.24	5.34	1077.75	0	03:07	5.25
J54	JUNCTION	0.67	10.76	1081.48	0	03:07	10.40
J55	JUNCTION	1.07	14.99	1080.59	0	03:07	14.58
J56	JUNCTION	1.50	16.13	1066.73	0	03:09	16.13
J57	JUNCTION	0.46	2.01	1016.90	0	03:07	2.01
J58	JUNCTION	0.15	0.52	1046.27	0	03:09	0.52
J59	JUNCTION	0.76	6.80	1041.32	0	03:08	6.80
J6	JUNCTION	0.62	1.72	868.12	0	03:16	1.70

J60	JUNCTION	0.86	5.29	1026.79	0	03:07	5.29
J61	JUNCTION	1.10	4.91	1007.51	0	03:07	4.91
J62	JUNCTION	1.08	5.55	1007.33	0	03:07	5.54
J63	JUNCTION	0.38	1.40	997.25	0	03:08	1.40
J64	JUNCTION	1.19	5.61	992.41	0	03:08	5.61
J65	JUNCTION	0.66	2.12	988.66	0	03:08	2.12
J66	JUNCTION	1.19	4.76	983.62	0	03:09	4.76
J67	JUNCTION	0.57	2.56	984.92	0	03:08	2.56
J68	JUNCTION	0.98	6.19	983.16	0	03:07	6.16
J69	JUNCTION	1.00	6.13	982.50	0	03:09	6.13
J7	JUNCTION	2.80	8.36	883.74	0	03:15	7.73
J70	JUNCTION	1.50	8.36	981.77	0	03:09	8.35
J71	JUNCTION	0.11	0.50	970.16	0	03:09	0.50
J72	JUNCTION	0.01	1.17	1056.79	0	03:10	0.93
J74	JUNCTION	0.08	4.43	1056.72	0	03:11	4.31
J75	JUNCTION	0.06	3.78	1056.79	0	03:11	3.56
J76	JUNCTION	0.04	3.37	1057.05	0	03:08	2.88
J77	JUNCTION	1.51	5.86	1034.32	0	03:11	5.86
J78	JUNCTION	1.51	9.27	1030.71	0	03:09	9.27
J79	JUNCTION	1.16	7.44	1033.59	0	03:09	7.44
J8	JUNCTION	0.70	2.29	877.37	0	03:12	2.21
J80	JUNCTION	1.77	8.18	1022.73	0	03:09	8.18
J81	JUNCTION	0.82	4.73	1019.73	0	03:10	4.72
J82	JUNCTION	1.16	5.67	1019.67	0	03:10	5.67
J83	JUNCTION	0.21	0.98	1020.78	0	03:09	0.98
J84	JUNCTION	0.34	2.11	1020.16	0	03:08	2.09
J85	JUNCTION	0.54	2.20	990.45	0	03:09	2.20
J86	JUNCTION	0.38	1.47	988.64	0	03:09	1.47
J87	JUNCTION	0.45	1.44	987.84	0	03:09	1.43
J88	JUNCTION	0.42	1.33	986.97	0	03:09	1.32
J89	JUNCTION	0.77	4.72	986.24	0	03:22	4.63
J9	JUNCTION	2.54	7.94	883.60	0	03:16	7.65
J90	JUNCTION	1.58	5.65	985.90	0	03:05	5.61
J91	JUNCTION	1.26	8.09	1056.75	0	03:11	7.93
J92	JUNCTION	0.72	3.73	979.68	0	03:05	3.60
J93	JUNCTION	0.79	3.87	979.28	0	03:05	3.74
J94	JUNCTION	1.18	4.47	978.27	0	03:05	4.44
J95	JUNCTION	1.49	4.67	978.06	0	03:06	4.67
J96	JUNCTION	0.63	3.32	976.59	0	03:06	3.04
J97	JUNCTION	1.81	6.82	971.52	0	03:06	6.73
J98	JUNCTION	1.68	7.37	969.90	0	03:06	7.33
J99	JUNCTION	0.30	1.25	963.23	0	03:06	1.23
OF1	OUTFALL	0.98	2.27	845.31	0	03:32	2.27
J73	STORAGE	0.74	11.36	1059.94	0	03:08	7.98
SU1	STORAGE	0.69	1.84	949.94	0	03:21	1.84
SU2	STORAGE	0.04	0.94	891.40	0	03:06	0.92

****
Node Inflow Summary
****

Node	Type	Maximum Lateral	Maximum Total	Time of Max	Lateral Inflow	Total Inflow	Flow Balance

Node	Type	Inflow CFS	Inflow CFS	Occurrence days	Occurrence hr:min	Volume 10^6 gal	Volume 10^6 gal	Error Percent
J1	JUNCTION	68.50	703.13	0	03:16	1.38	20.3	0.472
J10	JUNCTION	0.00	345.22	0	03:13	0	10.3	-0.020
J100	JUNCTION	0.00	126.32	0	03:10	0	2.69	0.070
J101	JUNCTION	22.07	107.56	0	03:00	0.448	3.96	-0.009
J102	JUNCTION	7.98	7.98	0	03:06	0.15	0.15	-0.251
J103	JUNCTION	0.00	3.22	0	03:06	0	0.121	-0.000
J104	JUNCTION	0.00	3.22	0	03:06	0	0.121	0.023
J105	JUNCTION	0.00	5.12	0	03:22	0	0.121	-0.038
J106	JUNCTION	0.00	150.37	0	03:06	0	3.94	-0.006
J107	JUNCTION	0.00	4.76	0	03:06	0	0.029	10.554
J108	JUNCTION	0.00	1.84	0	02:53	0	0.00508	0.020
J109	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J11	JUNCTION	19.70	199.27	0	03:21	0.386	6.28	0.014
J110	JUNCTION	0.00	47.90	0	03:09	0	2.32	-0.008
J111	JUNCTION	0.00	38.79	0	02:54	0	2.11	0.002
J112	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J113	JUNCTION	0.00	21.04	0	03:08	0	0.128	0.168
J114	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J115	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J116	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J117	JUNCTION	58.66	126.84	0	03:09	1.25	2.72	-0.008
J118	JUNCTION	0.00	14.04	0	03:06	0	0.296	-0.111
J119	JUNCTION	0.00	14.03	0	03:06	0	0.296	-0.008
J12	JUNCTION	66.63	189.03	0	03:09	1.32	4.01	-0.036
J120	JUNCTION	0.00	14.02	0	03:06	0	0.296	0.001
J121	JUNCTION	0.00	0.02	0	02:57	0	4.12e-05	0.124
J122	JUNCTION	14.02	14.02	0	03:06	0.296	0.296	-0.000

J123		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J124		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J125		JUNCTION	28.93	28.93	0	03:06	0.612
0.612	0.000						
J126		JUNCTION	0.00	28.93	0	03:06	0
0.612	-0.000						
J127		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J128		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J129		JUNCTION	0.00	28.96	0	03:06	0
0.612	0.001						
J13		JUNCTION	0.00	284.73	0	03:16	0
7.71	0.000						
J130		JUNCTION	0.00	28.95	0	03:06	0
0.612	-0.001						
J131		JUNCTION	0.00	28.97	0	03:06	0
0.612	-0.002						
J132		JUNCTION	25.77	98.88	0	03:09	0.527
2.06	-0.000						
J133		JUNCTION	21.31	120.06	0	03:09	0.434
2.5	-0.000						
J134		JUNCTION	0.00	37.74	0	03:09	0
1.11	0.141						
J135		JUNCTION	0.00	120.06	0	03:09	0
2.5	-0.005						
J136		JUNCTION	0.00	120.07	0	03:09	0
2.5	-0.002						
J137		JUNCTION	0.00	119.83	0	03:09	0
2.5	0.000						
J138		JUNCTION	0.00	119.83	0	03:09	0
2.5	-0.001						
J139		JUNCTION	0.00	119.92	0	03:09	0
2.5	-0.033						
J14		JUNCTION	0.00	284.56	0	03:16	0
7.71	0.000						
J140		JUNCTION	0.00	55.25	0	03:13	0
1.06	0.067						
J141		JUNCTION	0.00	53.84	0	03:16	0
1.06	0.045						
J142		JUNCTION	0.00	1.36	0	03:09	0
0.000599	-0.030						
J143		JUNCTION	0.00	99.51	0	03:11	0
2.22	0.000						
J144		JUNCTION	0.00	4.01	0	02:56	0
0.00222	0.026						
J145		JUNCTION	0.00	0.92	0	02:58	0
0.000867	1.137						
J146		JUNCTION	0.00	2.70	0	03:00	0
0.0037	-0.148						
J147		JUNCTION	0.00	1.94	0	03:08	0
0.000758	0.998						
J148		JUNCTION	0.00	65.71	0	03:09	0
0.44	-0.101						
J149		JUNCTION	0.00	19.53	0	03:07	0
0.0997	-1.196						
J15		JUNCTION	0.00	302.54	0	03:16	0
8.32	0.000						

J150		JUNCTION	22.27	101.19	0	03:09	0.442	
2.22	-0.002							
J151		JUNCTION	0.00	35.08	0	03:43	0	
2.1	0.001							
J152		JUNCTION	0.00	8.05	0	03:06	0	
0.00982	1.110							
J153		JUNCTION	0.00	152.51	0	03:05	0	
3.82	-0.059							
J154		JUNCTION	0.00	39.05	0	03:09	0	
0.828	-0.000							
J155		JUNCTION	0.00	39.05	0	03:09	0	
0.828	0.000							
J156		JUNCTION	0.00	39.05	0	03:09	0	
0.828	-0.000							
J157		JUNCTION	0.00	39.05	0	03:09	0	
0.828	0.000							
J158		JUNCTION	0.00	39.05	0	03:09	0	
0.828	0.010							
J159		JUNCTION	0.00	39.25	0	03:09	0	
0.828	0.000							
J16		JUNCTION	0.00	302.52	0	03:16	0	
8.32	0.001							
J160		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J161		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J162		JUNCTION	39.30	39.30	0	03:09	0.828	
0.828	0.001							
J163		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J164		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J165		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J166		JUNCTION	0.00	39.05	0	03:09	0	
0.828	0.000							
J167		JUNCTION	0.00	126.55	0	03:09	0	
2.69	-0.009							
J168		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J169		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J17		JUNCTION	14.96	311.07	0	03:16	0.288	
8.61	-0.000							
J170		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J171		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J172		JUNCTION	0.00	37.32	0	03:09	0	
0.774	0.001							
J173		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J174		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J175		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J176		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J177		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							

J178	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J179	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J18	JUNCTION	0.00	311.10	0	03:16	0	8.61
-0.003							
J180	JUNCTION	0.00	37.30	0	03:09	0	0.774
0.001							
J181	JUNCTION	0.00	0.57	0	03:00	0	0.00284
0.005							
J182	JUNCTION	0.00	55.41	0	03:06	0	1.17
-0.000							
J183	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J184	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J185	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J186	JUNCTION	0.00	0.07	0	03:06	0	7.45e-05
0.105							
J187	JUNCTION	0.00	0.04	0	02:58	0	0.000112
-1.024							
J19	JUNCTION	0.00	526.80	0	03:21	0	20.2
0.359							
J2	JUNCTION	0.00	284.99	0	03:16	0	7.71
-0.001							
J20	JUNCTION	0.00	451.70	0	03:32	0	20.1
0.002							
J21	JUNCTION	0.00	285.04	0	03:16	0	7.71
-0.000							
J22	JUNCTION	0.00	285.13	0	03:16	0	7.71
0.001							
J23	JUNCTION	0.00	285.18	0	03:15	0	7.71
0.001							
J24	JUNCTION	0.00	285.78	0	03:15	0	7.71
0.000							
J25	JUNCTION	0.00	286.26	0	03:15	0	7.71
0.000							
J26	JUNCTION	0.00	286.09	0	03:15	0	7.71
0.000							
J27	JUNCTION	0.00	286.31	0	03:15	0	7.71
0.015							
J28	JUNCTION	108.23	108.23	0	03:06	2.24	2.24
0.040							
J29	JUNCTION	0.00	81.67	0	03:02	0	2.86
-0.004							
J3	JUNCTION	0.00	352.38	0	03:16	0	10.3
0.003							
J30	JUNCTION	0.00	144.97	0	03:09	0	3.3
-0.018							
J31	JUNCTION	0.00	143.91	0	03:09	0	3.3
0.037							
J32	JUNCTION	0.00	189.35	0	03:09	0	4.74
1.243							
J33	JUNCTION	0.00	172.72	0	03:14	0	4.68
0.000							
J34	JUNCTION	5.93	172.89	0	03:15	0.127	4.81
-0.013							
J35	JUNCTION	0.00	172.39	0	03:14	0	4.68
-0.001							

J36		JUNCTION	0.00	173.16	0	03:16	0
4.81	0.018						
J37		JUNCTION	0.00	182.57	0	03:15	0
4.81	-0.018						
J38		JUNCTION	8.91	179.07	0	03:15	0.179
4.99	0.000						
J39		JUNCTION	0.00	177.05	0	03:16	0
4.99	0.003						
J4		JUNCTION	0.00	388.39	0	03:16	0
10.3	0.009						
J40		JUNCTION	37.34	37.34	0	03:09	0.774
0.774	-0.000						
J41		JUNCTION	0.00	37.32	0	03:09	0
0.774	0.050						
J42		JUNCTION	0.00	37.31	0	03:09	0
0.774	0.005						
J43		JUNCTION	19.48	55.43	0	03:06	0.399
1.17	-0.000						
J44		JUNCTION	0.00	55.44	0	03:06	0
1.17	-0.000						
J45		JUNCTION	0.00	55.41	0	03:06	0
1.17	-0.044						
J46		JUNCTION	56.15	56.15	0	03:09	1.18
1.18	0.000						
J47		JUNCTION	0.00	56.15	0	03:09	0
1.18	0.001						
J48		JUNCTION	0.00	56.15	0	03:09	0
1.18	0.001						
J49		JUNCTION	0.00	56.16	0	03:09	0
1.18	-0.000						
J5		JUNCTION	0.00	351.24	0	03:16	0
10.3	0.001						
J50		JUNCTION	17.52	73.58	0	03:09	0.357
1.54	-0.002						
J51		JUNCTION	0.00	73.53	0	03:09	0
1.54	0.004						
J52		JUNCTION	0.00	73.58	0	03:09	0
1.54	-0.000						
J53		JUNCTION	0.00	19.58	0	03:07	0
0.103	-0.025						
J54		JUNCTION	39.64	39.64	0	03:06	0.786
0.79	-0.016						
J55		JUNCTION	22.34	43.32	0	03:00	0.424
1.11	0.005						
J56		JUNCTION	0.00	39.16	0	03:06	0
1.11	-0.093						
J57		JUNCTION	0.00	74.94	0	03:07	0
1.6	-0.008						
J58		JUNCTION	0.00	37.74	0	03:09	0
1.11	0.001						
J59		JUNCTION	0.00	57.15	0	03:08	0
1.21	-0.030						
J6		JUNCTION	0.00	422.35	0	03:12	0
10.3	-0.011						
J60		JUNCTION	20.28	74.95	0	03:07	0.393
1.6	0.029						
J61		JUNCTION	0.00	74.94	0	03:07	0
1.6	-0.003						
J62		JUNCTION	0.00	74.98	0	03:07	0
1.6	-0.000						

J63	JUNCTION	0.00	74.98	0	03:08	0	
1.6	-0.005						
J64	JUNCTION	12.99	87.85	0	03:08	0.258	
1.86	0.035						
J65	JUNCTION	0.00	87.80	0	03:08	0	
1.86	-0.007						
J66	JUNCTION	0.00	87.77	0	03:08	0	
1.86	0.004						
J67	JUNCTION	0.00	87.79	0	03:08	0	
1.86	0.000						
J68	JUNCTION	0.00	42.56	0	02:56	0	
1.45	0.010						
J69	JUNCTION	0.00	42.56	0	02:56	0	
1.45	-0.001						
J7	JUNCTION	0.00	552.68	0	03:15	0	
10.3	0.077						
J70	JUNCTION	0.00	42.56	0	02:56	0	
1.45	-0.011						
J71	JUNCTION	0.00	87.73	0	03:09	0	
1.86	-0.000						
J72	JUNCTION	0.00	4.64	0	03:10	0	
0.00222	0.240						
J74	JUNCTION	0.00	6.45	0	03:08	0	
0.00241	0.152						
J75	JUNCTION	0.00	2.00	0	03:08	0	
0.000773	0.259						
J76	JUNCTION	0.00	2.80	0	03:08	0	
0.000345	-1.813						
J77	JUNCTION	6.88	105.55	0	03:10	0.138	
2.35	0.021						
J78	JUNCTION	0.00	48.33	0	02:53	0	
2.17	-0.006						
J79	JUNCTION	29.35	50.19	0	02:55	0.583	
2.17	-0.023						
J8	JUNCTION	0.00	491.52	0	03:15	0	
10.3	-0.056						
J80	JUNCTION	0.00	47.92	0	03:08	0	
2.17	-0.008						
J81	JUNCTION	0.00	99.00	0	03:10	0	
1.1	-0.004						
J82	JUNCTION	0.00	112.09	0	03:10	0	
1.32	-0.007						
J83	JUNCTION	16.28	16.28	0	03:09	0.327	
0.327	0.008						
J84	JUNCTION	0.00	16.28	0	03:09	0	
0.327	-0.009						
J85	JUNCTION	40.05	183.27	0	03:09	0.776	
4.04	-0.002						
J86	JUNCTION	0.00	141.65	0	03:09	0	
3.8	-0.000						
J87	JUNCTION	0.00	183.01	0	03:09	0	
4.04	0.000						
J88	JUNCTION	0.00	183.01	0	03:09	0	
4.04	-0.000						
J89	JUNCTION	0.00	183.00	0	03:09	0	
4.04	-0.001						
J9	JUNCTION	0.00	497.63	0	03:15	0	
10.3	0.065						
J90	JUNCTION	0.00	202.87	0	03:22	0	
4.04	-1.119						

J91	JUNCTION	0.00	6.07	0	03:08	0	0.00397	3.206
J92	JUNCTION	22.45	216.28	0	03:06	0.448	4.66	-0.000
J93	JUNCTION	0.00	219.72	0	03:06	0	4.66	-0.000
J94	JUNCTION	0.00	225.57	0	03:06	0	4.66	0.001
J95	JUNCTION	0.00	227.78	0	03:06	0	4.66	0.004
J96	JUNCTION	0.00	237.34	0	03:06	0	4.66	-0.000
J97	JUNCTION	0.00	234.02	0	03:06	0	4.66	0.014
J98	JUNCTION	12.74	276.56	0	03:06	0.247	5.38	-0.031
J99	JUNCTION	0.00	251.12	0	03:06	0	5.38	-0.082
OF1	OUTFALL	0.00	451.70	0	03:32	0	20.1	0.000
J73	STORAGE	87.81	90.36	0	03:08	1.77	1.78	-0.006
SU1	STORAGE	36.29	281.88	0	03:07	0.718	6.1	0.210
SU2	STORAGE	0.00	0.56	0	03:00	0	0.00136	0.024

****
Node Surcharge Summary
****

Surcharging occurs when water rises above the top of the highest conduit.

Node	Type	Hours Surcharged	Max. Height Above Crown Feet	Min. Depth Below Rim Feet
J101	JUNCTION	0.67	3.770	0.000
J104	JUNCTION	0.26	1.720	0.000
J105	JUNCTION	0.32	2.258	0.000
J106	JUNCTION	0.28	1.821	0.000
J108	JUNCTION	1.26	9.986	0.000
J110	JUNCTION	0.97	3.279	0.000
J111	JUNCTION	1.17	8.936	0.000
J135	JUNCTION	0.08	0.644	7.866
J138	JUNCTION	0.08	0.200	10.420
J140	JUNCTION	0.34	5.288	0.000
J142	JUNCTION	0.22	2.365	0.000
J144	JUNCTION	0.61	2.965	0.000
J145	JUNCTION	0.58	2.094	0.000
J146	JUNCTION	0.58	2.051	0.000
J147	JUNCTION	0.31	2.579	0.000
J150	JUNCTION	0.13	1.813	0.000
J152	JUNCTION	0.55	1.695	0.000
J153	JUNCTION	0.67	2.563	0.000
J181	JUNCTION	0.13	0.162	3.178
J187	JUNCTION	0.46	0.668	1.332

J29	JUNCTION	0.51	2.614	0.000
J46	JUNCTION	0.20	1.887	0.693
J47	JUNCTION	0.16	1.292	0.548
J48	JUNCTION	0.19	1.087	0.463
J53	JUNCTION	0.36	3.838	0.000
J54	JUNCTION	0.39	8.761	0.000
J55	JUNCTION	0.46	12.692	0.000
J56	JUNCTION	0.63	13.880	0.000
J68	JUNCTION	0.68	3.390	0.630
J69	JUNCTION	0.69	3.626	0.000
J70	JUNCTION	0.79	5.705	0.000
J74	JUNCTION	0.16	3.182	0.000
J75	JUNCTION	0.11	2.528	0.000
J76	JUNCTION	0.08	2.122	0.000
J78	JUNCTION	0.79	6.615	0.000
J79	JUNCTION	0.76	4.835	0.000
J80	JUNCTION	1.00	5.526	0.000
J84	JUNCTION	0.36	0.385	2.645
J91	JUNCTION	0.30	5.421	0.000
J73	STORAGE	0.27	8.209	0.000

****
Node Flooding Summary
****

Flooding refers to all water that overflows a node, whether it ponds or not.

Node	Hours Flooded	Maximum Rate CFS	Time of Max Occurrence days	hr:min	Total Flood Volume 10^6 gal	Maximum Ponded Depth Feet
J101	0.57	4.51	0	02:59	0.003	1.670
J104	0.01	2.21	0	03:05	0.000	0.020
J105	0.01	3.19	0	03:06	0.000	0.158
J106	0.26	17.81	0	03:05	0.001	0.807
J108	1.15	1.84	0	02:53	0.005	6.036
J110	0.81	4.14	0	02:55	0.002	0.779
J111	1.17	4.64	0	02:51	0.013	6.136
J140	0.30	6.80	0	03:10	0.016	3.158
J142	0.08	1.35	0	03:09	0.000	0.585
J144	0.57	3.27	0	02:56	0.002	1.485
J145	0.36	0.81	0	03:01	0.001	0.344
J146	0.48	2.70	0	03:00	0.002	0.871
J147	0.08	1.73	0	03:08	0.001	0.519
J150	0.06	2.48	0	03:09	0.001	0.313
J152	0.31	8.03	0	03:06	0.005	0.645
J153	0.52	26.70	0	03:22	0.018	0.949
J29	0.47	4.90	0	02:58	0.003	1.964
J53	0.34	5.61	0	03:20	0.004	2.738
J54	0.39	6.21	0	02:59	0.009	8.261
J55	0.46	7.43	0	02:59	0.016	11.942
J56	0.63	8.11	0	02:56	0.027	12.930
J69	0.55	0.39	0	02:59	0.000	0.276
J70	0.79	14.03	0	02:56	0.009	5.235
J74	0.11	6.44	0	03:08	0.002	2.232

J75	0.06	1.77	0	03:08	0.001	0.578
J76	0.01	2.54	0	03:08	0.000	0.022
J78	0.79	5.67	0	02:53	0.007	5.015
J79	0.75	2.98	0	02:55	0.005	3.885
J80	0.79	3.34	0	02:55	0.005	2.276
J91	0.19	6.05	0	03:08	0.003	3.491

****
Storage Volume Summary
****

Storage Unit	Average Volume 1000 ft3	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 ft3	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CFS
J73	0.723	12	0	0	6.100	100	0 03:08	90.29
SU1	85.393	8	0	0	229.776	22	0 03:21	189.03
SU2	0.008	1	0	0	0.181	20	0 03:06	0.27

****
Outfall Loading Summary
****

Outfall Node	Flow Freq Pcnt	Avg Flow CFS	Max Flow CFS	Total Volume 10^6 gal
OF1	93.67	119.38	451.70	20.102
System	93.67	119.38	451.70	20.102

****
Link Flow Summary
****

Link	Type	Maximum |Flow| CFS	Time of Max Occurrence days hr:min	Maximum |Veloc| ft/sec	Max/ Full Flow	Max/ Full Depth
5	CONDUIT	99.57	0 03:14	13.12	0.19	0.37
C1	CHANNEL	451.70	0 03:32	12.41	0.06	0.23
C10	CHANNEL	302.49	0 03:16	13.11	0.46	0.54
C100	CONDUIT	14.04	0 03:06	5.49	0.35	0.52
C101	CHANNEL	13.96	0 03:06	1.50	0.01	0.30

C102	CONDUIT	14.03	0	03:06	7.38	0.26	0.41
C103	CONDUIT	14.02	0	03:06	16.67	0.34	0.48
C104	CONDUIT	0.04	0	03:09	0.14	0.00	0.20
C105	CONDUIT	0.00	0	00:00	0.00	0.00	0.01
C106	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C107	CHANNEL	176.68	0	03:16	8.38	0.22	0.55
C108	CONDUIT	28.93	0	03:06	12.79	0.45	0.72
C109	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C110	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C111	CONDUIT	28.96	0	03:06	9.36	1.15	0.96
C112	CONDUIT	28.95	0	03:06	15.43	0.44	0.58
C113	CONDUIT	28.97	0	03:06	11.90	0.87	0.73
C114	CONDUIT	28.97	0	03:06	11.52	0.46	0.75
C115	CONDUIT	56.09	0	03:09	15.98	0.35	0.50
C116	CONDUIT	92.41	0	03:11	10.94	0.23	0.53
C116_2	CONDUIT	84.09	0	03:11	3.71	0.41	0.56
C117	CONDUIT	68.97	0	03:07	3.96	0.31	0.65
C118	CONDUIT	73.56	0	03:09	14.67	0.45	0.67
C119	CONDUIT	120.06	0	03:09	15.11	0.36	0.80
C12	CONDUIT	526.80	0	03:21	0.61	0.38	0.94
C120	CONDUIT	120.07	0	03:09	13.75	0.84	0.86
C121	CHANNEL	4.76	0	03:06	4.72	0.09	0.56
C122	CONDUIT	119.92	0	03:09	18.19	0.51	0.49
C122_1	CONDUIT	119.83	0	03:09	11.28	0.64	0.99
C122_2	CONDUIT	119.83	0	03:09	11.48	0.64	0.91
C123	CONDUIT	55.25	0	03:13	12.98	0.66	0.81
C124	CONDUIT	53.84	0	03:16	10.97	1.76	1.00
C125	CONDUIT	33.28	0	03:24	9.58	0.55	1.00
C126	CONDUIT	1.94	0	03:08	1.10	0.13	1.00
C127	CONDUIT	2.28	0	03:13	2.90	0.27	1.00
C127_1	CONDUIT	80.97	0	03:11	16.49	1.47	1.00
C127_2	CONDUIT	99.51	0	03:11	21.38	0.90	0.94
C128	CONDUIT	13.14	0	03:09	6.00	1.46	1.00
C128_1	CONDUIT	38.97	0	03:15	5.02	0.20	0.41
C128_2	CONDUIT	65.57	0	03:09	3.30	0.10	0.48
C128_3	CONDUIT	47.90	0	03:09	9.76	2.20	1.00
C128_4	CONDUIT	35.08	0	03:43	13.51	1.26	0.80
C128_5	CONDUIT	38.79	0	02:54	10.93	0.33	1.00
C128_7	CONDUIT	35.17	0	02:57	17.18	0.37	0.65
C129	CHANNEL	47.32	0	03:00	5.19	0.97	1.00
C13	CONDUIT	311.10	0	03:16	13.33	0.54	0.70
C130	CONDUIT	0.00	0	00:00	0.00	0.00	0.08
C130_1	CONDUIT	38.43	0	03:09	1.60	0.36	1.00
C131	CONDUIT	19.53	0	03:07	11.05	0.78	1.00
C132	CONDUIT	22.79	0	03:08	6.41	0.14	0.35
C132_1	CONDUIT	19.48	0	03:08	10.03	0.23	0.39
C133	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C134	CONDUIT	8.74	0	03:07	6.98	0.44	0.78
C135	CONDUIT	24.55	0	03:09	3.92	0.31	0.52
C136	CONDUIT	36.18	0	03:09	5.44	0.10	0.27
C137	CONDUIT	4.01	0	02:56	3.45	0.30	1.00
C138	CONDUIT	37.19	0	03:07	6.20	0.16	0.57
C139	CONDUIT	39.05	0	03:09	8.28	0.90	0.92
C14	CHANNEL	311.19	0	03:16	16.71	0.40	0.46
C140	CONDUIT	50.35	0	03:08	9.80	0.23	0.44
C141	CONDUIT	20.45	0	03:08	2.97	1.20	0.28
C142	CONDUIT	53.47	0	03:09	9.07	0.28	0.49

C143	CONDUIT	29.39	0	03:09	2.86	1.32	0.25
C144	CONDUIT	39.05	0	03:09	8.48	0.33	0.89
C145	CONDUIT	3.04	0	02:50	9.60	6.38	1.00
C147	CONDUIT	39.05	0	03:09	6.69	0.74	0.78
C148	CONDUIT	3.71	0	03:15	4.71	0.01	0.08
C149	CONDUIT	1.10	0	03:16	3.99	0.00	0.03
C15	CHANNEL	284.56	0	03:16	8.23	0.27	0.84
C150	CONDUIT	5.83	0	03:16	1.80	0.31	0.16
C151	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C152	CONDUIT	10.89	0	02:56	14.19	1.20	1.00
C153	CONDUIT	39.05	0	03:09	5.71	0.78	0.91
C154	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C155	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C156	CONDUIT	94.41	0	03:06	13.17	0.28	0.46
C157	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C158	CONDUIT	39.05	0	03:09	11.83	0.86	0.64
C159	CONDUIT	93.00	0	03:10	3.88	0.04	0.59
C16	CHANNEL	284.73	0	03:16	9.51	0.23	0.52
C160	CONDUIT	39.04	0	03:09	11.32	0.30	0.34
C160_3	CONDUIT	112.06	0	03:10	9.87	0.08	0.33
C161	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C162	CONDUIT	0.00	0	00:00	0.00	0.00	0.28
C163	CONDUIT	13.87	0	03:08	3.93	0.17	0.34
C164	CONDUIT	37.02	0	03:09	3.57	2.67	0.51
C165	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C166	CONDUIT	11.97	0	03:22	4.45	0.01	0.15
C167	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C168	CONDUIT	41.40	0	03:09	2.68	0.36	0.38
C169	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C169_2	CONDUIT	133.83	0	03:06	11.58	0.02	0.10
C169_3	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C169_4	CONDUIT	0.00	0	00:00	0.00	0.00	0.05
C17	CHANNEL	284.99	0	03:16	9.55	0.30	0.55
C170	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C170_4	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C170_6	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C171	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C172	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C173	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C174	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C175	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C176	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C177	CONDUIT	0.04	0	03:32	0.00	0.00	0.00
C178	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C179	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C18	CONDUIT	279.21	0	03:16	9.33	1.06	0.87
C180	CONDUIT	0.00	0	00:00	0.00	0.00	0.27
C181	CONDUIT	37.30	0	03:09	7.84	0.74	0.64
C182	CONDUIT	0.56	0	03:00	1.89	0.39	1.00
C183	CONDUIT	0.57	0	03:00	0.50	0.04	1.00
C184	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C185	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C186	CONDUIT	0.07	0	03:06	0.07	0.01	0.53
C187	CONDUIT	0.04	0	02:58	0.10	0.01	1.00
C188	CONDUIT	6.07	0	03:08	4.94	0.59	1.00
C19	CHANNEL	285.13	0	03:16	3.83	0.14	0.68
C2	CHANNEL	348.70	0	03:16	13.31	0.18	0.40

C20	CHANNEL	285.18	0	03:15	6.64	0.07	0.48
C21	CHANNEL	285.78	0	03:15	6.89	0.15	0.55
C22	CHANNEL	286.26	0	03:15	7.72	0.25	0.62
C23	CHANNEL	286.09	0	03:15	12.01	0.18	0.49
C24	CONDUIT	68.96	0	02:58	24.82	0.71	1.00
C25	CONDUIT	79.99	0	03:15	16.29	1.00	1.00
C26	CHANNEL	105.46	0	03:09	2.18	0.23	1.00
C27	CONDUIT	76.01	0	03:02	15.48	1.41	1.00
C28	CONDUIT	76.14	0	03:07	15.81	0.99	1.00
C29	CONDUIT	172.33	0	03:15	21.00	0.87	0.80
C29_1	CONDUIT	90.67	0	03:26	19.86	1.08	1.00
C29_2	CONDUIT	167.64	0	03:14	17.42	0.81	1.00
C3	CHANNEL	388.39	0	03:16	6.40	0.16	0.69
C3_1	CONDUIT	351.24	0	03:16	9.13	0.32	0.70
C3_2	CONDUIT	352.38	0	03:16	15.54	0.25	0.34
C30	CHANNEL	182.57	0	03:15	9.63	0.27	0.40
C31	CHANNEL	175.04	0	03:15	5.47	0.05	0.37
C32	CONDUIT	177.05	0	03:16	6.58	0.36	0.67
C33	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C33_1	CONDUIT	37.32	0	03:09	12.95	0.62	0.57
C33_2	CONDUIT	37.32	0	03:09	9.49	0.27	0.54
C34	CONDUIT	37.31	0	03:09	7.10	1.43	0.70
C35	CONDUIT	37.30	0	03:09	10.03	0.39	0.52
C36	CONDUIT	55.44	0	03:06	15.65	0.41	0.50
C37	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C37_1	CONDUIT	55.41	0	03:06	11.01	0.37	0.67
C37_2	CONDUIT	55.41	0	03:06	10.09	0.68	0.73
C38	CONDUIT	56.15	0	03:09	7.94	1.01	1.00
C39	CONDUIT	56.15	0	03:09	11.44	0.78	1.00
C4	CONDUIT	552.68	0	03:15	7.91	0.46	0.71
C4_1	CHANNEL	491.52	0	03:15	29.04	0.64	0.52
C4_2	CHANNEL	422.35	0	03:12	15.94	0.14	0.34
C40	CONDUIT	56.16	0	03:09	14.31	0.84	0.75
C41	CONDUIT	73.53	0	03:09	18.24	0.50	0.56
C42	CONDUIT	73.58	0	03:09	16.08	0.51	0.62
C43	CONDUIT	19.58	0	03:07	11.08	0.96	1.00
C44	CONDUIT	24.54	0	03:20	14.14	0.42	1.00
C45	CONDUIT	39.16	0	03:06	12.47	0.93	1.00
C46	CONDUIT	98.91	0	03:09	18.21	0.43	0.57
C46_1	CONDUIT	13.19	0	03:09	3.65	0.32	0.76
C46_2	CHANNEL	1.57	0	03:09	3.46	0.03	0.42
C47	CONDUIT	37.74	0	03:09	14.93	1.65	0.67
C48	CONDUIT	34.35	0	03:12	15.68	0.96	1.00
C49	CONDUIT	18.74	0	02:47	10.61	1.07	1.00
C5	CHANNEL	497.63	0	03:15	7.12	0.10	0.70
C50	CONDUIT	24.63	0	03:08	14.67	1.03	0.97
C51	CHANNEL	74.97	0	03:08	5.61	0.36	0.82
C52	CONDUIT	67.35	0	03:08	10.50	1.14	0.85
C53	CONDUIT	42.56	0	02:56	8.67	0.33	1.00
C53_1	CHANNEL	87.79	0	03:08	7.74	0.24	0.59
C53_2	CHANNEL	87.77	0	03:08	6.17	0.55	0.95
C54	CONDUIT	42.56	0	02:56	6.75	0.90	1.00
C55	CONDUIT	42.56	0	02:56	8.67	0.63	1.00
C56	CONDUIT	34.27	0	03:09	17.49	1.43	0.63
C57	CONDUIT	4.64	0	03:10	1.43	0.06	0.73
C58	CONDUIT	6.45	0	03:08	5.25	0.46	1.00
C59	CONDUIT	2.00	0	03:08	1.63	0.12	1.00

C6	CHANNEL	199.24	0	03:21	13.23	0.20	0.62
C60	CONDUIT	2.80	0	03:08	2.30	0.17	1.00
C61	CONDUIT	37.50	0	02:53	7.64	1.05	1.00
C62	CONDUIT	48.33	0	02:53	12.18	0.69	1.00
C63	CONDUIT	47.92	0	03:08	9.76	1.03	1.00
C64	CONDUIT	7.45	0	02:56	4.71	0.31	1.00
C65	CONDUIT	16.28	0	03:09	12.03	0.47	0.79
C66	CONDUIT	16.28	0	03:09	12.62	0.40	1.00
C67	CHANNEL	141.65	0	03:09	9.83	0.57	0.57
C68	CHANNEL	141.65	0	03:09	12.85	0.26	0.41
C69	CHANNEL	183.01	0	03:09	14.85	0.20	0.41
C7	CHANNEL	188.94	0	03:09	8.98	0.09	0.58
C70	CHANNEL	183.00	0	03:09	7.54	0.17	0.69
C71	CHANNEL	202.87	0	03:22	8.08	0.28	1.00
C72	CONDUIT	9.32	0	03:05	7.59	0.60	1.00
C72_1	CONDUIT	146.21	0	03:06	15.20	0.74	1.00
C72_2	CONDUIT	145.97	0	03:06	15.17	0.79	1.00
C73	CONDUIT	5.12	0	03:22	5.68	0.54	1.00
C73_2	CONDUIT	149.02	0	03:06	15.86	0.97	1.00
C74	CHANNEL	219.72	0	03:06	14.73	0.62	0.88
C75	CHANNEL	225.57	0	03:06	11.82	0.55	0.93
C76	CHANNEL	227.78	0	03:06	11.06	0.69	0.98
C77	CONDUIT	117.06	0	03:02	11.71	2.19	1.00
C78	CHANNEL	234.02	0	03:06	11.97	0.58	0.94
C79	CONDUIT	158.76	0	03:06	22.82	0.84	0.68
C8	CONDUIT	284.51	0	03:16	7.55	1.21	0.84
C80	CHANNEL	189.03	0	03:21	13.40	0.25	0.46
C80_2	CHANNEL	125.62	0	03:10	7.82	0.08	0.36
C80_3	CONDUIT	87.73	0	03:09	13.40	0.04	0.19
C80_4	CONDUIT	126.32	0	03:10	10.14	0.05	0.32
C81	CONDUIT	246.46	0	03:07	14.04	0.19	0.49
C82	CONDUIT	3.22	0	03:06	7.78	0.74	0.56
C82_1	CONDUIT	99.90	0	03:31	10.38	0.55	1.00
C82_2	CONDUIT	106.81	0	03:33	11.10	0.79	1.00
C83	CONDUIT	6.33	0	03:22	4.83	0.43	1.00
C85	CONDUIT	43.82	0	03:07	10.84	0.21	0.39
C85_1	CONDUIT	63.91	0	03:05	5.37	0.02	0.10
C86	CONDUIT	41.93	0	03:06	10.56	0.15	0.41
C87	CONDUIT	1.84	0	02:53	1.50	0.30	1.00
C88	CONDUIT	134.78	0	03:14	9.76	0.51	0.67
C89	CONDUIT	1.06	0	03:24	1.69	3.40	1.00
C9	CHANNEL	302.52	0	03:16	12.43	0.16	0.56
C90	CONDUIT	2.70	0	03:00	2.20	0.19	1.00
C91	CONDUIT	99.50	0	03:11	7.52	0.43	0.79
C92	CHANNEL	4.02	0	03:08	3.14	0.09	0.60
C93	CONDUIT	7.22	0	03:07	3.30	0.17	1.00
C94	CONDUIT	173.52	0	03:06	9.82	0.04	0.15
C95	CONDUIT	31.12	0	03:07	17.61	1.03	1.00
C96	CONDUIT	30.11	0	02:54	17.33	0.80	1.00
C97	CHANNEL	0.00	0	00:00	0.00	0.00	0.24
C97_1	CHANNEL	55.30	0	03:07	1.89	0.07	0.37
C97_2	CHANNEL	123.88	0	03:10	4.17	0.15	0.36
C98	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C99	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C11	WEIR	451.66	0	03:32			0.78
C84	WEIR	3.22	0	03:06			0.08

****
Flow Classification Summary
****

Conduit	Adjusted /Actual Length	Fraction of Time in Flow Class: Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
5	1.00	0.94	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00
C1	1.00	0.05	0.00	0.00	0.02	0.93	0.00	0.00	0.44	0.00
C10	1.00	0.02	0.00	0.00	0.16	0.82	0.00	0.00	0.11	0.00
C100	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
C101	1.00	0.01	0.00	0.00	0.98	0.01	0.00	0.00	0.93	0.00
C102	1.00	0.01	0.00	0.00	0.00	0.74	0.00	0.25	0.33	0.00
C103	1.00	0.01	0.00	0.00	0.00	0.20	0.00	0.79	0.10	0.00
C104	1.00	0.86	0.05	0.00	0.09	0.00	0.00	0.00	0.73	0.00
C105	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C106	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C107	1.00	0.01	0.00	0.00	0.74	0.26	0.00	0.00	0.94	0.00
C108	1.00	0.01	0.00	0.00	0.00	0.68	0.00	0.30	0.37	0.00
C109	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C110	1.00	0.34	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C111	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
C112	1.00	0.01	0.00	0.00	0.00	0.68	0.00	0.31	0.36	0.00
C113	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
C114	1.00	0.01	0.18	0.00	0.22	0.58	0.00	0.00	0.88	0.00
C115	1.00	0.04	0.00	0.00	0.19	0.77	0.00	0.00	0.88	0.00
C116	1.00	0.90	0.02	0.00	0.01	0.05	0.00	0.02	0.73	0.00
C116_2	1.00	0.89	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00
C117	1.00	0.87	0.01	0.00	0.00	0.00	0.13	0.00	0.00	0.00
C118	1.00	0.04	0.00	0.00	0.18	0.78	0.00	0.00	0.52	0.

C119	1.00	0.04	0.18	0.00	0.01	0.78	0.00	0.00	0.76
0.00									
C12	1.00	0.02	0.03	0.00	0.95	0.00	0.00	0.00	0.00
0.00									
C120	1.00	0.04	0.00	0.00	0.00	0.00	0.00	0.96	0.00
0.00									
C121	1.00	0.24	0.68	0.00	0.01	0.07	0.00	0.00	0.74
0.00									
C122	1.00	0.04	0.12	0.00	0.11	0.72	0.00	0.00	0.69
0.00									
C122_1	1.00	0.22	0.00	0.00	0.03	0.75	0.00	0.00	0.52
0.00									
C122_2	1.00	0.16	0.05	0.00	0.03	0.76	0.00	0.00	0.45
0.00									
C123	1.00	0.04	0.00	0.00	0.00	0.09	0.00	0.87	0.03
0.00									
C124	1.00	0.05	0.00	0.00	0.08	0.00	0.00	0.87	0.00
0.00									
C125	1.00	0.05	0.00	0.00	0.09	0.01	0.00	0.86	0.00
0.00									
C126	1.00	0.05	0.25	0.00	0.69	0.00	0.00	0.00	0.49
0.00									
C127	1.00	0.05	0.79	0.00	0.16	0.00	0.00	0.00	0.70
0.00									
C127_1	1.00	0.05	0.00	0.00	0.10	0.84	0.00	0.00	0.02
0.00									
C127_2	1.00	0.05	0.00	0.00	0.00	0.95	0.00	0.00	0.00
0.00									
C128	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.04
0.00									
C128_1	1.00	0.34	0.60	0.00	0.02	0.03	0.00	0.00	0.74
0.00									
C128_2	1.00	0.34	0.00	0.00	0.12	0.00	0.00	0.54	0.06
0.00									
C128_3	1.00	0.05	0.00	0.00	0.35	0.60	0.00	0.00	0.00
0.00									
C128_4	1.00	0.05	0.00	0.00	0.01	0.94	0.00	0.00	0.00
0.00									
C128_5	1.00	0.05	0.00	0.00	0.26	0.69	0.00	0.00	0.78
0.00									
C128_7	1.00	0.04	0.01	0.00	0.01	0.94	0.00	0.00	0.05
0.00									
C129	1.00	0.01	0.03	0.00	0.82	0.14	0.00	0.00	0.84
0.00									
C13	1.00	0.02	0.00	0.00	0.21	0.77	0.00	0.00	0.60
0.00									
C130	1.00	0.81	0.19	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C130_1	1.00	0.84	0.03	0.00	0.13	0.00	0.00	0.00	0.69
0.00									
C131	1.00	0.25	0.00	0.00	0.74	0.00	0.00	0.00	0.72
0.00									
C132	1.00	0.91	0.04	0.00	0.01	0.04	0.00	0.00	0.75
0.00									
C132_1	1.00	0.95	0.00	0.00	0.00	0.00	0.00	0.05	0.00
0.00									
C133	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C134	1.00	0.85	0.05	0.00	0.05	0.05	0.00	0.00	0.76
0.00									

C135	1.00	0.16	0.00	0.00	0.01	0.00	0.00	0.83	0.00
0.00									
C136	1.00	0.17	0.00	0.00	0.00	0.03	0.00	0.81	0.01
0.00									
C137	1.00	0.23	0.01	0.00	0.12	0.00	0.00	0.63	0.70
0.00									
C138	1.00	0.87	0.04	0.00	0.06	0.04	0.00	0.00	0.76
0.00									
C139	1.00	0.07	0.00	0.00	0.20	0.73	0.00	0.00	0.46
0.00									
C14	1.00	0.02	0.00	0.00	0.23	0.75	0.00	0.00	0.71
0.00									
C140	1.00	0.88	0.00	0.00	0.00	0.00	0.00	0.12	0.00
0.00									
C141	1.00	0.96	0.00	0.00	0.00	0.00	0.00	0.04	0.00
0.00									
C142	1.00	0.91	0.00	0.00	0.00	0.00	0.00	0.09	0.00
0.00									
C143	1.00	0.88	0.00	0.00	0.00	0.00	0.00	0.12	0.00
0.00									
C144	1.00	0.06	0.00	0.00	0.07	0.86	0.00	0.00	0.54
0.00									
C145	1.00	0.06	0.00	0.00	0.20	0.74	0.00	0.00	0.00
0.00									
C147	1.00	0.06	0.00	0.00	0.45	0.49	0.00	0.00	0.37
0.00									
C148	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00									
C149	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C15	1.00	0.02	0.00	0.00	0.15	0.83	0.00	0.00	0.22
0.00									
C150	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00									
C151	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C152	1.00	0.05	0.00	0.00	0.21	0.74	0.00	0.00	0.00
0.00									
C153	1.00	0.05	0.00	0.00	0.94	0.00	0.00	0.00	0.86
0.00									
C154	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C155	1.00	0.05	0.95	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C156	1.00	0.93	0.00	0.00	0.00	0.00	0.00	0.07	0.00
0.00									
C157	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C158	1.00	0.07	0.00	0.00	0.05	0.88	0.00	0.00	0.00
0.00									
C159	1.00	0.05	0.84	0.00	0.11	0.00	0.00	0.00	0.75
0.00									
C16	1.00	0.02	0.00	0.00	0.05	0.93	0.00	0.00	0.00
0.00									
C160	1.00	0.03	0.04	0.00	0.05	0.88	0.00	0.00	0.02
0.00									
C160_3	1.00	0.88	0.00	0.00	0.00	0.06	0.00	0.07	0.03
0.00									
C161	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

C162	1.00	0.23	0.77	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C163	1.00	0.95	0.01	0.00	0.01	0.00	0.00	0.03	0.73
0.00									
C164	1.00	0.47	0.00	0.00	0.00	0.00	0.00	0.53	0.00
0.00									
C165	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C166	1.00	0.92	0.08	0.00	0.00	0.00	0.00	0.00	0.04
0.00									
C167	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C168	1.00	0.93	0.00	0.00	0.00	0.00	0.00	0.07	0.00
0.00									
C169	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C169_2	1.00	0.90	0.00	0.00	0.00	0.00	0.00	0.10	0.00
0.00									
C169_3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C169_4	1.00	0.90	0.10	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C17	1.00	0.02	0.00	0.00	0.19	0.79	0.00	0.00	0.81
0.00									
C170	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C170_4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C170_6	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C171	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C172	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C173	1.00	0.03	0.97	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C174	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C175	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C176	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C177	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00									
C178	1.00	0.04	0.96	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C179	1.00	0.04	0.96	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C18	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00
0.88									
C180	1.00	0.91	0.09	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C181	1.00	0.03	0.01	0.00	0.00	0.00	0.00	0.96	0.00
0.00									
C182	1.00	0.22	0.02	0.00	0.10	0.00	0.00	0.66	0.01
0.00									
C183	1.00	0.09	0.12	0.00	0.54	0.00	0.00	0.25	0.20
0.00									
C184	1.00	0.02	0.98	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

C185	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C186	1.00	0.01	0.79	0.00	0.20	0.00	0.00	0.00	0.73
0.00									
C187	1.00	0.04	0.01	0.00	0.95	0.00	0.00	0.00	0.48
0.00									
C188	1.00	0.27	0.59	0.00	0.14	0.00	0.01	0.00	0.71
0.00									
C19	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00
0.00									
C2	1.00	0.02	0.06	0.00	0.38	0.54	0.00	0.00	0.39
0.00									
C20	1.00	0.01	0.00	0.00	0.97	0.01	0.00	0.00	0.67
0.00									
C21	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.79
0.00									
C22	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.90
0.00									
C23	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.01
0.00									
C24	1.00	0.01	0.00	0.00	0.05	0.05	0.00	0.89	0.00
0.00									
C25	1.00	0.01	0.08	0.00	0.22	0.69	0.00	0.00	0.53
0.00									
C26	1.00	0.01	0.00	0.00	0.83	0.01	0.00	0.15	0.41
0.00									
C27	1.00	0.01	0.00	0.00	0.55	0.01	0.00	0.42	0.00
0.43									
C28	1.00	0.01	0.00	0.00	0.12	0.02	0.00	0.84	0.00
0.00									
C29	1.00	0.00	0.00	0.00	0.16	0.83	0.00	0.00	0.50
0.00									
C29_1	1.00	0.02	0.00	0.00	0.05	0.93	0.00	0.00	0.11
0.00									
C29_2	1.00	0.02	0.00	0.00	0.03	0.69	0.00	0.27	0.26
0.00									
C3	1.00	0.07	0.00	0.00	0.59	0.33	0.00	0.00	0.43
0.00									
C3_1	1.00	0.08	0.00	0.00	0.92	0.00	0.00	0.00	0.00
0.85									
C3_2	1.00	0.08	0.00	0.00	0.25	0.67	0.00	0.00	0.52
0.00									
C30	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.00
0.00									
C31	1.00	0.00	0.00	0.00	0.88	0.11	0.00	0.00	0.54
0.00									
C32	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.97									
C33	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C33_1	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	0.00
0.00									
C33_2	1.00	0.03	0.19	0.00	0.05	0.72	0.00	0.01	0.89
0.00									
C34	1.00	0.04	0.00	0.00	0.22	0.00	0.00	0.74	0.45
0.00									
C35	1.00	0.04	0.00	0.00	0.00	0.63	0.00	0.33	0.32
0.00									
C36	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									

C37	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C37_1	1.00	0.01	0.00	0.00	0.17	0.82	0.00	0.00	0.16
0.00									
C37_2	1.00	0.01	0.13	0.00	0.69	0.18	0.00	0.00	0.83
0.00									
C38	1.00	0.03	0.00	0.00	0.28	0.69	0.00	0.00	0.45
0.00									
C39	1.00	0.04	0.00	0.00	0.23	0.73	0.00	0.00	0.48
0.00									
C4	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00	0.01
0.00									
C4_1	1.00	0.07	0.00	0.00	0.00	0.93	0.00	0.00	0.13
0.00									
C4_2	1.00	0.07	0.00	0.00	0.00	0.93	0.00	0.00	0.55
0.00									
C40	1.00	0.04	0.00	0.00	0.18	0.78	0.00	0.00	0.00
0.00									
C41	1.00	0.04	0.00	0.00	0.00	0.09	0.00	0.87	0.00
0.00									
C42	1.00	0.04	0.00	0.00	0.00	0.14	0.00	0.82	0.00
0.00									
C43	1.00	0.31	0.59	0.00	0.10	0.00	0.00	0.00	0.72
0.00									
C44	1.00	0.05	0.00	0.00	0.07	0.05	0.00	0.83	0.00
0.00									
C45	1.00	0.02	0.00	0.00	0.08	0.05	0.00	0.86	0.01
0.00									
C46	1.00	0.04	0.00	0.00	0.18	0.78	0.00	0.00	0.44
0.00									
C46_1	1.00	0.02	0.14	0.00	0.84	0.00	0.00	0.00	0.91
0.00									
C46_2	1.00	0.24	0.00	0.00	0.00	0.03	0.00	0.73	0.01
0.00									
C47	1.00	0.16	0.05	0.00	0.01	0.78	0.00	0.00	0.46
0.00									
C48	1.00	0.05	0.00	0.00	0.08	0.08	0.00	0.79	0.01
0.00									
C49	1.00	0.02	0.00	0.00	0.15	0.25	0.00	0.58	0.00
0.00									
C5	1.00	0.06	0.00	0.00	0.93	0.01	0.00	0.00	0.81
0.00									
C50	1.00	0.02	0.12	0.00	0.07	0.80	0.00	0.00	0.52
0.00									
C51	1.00	0.02	0.00	0.00	0.86	0.12	0.00	0.00	0.44
0.00									
C52	1.00	0.02	0.09	0.00	0.83	0.06	0.00	0.00	0.00
0.88									
C53	1.00	0.03	0.00	0.00	0.12	0.03	0.00	0.82	0.00
0.86									
C53_1	1.00	0.02	0.00	0.00	0.09	0.89	0.00	0.00	0.43
0.00									
C53_2	1.00	0.03	0.00	0.00	0.81	0.16	0.00	0.00	0.38
0.00									
C54	1.00	0.03	0.03	0.00	0.35	0.59	0.00	0.00	0.52
0.00									
C55	1.00	0.03	0.00	0.00	0.13	0.56	0.00	0.28	0.30
0.00									
C56	1.00	0.03	0.00	0.00	0.12	0.85	0.00	0.00	0.10
0.00									

C57	1.00	0.31	0.55	0.00	0.14	0.00	0.00	0.00	0.73
0.00									
C58	1.00	0.25	0.02	0.00	0.06	0.00	0.00	0.67	0.72
0.00									
C59	1.00	0.25	0.02	0.00	0.05	0.00	0.00	0.68	0.73
0.00									
C6	1.00	0.06	0.02	0.00	0.15	0.77	0.00	0.00	0.24
0.00									
C60	1.00	0.26	0.02	0.00	0.04	0.00	0.00	0.68	0.73
0.00									
C61	1.00	0.05	0.00	0.00	0.13	0.00	0.00	0.82	0.00
0.34									
C62	1.00	0.05	0.00	0.00	0.13	0.35	0.00	0.48	0.00
0.00									
C63	1.00	0.05	0.00	0.00	0.17	0.52	0.00	0.27	0.26
0.00									
C64	1.00	0.05	0.19	0.00	0.26	0.48	0.00	0.02	0.76
0.00									
C65	1.00	0.05	0.00	0.00	0.07	0.06	0.00	0.82	0.04
0.00									
C66	1.00	0.05	0.00	0.00	0.16	0.01	0.00	0.79	0.01
0.00									
C67	1.00	0.04	0.00	0.00	0.30	0.65	0.00	0.00	0.54
0.00									
C68	1.00	0.05	0.00	0.00	0.31	0.64	0.00	0.00	0.64
0.00									
C69	1.00	0.05	0.00	0.00	0.00	0.94	0.00	0.00	0.61
0.00									
C7	1.00	0.05	0.00	0.00	0.42	0.53	0.00	0.00	0.83
0.00									
C70	1.00	0.06	0.00	0.00	0.14	0.81	0.00	0.00	0.28
0.00									
C71	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.77
0.00									
C72	1.00	0.80	0.05	0.00	0.16	0.00	0.00	0.00	0.70
0.00									
C72_1	1.00	0.06	0.00	0.00	0.93	0.01	0.00	0.00	0.00
0.80									
C72_2	1.00	0.04	0.02	0.00	0.74	0.20	0.00	0.00	0.00
0.83									
C73	1.00	0.04	0.00	0.00	0.08	0.01	0.00	0.87	0.01
0.00									
C73_2	1.00	0.02	0.02	0.00	0.06	0.89	0.00	0.00	0.02
0.00									
C74	1.00	0.02	0.00	0.00	0.21	0.77	0.00	0.00	0.57
0.00									
C75	1.00	0.02	0.00	0.00	0.40	0.58	0.00	0.00	0.71
0.00									
C76	1.00	0.02	0.00	0.00	0.69	0.28	0.00	0.00	0.03
0.00									
C77	1.00	0.02	0.00	0.00	0.92	0.05	0.00	0.00	0.00
0.46									
C78	1.00	0.02	0.00	0.00	0.88	0.10	0.00	0.00	0.86
0.00									
C79	1.00	0.03	0.00	0.00	0.00	0.97	0.00	0.00	0.00
0.00									
C8	1.00	0.02	0.01	0.00	0.98	0.00	0.00	0.00	0.00
0.37									
C80	1.00	0.04	0.00	0.00	0.08	0.88	0.00	0.00	0.07
0.00									

C80_2	1.00	0.04	0.00	0.00	0.01	0.95	0.00	0.00	0.29
0.00									
C80_3	1.00	0.03	0.04	0.00	0.18	0.75	0.00	0.00	0.85
0.00									
C80_4	1.00	0.03	0.00	0.00	0.68	0.29	0.00	0.00	0.88
0.00									
C81	1.00	0.03	0.00	0.00	0.65	0.32	0.00	0.00	0.74
0.00									
C82	1.00	0.04	0.00	0.00	0.20	0.76	0.00	0.00	0.00
0.00									
C82_1	1.00	0.03	0.00	0.00	0.80	0.17	0.00	0.00	0.00
0.84									
C82_2	1.00	0.03	0.00	0.00	0.64	0.33	0.00	0.00	0.05
0.00									
C83	1.00	0.04	0.19	0.00	0.75	0.02	0.00	0.00	0.84
0.00									
C85	1.00	0.90	0.00	0.00	0.00	0.00	0.00	0.09	0.71
0.00									
C85_1	1.00	0.92	0.00	0.00	0.00	0.00	0.00	0.08	0.00
0.00									
C86	1.00	0.34	0.62	0.00	0.01	0.04	0.00	0.00	0.75
0.00									
C87	1.00	0.05	0.20	0.00	0.75	0.00	0.00	0.00	0.47
0.00									
C88	1.00	0.92	0.00	0.00	0.00	0.00	0.00	0.08	0.00
0.00									
C89	1.00	0.25	0.00	0.00	0.75	0.00	0.00	0.00	0.00
0.00									
C9	1.00	0.02	0.00	0.00	0.18	0.81	0.00	0.00	0.69
0.00									
C90	1.00	0.22	0.02	0.00	0.14	0.00	0.00	0.61	0.02
0.00									
C91	1.00	0.05	0.00	0.00	0.94	0.00	0.00	0.00	0.86
0.00									
C92	1.00	0.24	0.00	0.00	0.00	0.04	0.00	0.72	0.02
0.00									
C93	1.00	0.05	0.21	0.00	0.74	0.00	0.00	0.00	0.85
0.00									
C94	1.00	0.91	0.00	0.00	0.00	0.04	0.00	0.05	0.02
0.00									
C95	1.00	0.02	0.00	0.00	0.22	0.76	0.00	0.00	0.43
0.00									
C96	1.00	0.02	0.00	0.00	0.10	0.53	0.00	0.36	0.20
0.00									
C97	1.00	0.01	0.99	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C97_1	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.92
0.00									
C97_2	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.16
0.00									
C98	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C99	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

****
Conduit Surcharge Summary
****

Conduit	Hours Full: Both Ends	Hours Full: Upstream	Hours Full: Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
C111	0.01	0.05	0.01	0.15	0.01
C114	0.01	0.01	0.50	0.01	0.01
C119	0.01	0.01	0.08	0.01	0.01
C120	0.01	0.08	0.01	0.01	0.01
C122_1	0.01	0.01	0.08	0.01	0.01
C122_2	0.01	0.08	0.01	0.01	0.01
C123	0.01	0.01	0.34	0.01	0.01
C124	0.39	0.41	0.45	0.35	0.34
C125	0.46	0.46	0.51	0.01	0.01
C126	0.31	0.31	0.39	0.01	0.01
C127	0.22	0.22	0.70	0.01	0.01
C127_1	0.13	0.32	0.13	0.35	0.13
C127_2	0.01	0.13	0.01	0.01	0.01
C128	1.03	1.03	1.04	0.63	0.01
C128_3	0.97	1.02	0.97	1.18	0.97
C128_4	0.01	1.19	0.01	1.17	0.01
C128_5	0.97	0.97	1.17	0.01	0.01
C129	0.53	0.53	4.04	0.01	0.01
C130_1	0.46	0.46	0.77	0.01	0.01
C131	0.32	0.32	0.36	0.01	0.01
C134	0.01	0.01	9.09	0.01	0.01
C137	0.61	0.61	0.67	0.01	0.01
C139	0.01	0.09	0.01	0.01	0.01
C141	0.01	0.01	0.01	0.08	0.01
C143	0.01	0.01	0.01	0.18	0.01
C144	0.01	0.01	0.09	0.01	0.01
C145	0.87	4.07	0.87	4.47	0.87
C15	0.01	0.01	0.09	0.01	0.01
C152	0.58	1.00	0.58	0.85	0.58
C153	0.01	0.01	0.57	0.01	0.01
C159	0.01	0.01	9.06	0.01	0.01
C164	0.01	0.01	0.01	0.52	0.01
C18	0.01	0.33	0.01	0.09	0.01
C182	0.17	0.17	0.28	0.01	0.01
C183	0.13	0.13	0.27	0.01	0.01
C186	0.01	0.01	8.90	0.01	0.01
C187	0.46	0.46	0.54	0.01	0.01
C188	0.30	0.30	0.59	0.01	0.01
C24	0.31	0.31	0.54	0.01	0.01
C25	0.55	0.55	0.87	0.07	0.51
C26	0.64	0.64	1.17	0.01	0.01
C27	1.12	1.43	1.12	0.20	1.04
C28	0.73	1.16	0.73	0.01	0.33
C29	0.01	0.35	0.01	0.01	0.01
C29_1	0.24	0.77	0.24	0.24	0.16
C29_2	0.18	0.18	0.34	0.01	0.01
C3	0.01	0.01	0.29	0.01	0.01
C3_1	0.01	0.14	0.01	0.01	0.01
C34	0.01	0.01	0.01	0.25	0.01
C38	0.16	0.20	0.16	0.02	0.16
C39	0.19	0.21	0.19	0.01	0.19
C40	0.01	0.19	0.01	0.01	0.01

C43	0.36	0.36	0.40	0.01	0.01
C44	0.39	0.39	0.46	0.01	0.01
C45	0.46	0.46	0.63	0.01	0.01
C46_1	0.01	0.01	10.77	0.01	0.01
C47	0.01	0.67	0.01	0.58	0.01
C48	0.48	0.48	0.68	0.01	0.40
C49	0.93	0.97	0.93	0.07	0.17
C5	0.01	0.01	0.05	0.01	0.01
C50	0.01	0.93	0.01	0.19	0.01
C51	0.01	0.01	0.81	0.01	0.01
C52	0.01	0.58	0.01	0.26	0.01
C53	0.67	0.74	0.68	0.01	0.01
C53_2	0.01	0.01	0.71	0.01	0.01
C54	0.70	0.70	0.71	0.01	0.39
C55	0.69	0.69	0.79	0.01	0.01
C56	0.01	0.82	0.01	0.79	0.01
C57	0.01	0.01	0.20	0.01	0.01
C58	0.16	0.16	0.27	0.01	0.01
C59	0.11	0.11	0.24	0.01	0.01
C60	0.08	0.08	0.21	0.01	0.01
C61	0.76	0.89	0.76	0.14	0.27
C62	0.76	0.76	0.79	0.01	0.01
C63	0.80	0.80	1.00	0.22	0.62
C64	0.96	0.96	1.03	0.01	0.01
C65	0.01	0.01	0.36	0.01	0.01
C66	0.43	0.43	0.93	0.01	0.01
C70	0.01	0.01	0.52	0.01	0.01
C71	0.01	0.01	0.54	0.01	0.01
C72	0.55	0.55	0.67	0.01	0.01
C72_1	0.65	0.70	0.67	0.01	0.29
C72_2	0.28	0.67	0.28	0.01	0.24
C73	0.27	0.27	0.32	0.01	0.01
C73_2	0.01	0.28	0.01	0.01	0.01
C76	0.01	0.01	0.01	0.01	0.01
C77	0.33	1.23	0.33	0.84	0.33
C78	0.01	0.01	0.73	0.01	0.01
C79	0.01	0.67	0.01	0.01	0.01
C8	0.01	0.12	0.01	0.17	0.01
C82	0.01	0.43	0.01	0.01	0.01
C82_1	0.67	0.84	0.67	0.01	0.01
C82_2	0.67	0.67	0.67	0.01	0.67
C83	0.39	0.39	2.14	0.01	0.01
C87	1.26	1.26	1.52	0.01	0.01
C89	0.58	0.58	0.58	0.06	0.24
C90	0.58	0.58	0.67	0.01	0.01
C91	0.01	0.01	0.75	0.01	0.01
C93	0.41	0.41	0.48	0.01	0.01
C95	0.61	0.69	0.61	0.59	0.61
C96	0.61	0.61	0.95	0.01	0.01

Analysis begun on: Mon Jun 13 14:11:24 2022
Analysis ended on: Mon Jun 13 14:11:29 2022
Total elapsed time: 00:00:05

ALTERNATIVE RUNOFF METHOD (ARM) - PCSWMM VERSION 7.4.3240

This is a new version of ARM - your feedback and suggestions are solicited.
Create a ticket, post on the PCSWMM feature request forum, or email us directly!

Simulation start time:	11/01/2021 00:00:00
Simulation end time:	11/01/2021 12:00:00
Runoff wet weather time steps:	60 seconds
Report time steps:	180 seconds
Number of data points:	241

****
Unit Hydrographs Runoff Method
****

Subcatchment	Runoff Method	Raingage	Area (ac)	Time of Concentration (min)	Time to Peak (min)	Time after Peak (CFS/in)	Peak UH Flow (in)	UH Depth (min)
Basin1West	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	8.529	10	6.5	26.66	59.46517	0.995
Basin2West	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	29.866	8	5.3	21.33	255.37543	0.991
Basin3West	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	12.396	12	7.7	31.99	72.9573	0.997
Basin4West	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	5.536	7	4.7	18.66	53.3797	0.991
Basin7East	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	23.737	9	5.9	23.99	182.32732	0.993
Basin10East	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	8.904	8	5.3	21.33	76.1355	0.991
Basin5Central	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	25.653	9	5.9	23.99	197.04439	0.993
Basin6East	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	14.882	9	5.9	23.99	114.31079	0.993
Basin6Central	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	4.448	8	5.3	21.33	38.03355	0.991
Basin3Central	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	5.594	5	3.5	13.33	72.43231	0.994
Basin2Central	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	6.172	3	2.3	8	121.61188	0.992
Basin1Central	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	14.215	8	5.3	21.33	121.54831	0.991
Basin4Central	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	14.271	12	7.7	31.99	83.99271	0.997
Basin4East	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	7.715	10	6.5	26.66	53.78987	0.995
Basin9East	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	4.254	7	4.7	18.66	41.01829	0.991
Basin5East	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	2.468	5	3.5	13.33	31.95619	0.994
Basin8East	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	13.368	7	4.7	18.66	128.8981	0.991

Basin3East		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	10.054	8		
5.3	21.33	85.96881	0.991				
Basin3.1East		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	5.642	9		
5.9	23.99	43.33701	0.993				
Basin2East		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	7.984	8		
5.3	21.33	68.26885	0.991				
Basin1East		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	32.052			
10		6.5	26.66	223.47024	0.995		
Basin1.1West		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	18.843			
11.5		7.4	30.66	115.39746	0.995		
Basin1.2West		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	5.956			
10		6.5	26.66	41.52592	0.995		
Basin2.1West		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	7.295			
10		6.5	26.66	50.86158	0.995		
Basin3.4West		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	11.605			
10		6.5	26.66	80.9114	0.995		
Basin3.3West		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	5.053	6		
4.1	16	55.8526	0.993				
Basin3.5West		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	12.351			
13		8.3	34.66	67.43758	0.999		
Basin3.2West		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	3.736	8		
5.3	21.33	31.94544	0.991				
Basin3.1West		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	1.463	3		
2.3	8	28.82667	0.992				
Basin5West		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	2.28	4		
2.9	10.66	35.62991	0.991				
Basin6West		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	8.24	9		
5.9	23.99	63.29263	0.993				
Basin3.2East		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	2.469	9		
5.9	23.99	18.96474	0.993				
Basin1.1Central		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	6.376	7		
4.7	18.66	61.47922	0.991				

****
ARM Runoff Summary
****

Subcatchment	Total Precip (in)	Total Losses (in)	Total Runoff (in)	Total Runoff 10^6 gal	Peak Runoff CFS	Runoff Coeff (fraction)
Basin1West	4	1.215	2.786	0.645	31.424	0.697
Basin2West	4	0.697	3.303	2.679	128.926	0.826
Basin3West	4	1.879	2.121	0.714	34.102	0.53
Basin4West	4	1.603	2.396	0.36	18.882	0.599
Basin7East	4	1.363	2.636	1.699	84.942	0.659
Basin10East	4	1.958	2.041	0.494	25.644	0.51

Basin5Central	4	1.62	2.379	1.657	83.775
0.595					
Basin6East	4	1.756	2.243	0.907	46.005
0.561					
Basin6Central	4	1.363	2.636	0.318	16.192
0.659					
Basin3Central	4	0.882	3.117	0.473	24.126
0.779					
Basin2Central	4	0.923	3.055	0.512	26.567
0.764					
Basin1Central	4	1.472	2.529	0.976	49.871
0.632					
Basin4Central	4	1.363	2.637	1.022	48.236
0.659					
Basin4East	4	1.363	2.638	0.553	27.113
0.659					
Basin9East	4	1.363	2.636	0.304	15.765
0.659					
Basin5East	4	1.262	2.738	0.183	9.686
0.684					
Basin8East	4	1.363	2.636	0.957	49.54
0.659					
Basin3East	4	1.363	2.636	0.72	36.599
0.659					
Basin3.1East	4	1.363	2.635	0.404	20.19
0.659					
Basin2East	4	1.472	2.528	0.548	28.011
0.632					
Basin1East	4	1.472	2.529	2.202	108.481
0.632					
Basin1.1West	4	1.186	2.814	1.44	68.114
0.704					
Basin1.2West	4	1.29	2.711	0.439	21.441
0.678					
Basin2.1West	4	1.308	2.693	0.533	26.106
0.673					
Basin3.4West	4	1.022	2.979	0.939	45.132
0.745					
Basin3.3West	4	0.547	3.447	0.473	22.864
0.862					
Basin3.5West	4	1.445	2.556	0.857	39.844
0.639					
Basin3.2West	4	0.536	3.463	0.351	16.562
0.866					
Basin3.1West	4	0.235	3.738	0.148	6.896
0.934					
Basin5West	4	0.569	3.431	0.212	10.455
0.858					
Basin6West	4	0.728	3.27	0.732	34.744
0.818					
Basin3.2East	4	1.454	2.545	0.171	8.571
0.636					
Basin1.1Central	4	0.882	3.116	0.54	26.86
0.779					

Post field day
Overland split on Southwood Rd. and Trousdale St.

WARNING 03: negative offset ignored for Link C122_2
WARNING 03: negative offset ignored for Link C124
WARNING 03: negative offset ignored for Link C125
WARNING 03: negative offset ignored for Link C127_1
WARNING 03: negative offset ignored for Link C127_2
WARNING 04: minimum elevation drop used for Conduit C141
WARNING 04: minimum elevation drop used for Conduit C143
WARNING 04: minimum elevation drop used for Conduit C150
WARNING 04: minimum elevation drop used for Conduit C164
WARNING 03: negative offset ignored for Link C8
WARNING 03: negative offset ignored for Link C89
WARNING 04: minimum elevation drop used for Conduit C89
WARNING 03: negative offset ignored for Link C90
WARNING 02: maximum depth increased for Node J1
WARNING 02: maximum depth increased for Node J100
WARNING 02: maximum depth increased for Node J102
WARNING 02: maximum depth increased for Node J103
WARNING 02: maximum depth increased for Node J11
WARNING 02: maximum depth increased for Node J113
WARNING 02: maximum depth increased for Node J114
WARNING 02: maximum depth increased for Node J117
WARNING 02: maximum depth increased for Node J118
WARNING 02: maximum depth increased for Node J12
WARNING 02: maximum depth increased for Node J13
WARNING 02: maximum depth increased for Node J133
WARNING 02: maximum depth increased for Node J134
WARNING 02: maximum depth increased for Node J137
WARNING 02: maximum depth increased for Node J14
WARNING 02: maximum depth increased for Node J141
WARNING 02: maximum depth increased for Node J148
WARNING 02: maximum depth increased for Node J149
WARNING 02: maximum depth increased for Node J15
WARNING 02: maximum depth increased for Node J155
WARNING 02: maximum depth increased for Node J156
WARNING 02: maximum depth increased for Node J157
WARNING 02: maximum depth increased for Node J158
WARNING 02: maximum depth increased for Node J159
WARNING 02: maximum depth increased for Node J162
WARNING 02: maximum depth increased for Node J167
WARNING 02: maximum depth increased for Node J17
WARNING 02: maximum depth increased for Node J19
WARNING 02: maximum depth increased for Node J2
WARNING 02: maximum depth increased for Node J20
WARNING 02: maximum depth increased for Node J21
WARNING 02: maximum depth increased for Node J22
WARNING 02: maximum depth increased for Node J23
WARNING 02: maximum depth increased for Node J24
WARNING 02: maximum depth increased for Node J25
WARNING 02: maximum depth increased for Node J26
WARNING 02: maximum depth increased for Node J27
WARNING 02: maximum depth increased for Node J28
WARNING 02: maximum depth increased for Node J3
WARNING 02: maximum depth increased for Node J30

```
WARNING 02: maximum depth increased for Node J31
WARNING 02: maximum depth increased for Node J32
WARNING 02: maximum depth increased for Node J33
WARNING 02: maximum depth increased for Node J34
WARNING 02: maximum depth increased for Node J35
WARNING 02: maximum depth increased for Node J36
WARNING 02: maximum depth increased for Node J37
WARNING 02: maximum depth increased for Node J38
WARNING 02: maximum depth increased for Node J4
WARNING 02: maximum depth increased for Node J45
WARNING 02: maximum depth increased for Node J49
WARNING 02: maximum depth increased for Node J50
WARNING 02: maximum depth increased for Node J52
WARNING 02: maximum depth increased for Node J57
WARNING 02: maximum depth increased for Node J58
WARNING 02: maximum depth increased for Node J59
WARNING 02: maximum depth increased for Node J6
WARNING 02: maximum depth increased for Node J60
WARNING 02: maximum depth increased for Node J61
WARNING 02: maximum depth increased for Node J62
WARNING 02: maximum depth increased for Node J63
WARNING 02: maximum depth increased for Node J64
WARNING 02: maximum depth increased for Node J65
WARNING 02: maximum depth increased for Node J66
WARNING 02: maximum depth increased for Node J7
WARNING 02: maximum depth increased for Node J71
WARNING 02: maximum depth increased for Node J77
WARNING 02: maximum depth increased for Node J8
WARNING 02: maximum depth increased for Node J81
WARNING 02: maximum depth increased for Node J82
WARNING 02: maximum depth increased for Node J85
WARNING 02: maximum depth increased for Node J86
WARNING 02: maximum depth increased for Node J87
WARNING 02: maximum depth increased for Node J89
WARNING 02: maximum depth increased for Node J9
WARNING 02: maximum depth increased for Node J90
WARNING 02: maximum depth increased for Node J92
WARNING 02: maximum depth increased for Node J94
WARNING 02: maximum depth increased for Node J95
WARNING 02: maximum depth increased for Node J96
WARNING 02: maximum depth increased for Node J97
WARNING 02: maximum depth increased for Node J98
WARNING 02: maximum depth increased for Node J99

*************
Element Count
*************
Number of rain gages ...... 6
Number of subcatchments ... 0
Number of nodes ........... 190
Number of links ........... 232
Number of pollutants ...... 0
Number of land uses ....... 0


****************
Raingage Summary
```

****

Name	Data Source	Data Type	Recording Interval
100YR_24HR_SCS_Type_III_9.58in	100YR_24HR_SCS_Type_III_9.58in	CUMULATIVE	6 min.
10YR_6HR_SCS_Type_III_4in	10YR_6HR_SCS_Type_III_4in	CUMULATIVE	6 min.
25YR_24HR_SCS_Type_III_7.19in	25YR_24HR_SCS_Type_III_7.19in	CUMULATIVE	6 min.
25YR_6HR_SCS_Type_III_4.82in	25YR_6HR_SCS_Type_III_4.82in	CUMULATIVE	6 min.
2YR_6HR_SCS_Type_III_2.86in	2YR_6HR_SCS_Type_III_2.86in	CUMULATIVE	6 min.
5YR_6HR_SCS_Type_III_3.45in	5YR_6HR_SCS_Type_III_3.45in	CUMULATIVE	6 min.

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J1	JUNCTION	848.39	5.60	0.0	
J10	JUNCTION	879.04	7.56	100.0	
J100	JUNCTION	905.61	3.75	0.0	
J101	JUNCTION	963.28	6.00	100.0	
J102	JUNCTION	998.19	1.57	0.0	
J103	JUNCTION	996.01	1.50	0.0	
J104	JUNCTION	980.09	3.20	100.0	
J105	JUNCTION	979.08	3.30	100.0	
J106	JUNCTION	976.93	4.51	100.0	
J107	JUNCTION	990.78	1.33	0.0	
J108	JUNCTION	1008.00	5.20	100.0	
J109	JUNCTION	978.18	3.00	100.0	
J11	JUNCTION	898.40	3.76	0.0	
J110	JUNCTION	1014.00	5.00	100.0	
J111	JUNCTION	1007.80	5.30	100.0	
J112	JUNCTION	998.36	2.90	0.0	
J113	JUNCTION	1037.24	4.90	100.0	
J114	JUNCTION	891.30	8.97	0.0	
J115	JUNCTION	892.11	5.20	0.0	
J116	JUNCTION	894.30	4.30	0.0	
J117	JUNCTION	882.08	8.97	0.0	
J118	JUNCTION	890.79	8.97	0.0	
J119	JUNCTION	890.63	5.20	0.0	
J12	JUNCTION	895.95	3.75	0.0	
J120	JUNCTION	891.47	4.40	0.0	
J121	JUNCTION	892.13	4.20	0.0	
J122	JUNCTION	893.91	3.70	0.0	
J123	JUNCTION	893.13	2.71	0.0	
J124	JUNCTION	893.48	3.61	0.0	
J125	JUNCTION	881.65	5.77	0.0	
J126	JUNCTION	877.62	6.77	0.0	
J127	JUNCTION	884.30	5.10	0.0	
J128	JUNCTION	882.80	3.98	0.0	
J129	JUNCTION	877.05	4.15	0.0	
J13	JUNCTION	860.36	7.64	100.0	
J130	JUNCTION	862.87	4.72	0.0	
J131	JUNCTION	861.66	3.52	0.0	
J132	JUNCTION	991.90	5.08	100.0	
J133	JUNCTION	983.79	8.56	0.0	

J134	JUNCTION	1042.79	3.17	100.0
J135	JUNCTION	977.09	12.01	0.0
J136	JUNCTION	973.46	13.81	0.0
J137	JUNCTION	970.71	5.29	0.0
J138	JUNCTION	971.38	13.62	0.0
J139	JUNCTION	959.50	5.50	0.0
J14	JUNCTION	858.82	9.76	0.0
J140	JUNCTION	931.15	5.34	100.0
J141	JUNCTION	929.49	4.45	0.0
J142	JUNCTION	1046.96	2.78	100.0
J143	JUNCTION	1033.97	4.65	0.0
J144	JUNCTION	966.77	2.73	100.0
J145	JUNCTION	967.65	3.00	100.0
J146	JUNCTION	967.65	2.43	100.0
J147	JUNCTION	1046.25	3.56	100.0
J148	JUNCTION	929.08	3.00	0.0
J149	JUNCTION	1073.88	2.63	100.0
J15	JUNCTION	858.44	8.64	0.0
J150	JUNCTION	1046.00	4.00	100.0
J151	JUNCTION	996.50	3.11	0.0
J152	JUNCTION	982.58	2.30	100.0
J153	JUNCTION	979.33	5.12	100.0
J154	JUNCTION	976.81	5.16	0.0
J155	JUNCTION	977.16	5.29	0.0
J156	JUNCTION	978.64	4.52	0.0
J157	JUNCTION	980.77	3.23	0.0
J158	JUNCTION	980.80	3.20	100.0
J159	JUNCTION	1002.16	6.84	0.0
J16	JUNCTION	856.93	6.36	0.0
J160	JUNCTION	1029.71	1.00	0.0
J161	JUNCTION	1014.00	1.00	0.0
J162	JUNCTION	1003.98	5.02	0.0
J163	JUNCTION	1008.97	5.54	0.0
J164	JUNCTION	1009.11	5.39	0.0
J165	JUNCTION	1011.41	2.98	0.0
J166	JUNCTION	976.00	5.00	0.0
J167	JUNCTION	965.91	3.00	0.0
J168	JUNCTION	912.61	5.18	0.0
J169	JUNCTION	912.00	5.00	0.0
J17	JUNCTION	854.58	6.36	0.0
J170	JUNCTION	908.86	4.80	0.0
J171	JUNCTION	905.27	6.32	0.0
J172	JUNCTION	901.90	8.74	0.0
J173	JUNCTION	910.94	3.85	0.0
J174	JUNCTION	909.90	4.00	0.0
J175	JUNCTION	908.08	4.70	0.0
J176	JUNCTION	901.94	7.47	0.0
J177	JUNCTION	900.54	7.20	0.0
J178	JUNCTION	903.72	3.19	0.0
J179	JUNCTION	898.29	4.45	0.0
J18	JUNCTION	853.55	6.32	0.0
J180	JUNCTION	895.32	4.80	0.0
J181	JUNCTION	890.00	4.59	0.0
J182	JUNCTION	888.43	5.27	0.0
J183	JUNCTION	884.34	2.35	0.0
J184	JUNCTION	861.91	3.50	0.0
J185	JUNCTION	927.55	2.80	0.0

J186	JUNCTION	926.20	3.52	0.0
J187	JUNCTION	1011.79	3.00	0.0
J19	JUNCTION	848.41	4.34	0.0
J2	JUNCTION	861.21	6.39	0.0
J20	JUNCTION	845.32	9.99	0.0
J21	JUNCTION	863.59	6.88	100.0
J22	JUNCTION	863.98	8.40	100.0
J23	JUNCTION	863.86	11.03	0.0
J24	JUNCTION	864.84	11.03	0.0
J25	JUNCTION	865.83	8.02	0.0
J26	JUNCTION	867.96	5.24	0.0
J27	JUNCTION	871.54	8.97	0.0
J28	JUNCTION	943.21	4.80	0.0
J29	JUNCTION	926.69	4.47	100.0
J3	JUNCTION	853.15	10.09	0.0
J30	JUNCTION	922.02	5.00	0.0
J31	JUNCTION	919.62	7.26	100.0
J32	JUNCTION	919.27	6.35	100.0
J33	JUNCTION	917.74	7.30	0.0
J34	JUNCTION	899.22	9.20	0.0
J35	JUNCTION	908.54	8.20	0.0
J36	JUNCTION	897.71	6.13	0.0
J37	JUNCTION	896.92	6.43	0.0
J38	JUNCTION	887.13	6.43	0.0
J39	JUNCTION	885.67	5.62	0.0
J4	JUNCTION	854.42	9.15	0.0
J40	JUNCTION	903.56	8.96	0.0
J41	JUNCTION	894.45	14.60	0.0
J42	JUNCTION	898.27	8.20	0.0
J43	JUNCTION	895.14	4.23	0.0
J44	JUNCTION	889.39	5.20	0.0
J45	JUNCTION	887.35	8.97	0.0
J46	JUNCTION	1029.23	5.58	100.0
J47	JUNCTION	1029.03	4.84	100.0
J48	JUNCTION	1028.23	4.05	100.0
J49	JUNCTION	1027.18	4.65	0.0
J5	JUNCTION	853.85	8.57	0.0
J50	JUNCTION	1011.69	4.10	100.0
J51	JUNCTION	1005.32	4.55	0.0
J52	JUNCTION	996.69	6.28	100.0
J53	JUNCTION	1072.41	2.60	100.0
J54	JUNCTION	1070.72	2.50	100.0
J55	JUNCTION	1065.60	3.05	100.0
J56	JUNCTION	1050.60	3.20	100.0
J57	JUNCTION	1014.89	2.68	0.0
J58	JUNCTION	1045.75	1.50	0.0
J59	JUNCTION	1034.52	7.50	100.0
J6	JUNCTION	866.40	5.64	0.0
J60	JUNCTION	1021.50	5.90	100.0
J61	JUNCTION	1002.60	5.11	100.0
J62	JUNCTION	1001.78	6.11	100.0
J63	JUNCTION	995.85	4.43	0.0
J64	JUNCTION	986.80	6.96	0.0
J65	JUNCTION	986.54	7.22	0.0
J66	JUNCTION	978.86	5.27	0.0
J67	JUNCTION	982.37	4.70	0.0
J68	JUNCTION	976.97	6.82	0.0

J69	JUNCTION	976.37	5.85	100.0
J7	JUNCTION	875.38	11.00	0.0
J70	JUNCTION	973.41	3.12	100.0
J71	JUNCTION	969.66	3.00	0.0
J72	JUNCTION	1055.62	6.83	100.0
J74	JUNCTION	1052.29	2.20	100.0
J75	JUNCTION	1053.01	3.20	100.0
J76	JUNCTION	1053.68	3.35	100.0
J77	JUNCTION	1028.46	6.26	100.0
J78	JUNCTION	1021.44	4.25	100.0
J79	JUNCTION	1026.15	3.55	100.0
J8	JUNCTION	875.08	10.02	0.0
J80	JUNCTION	1014.55	5.90	100.0
J81	JUNCTION	1015.00	5.55	100.0
J82	JUNCTION	1014.00	6.45	100.0
J83	JUNCTION	1019.80	3.10	0.0
J84	JUNCTION	1018.05	4.75	0.0
J85	JUNCTION	988.25	3.23	0.0
J86	JUNCTION	987.17	3.54	0.0
J87	JUNCTION	986.40	4.54	0.0
J88	JUNCTION	985.65	3.40	0.0
J89	JUNCTION	981.52	5.60	100.0
J9	JUNCTION	875.66	11.00	0.0
J90	JUNCTION	980.25	8.35	0.0
J91	JUNCTION	1048.66	4.60	100.0
J92	JUNCTION	975.95	7.26	100.0
J93	JUNCTION	975.42	4.47	100.0
J94	JUNCTION	973.80	4.61	100.0
J95	JUNCTION	973.39	7.34	100.0
J96	JUNCTION	973.27	6.85	100.0
J97	JUNCTION	964.70	9.36	100.0
J98	JUNCTION	962.53	9.90	0.0
J99	JUNCTION	961.98	6.10	0.0
OF1	OUTFALL	843.04	9.99	0.0
J73	STORAGE	1048.58	6.10	0.0
SU1	STORAGE	948.10	3.90	0.0
SU2	STORAGE	890.46	4.70	0.0

****
Link Summary
****

Name	From Node	To Node	Type	Length	% Slope	Roughness
5	J33	J35	CONDUIT	225.8	3.6761	0.0110
C1	J20	OF1	CONDUIT	67.8	3.3701	0.0300
C10	J16	J17	CONDUIT	138.2	1.7001	0.0300
C100	J119	J118	CONDUIT	17.1	-0.9335	0.0130
C101	J118	J117	CONDUIT	112.3	7.7752	0.0350
C102	J120	J119	CONDUIT	31.1	1.7354	0.0130

C103	J122	J120	CONDUIT	15.7	
15.0984	0.0130				
C104	J121	J120	CONDUIT	29.8	
0.8725	0.0130				
C105	J123	J121	CONDUIT	98.2	
0.7636	0.0130				
C106	J124	J123	CONDUIT	19.8	
0.8096	0.0130				
C107	J39	J27	CONDUIT	204.9	
6.9145	0.0400				
C108	J125	J126	CONDUIT	48.3	
8.1639	0.0130				
C109	J127	J125	CONDUIT	33.9	
2.8324	0.0130				
C110	J128	J126	CONDUIT	57.9	
8.4218	0.0130				
C111	J126	J129	CONDUIT	42.3	
1.2296	0.0130				
C112	J129	J130	CONDUIT	168.9	
8.3840	0.0130				
C113	J130	J131	CONDUIT	50.9	
2.1427	0.0130				
C114	J131	J15	CONDUIT	42.4	
7.6089	0.0130				
C115	J49	J50	CONDUIT	270.3	
5.7404	0.0130				
C116	J31	J32	CONDUIT	17.0	
7.4225	0.0200				
C116_2	J77	J81	CONDUIT	467.7	
3.0310	0.0500				
C117	J61	J62	CONDUIT	31.5	-
0.5709	0.0130				
C118	J52	J132	CONDUIT	80.9	
5.9291	0.0130				
C119	J133	J135	CONDUIT	61.8	
10.8979	0.0130				
C12	J1	J19	CONDUIT	629.1	-
0.0027	0.0130				
C120	J135	J136	CONDUIT	157.0	
2.0390	0.0130				
C121	J102	J107	CONDUIT	196.8	
4.2121	0.0230				
C122	J137	J139	CONDUIT	200.3	
5.6060	0.0240				
C122_1	J136	J138	CONDUIT	76.9	
2.7043	0.0130				
C122_2	J138	J137	CONDUIT	24.7	
2.7121	0.0130				
C123	J139	J140	CONDUIT	673.1	
4.1099	0.0130				
C124	J140	J141	CONDUIT	82.4	
1.8929	0.0240				
C125	J141	J29	CONDUIT	67.9	
2.1798	0.0130				
C126	J147	J150	CONDUIT	11.7	
2.1378	0.0130				
C127	J142	J150	CONDUIT	17.5	
5.4786	0.0130				
C127_1	J73	J150	CONDUIT	142.3	
1.8133	0.0130				

C127_2	J150	J143	CONDUIT	166.6	7.2378	0.0130
C128	J82	J110	CONDUIT	12.1	0.4147	0.0130
C128_1	J141	J148	CONDUIT	73.5	3.8944	0.0300
C128_2	J148	J30	CONDUIT	125.1	4.0485	0.0300
C128_3	J80	J110	CONDUIT	194.5	0.2828	0.0130
C128_4	J111	J151	CONDUIT	220.7	5.1257	0.0240
C128_5	J110	J111	CONDUIT	75.6	8.2259	0.0130
C128_7	J151	J85	CONDUIT	157.3	5.2511	0.0130
C129	J139	J32	CONDUIT	1077.2	3.7373	0.0230
C13	J17	J18	CONDUIT	13.0	7.9280	0.0300
C130	J112	J151	CONDUIT	39.2	2.1959	0.0130
C130_1	J30	J31	CONDUIT	99.8	0.9822	0.0300
C131	J149	J53	CONDUIT	26.1	5.6414	0.0130
C132	J59	J60	CONDUIT	200.0	7.3292	0.0240
C132_1	J149	J113	CONDUIT	365.2	9.4532	0.0220
C133	J156	J155	CONDUIT	19.8	3.5902	0.0200
C134	J57	J61	CONDUIT	98.7	12.2487	0.0240
C135	J58	J134	CONDUIT	41.8	1.8855	0.0300
C136	J134	J59	CONDUIT	87.8	4.4935	0.0220
C137	J144	J101	CONDUIT	19.1	4.3962	0.0130
C138	J57	J61	CONDUIT	100.1	9.8993	0.0200
C139	J155	J154	CONDUIT	31.2	1.1207	0.0130
C14	J18	J1	CONDUIT	170.0	3.0361	0.0300
C140	J62	J63	CONDUIT	119.3	6.3900	0.0200
C141	J64	J65	CONDUIT	36.8	0.0027	0.0200
C142	J66	J71	CONDUIT	192.3	6.8447	0.0240
C143	J162	J159	CONDUIT	30.6	0.0033	0.0240
C144	J156	J155	CONDUIT	17.6	8.4448	0.0130
C145	J158	J157	CONDUIT	5.8	0.5156	0.0240
C147	J157	J156	CONDUIT	17.9	12.0180	0.0700

C148	J35	J34	CONDUIT	224.8	
3.7058	0.0110				
C149	J34	J36	CONDUIT	43.5	
10.5722	0.0110				
C15	J13	J14	CONDUIT	22.3	
6.9280	0.0300				
C150	J22	J21	CONDUIT	14.3	
0.0070	0.0130				
C151	J14	J15	CONDUIT	65.6	
0.7618	0.0200				
C152	J162	J159	CONDUIT	24.4	
7.4931	0.0140				
C153	J159	J158	CONDUIT	392.2	
5.4549	0.0500				
C154	J163	J164	CONDUIT	10.6	-
1.3197	0.0130				
C155	J164	J162	CONDUIT	117.0	
4.3891	0.0700				
C156	J98	J99	CONDUIT	17.4	
13.5980	0.0240				
C157	J165	J163	CONDUIT	35.7	
6.7745	0.0130				
C158	J154	J166	CONDUIT	12.3	
6.5938	0.0300				
C159	J81	J82	CONDUIT	33.0	
16.9258	0.0110				
C16	J2	J13	CONDUIT	55.0	
1.5381	0.0300				
C160	J166	J167	CONDUIT	256.7	
3.9321	0.0240				
C160_3	J82	J85	CONDUIT	460.5	
6.4084	0.0110				
C161	J168	J169	CONDUIT	45.2	
1.3500	0.0130				
C162	J169	J40	CONDUIT	95.0	
8.8905	0.0130				
C163	J113	J59	CONDUIT	31.2	
0.3849	0.0110				
C164	J158	J157	CONDUIT	7.9	
0.0127	0.0240				
C165	J170	J40	CONDUIT	9.9	
3.0317	0.0130				
C166	J89	J90	CONDUIT	21.0	
2.4827	0.0110				
C167	J173	J174	CONDUIT	18.8	
0.4785	0.0130				
C168	J85	J87	CONDUIT	127.1	
0.0464	0.0110				
C169	J174	J175	CONDUIT	41.1	
3.7039	0.0130				
C169_2	J95	J96	CONDUIT	16.9	
3.6067	0.0110				
C169_3	J92	J109	CONDUIT	49.8	
4.0715	0.0110				
C169_4	J109	J95	CONDUIT	11.1	
4.0655	0.0110				
C17	J21	J2	CONDUIT	66.4	
3.5867	0.0300				
C170	J175	J172	CONDUIT	70.7	
4.3764	0.0130				

C170_4	J160	J161	CONDUIT	268.8	
5.8529	0.0350				
C170_6	J161	J52	CONDUIT	309.4	
3.8913	0.0350				
C171	J49	J160	CONDUIT	18.6	
6.0381	0.0350				
C172	J50	J161	CONDUIT	9.0	
8.7892	0.0350				
C173	J176	J41	CONDUIT	9.5	
128.9248	0.0130				
C174	J133	J137	CONDUIT	317.6	
5.1556	0.0110				
C175	J13	J14	CONDUIT	27.0	-
2.1514	0.0240				
C176	J4	J3	CONDUIT	42.1	
0.7795	0.0110				
C177	J19	J20	CONDUIT	6.5	
15.3877	0.0240				
C178	J177	J42	CONDUIT	14.8	
15.5118	0.0130				
C179	J178	J42	CONDUIT	56.6	
9.6750	0.0130				
C18	J22	J21	CONDUIT	12.8	
3.0469	0.0350				
C180	J179	J180	CONDUIT	48.6	
3.8523	0.0130				
C181	J180	J43	CONDUIT	10.4	
0.5776	0.0130				
C182	SU2	J181	CONDUIT	3.7	
7.0713	0.0300				
C183	J181	J44	CONDUIT	8.3	
4.0998	0.0130				
C184	J184	J15	CONDUIT	71.3	
4.8694	0.0130				
C185	J185	J186	CONDUIT	37.3	
3.1676	0.0240				
C186	J186	J31	CONDUIT	123.3	
5.3451	0.0240				
C187	J187	J50	CONDUIT	10.9	
0.9154	0.0130				
C188	J91	J73	CONDUIT	56.2	
2.5285	0.0130				
C19	J23	J22	CONDUIT	15.7	-
0.7565	0.0350				
C2	J3	J1	CONDUIT	167.0	
2.8539	0.0300				
C20	J24	J23	CONDUIT	60.4	
1.6158	0.0350				
C21	J25	J24	CONDUIT	38.7	
2.5786	0.0350				
C22	J26	J25	CONDUIT	50.0	
4.2576	0.0350				
C23	J27	J26	CONDUIT	71.5	
5.0115	0.0350				
C24	J28	J29	CONDUIT	86.6	
18.3150	0.0130				
C25	J29	J30	CONDUIT	123.9	
3.7729	0.0130				
C26	J30	J31	CONDUIT	94.8	
2.5231	0.0350				

C27	J31	J32	CONDUIT	13.3	1.7267	0.0130
C28	J32	J33	CONDUIT	37.8	3.5214	0.0130
C29	J34	J36	CONDUIT	39.2	3.8503	0.0130
C29_1	J33	J35	CONDUIT	220.0	4.1838	0.0130
C29_2	J35	J34	CONDUIT	220.7	4.1837	0.0130
C3	J6	J4	CONDUIT	157.5	7.6283	0.0350
C3_1	J4	J5	CONDUIT	16.1	3.5081	0.0200
C3_2	J5	J3	CONDUIT	19.9	3.5062	0.0200
C30	J36	J37	CONDUIT	61.8	1.2700	0.0350
C31	J37	J38	CONDUIT	119.3	8.2389	0.0350
C32	J38	J39	CONDUIT	37.5	3.8947	0.0300
C33	J171	J172	CONDUIT	8.9	3.2649	0.0130
C33_1	J40	J172	CONDUIT	67.9	2.1662	0.0130
C33_2	J172	J41	CONDUIT	80.0	4.1897	0.0130
C34	J41	J42	CONDUIT	65.0	0.1538	0.0130
C35	J42	J180	CONDUIT	151.0	2.0069	0.0130
C36	J43	J44	CONDUIT	113.2	4.1470	0.0130
C37	J183	J24	CONDUIT	133.6	11.0401	0.0130
C37_1	J44	J182	CONDUIT	19.0	5.0511	0.0130
C37_2	J182	J45	CONDUIT	21.4	5.0520	0.0240
C38	J46	J47	CONDUIT	28.9	0.6923	0.0130
C39	J47	J48	CONDUIT	26.0	3.0787	0.0130
C4	J9	J7	CONDUIT	36.6	0.7648	0.0200
C4_1	J7	J8	CONDUIT	23.2	1.2936	0.0350
C4_2	J8	J6	CONDUIT	132.2	6.5817	0.0350
C40	J48	J49	CONDUIT	39.2	2.6820	0.0130
C41	J50	J51	CONDUIT	130.2	4.8608	0.0130
C42	J51	J52	CONDUIT	181.9	4.7156	0.0130
C43	J53	J54	CONDUIT	41.8	3.8027	0.0130
C44	J54	J55	CONDUIT	73.5	6.5676	0.0130

C45	J55	J56	CONDUIT	126.2	11.7638	0.0240
C46	J132	J133	CONDUIT	152.3	5.3320	0.0130
C46_1	J58	J134	CONDUIT	39.1	7.5956	0.0400
C46_2	J134	J113	CONDUIT	73.5	5.2095	0.0230
C47	J56	J58	CONDUIT	119.5	4.0625	0.0240
C48	J59	J60	CONDUIT	196.9	6.5253	0.0130
C49	J61	J62	CONDUIT	29.3	2.7633	0.0130
C5	J10	J9	CONDUIT	26.5	12.8583	0.0350
C50	J62	J63	CONDUIT	114.5	5.1838	0.0130
C51	J63	J64	CONDUIT	147.2	6.1595	0.0350
C52	J64	J65	CONDUIT	33.3	0.7805	0.0130
C53	J66	J68	CONDUIT	15.7	10.1699	0.0130
C53_1	J65	J67	CONDUIT	109.9	3.7993	0.0350
C53_2	J67	J66	CONDUIT	92.4	3.7961	0.0350
C54	J68	J69	CONDUIT	70.7	0.8487	0.0130
C55	J69	J70	CONDUIT	104.7	2.6852	0.0130
C56	J70	J71	CONDUIT	97.7	3.8415	0.0240
C57	J72	J73	CONDUIT	217.5	3.1461	0.0130
C58	J74	J73	CONDUIT	45.0	4.6907	0.0130
C59	J75	J73	CONDUIT	42.1	6.2528	0.0130
C6	J11	J10	CONDUIT	160.9	12.1204	0.0350
C60	J76	J73	CONDUIT	48.8	6.5780	0.0130
C61	J77	J79	CONDUIT	84.9	2.6053	0.0240
C62	J79	J78	CONDUIT	46.0	9.9632	0.0240
C63	J78	J80	CONDUIT	152.5	4.4248	0.0240
C64	J81	J82	CONDUIT	31.2	3.0438	0.0130
C65	J83	J84	CONDUIT	28.1	6.0536	0.0130
C66	J84	J81	CONDUIT	30.8	8.4762	0.0130
C67	J85	J86	CONDUIT	102.1	1.0612	0.0240
C68	J86	J87	CONDUIT	19.8	3.8539	0.0240

C69	J87	J88	CONDUIT	14.5	5.2122	0.0240
C7	J12	J10	CONDUIT	166.7	10.1972	0.0350
C70	J88	J89	CONDUIT	54.5	7.5991	0.0240
C71	J89	J90	CONDUIT	19.1	6.6584	0.0240
C72	J152	J153	CONDUIT	17.1	5.8556	0.0130
C72_1	J90	J153	CONDUIT	23.7	3.9002	0.0130
C72_2	J153	J106	CONDUIT	70.7	3.3854	0.0130
C73	J104	J105	CONDUIT	40.8	1.9870	0.0130
C73_2	J106	J92	CONDUIT	42.7	2.3084	0.0130
C74	J92	J93	CONDUIT	11.1	4.7776	0.0240
C75	J93	J94	CONDUIT	37.4	4.3155	0.0240
C76	J94	J95	CONDUIT	10.8	3.8243	0.0240
C77	J95	J96	CONDUIT	16.5	0.7328	0.0200
C78	J96	J97	CONDUIT	159.8	5.3718	0.0240
C79	J98	J99	CONDUIT	15.5	3.5564	0.0130
C8	J14	J15	CONDUIT	61.9	0.6168	0.0300
C80	SU1	J11	CONDUIT	663.7	7.5091	0.0350
C80_2	J100	J12	CONDUIT	184.4	5.2484	0.0350
C80_3	J71	J167	CONDUIT	71.5	5.2489	0.0130
C80_4	J167	J100	CONDUIT	1151.0	5.2463	0.0130
C81	J99	SU1	CONDUIT	831.8	1.6689	0.0130
C82	J102	J103	CONDUIT	145.8	1.4950	0.0130
C82_1	J97	J101	CONDUIT	43.4	3.2716	0.0130
C82_2	J101	J98	CONDUIT	42.0	1.7879	0.0130
C83	J105	J106	CONDUIT	44.6	4.8218	0.0130
C85	J60	J57	CONDUIT	83.6	11.8461	0.0240
C85_1	J90	J92	CONDUIT	139.6	3.8680	0.0240
C86	J28	J148	CONDUIT	86.0	20.0892	0.0240
C87	J108	J111	CONDUIT	22.3	0.8965	0.0130
C88	J32	J33	CONDUIT	43.1	1.3473	0.0130

C89	J145	J146	CONDUIT	43.0	0.0023
0.0130					
C9	J15	J16	CONDUIT	11.2	13.6396
0.0300					
C90	J146	J101	CONDUIT	43.3	4.7851
0.0130					
C91	J143	J77	CONDUIT	110.6	4.9863
0.0300					
C92	J107	J98	CONDUIT	662.5	3.2246
0.0230					
C93	J113	J59	CONDUIT	29.0	9.4192
0.0130					
C94	J97	J98	CONDUIT	86.4	1.8863
0.0110					
C95	J60	J57	CONDUIT	79.7	8.3201
0.0130					
C96	J57	J61	CONDUIT	95.7	12.7355
0.0130					
C97	J114	J117	CONDUIT	179.8	5.1330
0.0350					
C97_1	J45	J117	CONDUIT	174.9	3.0135
0.0350					
C97_2	J117	J27	CONDUIT	358.8	2.9401
0.0350					
C98	J116	J115	CONDUIT	40.6	5.1553
0.0130					
C99	J115	J114	CONDUIT	16.5	4.9138
0.0130					
C11	J19	J20	WEIR		
C84	J103	J104	WEIR		

****
Cross Section Summary
****

Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
5	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	514.48
C1	XS1	9.99	238.32	6.06	30.55	1	7203.86
C10	XS11	6.36	52.31	2.72	10.60	1	657.98
C100	CIRCULAR	2.50	4.91	0.63	2.50	1	39.63
C101	XS28	8.97	139.40	0.70	29.94	1	1306.86
C102	CIRCULAR	2.50	4.91	0.63	2.50	1	54.03
C103	CIRCULAR	1.50	1.77	0.38	1.50	1	40.82
C104	CIRCULAR	2.00	3.14	0.50	2.00	1	21.13
C105	CIRCULAR	1.50	1.77	0.38	1.50	1	9.18

C106	CIRCULAR	1.50	1.77	0.38	1.50	1	9.45
C107	XS29	3.98	58.71	1.70	32.88	1	815.30
C108	CIRCULAR	2.00	3.14	0.50	2.00	1	64.64
C109	CIRCULAR	2.00	3.14	0.50	2.00	1	38.07
C110	CIRCULAR	1.50	1.77	0.38	1.50	1	30.48
C111	CIRCULAR	2.00	3.14	0.50	2.00	1	25.09
C112	CIRCULAR	2.00	3.14	0.50	2.00	1	65.50
C113	CIRCULAR	2.00	3.14	0.50	2.00	1	33.11
C114	CIRCULAR	2.00	3.14	0.50	2.00	1	62.40
C115	CIRCULAR	3.00	7.07	0.75	3.00	1	159.80
C116	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	402.08
C116_2	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1	206.06
C117	RECT_OPEN	1.00	27.00	0.93	27.00	1	222.36
C118	CIRCULAR	3.00	7.07	0.75	3.00	1	162.41
C119	CIRCULAR	3.50	9.62	0.88	3.50	1	332.13
C12	TRAPEZOIDAL	2.50	1275.00	2.45	520.00	1	1376.51
C120	CIRCULAR	3.50	9.62	0.88	3.50	1	143.66
C121	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	51.62
C122	RECT_OPEN	4.00	14.00	1.22	3.50	1	234.00
C122_1	ARCH	3.00	10.64	0.90	4.50	1	186.01
C122_2	ARCH	3.00	10.64	0.90	4.50	1	186.28
C123	CIRCULAR	2.50	4.91	0.63	2.50	1	83.15
C124	CIRCULAR	2.50	4.91	0.63	2.50	1	30.57
C125	CIRCULAR	2.50	4.91	0.63	2.50	1	60.56
C126	CIRCULAR	1.50	1.77	0.38	1.50	1	15.36
C127	CIRCULAR	1.00	0.79	0.25	1.00	1	8.34
C127_1	CIRCULAR	2.50	4.91	0.63	2.50	1	55.23
C127_2	CIRCULAR	2.50	4.91	0.63	2.50	1	110.35
C128	CIRCULAR	1.67	2.19	0.42	1.67	1	9.01
C128_1	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	194.16

C128_2	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1	628.29
C128_3	CIRCULAR	2.50	4.91	0.63	2.50	1	21.81
C128_4	CIRCULAR	2.00	3.14	0.50	2.00	1	27.74
C128_5	CIRCULAR	2.50	4.91	0.63	2.50	1	117.64
C128_7	CIRCULAR	2.50	4.91	0.63	2.50	1	93.99
C129	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	48.63
C13	RECT_CLOSED	4.30	33.54	1.39	7.80	1	581.49
C130	CIRCULAR	1.25	1.23	0.31	1.25	1	9.57
C130_1	TRAPEZOIDAL	1.00	24.00	0.85	28.00	1	105.69
C131	CIRCULAR	1.50	1.77	0.38	1.50	1	24.95
C132	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	166.42
C132_1	RECT_OPEN	1.00	5.00	0.71	5.00	1	82.97
C133	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	139.77
C134	RECT_OPEN	0.71	1.60	0.44	2.25	1	19.88
C135	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1	79.81
C136	RECT_OPEN	1.00	27.00	0.93	27.00	1	368.61
C137	CIRCULAR	1.25	1.23	0.31	1.25	1	13.54
C138	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	232.09
C139	CIRCULAR	2.50	4.91	0.63	2.50	1	43.42
C14	XS10	5.60	55.08	2.13	19.46	1	787.64
C140	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1	220.38
C141	TRAPEZOIDAL	2.00	36.00	1.36	26.00	1	17.11
C142	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1	190.07
C143	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1	22.30
C144	CIRCULAR	2.50	4.91	0.63	2.50	1	119.20
C145	CIRCULAR	0.67	0.35	0.17	0.67	1	0.48
C147	RECT_OPEN	2.50	7.50	0.94	3.00	1	52.87
C148	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	258.19
C149	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	436.10
C15	XS14	4.64	44.90	2.40	20.83	1	1050.32

C150	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
18.99						
C151	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1
408.83						
C152	CIRCULAR	1.00	0.79	0.25	1.00	1
9.06						
C153	RECT_OPEN	2.50	7.50	0.94	3.00	1
49.87						
C154	CIRCULAR	1.50	1.77	0.38	1.50	1
12.07						
C155	RECT_OPEN	2.50	7.50	0.94	3.00	1
31.95						
C156	TRAPEZOIDAL	1.00	16.00	0.90	17.00	1
339.89						
C157	CIRCULAR	1.00	0.79	0.25	1.00	1
9.27						
C158	CIRCULAR	2.50	4.91	0.63	2.50	1
45.64						
C159	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
2213.36						
C16	XS15	6.39	91.07	3.40	28.37	1
1263.79						
C160	RECT_OPEN	2.50	10.00	1.11	4.00	1
131.71						
C160_3	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
1361.93						
C161	CIRCULAR	1.50	1.77	0.38	1.50	1
12.20						
C162	CIRCULAR	2.50	4.91	0.63	2.50	1
122.30						
C163	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
83.21						
C164	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
13.87						
C165	CIRCULAR	1.00	0.79	0.25	1.00	1
6.20						
C166	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
847.70						
C167	CIRCULAR	1.00	0.79	0.25	1.00	1
2.46						
C168	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
115.93						
C169	CIRCULAR	1.50	1.77	0.38	1.50	1
20.22						
C169_2	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6354.63						
C169_3	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6751.74						
C169_4	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6746.76						
C17	XS16	5.78	75.72	1.54	34.13	1
948.95						
C170	CIRCULAR	1.50	1.77	0.38	1.50	1
21.98						
C170_4	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
101.98						
C170_6	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
83.15						
C171	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
52.42						

C172	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
63.25						
C173	ARCH	1.50	2.80	0.45	2.38	1
213.41						
C174	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
154.14						
C175	TRAPEZOIDAL	3.00	54.00	2.30	21.00	1
854.34						
C176	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
118.41						
C177	TRAPEZOIDAL	2.00	24.00	1.53	14.00	1
774.95						
C178	CIRCULAR	1.50	1.77	0.38	1.50	1
41.37						
C179	CIRCULAR	1.50	1.77	0.38	1.50	1
32.67						
C18	ARCH	4.00	31.52	1.20	10.00	1
263.22						
C180	CIRCULAR	1.50	1.77	0.38	1.50	1
20.62						
C181	CIRCULAR	3.00	7.07	0.75	3.00	1
50.69						
C182	CIRCULAR	0.67	0.35	0.17	0.67	1
1.41						
C183	CIRCULAR	1.25	1.23	0.31	1.25	1
13.08						
C184	CIRCULAR	1.50	1.77	0.38	1.50	1
23.18						
C185	CIRCULAR	1.00	0.79	0.25	1.00	1
3.43						
C186	CIRCULAR	1.50	1.77	0.38	1.50	1
13.15						
C187	CIRCULAR	1.00	0.79	0.25	1.00	1
3.41						
C188	CIRCULAR	1.25	1.23	0.31	1.25	1
10.27						
C19	XS17	8.40	188.17	4.94	35.59	1
2015.69						
C2	XS2	5.38	99.15	3.52	24.27	1
1918.56						
C20	XS18	11.03	217.69	6.41	34.67	1
4055.42						
C21	XS19	8.02	133.18	2.95	30.03	1
1868.33						
C22	XS20	5.24	77.90	2.23	23.90	1
1166.20						
C23	XS21	5.11	77.61	3.04	26.97	1
1547.01						
C24	CIRCULAR	2.00	3.14	0.50	2.00	1
96.81						
C25	CIRCULAR	2.50	4.91	0.63	2.50	1
79.67						
C26	XS22	3.53	48.41	1.64	28.19	1
453.10						
C27	CIRCULAR	2.50	4.91	0.63	2.50	1
53.90						
C28	CIRCULAR	2.50	4.91	0.63	2.50	1
76.97						
C29	CIRCULAR	3.50	9.62	0.88	3.50	1
197.42						

C29_1	CIRCULAR	2.50	4.91	0.63	2.50	1
83.90						
C29_2	CIRCULAR	3.50	9.62	0.88	3.50	1
205.79						
C3	XS3	4.55	95.83	3.21	25.34	1
2443.35						
C3_1	RECT_CLOSED	5.00	55.00	1.72	11.00	1
1098.24						
C3_2	RECT_CLOSED	6.00	66.00	1.94	11.00	1
1428.87						
C30	XS23	4.08	74.78	2.57	32.83	1
671.71						
C31	XS24	6.43	125.90	3.87	37.26	1
3779.07						
C32	RECT_CLOSED	4.00	40.00	1.43	10.00	1
495.98						
C33	CIRCULAR	1.50	1.77	0.38	1.50	1
18.98						
C33_1	CIRCULAR	2.50	4.91	0.63	2.50	1
60.37						
C33_2	CIRCULAR	3.00	7.07	0.75	3.00	1
136.52						
C34	CIRCULAR	3.00	7.07	0.75	3.00	1
26.15						
C35	CIRCULAR	3.00	7.07	0.75	3.00	1
94.49						
C36	CIRCULAR	3.00	7.07	0.75	3.00	1
135.83						
C37	CIRCULAR	1.25	1.23	0.31	1.25	1
21.46						
C37_1	CIRCULAR	3.00	7.07	0.75	3.00	1
149.90						
C37_2	CIRCULAR	3.00	7.07	0.75	3.00	1
81.20						
C38	CIRCULAR	3.00	7.07	0.75	3.00	1
55.50						
C39	CIRCULAR	2.50	4.91	0.63	2.50	1
71.97						
C4	CIRCULAR	11.00	95.03	2.75	11.00	1
1212.05						
C4_1	XS7	10.02	77.59	2.93	16.77	1
766.62						
C4_2	XS4	5.64	119.40	3.66	29.37	1
3090.82						
C40	CIRCULAR	2.50	4.91	0.63	2.50	1
67.17						
C41	CIRCULAR	3.00	7.07	0.75	3.00	1
147.05						
C42	CIRCULAR	3.00	7.07	0.75	3.00	1
144.84						
C43	CIRCULAR	1.50	1.77	0.38	1.50	1
20.48						
C44	CIRCULAR	2.00	3.14	0.50	2.00	1
57.98						
C45	CIRCULAR	2.00	3.14	0.50	2.00	1
42.03						
C46	CIRCULAR	3.50	9.62	0.88	3.50	1
232.32						
C46_1	TRAPEZOIDAL	1.00	5.00	0.73	6.00	1
41.59						

C46_2	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	57.41
C47	CIRCULAR	1.50	1.77	0.38	1.50	2	11.47
C48	CIRCULAR	1.67	2.19	0.42	1.67	1	35.73
C49	CIRCULAR	1.50	1.77	0.38	1.50	1	17.46
C5	XS5	7.55	124.26	4.38	21.74	1	5068.01
C50	CIRCULAR	1.50	1.77	0.38	1.50	1	23.92
C51	XS25	2.17	19.95	0.98	19.55	1	207.15
C52	CIRCULAR	3.00	7.07	0.75	3.00	1	58.93
C53	CIRCULAR	2.50	4.91	0.63	2.50	1	130.80
C53_1	XS26	3.96	28.25	1.90	11.38	1	358.74
C53_2	XS27	2.82	15.24	1.42	7.80	1	159.60
C54	ARCH	2.00	6.30	0.60	4.00	1	47.12
C55	CIRCULAR	2.50	4.91	0.63	2.50	1	67.21
C56	CIRCULAR	2.00	3.14	0.50	2.00	1	24.02
C57	CIRCULAR	2.50	4.91	0.63	2.50	1	72.75
C58	CIRCULAR	1.25	1.23	0.31	1.25	1	13.99
C59	CIRCULAR	1.25	1.23	0.31	1.25	1	16.15
C6	XS8	3.76	38.43	2.26	12.47	1	979.41
C60	CIRCULAR	1.25	1.23	0.31	1.25	1	16.57
C61	CIRCULAR	2.50	4.91	0.63	2.50	1	35.86
C62	CIRCULAR	2.50	4.91	0.63	2.50	1	70.13
C63	CIRCULAR	2.50	4.91	0.63	2.50	1	46.74
C64	CIRCULAR	1.67	2.19	0.42	1.67	1	24.40
C65	CIRCULAR	1.67	2.19	0.42	1.67	1	34.41
C66	CIRCULAR	1.67	2.19	0.42	1.67	1	40.72
C67	Trous1	3.23	26.17	1.80	9.45	1	247.10
C68	Trous2	3.54	28.38	1.99	8.61	1	545.43
C69	Trous3	3.40	37.44	2.20	12.94	1	896.26
C7	XS9	3.75	85.07	2.47	33.46	1	2105.63
C70	Trous3	3.40	37.44	2.20	12.94	1	1082.18

C71	Trous4-5	4.71	28.45	2.04	7.89	1
730.46						
C72	CIRCULAR	1.25	1.23	0.31	1.25	1
15.63						
C72_1	CIRCULAR	3.50	9.62	0.88	3.50	1
198.69						
C72_2	CIRCULAR	3.50	9.62	0.88	3.50	1
185.12						
C73	ARCH	1.00	1.32	0.30	1.67	1
9.48						
C73_2	CIRCULAR	3.50	9.62	0.88	3.50	1
152.86						
C74	Trous6	4.31	18.52	1.70	4.86	1
357.06						
C75	Trous7	4.47	21.79	1.76	6.63	1
408.41						
C76	Trous8	4.61	21.15	1.48	7.05	1
331.89						
C77	RECT_CLOSED	2.50	10.00	0.77	4.00	1
53.40						
C78	Trous10	3.75	22.25	1.42	10.55	1
403.94						
C79	CIRCULAR	3.50	9.62	0.88	3.50	1
189.73						
C8	RECT_CLOSED	4.50	45.00	1.55	10.00	1
234.63						
C80	XS8	3.76	38.43	2.26	12.47	1
770.90						
C80_2	XS9	3.75	85.07	2.47	33.46	1
1510.62						
C80_3	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1
2343.69						
C80_4	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1
2343.11						
C81	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1
1321.52						
C82	CIRCULAR	1.00	0.79	0.25	1.00	1
4.36						
C82_1	CIRCULAR	3.50	9.62	0.88	3.50	1
181.98						
C82_2	CIRCULAR	3.50	9.62	0.88	3.50	1
134.53						
C83	ARCH	1.00	1.32	0.30	1.67	1
14.77						
C85	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
211.58						
C85_1	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
3016.20						
C86	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
275.52						
C87	CIRCULAR	1.25	1.23	0.31	1.25	1
6.12						
C88	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
263.55						
C89	CIRCULAR	1.25	1.23	0.31	1.25	1
0.31						
C9	XS11	6.36	52.31	2.72	10.60	1
1863.70						
C90	CIRCULAR	1.25	1.23	0.31	1.25	1
14.13						

C91	RECT_OPEN	3.80	16.72	1.39	4.40	1	230.71
C92	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	45.17
C93	CIRCULAR	1.67	2.19	0.42	1.67	1	42.92
C94	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1	4595.61
C95	CIRCULAR	1.50	1.77	0.38	1.50	1	30.30
C96	CIRCULAR	1.50	1.77	0.38	1.50	1	37.49
C97	XS28	8.97	139.40	0.70	29.94	1	1061.84
C97_1	XS28	8.97	139.40	0.70	29.94	1	813.59
C97_2	XS28	8.97	139.40	0.70	29.94	1	803.62
C98	CIRCULAR	1.50	1.77	0.38	1.50	1	23.85
C99	CIRCULAR	1.50	1.77	0.38	1.50	1	23.29

****
Transect Summary
****

Transect Spillway
Area:

0.0014	0.0045	0.0085	0.0135	0.0195	
0.0265	0.0345	0.0434	0.0534	0.0643	
0.0762	0.0890	0.1029	0.1177	0.1335	
0.1503	0.1681	0.1869	0.2067	0.2274	
0.2491	0.2718	0.2955	0.3201	0.3457	
0.3716	0.3975	0.4235	0.4494	0.4754	
0.5014	0.5275	0.5536	0.5797	0.6058	
0.6319	0.6581	0.6843	0.7105	0.7368	
0.7630	0.7893	0.8156	0.8420	0.8683	
0.8946	0.9209	0.9473	0.9736	1.0000	

Hrad:

0.0163	0.0366	0.0544	0.0709	0.0868
0.1023	0.1175	0.1325	0.1474	0.1623
0.1770	0.1917	0.2064	0.2210	0.2356
0.2502	0.2647	0.2792	0.2937	0.3082
0.3227	0.3372	0.3517	0.3661	0.3841
0.4110	0.4377	0.4642	0.4905	0.5166
0.5425	0.5682	0.5937	0.6190	0.6441
0.6691	0.6938	0.7184	0.7428	0.7670
0.7911	0.8150	0.8387	0.8623	0.8857
0.9089	0.9319	0.9548	0.9775	1.0000

Width:

0.0971	0.1343	0.1716	0.2088	0.2461
0.2833	0.3206	0.3578	0.3951	0.4324
0.4696	0.5069	0.5441	0.5814	0.6186
0.6559	0.6931	0.7304	0.7676	0.8049
0.8421	0.8794	0.9166	0.9539	0.9812

```
            0.9822     0.9832     0.9842     0.9852     0.9862
            0.9872     0.9882     0.9892     0.9901     0.9911
            0.9921     0.9931     0.9941     0.9951     0.9961
            0.9970     0.9973     0.9976     0.9980     0.9983
            0.9987     0.9990     0.9993     0.9997     1.0000

Transect Street1
Area:
            0.0004     0.0017     0.0037     0.0066     0.0103
            0.0149     0.0202     0.0264     0.0335     0.0413
            0.0500     0.0595     0.0698     0.0810     0.0930
            0.1058     0.1194     0.1339     0.1492     0.1653
            0.1822     0.2000     0.2186     0.2380     0.2582
            0.2793     0.3012     0.3239     0.3475     0.3719
            0.3971     0.4231     0.4499     0.4776     0.5061
            0.5355     0.5656     0.5965     0.6275     0.6585
            0.6895     0.7207     0.7527     0.7856     0.8192
            0.8537     0.8891     0.9252     0.9622     1.0000
Hrad:
            0.0167     0.0333     0.0500     0.0667     0.0833
            0.1000     0.1167     0.1333     0.1500     0.1667
            0.1833     0.2000     0.2167     0.2333     0.2500
            0.2667     0.2833     0.3000     0.3167     0.3333
            0.3500     0.3667     0.3833     0.4000     0.4167
            0.4333     0.4500     0.4667     0.4833     0.5000
            0.5167     0.5333     0.5500     0.5667     0.5833
            0.6000     0.6167     0.6415     0.6745     0.7074
            0.7403     0.7731     0.8049     0.8355     0.8651
            0.8938     0.9216     0.9485     0.9746     1.0000
Width:
            0.0216     0.0432     0.0649     0.0865     0.1081
            0.1297     0.1514     0.1730     0.1946     0.2162
            0.2378     0.2595     0.2811     0.3027     0.3243
            0.3459     0.3676     0.3892     0.4108     0.4324
            0.4541     0.4757     0.4973     0.5189     0.5405
            0.5622     0.5838     0.6054     0.6270     0.6486
            0.6703     0.6919     0.7135     0.7351     0.7568
            0.7784     0.8000     0.8108     0.8108     0.8108
            0.8108     0.8270     0.8486     0.8703     0.8919
            0.9135     0.9351     0.9568     0.9784     1.0000

Transect Street1-ValleyGutters
Area:
            0.0002     0.0007     0.0015     0.0026     0.0041
            0.0059     0.0081     0.0105     0.0133     0.0165
            0.0199     0.0237     0.0278     0.0323     0.0371
            0.0422     0.0476     0.0534     0.0594     0.0659
            0.0726     0.0799     0.0890     0.0998     0.1124
            0.1269     0.1432     0.1613     0.1812     0.2029
            0.2265     0.2518     0.2790     0.3080     0.3389
            0.3715     0.4060     0.4423     0.4804     0.5203
            0.5620     0.6056     0.6510     0.6970     0.7430
            0.7901     0.8394     0.8908     0.9443     1.0000
Hrad:
            0.0242     0.0484     0.0726     0.0968     0.1210
            0.1452     0.1694     0.1936     0.2178     0.2420
            0.2661     0.2903     0.3145     0.3387     0.3629
```

```
            0.3871     0.4113     0.4355     0.4597     0.4839
            0.5081     0.4784     0.4353     0.4131     0.4033
            0.4016     0.4053     0.4131     0.4237     0.4365
            0.4511     0.4670     0.4840     0.5020     0.5206
            0.5399     0.5597     0.5800     0.6006     0.6216
            0.6429     0.6645     0.6900     0.7381     0.7861
            0.8333     0.8779     0.9203     0.9609     1.0000
Width:
            0.0058     0.0116     0.0174     0.0232     0.0290
            0.0348     0.0406     0.0464     0.0522     0.0580
            0.0638     0.0696     0.0754     0.0812     0.0870
            0.0928     0.0986     0.1044     0.1102     0.1160
            0.1218     0.1426     0.1747     0.2067     0.2387
            0.2708     0.3028     0.3348     0.3669     0.3989
            0.4310     0.4630     0.4950     0.5271     0.5591
            0.5911     0.6232     0.6552     0.6872     0.7193
            0.7513     0.7834     0.8108     0.8108     0.8108
            0.8486     0.8865     0.9243     0.9622     1.0000

Transect Trous1
Area:
            0.0164     0.0352     0.0541     0.0730     0.0920
            0.1110     0.1300     0.1492     0.1683     0.1876
            0.2069     0.2262     0.2456     0.2650     0.2845
            0.3041     0.3237     0.3434     0.3631     0.3828
            0.4027     0.4225     0.4425     0.4624     0.4825
            0.5026     0.5227     0.5429     0.5632     0.5835
            0.6038     0.6242     0.6447     0.6652     0.6858
            0.7064     0.7271     0.7478     0.7686     0.7894
            0.8103     0.8313     0.8523     0.8733     0.8943
            0.9154     0.9365     0.9576     0.9787     1.0000
Hrad:
            0.0309     0.0651     0.0983     0.1305     0.1618
            0.1922     0.2217     0.2504     0.2784     0.3056
            0.3321     0.3580     0.3832     0.4078     0.4317
            0.4552     0.4780     0.5004     0.5222     0.5436
            0.5644     0.5849     0.6049     0.6245     0.6437
            0.6625     0.6809     0.6989     0.7167     0.7340
            0.7511     0.7678     0.7843     0.8004     0.8163
            0.8319     0.8472     0.8622     0.8770     0.8916
            0.9059     0.9206     0.9392     0.9575     0.9758
            0.9938     1.0118     1.0295     1.0472     1.0000
Width:
            0.8047     0.8070     0.8093     0.8116     0.8139
            0.8162     0.8185     0.8208     0.8231     0.8254
            0.8277     0.8300     0.8323     0.8346     0.8369
            0.8392     0.8415     0.8438     0.8461     0.8484
            0.8507     0.8530     0.8553     0.8576     0.8599
            0.8622     0.8645     0.8668     0.8691     0.8714
            0.8737     0.8760     0.8783     0.8806     0.8829
            0.8852     0.8875     0.8898     0.8921     0.8944
            0.8966     0.8988     0.8999     0.9010     0.9021
            0.9032     0.9043     0.9054     0.9066     1.0000

Transect Trous10
Area:
            0.0105     0.0234     0.0364     0.0495     0.0626
```

0.0758 0.0891 0.1025 0.1159 0.1294
0.1430 0.1567 0.1704 0.1842 0.1981
0.2121 0.2261 0.2402 0.2544 0.2687
0.2830 0.2974 0.3119 0.3264 0.3411
0.3558 0.3706 0.3863 0.4052 0.4254
0.4467 0.4692 0.4928 0.5177 0.5438
0.5711 0.5995 0.6292 0.6597 0.6903
0.7209 0.7516 0.7822 0.8129 0.8437
0.8745 0.9055 0.9366 0.9678 1.0000
Hrad:
0.0418 0.0895 0.1341 0.1759 0.2151
0.2521 0.2869 0.3199 0.3512 0.3809
0.4091 0.4360 0.4617 0.4863 0.5099
0.5324 0.5541 0.5750 0.5950 0.6144
0.6331 0.6511 0.6686 0.6855 0.7018
0.7177 0.7331 0.6667 0.6676 0.6703
0.6746 0.6802 0.6871 0.6951 0.7041
0.7139 0.7245 0.7358 0.7619 0.7928
0.8234 0.8537 0.8836 0.9133 0.9427
0.9717 1.0002 1.0284 1.0562 1.0000
Width:
0.3622 0.3643 0.3664 0.3685 0.3706
0.3727 0.3748 0.3769 0.3790 0.3811
0.3832 0.3853 0.3874 0.3895 0.3916
0.3937 0.3958 0.3979 0.4000 0.4021
0.4042 0.4063 0.4084 0.4106 0.4127
0.4148 0.4169 0.5153 0.5489 0.5824
0.6160 0.6495 0.6831 0.7167 0.7502
0.7838 0.8173 0.8509 0.8603 0.8611
0.8618 0.8626 0.8634 0.8642 0.8662
0.8695 0.8728 0.8761 0.8794 1.0000

Transect Trous2
Area:
0.0100 0.0288 0.0477 0.0667 0.0857
0.1047 0.1238 0.1430 0.1622 0.1815
0.2008 0.2202 0.2397 0.2592 0.2788
0.2984 0.3181 0.3379 0.3577 0.3775
0.3975 0.4174 0.4375 0.4576 0.4777
0.4980 0.5182 0.5386 0.5589 0.5794
0.5999 0.6204 0.6411 0.6617 0.6825
0.7033 0.7241 0.7450 0.7660 0.7870
0.8081 0.8292 0.8504 0.8717 0.8930
0.9143 0.9357 0.9571 0.9785 1.0000
Hrad:
0.0187 0.0529 0.0860 0.1180 0.1489
0.1789 0.2080 0.2362 0.2635 0.2901
0.3159 0.3410 0.3655 0.3892 0.4124
0.4349 0.4569 0.4783 0.4992 0.5197
0.5396 0.5590 0.5781 0.5967 0.6149
0.6327 0.6501 0.6671 0.6838 0.7002
0.7163 0.7320 0.7474 0.7625 0.7774
0.7920 0.8063 0.8204 0.8342 0.8478
0.8611 0.8742 0.8871 0.8999 0.9162
0.9332 0.9501 0.9669 0.9835 1.0000
Width:
0.8751 0.8778 0.8805 0.8832 0.8859

0.8886 0.8913 0.8940 0.8967 0.8994
0.9021 0.9048 0.9075 0.9102 0.9129
0.9156 0.9183 0.9210 0.9237 0.9264
0.9291 0.9318 0.9345 0.9372 0.9399
0.9426 0.9453 0.9480 0.9507 0.9534
0.9561 0.9588 0.9615 0.9642 0.9669
0.9696 0.9723 0.9750 0.9777 0.9804
0.9831 0.9858 0.9886 0.9913 0.9929
0.9943 0.9957 0.9972 0.9986 1.0000

Transect Trous3
Area:
0.0013 0.0050 0.0113 0.0202 0.0315
0.0454 0.0617 0.0792 0.0973 0.1160
0.1353 0.1552 0.1756 0.1966 0.2176
0.2387 0.2599 0.2812 0.3025 0.3239
0.3454 0.3670 0.3886 0.4103 0.4321
0.4539 0.4758 0.4978 0.5199 0.5420
0.5643 0.5865 0.6089 0.6313 0.6538
0.6764 0.6991 0.7218 0.7446 0.7675
0.7904 0.8134 0.8365 0.8597 0.8829
0.9062 0.9296 0.9530 0.9765 1.0000
Hrad:
0.0153 0.0306 0.0458 0.0611 0.0764
0.0917 0.1094 0.1351 0.1598 0.1837
0.2068 0.2293 0.2512 0.2760 0.3019
0.3274 0.3524 0.3770 0.4011 0.4247
0.4479 0.4708 0.4932 0.5152 0.5369
0.5582 0.5792 0.5999 0.6202 0.6402
0.6598 0.6792 0.6983 0.7171 0.7357
0.7540 0.7720 0.7898 0.8073 0.8246
0.8416 0.8584 0.8751 0.8915 0.9076
0.9236 0.9416 0.9612 0.9807 1.0000
Width:
0.1071 0.2143 0.3214 0.4286 0.5357
0.6429 0.7313 0.7564 0.7816 0.8067
0.8319 0.8570 0.8822 0.8927 0.8958
0.8989 0.9020 0.9051 0.9082 0.9113
0.9144 0.9175 0.9206 0.9238 0.9269
0.9300 0.9331 0.9362 0.9393 0.9424
0.9455 0.9486 0.9517 0.9548 0.9579
0.9610 0.9641 0.9672 0.9703 0.9734
0.9765 0.9796 0.9827 0.9858 0.9890
0.9921 0.9944 0.9963 0.9981 1.0000

Transect Trous4
Area:
0.0106 0.0218 0.0334 0.0454 0.0577
0.0705 0.0836 0.0971 0.1110 0.1252
0.1399 0.1549 0.1703 0.1861 0.2023
0.2188 0.2358 0.2531 0.2708 0.2889
0.3073 0.3261 0.3454 0.3650 0.3850
0.4053 0.4261 0.4472 0.4687 0.4906
0.5128 0.5355 0.5585 0.5819 0.6057
0.6299 0.6545 0.6794 0.7047 0.7304
0.7565 0.7829 0.8094 0.8362 0.8630
0.8901 0.9173 0.9447 0.9723 1.0000

Hrad:

0.0401	0.0779	0.1132	0.1461	0.1772
0.2066	0.2345	0.2611	0.2866	0.3112
0.3348	0.3576	0.3798	0.4013	0.4222
0.4425	0.4625	0.4819	0.5010	0.5197
0.5381	0.5561	0.5739	0.5914	0.6087
0.6257	0.6425	0.6592	0.6756	0.6919
0.7080	0.7239	0.7397	0.7554	0.7709
0.7864	0.8017	0.8169	0.8320	0.8470
0.8619	0.8782	0.8944	0.9103	0.9259
0.9412	0.9562	0.9711	0.9856	1.0000

Width:

0.3964	0.4101	0.4238	0.4375	0.4512
0.4649	0.4786	0.4923	0.5060	0.5197
0.5334	0.5471	0.5609	0.5746	0.5883
0.6020	0.6157	0.6294	0.6431	0.6568
0.6705	0.6842	0.6979	0.7116	0.7254
0.7391	0.7528	0.7665	0.7802	0.7939
0.8076	0.8213	0.8350	0.8487	0.8624
0.8761	0.8899	0.9036	0.9173	0.9310
0.9447	0.9517	0.9577	0.9637	0.9698
0.9758	0.9819	0.9879	0.9940	1.0000

Transect Trous4-5

Area:

0.0102	0.0213	0.0331	0.0456	0.0588
0.0725	0.0867	0.1015	0.1169	0.1327
0.1488	0.1653	0.1820	0.1990	0.2163
0.2339	0.2519	0.2701	0.2886	0.3074
0.3265	0.3459	0.3656	0.3856	0.4060
0.4266	0.4475	0.4687	0.4902	0.5120
0.5341	0.5565	0.5792	0.6022	0.6256
0.6492	0.6731	0.6973	0.7217	0.7463
0.7710	0.7959	0.8209	0.8460	0.8713
0.8968	0.9224	0.9481	0.9740	1.0000

Hrad:

0.0428	0.0822	0.1183	0.1519	0.1843
0.2148	0.2436	0.2710	0.2973	0.3248
0.3513	0.3767	0.4011	0.4245	0.4471
0.4690	0.4902	0.5107	0.5306	0.5500
0.5689	0.5874	0.6054	0.6230	0.6403
0.6573	0.6739	0.6902	0.7063	0.7221
0.7376	0.7529	0.7681	0.7830	0.7977
0.8122	0.8266	0.8408	0.8556	0.8700
0.8842	0.8981	0.9117	0.9250	0.9381
0.9509	0.9635	0.9759	0.9880	1.0000

Width:

0.4105	0.4385	0.4665	0.4937	0.5148
0.5360	0.5572	0.5784	0.5996	0.6121
0.6235	0.6350	0.6465	0.6580	0.6695
0.6809	0.6924	0.7039	0.7154	0.7269
0.7383	0.7498	0.7613	0.7728	0.7843
0.7957	0.8072	0.8187	0.8302	0.8417
0.8531	0.8646	0.8761	0.8876	0.8990
0.9105	0.9220	0.9335	0.9393	0.9449
0.9504	0.9559	0.9614	0.9669	0.9724
0.9779	0.9835	0.9890	0.9945	1.0000

Transect Trous5

Area:

0.0140	0.0285	0.0432	0.0582	0.0734
0.0889	0.1046	0.1205	0.1368	0.1532
0.1699	0.1868	0.2040	0.2215	0.2392
0.2571	0.2753	0.2937	0.3124	0.3313
0.3504	0.3699	0.3895	0.4094	0.4296
0.4500	0.4706	0.4915	0.5126	0.5340
0.5556	0.5775	0.5996	0.6220	0.6446
0.6674	0.6904	0.7134	0.7366	0.7599
0.7834	0.8070	0.8306	0.8545	0.8784
0.9025	0.9267	0.9510	0.9754	1.0000

Hrad:

0.0512	0.0988	0.1424	0.1828	0.2202
0.2552	0.2880	0.3188	0.3480	0.3755
0.4018	0.4268	0.4507	0.4736	0.4956
0.5168	0.5372	0.5569	0.5760	0.5945
0.6125	0.6300	0.6470	0.6636	0.6798
0.6957	0.7112	0.7264	0.7412	0.7558
0.7702	0.7843	0.7981	0.8118	0.8252
0.8387	0.8519	0.8648	0.8774	0.8897
0.9018	0.9136	0.9251	0.9364	0.9475
0.9584	0.9691	0.9796	0.9899	1.0000

Width:

0.5828	0.5928	0.6028	0.6128	0.6229
0.6329	0.6429	0.6529	0.6629	0.6729
0.6829	0.6929	0.7029	0.7129	0.7229
0.7329	0.7430	0.7530	0.7630	0.7730
0.7830	0.7930	0.8030	0.8130	0.8230
0.8330	0.8430	0.8530	0.8631	0.8731
0.8831	0.8931	0.9031	0.9131	0.9231
0.9288	0.9339	0.9389	0.9440	0.9491
0.9542	0.9593	0.9644	0.9695	0.9746
0.9796	0.9847	0.9898	0.9949	1.0000

Transect Trous6

Area:

0.0118	0.0283	0.0451	0.0620	0.0790
0.0962	0.1136	0.1312	0.1489	0.1667
0.1848	0.2030	0.2213	0.2398	0.2585
0.2774	0.2964	0.3155	0.3349	0.3544
0.3740	0.3938	0.4138	0.4340	0.4543
0.4748	0.4954	0.5162	0.5371	0.5583
0.5795	0.6010	0.6226	0.6444	0.6662
0.6881	0.7101	0.7321	0.7542	0.7763
0.7984	0.8206	0.8429	0.8652	0.8875
0.9099	0.9324	0.9549	0.9774	1.0000

Hrad:

0.0350	0.0804	0.1222	0.1609	0.1969
0.2305	0.2619	0.2914	0.3192	0.3455
0.3704	0.3940	0.4165	0.4380	0.4585
0.4781	0.4969	0.5150	0.5325	0.5493
0.5655	0.5812	0.5964	0.6111	0.6253
0.6392	0.6527	0.6659	0.6787	0.6912
0.7033	0.7153	0.7269	0.7389	0.7571
0.7749	0.7925	0.8098	0.8269	0.8438

0.8604 0.8767 0.8929 0.9088 0.9245
0.9400 0.9553 0.9704 0.9853 1.0000
Width:
0.7292 0.7364 0.7435 0.7507 0.7579
0.7651 0.7723 0.7795 0.7867 0.7939
0.8011 0.8082 0.8154 0.8226 0.8298
0.8370 0.8442 0.8514 0.8586 0.8658
0.8730 0.8801 0.8873 0.8945 0.9017
0.9089 0.9161 0.9233 0.9305 0.9377
0.9449 0.9520 0.9592 0.9660 0.9681
0.9702 0.9724 0.9745 0.9766 0.9787
0.9809 0.9830 0.9851 0.9872 0.9894
0.9915 0.9936 0.9957 0.9979 1.0000

Transect Trous7
Area:
0.0061 0.0199 0.0341 0.0484 0.0629
0.0775 0.0924 0.1074 0.1226 0.1379
0.1534 0.1691 0.1850 0.2010 0.2172
0.2336 0.2501 0.2668 0.2837 0.3008
0.3180 0.3354 0.3530 0.3708 0.3887
0.4068 0.4250 0.4435 0.4621 0.4809
0.5003 0.5246 0.5503 0.5761 0.6020
0.6279 0.6539 0.6800 0.7062 0.7325
0.7589 0.7853 0.8119 0.8385 0.8652
0.8920 0.9189 0.9458 0.9729 1.0000
Hrad:
0.0247 0.0677 0.1102 0.1493 0.1854
0.2191 0.2504 0.2798 0.3074 0.3335
0.3581 0.3815 0.4037 0.4249 0.4452
0.4646 0.4832 0.5011 0.5183 0.5350
0.5510 0.5666 0.5817 0.5963 0.6105
0.6243 0.6378 0.6509 0.6637 0.6763
0.6876 0.6057 0.6299 0.6539 0.6775
0.7008 0.7239 0.7467 0.7691 0.7914
0.8133 0.8350 0.8564 0.8776 0.8986
0.9193 0.9398 0.9601 0.9802 1.0000
Width:
0.4484 0.5174 0.5237 0.5300 0.5363
0.5427 0.5490 0.5553 0.5616 0.5679
0.5743 0.5806 0.5869 0.5932 0.5995
0.6059 0.6122 0.6185 0.6248 0.6311
0.6375 0.6438 0.6501 0.6564 0.6627
0.6691 0.6754 0.6817 0.6880 0.6943
0.7926 0.9439 0.9470 0.9501 0.9533
0.9564 0.9595 0.9626 0.9657 0.9688
0.9720 0.9751 0.9782 0.9813 0.9844
0.9875 0.9907 0.9938 0.9969 1.0000

Transect Trous8
Area:
0.0033 0.0131 0.0288 0.0454 0.0621
0.0789 0.0957 0.1127 0.1298 0.1469
0.1642 0.1815 0.1989 0.2164 0.2341
0.2518 0.2696 0.2875 0.3054 0.3235
0.3417 0.3599 0.3783 0.3967 0.4153
0.4339 0.4526 0.4714 0.4903 0.5093

0.5287 0.5528 0.5770 0.6014 0.6257
0.6502 0.6746 0.6992 0.7237 0.7483
0.7730 0.7977 0.8225 0.8473 0.8722
0.8972 0.9223 0.9476 0.9730 1.0000
Hrad:
0.0295 0.0590 0.1005 0.1516 0.1987
0.2424 0.2829 0.3208 0.3562 0.3893
0.4206 0.4500 0.4778 0.5042 0.5292
0.5530 0.5756 0.5973 0.6179 0.6377
0.6567 0.6750 0.6925 0.7094 0.7256
0.7414 0.7565 0.7712 0.7855 0.7992
0.8119 0.7478 0.7738 0.7994 0.8247
0.8496 0.8742 0.8984 0.9222 0.9458
0.9690 0.9919 1.0145 1.0368 1.0588
1.0804 1.1016 1.1223 1.1426 1.0000
Width:
0.2136 0.4271 0.5388 0.5418 0.5448
0.5478 0.5508 0.5538 0.5568 0.5598
0.5628 0.5658 0.5688 0.5717 0.5747
0.5777 0.5807 0.5837 0.5867 0.5897
0.5927 0.5957 0.5987 0.6017 0.6047
0.6077 0.6107 0.6137 0.6166 0.6196
0.7171 0.7893 0.7909 0.7925 0.7941
0.7957 0.7973 0.7989 0.8005 0.8021
0.8037 0.8053 0.8069 0.8085 0.8101
0.8152 0.8203 0.8254 0.8305 1.0000

Transect XS1
Area:
0.0031 0.0099 0.0193 0.0310 0.0452
0.0613 0.0778 0.0944 0.1114 0.1285
0.1459 0.1635 0.1814 0.1995 0.2178
0.2363 0.2551 0.2741 0.2934 0.3129
0.3326 0.3525 0.3727 0.3931 0.4137
0.4346 0.4557 0.4770 0.4986 0.5204
0.5424 0.5647 0.5872 0.6099 0.6329
0.6561 0.6795 0.7032 0.7271 0.7512
0.7754 0.7998 0.8243 0.8489 0.8738
0.8987 0.9238 0.9491 0.9745 1.0000
Hrad:
0.0178 0.0399 0.0590 0.0769 0.0942
0.1195 0.1480 0.1756 0.2023 0.2283
0.2536 0.2782 0.3021 0.3254 0.3482
0.3705 0.3922 0.4135 0.4343 0.4548
0.4748 0.4944 0.5137 0.5327 0.5513
0.5696 0.5876 0.6054 0.6229 0.6401
0.6571 0.6739 0.6904 0.7067 0.7229
0.7388 0.7546 0.7701 0.7856 0.8057
0.8257 0.8455 0.8653 0.8849 0.9043
0.9237 0.9430 0.9621 0.9811 1.0000
Width:
0.2207 0.3159 0.4110 0.5062 0.6014
0.6380 0.6471 0.6562 0.6652 0.6743
0.6834 0.6925 0.7015 0.7106 0.7197
0.7287 0.7378 0.7469 0.7559 0.7650
0.7741 0.7831 0.7922 0.8013 0.8104
0.8194 0.8285 0.8376 0.8466 0.8557

0.8648 0.8738 0.8829 0.8920 0.9011
0.9101 0.9192 0.9283 0.9373 0.9430
0.9487 0.9544 0.9601 0.9658 0.9715
0.9772 0.9829 0.9886 0.9943 1.0000

Transect XS10
Area:
0.0112 0.0249 0.0387 0.0526 0.0667
0.0809 0.0953 0.1097 0.1244 0.1392
0.1541 0.1691 0.1843 0.1997 0.2152
0.2308 0.2466 0.2625 0.2785 0.2947
0.3110 0.3275 0.3441 0.3609 0.3778
0.3948 0.4120 0.4293 0.4468 0.4644
0.4821 0.5000 0.5193 0.5440 0.5695
0.5951 0.6207 0.6464 0.6722 0.6981
0.7241 0.7502 0.7763 0.8025 0.8299
0.8595 0.8913 0.9253 0.9616 1.0000
Hrad:
0.0424 0.0908 0.1365 0.1799 0.2212
0.2604 0.2979 0.3337 0.3680 0.4009
0.4325 0.4630 0.4923 0.5206 0.5479
0.5744 0.6000 0.6248 0.6489 0.6724
0.6952 0.7174 0.7390 0.7601 0.7807
0.8008 0.8204 0.8397 0.8585 0.8769
0.8950 0.9128 0.8158 0.7789 0.8100
0.8408 0.8713 0.9016 0.9316 0.9613
0.9907 1.0199 1.0489 1.0769 1.0536
1.0354 1.0214 1.0112 1.0042 1.0000
Width:
0.3435 0.3471 0.3506 0.3542 0.3578
0.3613 0.3649 0.3684 0.3720 0.3756
0.3791 0.3827 0.3863 0.3898 0.3934
0.3970 0.4005 0.4041 0.4077 0.4112
0.4148 0.4184 0.4219 0.4255 0.4291
0.4326 0.4362 0.4398 0.4433 0.4469
0.4505 0.4540 0.5655 0.6434 0.6454
0.6475 0.6496 0.6517 0.6538 0.6559
0.6579 0.6600 0.6621 0.6649 0.7207
0.7766 0.8324 0.8883 0.9441 1.0000

Transect XS11
Area:
0.0103 0.0224 0.0348 0.0476 0.0608
0.0744 0.0883 0.1025 0.1172 0.1322
0.1475 0.1632 0.1793 0.1957 0.2125
0.2297 0.2472 0.2651 0.2833 0.3019
0.3209 0.3403 0.3599 0.3800 0.4004
0.4212 0.4423 0.4638 0.4857 0.5079
0.5305 0.5535 0.5768 0.6005 0.6245
0.6488 0.6733 0.6978 0.7224 0.7472
0.7720 0.7969 0.8220 0.8471 0.8723
0.8977 0.9231 0.9486 0.9743 1.0000
Hrad:
0.0392 0.0805 0.1186 0.1540 0.1872
0.2183 0.2477 0.2756 0.3022 0.3276
0.3520 0.3755 0.3981 0.4200 0.4412
0.4618 0.4818 0.5013 0.5204 0.5391

0.5573 0.5752 0.5928 0.6101 0.6271
0.6438 0.6603 0.6766 0.6927 0.7085
0.7242 0.7397 0.7550 0.7702 0.7853
0.8016 0.8180 0.8340 0.8496 0.8649
0.8798 0.8943 0.9085 0.9224 0.9360
0.9494 0.9624 0.9752 0.9877 1.0000
Width:
0.4621 0.4761 0.4902 0.5042 0.5183
0.5323 0.5463 0.5604 0.5744 0.5884
0.6025 0.6165 0.6306 0.6446 0.6586
0.6727 0.6867 0.7008 0.7148 0.7288
0.7429 0.7569 0.7709 0.7850 0.7990
0.8131 0.8271 0.8411 0.8552 0.8692
0.8832 0.8973 0.9113 0.9254 0.9394
0.9460 0.9499 0.9537 0.9576 0.9614
0.9653 0.9691 0.9730 0.9769 0.9807
0.9846 0.9884 0.9923 0.9961 1.0000

Transect XS13
Area:
0.0017 0.0067 0.0151 0.0269 0.0418
0.0579 0.0741 0.0905 0.1071 0.1239
0.1409 0.1580 0.1754 0.1930 0.2108
0.2288 0.2469 0.2653 0.2838 0.3026
0.3215 0.3407 0.3600 0.3796 0.3993
0.4192 0.4394 0.4597 0.4802 0.5009
0.5218 0.5429 0.5642 0.5857 0.6074
0.6293 0.6514 0.6737 0.6961 0.7188
0.7417 0.7647 0.7880 0.8115 0.8351
0.8591 0.8865 0.9203 0.9586 1.0000
Hrad:
0.0261 0.0523 0.0784 0.1045 0.1369
0.1843 0.2299 0.2738 0.3161 0.3571
0.3966 0.4349 0.4721 0.5081 0.5432
0.5772 0.6104 0.6427 0.6742 0.7050
0.7350 0.7644 0.7932 0.8213 0.8489
0.8759 0.9025 0.9285 0.9541 0.9792
1.0039 1.0283 1.0522 1.0758 1.0990
1.1219 1.1445 1.1667 1.1887 1.2104
1.2318 1.2530 1.2739 1.2946 1.3151
1.2909 1.1643 1.0434 1.0187 1.0000
Width:
0.0781 0.1561 0.2342 0.3123 0.3700
0.3746 0.3791 0.3837 0.3882 0.3928
0.3973 0.4019 0.4065 0.4110 0.4156
0.4201 0.4247 0.4292 0.4338 0.4383
0.4429 0.4474 0.4520 0.4565 0.4611
0.4657 0.4702 0.4748 0.4793 0.4839
0.4884 0.4930 0.4975 0.5021 0.5066
0.5112 0.5157 0.5203 0.5249 0.5294
0.5340 0.5385 0.5431 0.5476 0.5522
0.5852 0.7023 0.8528 0.9264 1.0000

Transect XS14
Area:
0.0017 0.0067 0.0151 0.0269 0.0418
0.0579 0.0741 0.0905 0.1071 0.1239

0.1409 0.1580 0.1754 0.1930 0.2108
0.2288 0.2469 0.2653 0.2838 0.3026
0.3215 0.3407 0.3600 0.3796 0.3993
0.4192 0.4394 0.4597 0.4802 0.5009
0.5218 0.5429 0.5642 0.5857 0.6074
0.6293 0.6514 0.6737 0.6961 0.7188
0.7417 0.7647 0.7880 0.8115 0.8351
0.8591 0.8865 0.9203 0.9586 1.0000

Hrad:

0.0187 0.0374 0.0560 0.0747 0.0978
0.1317 0.1643 0.1957 0.2260 0.2552
0.2835 0.3109 0.3374 0.3632 0.3882
0.4126 0.4363 0.4594 0.4819 0.5039
0.5254 0.5464 0.5669 0.5871 0.6068
0.6261 0.6451 0.6637 0.6820 0.6999
0.7176 0.7350 0.7521 0.7689 0.7855
0.8019 0.8180 0.8340 0.8497 0.8652
0.8805 0.8956 0.9106 0.9254 0.9400
0.9562 0.9734 0.9858 0.9940 1.0000

Width:

0.0781 0.1561 0.2342 0.3123 0.3700
0.3746 0.3791 0.3837 0.3882 0.3928
0.3973 0.4019 0.4065 0.4110 0.4156
0.4201 0.4247 0.4292 0.4338 0.4383
0.4429 0.4474 0.4520 0.4565 0.4611
0.4657 0.4702 0.4748 0.4793 0.4839
0.4884 0.4930 0.4975 0.5021 0.5066
0.5112 0.5157 0.5203 0.5249 0.5294
0.5340 0.5385 0.5431 0.5476 0.5522
0.5852 0.7023 0.8528 0.9264 1.0000

Transect XS15

Area:

0.0010 0.0041 0.0092 0.0164 0.0255
0.0361 0.0475 0.0598 0.0730 0.0869
0.1011 0.1155 0.1302 0.1451 0.1602
0.1756 0.1912 0.2070 0.2231 0.2394
0.2560 0.2728 0.2898 0.3071 0.3246
0.3424 0.3604 0.3786 0.3971 0.4158
0.4347 0.4539 0.4734 0.4939 0.5153
0.5378 0.5619 0.5877 0.6153 0.6446
0.6756 0.7082 0.7417 0.7761 0.8113
0.8474 0.8843 0.9220 0.9606 1.0000

Hrad:

0.0185 0.0369 0.0554 0.0738 0.0930
0.1201 0.1455 0.1697 0.1928 0.2198
0.2484 0.2760 0.3027 0.3285 0.3536
0.3779 0.4015 0.4245 0.4469 0.4687
0.4901 0.5110 0.5314 0.5514 0.5710
0.5902 0.6091 0.6277 0.6459 0.6639
0.6816 0.6990 0.7196 0.7413 0.7612
0.7825 0.8042 0.8234 0.8405 0.8557
0.8693 0.8827 0.8968 0.9112 0.9257
0.9404 0.9551 0.9700 0.9850 1.0000

Width:

0.0513 0.1026 0.1539 0.2052 0.2543
0.2761 0.2979 0.3196 0.3414 0.3530

0.3590 0.3650 0.3709 0.3769 0.3829
0.3888 0.3948 0.4008 0.4068 0.4127
0.4187 0.4247 0.4307 0.4366 0.4426
0.4486 0.4545 0.4605 0.4665 0.4725
0.4784 0.4844 0.5008 0.5253 0.5498
0.5839 0.6271 0.6704 0.7136 0.7569
0.8002 0.8312 0.8523 0.8734 0.8945
0.9156 0.9367 0.9578 0.9789 1.0000

Transect XS16
Area:
0.0009 0.0036 0.0081 0.0144 0.0225
0.0324 0.0440 0.0572 0.0711 0.0853
0.0999 0.1149 0.1302 0.1459 0.1619
0.1783 0.1951 0.2123 0.2298 0.2476
0.2658 0.2844 0.3034 0.3227 0.3424
0.3624 0.3828 0.4036 0.4247 0.4462
0.4681 0.4903 0.5129 0.5358 0.5591
0.5828 0.6069 0.6313 0.6560 0.6811
0.7066 0.7325 0.7588 0.7865 0.8155
0.8459 0.8776 0.9108 0.9484 1.0000
Hrad:
0.0290 0.0580 0.0870 0.1160 0.1451
0.1741 0.2031 0.2418 0.2892 0.3346
0.3783 0.4204 0.4611 0.5005 0.5387
0.5758 0.6119 0.6471 0.6814 0.7151
0.7480 0.7802 0.8118 0.8429 0.8735
0.9036 0.9332 0.9624 0.9911 1.0196
1.0476 1.0754 1.1028 1.1300 1.1568
1.1834 1.2098 1.2359 1.2618 1.2875
1.3130 1.3383 1.3441 1.3354 1.3297
1.3266 1.3258 1.3271 0.9691 1.0000
Width:
0.0345 0.0690 0.1035 0.1380 0.1725
0.2070 0.2415 0.2626 0.2697 0.2767
0.2836 0.2906 0.2975 0.3045 0.3115
0.3184 0.3254 0.3324 0.3393 0.3463
0.3533 0.3602 0.3672 0.3742 0.3811
0.3881 0.3951 0.4020 0.4090 0.4160
0.4229 0.4299 0.4369 0.4438 0.4508
0.4578 0.4647 0.4717 0.4787 0.4856
0.4926 0.4996 0.5169 0.5434 0.5699
0.5963 0.6228 0.6493 0.9795 1.0000

Transect XS17
Area:
0.0017 0.0070 0.0146 0.0240 0.0343
0.0451 0.0565 0.0684 0.0809 0.0938
0.1074 0.1214 0.1360 0.1509 0.1662
0.1818 0.1978 0.2140 0.2307 0.2477
0.2650 0.2827 0.3007 0.3191 0.3378
0.3568 0.3762 0.3960 0.4160 0.4366
0.4599 0.4862 0.5129 0.5398 0.5669
0.5942 0.6216 0.6493 0.6772 0.7052
0.7335 0.7619 0.7905 0.8194 0.8484
0.8776 0.9073 0.9376 0.9685 1.0000
Hrad:

0.0169 0.0347 0.0575 0.0804 0.1081
0.1344 0.1595 0.1835 0.2067 0.2291
0.2509 0.2720 0.2946 0.3176 0.3401
0.3620 0.3835 0.4045 0.4251 0.4453
0.4652 0.4847 0.5040 0.5229 0.5416
0.5600 0.5782 0.5962 0.6139 0.6325
0.6505 0.6641 0.6789 0.6946 0.7109
0.7277 0.7448 0.7621 0.7796 0.7973
0.8150 0.8327 0.8504 0.8682 0.8859
0.9059 0.9305 0.9544 0.9775 1.0000

Width:

0.1100 0.2136 0.2693 0.3151 0.3321
0.3491 0.3661 0.3832 0.4002 0.4172
0.4343 0.4513 0.4643 0.4751 0.4860
0.4968 0.5076 0.5185 0.5293 0.5401
0.5510 0.5618 0.5726 0.5835 0.5943
0.6051 0.6159 0.6268 0.6376 0.6720
0.7952 0.8375 0.8436 0.8497 0.8557
0.8618 0.8679 0.8740 0.8800 0.8861
0.8922 0.8983 0.9043 0.9104 0.9165
0.9264 0.9448 0.9632 0.9816 1.0000

Transect XS18

Area:

0.0011 0.0041 0.0083 0.0132 0.0191
0.0257 0.0332 0.0414 0.0501 0.0593
0.0690 0.0793 0.0900 0.1012 0.1130
0.1253 0.1388 0.1539 0.1704 0.1885
0.2082 0.2293 0.2517 0.2744 0.2974
0.3213 0.3454 0.3699 0.3947 0.4198
0.4453 0.4710 0.4971 0.5234 0.5501
0.5771 0.6045 0.6321 0.6600 0.6883
0.7169 0.7458 0.7750 0.8046 0.8351
0.8664 0.8985 0.9315 0.9653 1.0000

Hrad:

0.0166 0.0366 0.0588 0.0786 0.0971
0.1147 0.1318 0.1515 0.1710 0.1895
0.2074 0.2247 0.2415 0.2579 0.2739
0.2846 0.2843 0.2869 0.2917 0.2981
0.3059 0.3147 0.3343 0.3605 0.3869
0.4153 0.4434 0.4711 0.4986 0.5257
0.5526 0.5792 0.6055 0.6316 0.6574
0.6830 0.7084 0.7335 0.7585 0.7832
0.8077 0.8320 0.8561 0.8788 0.9002
0.9211 0.9416 0.9615 0.9810 1.0000

Width:

0.0603 0.1060 0.1297 0.1535 0.1773
0.2011 0.2249 0.2410 0.2554 0.2697
0.2841 0.2985 0.3128 0.3272 0.3415
0.3640 0.4072 0.4505 0.4938 0.5371
0.5803 0.6236 0.6440 0.6490 0.6747
0.6837 0.6927 0.7017 0.7107 0.7197
0.7286 0.7376 0.7466 0.7556 0.7646
0.7736 0.7826 0.7915 0.8005 0.8095
0.8185 0.8275 0.8365 0.8544 0.8787
0.9030 0.9272 0.9515 0.9757 1.0000

Transect XS19

Area:

0.0018	0.0059	0.0113	0.0178	0.0249
0.0326	0.0410	0.0500	0.0596	0.0699
0.0809	0.0924	0.1046	0.1175	0.1310
0.1450	0.1596	0.1746	0.1900	0.2060
0.2223	0.2392	0.2565	0.2743	0.2925
0.3112	0.3304	0.3508	0.3729	0.3969
0.4226	0.4498	0.4775	0.5055	0.5337
0.5621	0.5909	0.6198	0.6490	0.6785
0.7082	0.7381	0.7683	0.7989	0.8302
0.8624	0.8955	0.9294	0.9643	1.0000

Hrad:

0.0222	0.0533	0.0799	0.1110	0.1403
0.1678	0.1938	0.2188	0.2429	0.2663
0.2891	0.3115	0.3335	0.3551	0.3765
0.4003	0.4245	0.4481	0.4714	0.4942
0.5167	0.5388	0.5606	0.5821	0.6034
0.6245	0.6415	0.6303	0.6236	0.6205
0.6204	0.6358	0.6642	0.6920	0.7193
0.7460	0.7723	0.7982	0.8236	0.8486
0.8732	0.8974	0.9212	0.9377	0.9471
0.9569	0.9671	0.9777	0.9887	1.0000

Width:

0.0966	0.1323	0.1680	0.1873	0.2050
0.2227	0.2403	0.2580	0.2757	0.2933
0.3110	0.3287	0.3463	0.3640	0.3817
0.3957	0.4084	0.4212	0.4340	0.4468
0.4595	0.4723	0.4851	0.4978	0.5106
0.5234	0.5400	0.5888	0.6375	0.6862
0.7350	0.7626	0.7695	0.7764	0.7833
0.7903	0.7972	0.8041	0.8110	0.8180
0.8249	0.8318	0.8388	0.8541	0.8784
0.9027	0.9271	0.9514	0.9757	1.0000

Transect XS2

Area:

0.0032	0.0128	0.0270	0.0417	0.0567
0.0719	0.0874	0.1031	0.1192	0.1354
0.1520	0.1688	0.1858	0.2032	0.2207
0.2386	0.2567	0.2751	0.2937	0.3126
0.3318	0.3512	0.3709	0.3908	0.4111
0.4315	0.4523	0.4733	0.4945	0.5160
0.5378	0.5599	0.5822	0.6048	0.6276
0.6507	0.6741	0.6977	0.7216	0.7457
0.7701	0.7948	0.8197	0.8449	0.8704
0.8960	0.9217	0.9477	0.9738	1.0000

Hrad:

0.0151	0.0303	0.0559	0.0843	0.1119
0.1388	0.1649	0.1905	0.2155	0.2398
0.2637	0.2871	0.3100	0.3325	0.3545
0.3762	0.3974	0.4184	0.4390	0.4593
0.4792	0.4989	0.5184	0.5375	0.5564
0.5751	0.5936	0.6118	0.6299	0.6477
0.6654	0.6828	0.7001	0.7173	0.7342
0.7511	0.7678	0.7843	0.8007	0.8170
0.8331	0.8492	0.8651	0.8809	0.8998

0.9200 0.9402 0.9602 0.9802 1.0000
Width:
0.2426 0.4852 0.5534 0.5633 0.5733
0.5833 0.5932 0.6032 0.6132 0.6231
0.6331 0.6431 0.6530 0.6630 0.6730
0.6829 0.6929 0.7029 0.7128 0.7228
0.7328 0.7427 0.7527 0.7627 0.7727
0.7826 0.7926 0.8026 0.8125 0.8225
0.8325 0.8424 0.8524 0.8624 0.8723
0.8823 0.8923 0.9022 0.9122 0.9222
0.9321 0.9421 0.9521 0.9620 0.9694
0.9755 0.9816 0.9878 0.9939 1.0000

Transect XS20
Area:
0.0049 0.0168 0.0292 0.0419 0.0549
0.0681 0.0815 0.0953 0.1092 0.1235
0.1380 0.1527 0.1678 0.1830 0.1986
0.2144 0.2304 0.2467 0.2633 0.2802
0.2972 0.3146 0.3322 0.3501 0.3682
0.3866 0.4052 0.4241 0.4433 0.4627
0.4824 0.5024 0.5232 0.5450 0.5680
0.5919 0.6170 0.6430 0.6702 0.6984
0.7270 0.7558 0.7849 0.8145 0.8444
0.8747 0.9054 0.9365 0.9681 1.0000
Hrad:
0.0191 0.0518 0.0874 0.1216 0.1547
0.1867 0.2176 0.2476 0.2767 0.3051
0.3327 0.3595 0.3858 0.4114 0.4365
0.4611 0.4851 0.5088 0.5319 0.5547
0.5771 0.5991 0.6208 0.6421 0.6632
0.6839 0.7044 0.7246 0.7446 0.7644
0.7839 0.7970 0.7930 0.7908 0.7903
0.7912 0.7934 0.7968 0.8012 0.8100
0.8345 0.8574 0.8757 0.8939 0.9119
0.9298 0.9475 0.9651 0.9826 1.0000
Width:
0.3066 0.3828 0.3909 0.3990 0.4070
0.4151 0.4232 0.4312 0.4393 0.4473
0.4554 0.4635 0.4715 0.4796 0.4877
0.4957 0.5038 0.5118 0.5199 0.5280
0.5360 0.5441 0.5522 0.5602 0.5683
0.5763 0.5844 0.5925 0.6005 0.6086
0.6167 0.6310 0.6639 0.6968 0.7298
0.7627 0.7956 0.8285 0.8615 0.8892
0.8938 0.9001 0.9126 0.9251 0.9376
0.9500 0.9625 0.9750 0.9875 1.0000

Transect XS21
Area:
0.0006 0.0025 0.0057 0.0101 0.0158
0.0228 0.0310 0.0405 0.0513 0.0634
0.0767 0.0910 0.1058 0.1210 0.1366
0.1525 0.1688 0.1855 0.2025 0.2200
0.2378 0.2560 0.2745 0.2935 0.3128
0.3325 0.3529 0.3757 0.3998 0.4241
0.4487 0.4737 0.4989 0.5245 0.5503

0.5765 0.6030 0.6297 0.6568 0.6842
0.7122 0.7411 0.7707 0.8011 0.8323
0.8643 0.8970 0.9306 0.9649 1.0000

Hrad:

0.0157 0.0314 0.0470 0.0627 0.0784
0.0941 0.1098 0.1254 0.1411 0.1568
0.1725 0.1948 0.2196 0.2438 0.2674
0.2903 0.3128 0.3347 0.3562 0.3773
0.3979 0.4183 0.4383 0.4579 0.4773
0.4964 0.5146 0.5293 0.5464 0.5642
0.5825 0.6012 0.6201 0.6393 0.6587
0.6782 0.6978 0.7175 0.7372 0.7601
0.7876 0.8142 0.8399 0.8647 0.8889
0.9123 0.9350 0.9572 0.9789 1.0000

Width:

0.0357 0.0714 0.1071 0.1428 0.1785
0.2142 0.2499 0.2856 0.3214 0.3571
0.3928 0.4116 0.4222 0.4328 0.4435
0.4541 0.4647 0.4753 0.4859 0.4966
0.5072 0.5178 0.5284 0.5390 0.5497
0.5603 0.6055 0.6733 0.6818 0.6903
0.6987 0.7072 0.7157 0.7242 0.7327
0.7412 0.7497 0.7581 0.7666 0.7800
0.8020 0.8240 0.8460 0.8680 0.8900
0.9120 0.9340 0.9560 0.9780 1.0000

Transect XS22

Area:

0.0014 0.0053 0.0106 0.0172 0.0249
0.0333 0.0422 0.0517 0.0617 0.0723
0.0834 0.0952 0.1074 0.1202 0.1336
0.1475 0.1620 0.1770 0.1926 0.2088
0.2255 0.2428 0.2606 0.2790 0.2979
0.3174 0.3374 0.3580 0.3792 0.4009
0.4232 0.4460 0.4694 0.4934 0.5179
0.5429 0.5685 0.5950 0.6224 0.6508
0.6801 0.7104 0.7416 0.7740 0.8080
0.8438 0.8812 0.9198 0.9594 1.0000

Hrad:

0.0213 0.0490 0.0758 0.1006 0.1304
0.1625 0.1930 0.2223 0.2506 0.2780
0.3047 0.3307 0.3562 0.3813 0.4059
0.4302 0.4541 0.4778 0.5012 0.5244
0.5474 0.5702 0.5928 0.6153 0.6377
0.6599 0.6820 0.7040 0.7259 0.7477
0.7694 0.7911 0.8127 0.8342 0.8556
0.8770 0.8949 0.9043 0.9145 0.9253
0.9368 0.9488 0.9614 0.9585 0.9537
0.9513 0.9553 0.9700 0.9849 1.0000

Width:

0.0691 0.1123 0.1443 0.1762 0.1967
0.2103 0.2238 0.2373 0.2509 0.2644
0.2779 0.2915 0.3050 0.3185 0.3321
0.3456 0.3592 0.3727 0.3862 0.3998
0.4133 0.4268 0.4404 0.4539 0.4675
0.4810 0.4945 0.5081 0.5216 0.5351
0.5487 0.5622 0.5757 0.5893 0.6028

0.6164 0.6325 0.6556 0.6786 0.7016
0.7247 0.7477 0.7708 0.8082 0.8495
0.8908 0.9267 0.9512 0.9756 1.0000

Transect XS23
Area:
0.0025 0.0097 0.0182 0.0276 0.0379
0.0489 0.0609 0.0737 0.0871 0.1009
0.1149 0.1292 0.1437 0.1585 0.1736
0.1889 0.2045 0.2204 0.2365 0.2529
0.2695 0.2864 0.3035 0.3210 0.3386
0.3566 0.3748 0.3932 0.4120 0.4310
0.4502 0.4697 0.4895 0.5095 0.5298
0.5510 0.5751 0.6025 0.6328 0.6640
0.6956 0.7277 0.7602 0.7931 0.8265
0.8603 0.8946 0.9293 0.9644 1.0000
Hrad:
0.0157 0.0372 0.0632 0.0873 0.1099
0.1313 0.1519 0.1717 0.1961 0.2220
0.2474 0.2721 0.2964 0.3203 0.3437
0.3666 0.3892 0.4114 0.4333 0.4548
0.4760 0.4970 0.5176 0.5380 0.5581
0.5780 0.5977 0.6171 0.6364 0.6554
0.6743 0.6930 0.7115 0.7298 0.7480
0.7695 0.7916 0.8085 0.8217 0.8357
0.8506 0.8660 0.8820 0.8983 0.9149
0.9317 0.9486 0.9657 0.9828 1.0000
Width:
0.1418 0.2270 0.2507 0.2743 0.2980
0.3216 0.3453 0.3689 0.3808 0.3881
0.3954 0.4027 0.4100 0.4173 0.4246
0.4319 0.4392 0.4465 0.4538 0.4611
0.4684 0.4757 0.4830 0.4903 0.4976
0.5049 0.5122 0.5195 0.5269 0.5342
0.5415 0.5488 0.5561 0.5634 0.5707
0.6287 0.7192 0.8098 0.8655 0.8777
0.8899 0.9022 0.9144 0.9266 0.9388
0.9511 0.9633 0.9755 0.9878 1.0000

Transect XS24
Area:
0.0067 0.0174 0.0297 0.0423 0.0551
0.0683 0.0818 0.0956 0.1096 0.1240
0.1386 0.1536 0.1689 0.1844 0.2002
0.2164 0.2328 0.2496 0.2666 0.2839
0.3015 0.3195 0.3377 0.3562 0.3750
0.3941 0.4135 0.4332 0.4532 0.4735
0.4941 0.5150 0.5361 0.5576 0.5794
0.6015 0.6238 0.6465 0.6695 0.6927
0.7163 0.7402 0.7660 0.7938 0.8238
0.8559 0.8903 0.9258 0.9624 1.0000
Hrad:
0.0246 0.0472 0.0779 0.1076 0.1362
0.1639 0.1907 0.2167 0.2421 0.2667
0.2907 0.3142 0.3371 0.3595 0.3814
0.4030 0.4241 0.4448 0.4652 0.4853
0.5051 0.5245 0.5437 0.5626 0.5813

0.5998 0.6180 0.6360 0.6538 0.6715
0.6889 0.7062 0.7234 0.7403 0.7572
0.7739 0.7904 0.8068 0.8232 0.8394
0.8554 0.8738 0.8936 0.9105 0.9248
0.9376 0.9534 0.9691 0.9847 1.0000
Width:
0.2354 0.3187 0.3264 0.3342 0.3420
0.3498 0.3576 0.3654 0.3731 0.3809
0.3887 0.3965 0.4043 0.4120 0.4198
0.4276 0.4354 0.4432 0.4510 0.4587
0.4665 0.4743 0.4821 0.4899 0.4976
0.5054 0.5132 0.5210 0.5288 0.5366
0.5443 0.5521 0.5599 0.5677 0.5755
0.5832 0.5910 0.5988 0.6066 0.6144
0.6222 0.6482 0.7034 0.7587 0.8140
0.8726 0.9205 0.9470 0.9735 1.0000

Transect XS25
Area:
0.0009 0.0036 0.0082 0.0146 0.0228
0.0326 0.0429 0.0537 0.0648 0.0764
0.0883 0.1007 0.1134 0.1266 0.1401
0.1541 0.1684 0.1832 0.1983 0.2139
0.2298 0.2462 0.2629 0.2801 0.2976
0.3156 0.3339 0.3527 0.3718 0.3914
0.4113 0.4316 0.4525 0.4744 0.4977
0.5223 0.5482 0.5754 0.6040 0.6339
0.6651 0.6976 0.7314 0.7662 0.8023
0.8395 0.8779 0.9174 0.9581 1.0000
Hrad:
0.0217 0.0434 0.0651 0.0868 0.1085
0.1391 0.1758 0.2111 0.2452 0.2783
0.3104 0.3418 0.3723 0.4022 0.4315
0.4602 0.4884 0.5161 0.5434 0.5702
0.5968 0.6229 0.6488 0.6744 0.6997
0.7248 0.7496 0.7742 0.7986 0.8228
0.8469 0.8707 0.8816 0.8721 0.8660
0.8627 0.8617 0.8629 0.8658 0.8703
0.8762 0.8858 0.8983 0.9114 0.9251
0.9392 0.9538 0.9689 0.9843 1.0000
Width:
0.0429 0.0858 0.1287 0.1717 0.2146
0.2390 0.2484 0.2578 0.2673 0.2767
0.2861 0.2955 0.3049 0.3144 0.3238
0.3332 0.3426 0.3521 0.3615 0.3709
0.3803 0.3897 0.3992 0.4086 0.4180
0.4274 0.4368 0.4463 0.4557 0.4651
0.4745 0.4839 0.5012 0.5324 0.5636
0.5948 0.6260 0.6573 0.6885 0.7197
0.7509 0.7802 0.8077 0.8351 0.8626
0.8901 0.9176 0.9450 0.9725 1.0000

Transect XS26
Area:
0.0007 0.0029 0.0065 0.0116 0.0182
0.0262 0.0355 0.0456 0.0564 0.0678
0.0799 0.0926 0.1060 0.1200 0.1347

0.1501 0.1661 0.1828 0.2001 0.2181
0.2367 0.2561 0.2760 0.2967 0.3179
0.3399 0.3625 0.3857 0.4096 0.4342
0.4590 0.4843 0.5099 0.5359 0.5622
0.5889 0.6159 0.6433 0.6711 0.6992
0.7276 0.7565 0.7857 0.8152 0.8451
0.8754 0.9060 0.9370 0.9683 1.0000
Hrad:
0.0195 0.0389 0.0584 0.0779 0.0974
0.1168 0.1410 0.1683 0.1942 0.2191
0.2431 0.2663 0.2889 0.3109 0.3325
0.3537 0.3746 0.3951 0.4154 0.4354
0.4553 0.4749 0.4944 0.5137 0.5329
0.5520 0.5709 0.5898 0.6085 0.6292
0.6507 0.6717 0.6923 0.7126 0.7325
0.7521 0.7713 0.7903 0.8090 0.8274
0.8456 0.8635 0.8813 0.8988 0.9161
0.9332 0.9502 0.9669 0.9835 1.0000
Width:
0.0456 0.0912 0.1369 0.1825 0.2281
0.2737 0.3064 0.3271 0.3477 0.3684
0.3890 0.4097 0.4303 0.4510 0.4716
0.4922 0.5129 0.5335 0.5542 0.5748
0.5955 0.6161 0.6368 0.6574 0.6781
0.6987 0.7193 0.7400 0.7606 0.7753
0.7865 0.7977 0.8090 0.8202 0.8315
0.8427 0.8539 0.8652 0.8764 0.8876
0.8989 0.9101 0.9213 0.9326 0.9438
0.9551 0.9663 0.9775 0.9888 1.0000

Transect XS27
Area:
0.0015 0.0058 0.0131 0.0232 0.0355
0.0484 0.0616 0.0752 0.0892 0.1037
0.1186 0.1338 0.1495 0.1656 0.1821
0.1990 0.2163 0.2341 0.2522 0.2708
0.2897 0.3091 0.3289 0.3491 0.3697
0.3907 0.4121 0.4340 0.4562 0.4789
0.5019 0.5254 0.5493 0.5735 0.5981
0.6229 0.6480 0.6734 0.6991 0.7251
0.7513 0.7778 0.8046 0.8317 0.8590
0.8867 0.9146 0.9428 0.9712 1.0000
Hrad:
0.0189 0.0378 0.0567 0.0757 0.1056
0.1376 0.1679 0.1970 0.2249 0.2517
0.2776 0.3027 0.3270 0.3506 0.3736
0.3961 0.4180 0.4394 0.4604 0.4810
0.5013 0.5212 0.5408 0.5601 0.5791
0.5979 0.6165 0.6348 0.6529 0.6708
0.6886 0.7062 0.7236 0.7414 0.7593
0.7768 0.7942 0.8112 0.8280 0.8446
0.8610 0.8771 0.8931 0.9089 0.9244
0.9399 0.9551 0.9702 0.9852 1.0000
Width:
0.1004 0.2008 0.3013 0.4017 0.4362
0.4504 0.4646 0.4788 0.4930 0.5072
0.5214 0.5356 0.5498 0.5640 0.5782

0.5924 0.6066 0.6208 0.6350 0.6492
0.6634 0.6776 0.6918 0.7060 0.7202
0.7344 0.7486 0.7628 0.7770 0.7912
0.8054 0.8196 0.8338 0.8449 0.8546
0.8643 0.8740 0.8837 0.8934 0.9031
0.9128 0.9225 0.9322 0.9418 0.9515
0.9612 0.9709 0.9806 0.9903 1.0000

Transect XS28
Area:
0.0008 0.0034 0.0075 0.0134 0.0209
0.0302 0.0411 0.0535 0.0669 0.0811
0.0962 0.1117 0.1275 0.1435 0.1598
0.1763 0.1931 0.2101 0.2274 0.2450
0.2628 0.2808 0.2991 0.3176 0.3364
0.3555 0.3748 0.3943 0.4141 0.4342
0.4545 0.4750 0.4958 0.5169 0.5382
0.5603 0.5831 0.6067 0.6315 0.6579
0.6859 0.7154 0.7466 0.7794 0.8137
0.8496 0.8862 0.9236 0.9616 1.0000
Hrad:
0.0253 0.0506 0.0759 0.1012 0.1264
0.1517 0.1770 0.2073 0.2417 0.2744
0.3061 0.3446 0.3815 0.4170 0.4512
0.4842 0.5161 0.5470 0.5769 0.6060
0.6343 0.6619 0.6887 0.7149 0.7405
0.7656 0.7901 0.8141 0.8377 0.8608
0.8835 0.9059 0.9278 0.9494 0.9706
0.9905 1.0090 1.0262 1.0212 1.0172
1.0144 1.0129 1.0126 1.0134 1.0152
1.0254 1.0457 1.0654 1.0851 1.0000
Width:
0.0435 0.0869 0.1304 0.1739 0.2173
0.2608 0.3043 0.3370 0.3580 0.3790
0.3995 0.4061 0.4126 0.4191 0.4256
0.4321 0.4386 0.4452 0.4517 0.4582
0.4647 0.4712 0.4777 0.4843 0.4908
0.4973 0.5038 0.5103 0.5169 0.5234
0.5299 0.5364 0.5429 0.5494 0.5608
0.5815 0.6022 0.6230 0.6639 0.7052
0.7464 0.7877 0.8289 0.8702 0.9114
0.9428 0.9603 0.9779 0.9915 1.0000

Transect XS29
Area:
0.0007 0.0026 0.0059 0.0105 0.0164
0.0236 0.0321 0.0419 0.0529 0.0646
0.0769 0.0900 0.1037 0.1181 0.1332
0.1489 0.1654 0.1824 0.1998 0.2176
0.2356 0.2541 0.2728 0.2919 0.3114
0.3312 0.3514 0.3719 0.3927 0.4139
0.4355 0.4573 0.4796 0.5021 0.5251
0.5483 0.5720 0.5959 0.6203 0.6462
0.6738 0.7030 0.7338 0.7663 0.8005
0.8364 0.8739 0.9136 0.9560 1.0000
Hrad:
0.0231 0.0461 0.0692 0.0922 0.1153

0.1383 0.1614 0.1844 0.2148 0.2468
0.2776 0.3075 0.3366 0.3651 0.3930
0.4204 0.4473 0.4801 0.5140 0.5473
0.5801 0.6123 0.6440 0.6752 0.7059
0.7362 0.7662 0.7957 0.8249 0.8538
0.8823 0.9105 0.9385 0.9661 0.9935
1.0207 1.0476 1.0743 1.0782 1.0565
1.0398 1.0273 1.0183 1.0124 1.0091
1.0081 1.0067 0.9881 0.9797 1.0000

Width:

0.0294 0.0588 0.0882 0.1176 0.1470
0.1763 0.2057 0.2351 0.2542 0.2695
0.2848 0.3001 0.3154 0.3307 0.3460
0.3614 0.3767 0.3861 0.3939 0.4016
0.4094 0.4172 0.4249 0.4327 0.4404
0.4482 0.4560 0.4637 0.4715 0.4792
0.4870 0.4948 0.5025 0.5103 0.5180
0.5258 0.5336 0.5413 0.5618 0.5991
0.6363 0.6736 0.7108 0.7480 0.7853
0.8225 0.8620 0.9212 0.9747 1.0000

Transect XS3

Area:

0.0013 0.0052 0.0118 0.0210 0.0328
0.0472 0.0643 0.0829 0.1019 0.1211
0.1404 0.1598 0.1794 0.1991 0.2190
0.2390 0.2591 0.2794 0.2999 0.3204
0.3411 0.3620 0.3830 0.4041 0.4254
0.4468 0.4684 0.4901 0.5119 0.5339
0.5560 0.5783 0.6007 0.6232 0.6459
0.6687 0.6917 0.7148 0.7380 0.7614
0.7849 0.8086 0.8324 0.8562 0.8801
0.9040 0.9279 0.9519 0.9759 1.0000

Hrad:

0.0141 0.0282 0.0423 0.0565 0.0706
0.0847 0.1000 0.1230 0.1495 0.1755
0.2011 0.2263 0.2512 0.2757 0.2999
0.3237 0.3472 0.3703 0.3932 0.4158
0.4381 0.4601 0.4818 0.5033 0.5245
0.5455 0.5662 0.5867 0.6070 0.6271
0.6469 0.6666 0.6860 0.7053 0.7243
0.7432 0.7619 0.7804 0.7988 0.8169
0.8349 0.8528 0.8716 0.8906 0.9093
0.9279 0.9462 0.9643 0.9823 1.0000

Width:

0.1090 0.2179 0.3269 0.4359 0.5449
0.6538 0.7532 0.7868 0.7926 0.7985
0.8043 0.8102 0.8160 0.8219 0.8277
0.8336 0.8394 0.8453 0.8511 0.8570
0.8628 0.8687 0.8745 0.8804 0.8862
0.8921 0.8980 0.9038 0.9097 0.9155
0.9214 0.9272 0.9331 0.9389 0.9448
0.9506 0.9565 0.9623 0.9682 0.9740
0.9799 0.9857 0.9883 0.9900 0.9917
0.9933 0.9950 0.9967 0.9983 1.0000

Transect XS4

Area:

0.0019	0.0075	0.0157	0.0251	0.0354
0.0467	0.0590	0.0723	0.0866	0.1019
0.1181	0.1351	0.1523	0.1698	0.1877
0.2058	0.2243	0.2430	0.2621	0.2814
0.3011	0.3210	0.3413	0.3618	0.3827
0.4039	0.4253	0.4471	0.4692	0.4916
0.5142	0.5372	0.5605	0.5841	0.6080
0.6321	0.6566	0.6814	0.7065	0.7319
0.7576	0.7836	0.8099	0.8365	0.8633
0.8903	0.9175	0.9448	0.9723	1.0000

Hrad:

0.0152	0.0304	0.0540	0.0770	0.0985
0.1187	0.1381	0.1568	0.1749	0.1926
0.2100	0.2350	0.2595	0.2836	0.3072
0.3303	0.3531	0.3754	0.3974	0.4191
0.4404	0.4615	0.4822	0.5027	0.5229
0.5428	0.5625	0.5820	0.6013	0.6204
0.6392	0.6579	0.6764	0.6947	0.7129
0.7309	0.7487	0.7664	0.7840	0.8014
0.8187	0.8359	0.8530	0.8712	0.8929
0.9146	0.9361	0.9575	0.9788	1.0000

Width:

0.1342	0.2683	0.3175	0.3534	0.3893
0.4251	0.4610	0.4969	0.5328	0.5686
0.6044	0.6153	0.6262	0.6371	0.6480
0.6589	0.6697	0.6806	0.6915	0.7024
0.7133	0.7242	0.7351	0.7460	0.7569
0.7677	0.7786	0.7895	0.8004	0.8113
0.8222	0.8331	0.8440	0.8549	0.8658
0.8766	0.8875	0.8984	0.9093	0.9202
0.9311	0.9420	0.9529	0.9626	0.9688
0.9750	0.9813	0.9875	0.9938	1.0000

Transect XS5

Area:

0.0015	0.0061	0.0138	0.0246	0.0384
0.0542	0.0703	0.0866	0.1032	0.1201
0.1372	0.1546	0.1723	0.1902	0.2083
0.2268	0.2454	0.2644	0.2836	0.3030
0.3228	0.3427	0.3630	0.3834	0.4042
0.4252	0.4465	0.4680	0.4898	0.5118
0.5341	0.5567	0.5795	0.6026	0.6259
0.6495	0.6732	0.6972	0.7213	0.7457
0.7702	0.7950	0.8199	0.8451	0.8704
0.8959	0.9216	0.9476	0.9737	1.0000

Hrad:

0.0164	0.0328	0.0492	0.0656	0.0821
0.1103	0.1392	0.1672	0.1942	0.2203
0.2456	0.2702	0.2941	0.3174	0.3401
0.3622	0.3837	0.4048	0.4254	0.4456
0.4653	0.4847	0.5037	0.5224	0.5407
0.5587	0.5764	0.5939	0.6111	0.6280
0.6447	0.6612	0.6774	0.6935	0.7094
0.7296	0.7497	0.7696	0.7895	0.8092
0.8287	0.8482	0.8675	0.8868	0.9059
0.9249	0.9439	0.9627	0.9814	1.0000

Width:

0.1162	0.2325	0.3487	0.4649	0.5811
0.6044	0.6142	0.6240	0.6338	0.6436
0.6534	0.6632	0.6729	0.6827	0.6925
0.7023	0.7121	0.7219	0.7317	0.7415
0.7513	0.7611	0.7709	0.7806	0.7904
0.8002	0.8100	0.8198	0.8296	0.8394
0.8492	0.8590	0.8688	0.8786	0.8883
0.8958	0.9032	0.9107	0.9181	0.9255
0.9330	0.9404	0.9479	0.9553	0.9628
0.9702	0.9777	0.9851	0.9926	1.0000

Transect XS6

Area:

0.0004	0.0016	0.0036	0.0063	0.0099
0.0142	0.0194	0.0253	0.0321	0.0396
0.0479	0.0570	0.0669	0.0776	0.0890
0.1013	0.1144	0.1282	0.1428	0.1583
0.1745	0.1915	0.2093	0.2279	0.2473
0.2675	0.2885	0.3102	0.3328	0.3561
0.3803	0.4052	0.4309	0.4574	0.4847
0.5128	0.5417	0.5714	0.6018	0.6331
0.6652	0.6983	0.7324	0.7676	0.8037
0.8409	0.8792	0.9184	0.9587	1.0000

Hrad:

0.0202	0.0405	0.0607	0.0810	0.1012
0.1215	0.1417	0.1619	0.1822	0.2024
0.2227	0.2429	0.2632	0.2834	0.3037
0.3239	0.3441	0.3644	0.3846	0.4049
0.4251	0.4454	0.4656	0.4858	0.5061
0.5263	0.5466	0.5668	0.5871	0.6073
0.6276	0.6478	0.6680	0.6883	0.7085
0.7288	0.7490	0.7693	0.7895	0.8097
0.8299	0.8497	0.8691	0.8882	0.9070
0.9255	0.9437	0.9617	0.9795	1.0000

Width:

0.0190	0.0380	0.0570	0.0759	0.0949
0.1139	0.1329	0.1519	0.1709	0.1899
0.2088	0.2278	0.2468	0.2658	0.2848
0.3038	0.3228	0.3417	0.3607	0.3797
0.3987	0.4177	0.4367	0.4556	0.4746
0.4936	0.5126	0.5316	0.5506	0.5696
0.5885	0.6075	0.6265	0.6455	0.6645
0.6835	0.7025	0.7214	0.7404	0.7597
0.7816	0.8062	0.8309	0.8555	0.8802
0.9048	0.9294	0.9541	0.9787	1.0000

Transect XS7

Area:

0.0004	0.0016	0.0035	0.0063	0.0098
0.0141	0.0192	0.0251	0.0317	0.0392
0.0474	0.0564	0.0662	0.0768	0.0882
0.1003	0.1132	0.1270	0.1414	0.1567
0.1728	0.1896	0.2073	0.2257	0.2449
0.2649	0.2856	0.3072	0.3295	0.3526
0.3765	0.4012	0.4267	0.4529	0.4800
0.5078	0.5364	0.5658	0.5960	0.6269

0.6588 0.6919 0.7262 0.7616 0.7983
0.8362 0.8754 0.9157 0.9572 1.0000
Hrad:
0.0206 0.0412 0.0617 0.0823 0.1029
0.1235 0.1441 0.1646 0.1852 0.2058
0.2264 0.2470 0.2675 0.2881 0.3087
0.3293 0.3499 0.3704 0.3910 0.4116
0.4322 0.4528 0.4733 0.4939 0.5145
0.5351 0.5557 0.5762 0.5968 0.6174
0.6380 0.6586 0.6791 0.6997 0.7203
0.7409 0.7615 0.7820 0.8026 0.8232
0.8435 0.8631 0.8819 0.9002 0.9178
0.9349 0.9515 0.9677 0.9834 1.0000
Width:
0.0181 0.0362 0.0543 0.0724 0.0905
0.1086 0.1267 0.1448 0.1629 0.1810
0.1991 0.2173 0.2354 0.2535 0.2716
0.2897 0.3078 0.3259 0.3440 0.3621
0.3802 0.3983 0.4164 0.4345 0.4526
0.4707 0.4888 0.5069 0.5250 0.5431
0.5612 0.5793 0.5974 0.6156 0.6337
0.6518 0.6699 0.6880 0.7061 0.7252
0.7498 0.7778 0.8058 0.8338 0.8618
0.8898 0.9178 0.9458 0.9738 1.0000

Transect XS8
Area:
0.0009 0.0035 0.0078 0.0139 0.0216
0.0312 0.0424 0.0554 0.0701 0.0866
0.1047 0.1247 0.1456 0.1668 0.1880
0.2094 0.2309 0.2525 0.2742 0.2961
0.3181 0.3402 0.3624 0.3848 0.4073
0.4299 0.4526 0.4755 0.4985 0.5216
0.5448 0.5682 0.5916 0.6152 0.6389
0.6627 0.6865 0.7103 0.7342 0.7581
0.7821 0.8061 0.8302 0.8543 0.8785
0.9027 0.9269 0.9512 0.9756 1.0000
Hrad:
0.0163 0.0326 0.0490 0.0653 0.0816
0.0979 0.1143 0.1306 0.1469 0.1632
0.1796 0.1959 0.2240 0.2527 0.2807
0.3082 0.3350 0.3613 0.3871 0.4123
0.4370 0.4612 0.4850 0.5083 0.5312
0.5537 0.5758 0.5975 0.6189 0.6399
0.6605 0.6808 0.7008 0.7205 0.7403
0.7597 0.7789 0.7976 0.8161 0.8342
0.8521 0.8696 0.8868 0.9038 0.9205
0.9369 0.9530 0.9689 0.9846 1.0000
Width:
0.0709 0.1418 0.2127 0.2835 0.3544
0.4253 0.4962 0.5671 0.6380 0.7089
0.7797 0.8506 0.8622 0.8673 0.8723
0.8774 0.8825 0.8876 0.8926 0.8977
0.9028 0.9079 0.9129 0.9180 0.9231
0.9282 0.9332 0.9383 0.9434 0.9485
0.9535 0.9586 0.9637 0.9688 0.9711
0.9730 0.9749 0.9768 0.9788 0.9807

```
            0.9826     0.9846     0.9865     0.9884     0.9904
            0.9923     0.9942     0.9961     0.9981     1.0000

Transect XS9
Area:
            0.0006     0.0026     0.0058     0.0103     0.0161
            0.0232     0.0316     0.0412     0.0522     0.0644
            0.0779     0.0926     0.1079     0.1239     0.1404
            0.1575     0.1753     0.1936     0.2125     0.2321
            0.2522     0.2728     0.2938     0.3152     0.3371
            0.3593     0.3819     0.4050     0.4284     0.4523
            0.4765     0.5012     0.5262     0.5517     0.5775
            0.6038     0.6305     0.6576     0.6850     0.7129
            0.7408     0.7690     0.7973     0.8258     0.8544
            0.8832     0.9122     0.9413     0.9706     1.0000
Hrad:
            0.0150     0.0301     0.0451     0.0602     0.0752
            0.0903     0.1053     0.1204     0.1354     0.1505
            0.1655     0.1854     0.2076     0.2293     0.2505
            0.2712     0.2916     0.3115     0.3312     0.3505
            0.3699     0.3920     0.4139     0.4355     0.4568
            0.4778     0.4986     0.5191     0.5395     0.5596
            0.5796     0.5993     0.6189     0.6383     0.6575
            0.6766     0.6955     0.7143     0.7330     0.7560
            0.7809     0.8058     0.8305     0.8551     0.8795
            0.9038     0.9281     0.9522     0.9761     1.0000
Width:
            0.0436     0.0873     0.1309     0.1746     0.2182
            0.2619     0.3055     0.3491     0.3928     0.4364
            0.4801     0.5093     0.5296     0.5499     0.5703
            0.5906     0.6110     0.6313     0.6516     0.6720
            0.6918     0.7055     0.7191     0.7328     0.7465
            0.7601     0.7738     0.7875     0.8011     0.8148
            0.8285     0.8421     0.8558     0.8695     0.8831
            0.8968     0.9105     0.9241     0.9378     0.9459
            0.9513     0.9567     0.9621     0.9675     0.9730
            0.9784     0.9838     0.9892     0.9946     1.0000


*********************************************************
NOTE: The summary statistics displayed in this report are
based on results found at every computational time step,
not just on results from each reporting time step.
*********************************************************

****************
Analysis Options
****************
Flow Units ..... CFS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ YES
  Water Quality .......... NO
```

Flow Routing Method ..... DYNWAVE
Surcharge Method ..... EXTRAN
Starting Date 11/01/2021 00:00:00
Ending Date 11/01/2021 12:00:00
Antecedent Dry Days 0.0
Report Time Step 00:03:00
Routing Time Step ..... 5.00 sec
Variable Time Step ..... YES
Maximum Trials 8
Number of Threads 6
Head Tolerance ..... 0.005000 ft

Flow Routing Continuity	Volume acre-feet	Volume 10^6 gal
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	0.000	0.000
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	77.213	25.161
External Outflow	76.125	24.806
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.001	0.000
Final Stored Volume	1.173	0.382
Continuity Error (%)	-0.108	

Highest Continuity Errors
Node J107 (5.87%)
Node J90 (-1.58%)

Time-Step Critical Elements
Link C145 (59.77%)
Link C4_1 (17.56%)
Link C103 (4.89%)
Link C177 (4.73%)
Link C79 (3.81%)

Highest Flow Instability Indexes
Link C4_1 (59)
Link C4 (46)
Link C4_2 (25)
Link C18 (19)
Link C19 (18)

****
Routing Time Step Summary
****

Minimum Time Step	:	0.50 sec
Average Time Step	:	0.94 sec
Maximum Time Step	:	5.00 sec
Percent in Steady State	:	-0.00
Average Iterations per Step	:	2.27
Percent Not Converging	:	1.61
Time Step Frequencies	:	
5.000 - 3.155 sec	:	1.51 %
3.155 - 1.991 sec	:	12.40 %
1.991 - 1.256 sec	:	8.18 %
1.256 - 0.792 sec	:	4.80 %
0.792 - 0.500 sec	:	73.11 %

****
Node Depth Summary
****

Node	Type	Average Depth Feet	Maximum Depth Feet	Maximum HGL Feet	Time of Max Occurrence days hr:min	Reported Max Depth Feet
J1	JUNCTION	0.90	2.75	851.14	0 03:28	2.75
J10	JUNCTION	0.88	3.93	882.97	0 03:13	3.90
J100	JUNCTION	0.49	1.42	907.03	0 03:10	1.41
J101	JUNCTION	1.75	7.76	971.04	0 03:09	7.76
J102	JUNCTION	0.34	1.30	999.49	0 03:03	1.30
J103	JUNCTION	0.04	0.12	996.13	0 03:03	0.12
J104	JUNCTION	0.27	3.22	983.31	0 03:02	2.65
J105	JUNCTION	0.32	3.47	982.55	0 03:03	3.42
J106	JUNCTION	1.12	5.39	982.33	0 03:09	5.39
J107	JUNCTION	0.04	0.43	991.21	0 03:07	0.43
J108	JUNCTION	2.58	11.28	1019.28	0 03:10	11.27
J109	JUNCTION	0.00	0.00	978.18	0 00:00	0.00
J11	JUNCTION	0.69	1.85	900.26	0 03:19	1.85
J110	JUNCTION	1.29	5.82	1019.82	0 03:09	5.82
J111	JUNCTION	2.73	11.48	1019.28	0 03:10	11.48
J112	JUNCTION	0.00	0.00	998.36	0 00:00	0.00
J113	JUNCTION	0.35	4.35	1041.59	0 03:08	4.35
J114	JUNCTION	0.00	0.00	891.30	0 00:00	0.00
J115	JUNCTION	0.00	0.00	892.11	0 00:00	0.00
J116	JUNCTION	0.00	0.00	894.30	0 00:00	0.00
J117	JUNCTION	1.34	4.77	886.86	0 03:09	4.77
J118	JUNCTION	0.42	1.24	892.03	0 03:06	1.24
J119	JUNCTION	0.62	1.48	892.11	0 03:06	1.48
J12	JUNCTION	0.50	1.47	897.42	0 03:09	1.47
J120	JUNCTION	0.26	1.02	892.49	0 03:06	1.02
J121	JUNCTION	0.01	0.36	892.49	0 03:06	0.36
J122	JUNCTION	0.17	0.66	894.57	0 03:06	0.66
J123	JUNCTION	0.00	0.00	893.13	0 00:00	0.00
J124	JUNCTION	0.00	0.00	893.48	0 00:00	0.00
J125	JUNCTION	0.26	1.04	882.69	0 03:06	1.04
J126	JUNCTION	0.45	2.36	879.98	0 03:06	2.35

J127	JUNCTION	0.00	0.00	884.30	0	00:00	0.00
J128	JUNCTION	0.00	0.00	882.80	0	00:00	0.00
J129	JUNCTION	0.26	1.03	878.08	0	03:06	1.03
J13	JUNCTION	0.88	4.85	865.21	0	03:12	4.67
J130	JUNCTION	0.38	1.83	864.70	0	03:05	1.83
J131	JUNCTION	0.28	1.34	863.00	0	03:12	1.32
J132	JUNCTION	0.50	2.13	994.03	0	03:09	2.10
J133	JUNCTION	0.47	3.89	987.68	0	03:09	3.69
J134	JUNCTION	2.17	2.42	1045.21	0	03:09	2.42
J135	JUNCTION	0.81	6.91	984.00	0	03:09	6.76
J136	JUNCTION	0.53	4.56	978.02	0	03:09	4.49
J137	JUNCTION	0.50	2.82	973.53	0	03:09	2.82
J138	JUNCTION	0.60	3.99	975.37	0	03:09	3.95
J139	JUNCTION	0.42	2.12	961.62	0	03:15	2.12
J14	JUNCTION	1.32	6.19	865.01	0	03:12	6.02
J140	JUNCTION	1.19	11.74	942.89	0	03:17	11.74
J141	JUNCTION	0.71	3.90	933.39	0	03:17	3.90
J142	JUNCTION	0.32	9.14	1056.10	0	03:11	9.14
J143	JUNCTION	0.47	2.71	1036.68	0	03:12	2.71
J144	JUNCTION	0.45	4.27	971.04	0	03:09	4.27
J145	JUNCTION	0.34	3.41	971.06	0	03:09	3.38
J146	JUNCTION	0.34	3.40	971.05	0	03:09	3.38
J147	JUNCTION	0.59	9.85	1056.10	0	03:11	9.85
J148	JUNCTION	0.77	1.65	930.73	0	03:09	1.65
J149	JUNCTION	0.13	2.12	1076.00	0	03:08	2.12
J15	JUNCTION	0.78	3.72	862.16	0	03:12	3.63
J150	JUNCTION	0.77	10.10	1056.10	0	03:12	10.09
J151	JUNCTION	0.58	1.19	997.69	0	03:48	1.19
J152	JUNCTION	0.27	2.92	985.50	0	03:36	2.73
J153	JUNCTION	1.75	6.16	985.48	0	03:35	5.98
J154	JUNCTION	0.55	2.72	979.53	0	03:09	2.66
J155	JUNCTION	0.60	3.53	980.69	0	03:09	3.44
J156	JUNCTION	0.39	3.17	981.81	0	03:10	3.06
J157	JUNCTION	0.43	2.79	983.56	0	03:10	2.65
J158	JUNCTION	1.53	2.83	983.63	0	03:09	2.82
J159	JUNCTION	0.44	2.42	1004.58	0	03:09	2.41
J16	JUNCTION	1.27	4.82	861.75	0	03:12	4.72
J160	JUNCTION	0.00	0.00	1029.71	0	00:00	0.00
J161	JUNCTION	0.00	0.00	1014.00	0	00:00	0.00
J162	JUNCTION	0.83	3.71	1007.69	0	03:09	3.71
J163	JUNCTION	0.00	0.00	1008.97	0	00:00	0.00
J164	JUNCTION	0.00	0.00	1009.11	0	00:00	0.00
J165	JUNCTION	0.00	0.00	1011.41	0	00:00	0.00
J166	JUNCTION	0.25	1.27	977.27	0	03:10	1.26
J167	JUNCTION	0.16	0.69	966.61	0	03:10	0.69
J168	JUNCTION	0.00	0.00	912.61	0	00:00	0.00
J169	JUNCTION	0.00	0.00	912.00	0	00:00	0.00
J17	JUNCTION	0.70	3.54	858.12	0	03:12	3.48
J170	JUNCTION	0.00	0.00	908.86	0	00:00	0.00
J171	JUNCTION	0.00	0.00	905.27	0	00:00	0.00
J172	JUNCTION	0.31	1.18	903.08	0	03:09	1.18
J173	JUNCTION	0.00	0.00	910.94	0	00:00	0.00
J174	JUNCTION	0.00	0.00	909.90	0	00:00	0.00
J175	JUNCTION	0.00	0.00	908.08	0	00:00	0.00
J176	JUNCTION	0.00	0.00	901.94	0	00:00	0.00
J177	JUNCTION	0.00	0.00	900.54	0	00:00	0.00
J178	JUNCTION	0.00	0.00	903.72	0	00:00	0.00

J179	JUNCTION	0.00	0.00	898.29	0	00:00	0.00
J18	JUNCTION	0.95	4.07	857.62	0	03:12	4.02
J180	JUNCTION	0.51	2.18	897.50	0	03:09	2.18
J181	JUNCTION	0.12	1.71	891.71	0	03:06	1.68
J182	JUNCTION	0.52	2.26	890.69	0	03:06	2.24
J183	JUNCTION	0.00	0.00	884.34	0	00:00	0.00
J184	JUNCTION	0.00	0.28	862.19	0	03:13	0.15
J185	JUNCTION	0.00	0.00	927.55	0	00:00	0.00
J186	JUNCTION	0.01	0.20	926.40	0	03:09	0.19
J187	JUNCTION	0.37	1.90	1013.69	0	03:09	1.90
J19	JUNCTION	0.87	2.74	851.14	0	03:29	2.74
J2	JUNCTION	1.21	4.62	865.83	0	03:12	4.53
J20	JUNCTION	1.06	2.67	847.99	0	03:29	2.67
J21	JUNCTION	1.06	3.51	867.10	0	03:12	3.51
J22	JUNCTION	1.42	6.28	870.26	0	03:12	6.28
J23	JUNCTION	1.63	6.42	870.28	0	03:12	6.42
J24	JUNCTION	1.52	5.41	870.25	0	03:12	5.41
J25	JUNCTION	1.29	4.62	870.46	0	03:12	4.62
J26	JUNCTION	0.77	3.17	871.13	0	03:11	3.17
J27	JUNCTION	1.04	2.86	874.40	0	03:11	2.86
J28	JUNCTION	0.62	4.21	947.42	0	03:06	4.21
J29	JUNCTION	1.13	6.51	933.20	0	03:14	6.51
J3	JUNCTION	0.74	2.45	855.60	0	03:13	2.44
J30	JUNCTION	1.08	4.56	926.58	0	03:09	4.56
J31	JUNCTION	2.13	6.77	926.39	0	03:09	6.77
J32	JUNCTION	1.63	6.14	925.41	0	03:10	6.13
J33	JUNCTION	1.36	6.76	924.50	0	03:11	6.76
J34	JUNCTION	1.47	8.44	907.66	0	03:11	8.43
J35	JUNCTION	1.01	7.56	916.11	0	03:11	7.56
J36	JUNCTION	0.74	2.37	900.08	0	03:11	2.35
J37	JUNCTION	0.40	1.38	898.31	0	03:11	1.37
J38	JUNCTION	0.98	4.14	891.27	0	03:11	4.14
J39	JUNCTION	0.77	2.09	887.76	0	03:11	2.09
J4	JUNCTION	1.48	6.33	860.75	0	03:14	6.31
J40	JUNCTION	0.39	1.60	905.16	0	03:09	1.60
J41	JUNCTION	4.59	6.54	900.99	0	03:09	6.54
J42	JUNCTION	0.54	1.63	899.90	0	03:09	1.63
J43	JUNCTION	0.42	1.90	897.04	0	03:06	1.89
J44	JUNCTION	0.46	2.31	891.70	0	03:06	2.29
J45	JUNCTION	0.85	2.53	889.88	0	03:07	2.51
J46	JUNCTION	0.83	7.08	1036.31	0	03:09	7.03
J47	JUNCTION	0.67	6.14	1035.17	0	03:09	6.08
J48	JUNCTION	0.66	4.79	1033.02	0	03:09	4.73
J49	JUNCTION	0.35	1.36	1028.54	0	03:09	1.35
J5	JUNCTION	0.58	2.31	856.16	0	03:13	2.30
J50	JUNCTION	0.45	2.00	1013.69	0	03:09	2.00
J51	JUNCTION	0.44	1.84	1007.16	0	03:09	1.83
J52	JUNCTION	0.48	2.55	999.24	0	03:09	2.53
J53	JUNCTION	0.35	7.32	1079.73	0	03:08	7.26
J54	JUNCTION	0.95	16.54	1087.26	0	03:07	16.22
J55	JUNCTION	1.41	20.69	1086.29	0	03:07	20.22
J56	JUNCTION	1.81	19.25	1069.85	0	03:09	19.22
J57	JUNCTION	0.50	2.08	1016.97	0	03:07	2.07
J58	JUNCTION	0.16	0.55	1046.30	0	03:09	0.55
J59	JUNCTION	0.86	6.89	1041.41	0	03:09	6.89
J6	JUNCTION	0.66	1.84	868.24	0	03:13	1.84
J60	JUNCTION	0.96	5.36	1026.86	0	03:07	5.36

J61	JUNCTION	1.20	4.95	1007.55	0	03:07	4.95
J62	JUNCTION	1.19	5.62	1007.40	0	03:07	5.61
J63	JUNCTION	0.42	1.62	997.47	0	03:08	1.62
J64	JUNCTION	1.31	5.81	992.61	0	03:08	5.81
J65	JUNCTION	0.71	2.29	988.83	0	03:08	2.29
J66	JUNCTION	1.31	4.85	983.71	0	03:09	4.85
J67	JUNCTION	0.63	2.86	985.23	0	03:08	2.86
J68	JUNCTION	1.09	6.24	983.21	0	03:05	6.24
J69	JUNCTION	1.10	6.18	982.55	0	03:09	6.18
J7	JUNCTION	3.01	8.50	883.88	0	03:08	8.28
J70	JUNCTION	1.65	8.39	981.80	0	03:09	8.39
J71	JUNCTION	0.13	0.56	970.22	0	03:09	0.56
J72	JUNCTION	0.24	9.59	1065.21	0	03:12	9.52
J74	JUNCTION	0.39	12.94	1065.23	0	03:11	12.93
J75	JUNCTION	0.35	12.22	1065.23	0	03:11	12.20
J76	JUNCTION	0.32	11.56	1065.24	0	03:11	11.54
J77	JUNCTION	1.65	5.96	1034.42	0	03:11	5.96
J78	JUNCTION	1.70	9.64	1031.08	0	03:09	9.64
J79	JUNCTION	1.31	7.90	1034.05	0	03:09	7.90
J8	JUNCTION	0.75	2.33	877.41	0	03:08	2.24
J80	JUNCTION	1.96	8.31	1022.86	0	03:09	8.31
J81	JUNCTION	0.93	4.87	1019.87	0	03:10	4.86
J82	JUNCTION	1.30	5.71	1019.71	0	03:10	5.70
J83	JUNCTION	0.23	1.27	1021.07	0	03:09	1.27
J84	JUNCTION	0.39	2.43	1020.48	0	03:09	2.43
J85	JUNCTION	0.60	2.31	990.56	0	03:09	2.31
J86	JUNCTION	0.42	1.57	988.74	0	03:09	1.57
J87	JUNCTION	0.48	1.60	988.01	0	03:09	1.60
J88	JUNCTION	0.46	1.68	987.32	0	03:09	1.67
J89	JUNCTION	0.87	4.76	986.28	0	03:36	4.46
J9	JUNCTION	2.75	8.31	883.97	0	03:09	7.88
J90	JUNCTION	1.73	5.68	985.93	0	03:10	5.67
J91	JUNCTION	1.59	16.59	1065.25	0	03:11	16.57
J92	JUNCTION	0.81	3.74	979.69	0	03:02	3.70
J93	JUNCTION	0.88	3.88	979.30	0	03:02	3.82
J94	JUNCTION	1.32	4.47	978.28	0	03:02	4.44
J95	JUNCTION	1.63	4.67	978.06	0	03:02	4.67
J96	JUNCTION	0.70	3.34	976.61	0	03:03	3.27
J97	JUNCTION	1.98	6.82	971.52	0	03:03	6.79
J98	JUNCTION	1.86	7.45	969.98	0	03:09	7.45
J99	JUNCTION	0.33	1.37	963.35	0	03:10	1.36
OF1	OUTFALL	1.05	2.67	845.71	0	03:29	2.67
J73	STORAGE	1.12	16.62	1065.20	0	03:11	16.61
SU1	STORAGE	0.75	2.06	950.16	0	03:20	2.06
SU2	STORAGE	0.06	1.25	891.71	0	03:06	1.22

****
Node Inflow Summary
****

		Maximum Lateral	Maximum Total	Time of Max	Lateral Inflow	Total Inflow	Flow Balance

Node	Type	Inflow CFS	Inflow CFS	Occurrence days	Occurrence hr:min	Volume 10^6 gal	Volume 10^6 gal	Error Percent
J1	JUNCTION	83.71	928.90	0	03:12	1.7	25	0.389
J10	JUNCTION	0.00	446.30	0	03:12	0	12.8	0.013
J100	JUNCTION	0.00	152.40	0	03:10	0	3.3	0.058
J101	JUNCTION	27.01	108.21	0	03:38	0.553	4.55	-0.014
J102	JUNCTION	9.69	9.69	0	03:06	0.183	0.183	-0.237
J103	JUNCTION	0.00	3.24	0	03:03	0	0.139	0.000
J104	JUNCTION	0.00	3.24	0	03:03	0	0.139	0.022
J105	JUNCTION	0.00	4.96	0	03:26	0	0.139	-0.034
J106	JUNCTION	0.00	149.79	0	03:03	0	4.67	-0.007
J107	JUNCTION	0.00	6.43	0	03:06	0	0.045	6.232
J108	JUNCTION	0.00	1.92	0	02:47	0	0.00514	-0.143
J109	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J11	JUNCTION	25.08	253.43	0	03:19	0.494	7.86	0.012
J110	JUNCTION	0.00	48.62	0	03:09	0	2.66	-0.007
J111	JUNCTION	0.00	38.86	0	02:49	0	2.4	-0.002
J112	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J113	JUNCTION	0.00	29.46	0	03:08	0	0.219	0.111
J114	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J115	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J116	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J117	JUNCTION	73.58	154.60	0	03:09	1.57	3.33	-0.010
J118	JUNCTION	0.00	16.46	0	03:06	0	0.351	-0.097
J119	JUNCTION	0.00	16.45	0	03:06	0	0.351	-0.004
J12	JUNCTION	82.82	231.79	0	03:09	1.66	4.96	-0.038
J120	JUNCTION	0.00	16.46	0	03:06	0	0.351	0.000
J121	JUNCTION	0.00	0.03	0	02:57	0	6.94e-05	0.094
J122	JUNCTION	16.46	16.46	0	03:06	0.351	0.351	-0.000

J123		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J124		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J125		JUNCTION	34.28	34.28	0	03:06	0.732
0.732	0.000						
J126		JUNCTION	0.00	34.28	0	03:06	0
0.732	-0.003						
J127		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J128		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J129		JUNCTION	0.00	34.30	0	03:06	0
0.732	0.002						
J13		JUNCTION	0.00	379.50	0	03:12	0
9.38	0.000						
J130		JUNCTION	0.00	34.28	0	03:06	0
0.732	-0.001						
J131		JUNCTION	0.00	34.28	0	03:06	0
0.732	-0.002						
J132		JUNCTION	31.26	118.72	0	03:09	0.645
2.52	0.000						
J133		JUNCTION	25.99	144.22	0	03:09	0.533
3.06	-0.000						
J134		JUNCTION	0.00	40.93	0	03:09	0
1.31	0.121						
J135		JUNCTION	0.00	143.65	0	03:09	0
3.06	-0.005						
J136		JUNCTION	0.00	143.65	0	03:09	0
3.06	-0.003						
J137		JUNCTION	0.00	143.66	0	03:09	0
3.06	0.001						
J138		JUNCTION	0.00	143.66	0	03:09	0
3.06	-0.001						
J139		JUNCTION	0.00	143.76	0	03:10	0
3.06	-0.027						
J14		JUNCTION	0.00	378.26	0	03:12	0
9.38	0.000						
J140		JUNCTION	0.00	67.00	0	03:14	0
1.38	-0.155						
J141		JUNCTION	0.00	65.94	0	03:17	0
1.38	-0.009						
J142		JUNCTION	0.00	4.30	0	03:19	0
0.00519	0.303						
J143		JUNCTION	0.00	118.73	0	03:12	0
2.75	-0.000						
J144		JUNCTION	0.00	3.99	0	02:52	0
0.00275	-0.050						
J145		JUNCTION	0.00	0.67	0	02:56	0
0.000751	0.784						
J146		JUNCTION	0.00	2.00	0	02:57	0
0.00348	-0.248						
J147		JUNCTION	0.00	4.77	0	03:04	0
0.00514	-0.295						
J148		JUNCTION	0.00	96.30	0	03:09	0
0.796	0.053						
J149		JUNCTION	0.00	27.72	0	03:08	0
0.184	-0.101						
J15		JUNCTION	0.00	405.47	0	03:12	0
10.1	-0.000						

J150		JUNCTION	27.54	121.70	0	03:09	0.548	
2.76	0.003							
J151		JUNCTION	0.00	35.09	0	03:47	0	
2.4	0.001							
J152		JUNCTION	0.00	7.25	0	03:26	0	
0.011	0.147							
J153		JUNCTION	0.00	152.37	0	03:02	0	
4.54	-0.050							
J154		JUNCTION	0.00	47.76	0	03:10	0	
1.02	-0.000							
J155		JUNCTION	0.00	47.76	0	03:09	0	
1.02	0.000							
J156		JUNCTION	0.00	47.80	0	03:09	0	
1.02	-0.000							
J157		JUNCTION	0.00	47.87	0	03:09	0	
1.02	0.000							
J158		JUNCTION	0.00	47.95	0	03:09	0	
1.02	0.008							
J159		JUNCTION	0.00	48.19	0	03:09	0	
1.02	0.000							
J16		JUNCTION	0.00	405.35	0	03:12	0	
10.1	0.001							
J160		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J161		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J162		JUNCTION	48.24	48.24	0	03:09	1.02	
1.02	0.000							
J163		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J164		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J165		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J166		JUNCTION	0.00	47.76	0	03:10	0	
1.02	0.000							
J167		JUNCTION	0.00	152.63	0	03:09	0	
3.3	-0.008							
J168		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J169		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J17		JUNCTION	18.64	418.47	0	03:12	0.36	
10.5	-0.000							
J170		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J171		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J172		JUNCTION	0.00	44.78	0	03:09	0	
0.939	0.001							
J173		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J174		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J175		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J176		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J177		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							

J178	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J179	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J18	JUNCTION	0.00	418.58	0	03:12	0	10.5
-0.003							
J180	JUNCTION	0.00	44.76	0	03:09	0	0.938
0.000							
J181	JUNCTION	0.00	0.55	0	02:59	0	0.00372
-0.054							
J182	JUNCTION	0.00	66.17	0	03:06	0	1.41
-0.000							
J183	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J184	JUNCTION	0.00	0.41	0	03:12	0	0.00013
0.177							
J185	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J186	JUNCTION	0.00	0.09	0	03:03	0	0.000121
0.086							
J187	JUNCTION	0.00	0.02	0	02:56	0	0.000117
-1.610							
J19	JUNCTION	0.00	689.69	0	03:17	0	24.9
0.296							
J2	JUNCTION	0.00	381.25	0	03:12	0	9.38
-0.001							
J20	JUNCTION	0.00	622.54	0	03:29	0	24.8
0.002							
J21	JUNCTION	0.00	381.17	0	03:12	0	9.38
0.010							
J22	JUNCTION	0.00	381.23	0	03:12	0	9.38
-0.009							
J23	JUNCTION	0.00	381.14	0	03:12	0	9.38
0.001							
J24	JUNCTION	0.00	381.50	0	03:11	0	9.38
0.000							
J25	JUNCTION	0.00	381.74	0	03:11	0	9.38
0.000							
J26	JUNCTION	0.00	381.76	0	03:11	0	9.38
-0.000							
J27	JUNCTION	0.00	382.36	0	03:11	0	9.38
0.014							
J28	JUNCTION	127.96	127.96	0	03:06	2.68	2.68
0.035							
J29	JUNCTION	0.00	81.94	0	03:00	0	3.27
-0.000							
J3	JUNCTION	0.00	445.58	0	03:14	0	12.8
0.000							
J30	JUNCTION	0.00	174.97	0	03:09	0	4.06
-0.013							
J31	JUNCTION	0.00	174.43	0	03:09	0	4.06
0.038							
J32	JUNCTION	0.00	220.11	0	03:09	0	5.74
0.962							
J33	JUNCTION	0.00	215.17	0	03:11	0	5.68
-0.001							
J34	JUNCTION	6.90	219.06	0	03:11	0.148	5.83
-0.012							
J35	JUNCTION	0.00	215.24	0	03:11	0	5.68
-0.001							

J36		JUNCTION	0.00	219.18	0	03:11	0
5.83	0.023						
J37		JUNCTION	0.00	229.42	0	03:11	0
5.83	-0.023						
J38		JUNCTION	10.46	226.80	0	03:11	0.212
6.04	0.001						
J39		JUNCTION	0.00	224.70	0	03:11	0
6.04	0.003						
J4		JUNCTION	0.00	445.83	0	03:13	0
12.8	0.004						
J40		JUNCTION	44.80	44.80	0	03:09	0.939
0.939	-0.000						
J41		JUNCTION	0.00	44.78	0	03:09	0
0.939	0.041						
J42		JUNCTION	0.00	44.77	0	03:09	0
0.938	0.005						
J43		JUNCTION	22.86	66.22	0	03:06	0.473
1.41	-0.000						
J44		JUNCTION	0.00	66.22	0	03:06	0
1.41	-0.000						
J45		JUNCTION	0.00	66.17	0	03:06	0
1.41	-0.039						
J46		JUNCTION	68.11	68.11	0	03:09	1.44
1.44	0.000						
J47		JUNCTION	0.00	67.63	0	03:09	0
1.44	0.000						
J48		JUNCTION	0.00	67.29	0	03:09	0
1.44	0.001						
J49		JUNCTION	0.00	67.24	0	03:09	0
1.44	-0.000						
J5		JUNCTION	0.00	445.57	0	03:14	0
12.8	0.000						
J50		JUNCTION	21.34	88.09	0	03:09	0.439
1.88	-0.002						
J51		JUNCTION	0.00	88.10	0	03:09	0
1.88	0.003						
J52		JUNCTION	0.00	88.13	0	03:09	0
1.88	0.000						
J53		JUNCTION	0.00	27.82	0	03:07	0
0.186	-0.003						
J54		JUNCTION	49.03	49.03	0	03:06	0.976
0.978	-0.013						
J55		JUNCTION	26.57	46.01	0	03:06	0.512
1.3	0.004						
J56		JUNCTION	0.00	42.80	0	03:06	0
1.3	-0.072						
J57		JUNCTION	0.00	89.44	0	03:07	0
1.96	-0.004						
J58		JUNCTION	0.00	40.93	0	03:09	0
1.31	0.000						
J59		JUNCTION	0.00	68.52	0	03:09	0
1.49	-0.023						
J6		JUNCTION	0.00	450.83	0	03:08	0
12.8	0.005						
J60		JUNCTION	24.13	89.44	0	03:07	0.473
1.96	0.011						
J61		JUNCTION	0.00	89.43	0	03:07	0
1.96	0.000						
J62		JUNCTION	0.00	89.44	0	03:07	0
1.96	-0.001						

J63		JUNCTION	0.00	89.44	0	03:07	0
1.96	-0.004						
J64		JUNCTION	15.94	105.19	0	03:08	0.318
2.28	0.033						
J65		JUNCTION	0.00	105.17	0	03:08	0
2.28	-0.010						
J66		JUNCTION	0.00	105.09	0	03:09	0
2.28	-0.002						
J67		JUNCTION	0.00	105.16	0	03:08	0
2.28	0.000						
J68		JUNCTION	0.00	42.62	0	02:52	0
1.66	0.008						
J69		JUNCTION	0.00	42.63	0	02:52	0
1.66	-0.000						
J7		JUNCTION	0.00	562.51	0	03:08	0
12.8	0.071						
J70		JUNCTION	0.00	42.62	0	02:52	0
1.66	-0.006						
J71		JUNCTION	0.00	105.06	0	03:09	0
2.28	0.000						
J72		JUNCTION	0.00	12.99	0	03:05	0
0.0114	2.115						
J74		JUNCTION	0.00	8.21	0	03:04	0
0.00942	0.017						
J75		JUNCTION	0.00	6.80	0	03:05	0
0.0077	0.026						
J76		JUNCTION	0.00	6.85	0	03:05	0
0.00738	-0.067						
J77		JUNCTION	8.46	125.96	0	03:11	0.171
2.92	0.005						
J78		JUNCTION	0.00	48.81	0	03:06	0
2.49	-0.003						
J79		JUNCTION	36.04	49.79	0	02:51	0.72
2.49	-0.020						
J8		JUNCTION	0.00	501.27	0	03:09	0
12.8	-0.065						
J80		JUNCTION	0.00	48.64	0	03:09	0
2.49	-0.007						
J81		JUNCTION	0.00	127.18	0	03:10	0
1.55	-0.002						
J82		JUNCTION	0.00	140.95	0	03:10	0
1.82	-0.015						
J83		JUNCTION	19.90	19.90	0	03:09	0.404
0.404	0.006						
J84		JUNCTION	0.00	19.89	0	03:09	0
0.404	-0.006						
J85		JUNCTION	49.08	219.43	0	03:09	0.957
5	-0.017						
J86		JUNCTION	0.00	154.77	0	03:09	0
4.52	-0.000						
J87		JUNCTION	0.00	219.33	0	03:09	0
5	0.000						
J88		JUNCTION	0.00	219.33	0	03:09	0
5	-0.000						
J89		JUNCTION	0.00	219.34	0	03:09	0
5.02	-0.001						
J9		JUNCTION	0.00	542.07	0	03:09	0
12.8	0.014						
J90		JUNCTION	0.00	219.33	0	03:09	0
5.02	-1.559						

J91	JUNCTION	0.00	8.79	0	03:04	0	0.0108
1.052							
J92	JUNCTION	26.77	245.61	0	03:09	0.54	5.76
-0.001							
J93	JUNCTION	0.00	245.61	0	03:09	0	5.76
-0.000							
J94	JUNCTION	0.00	245.61	0	03:09	0	5.76
0.001							
J95	JUNCTION	0.00	245.62	0	03:09	0	5.76
0.001							
J96	JUNCTION	0.00	245.63	0	03:09	0	5.76
-0.001							
J97	JUNCTION	0.00	245.66	0	03:09	0	5.76
0.012							
J98	JUNCTION	15.62	291.75	0	03:09	0.304	6.66
-0.034							
J99	JUNCTION	0.00	291.45	0	03:09	0	6.66
-0.073							
OF1	OUTFALL	0.00	622.56	0	03:29	0	24.8
0.000							
J73	STORAGE	108.23	113.82	0	03:05	2.2	2.25
0.004							
SU1	STORAGE	45.56	334.86	0	03:09	0.906	7.58
0.175							
SU2	STORAGE	0.00	0.52	0	02:59	0	0.0018
0.021							

****
Node Surcharge Summary
****

Surcharging occurs when water rises above the top of the highest conduit.

Node	Type	Hours Surcharged	Max. Height Above Crown Feet	Min. Depth Below Rim Feet
J101	JUNCTION	0.81	3.862	0.000
J104	JUNCTION	0.39	1.716	0.000
J105	JUNCTION	0.44	2.266	0.000
J106	JUNCTION	0.40	1.895	0.000
J108	JUNCTION	1.49	10.029	0.000
J110	JUNCTION	1.15	3.323	0.000
J111	JUNCTION	1.37	8.979	0.000
J126	JUNCTION	0.14	0.256	4.414
J135	JUNCTION	0.21	3.406	5.104
J136	JUNCTION	0.11	0.635	9.245
J138	JUNCTION	0.20	0.987	9.633
J140	JUNCTION	0.47	8.532	0.000
J142	JUNCTION	0.34	8.140	0.000
J144	JUNCTION	0.76	3.023	0.000
J145	JUNCTION	0.73	2.157	0.000
J146	JUNCTION	0.73	2.148	0.000
J147	JUNCTION	0.42	8.348	0.000
J150	JUNCTION	0.27	7.595	0.000
J152	JUNCTION	0.70	1.667	0.000
J153	JUNCTION	0.80	2.653	0.000

J154	JUNCTION	0.08	0.217	2.443
J181	JUNCTION	0.22	0.456	2.884
J187	JUNCTION	0.56	0.905	1.095
J29	JUNCTION	0.62	2.687	0.000
J46	JUNCTION	0.29	4.081	0.000
J47	JUNCTION	0.26	3.144	0.000
J48	JUNCTION	0.28	2.288	0.000
J53	JUNCTION	0.46	5.815	0.000
J54	JUNCTION	0.48	14.537	0.000
J55	JUNCTION	0.55	18.385	0.000
J56	JUNCTION	0.75	17.000	0.000
J68	JUNCTION	0.79	3.439	0.581
J69	JUNCTION	0.81	3.682	0.000
J70	JUNCTION	0.91	5.744	0.000
J72	JUNCTION	0.18	7.094	0.000
J74	JUNCTION	0.30	11.693	0.000
J75	JUNCTION	0.27	10.970	0.000
J76	JUNCTION	0.25	10.312	0.000
J78	JUNCTION	0.92	6.991	0.000
J79	JUNCTION	0.89	5.300	0.000
J80	JUNCTION	1.19	5.659	0.000
J84	JUNCTION	0.46	0.714	2.316
J91	JUNCTION	0.41	13.923	0.000
J73	STORAGE	0.39	13.470	0.000

****
Node Flooding Summary
****

Flooding refers to all water that overflows a node, whether it ponds or not.

Node	Hours Flooded	Maximum Rate CFS	Time of Max Occurrence days hr:min	Total Flood Volume 10^6 gal	Maximum Ponded Depth Feet
J101	0.72	4.33	0 02:56	0.003	1.762
J104	0.01	1.76	0 03:02	0.000	0.016
J105	0.18	3.23	0 03:02	0.000	0.166
J106	0.38	18.14	0 03:02	0.002	0.881
J108	1.35	1.92	0 02:47	0.005	6.079
J110	0.97	4.09	0 02:52	0.002	0.823
J111	1.37	4.87	0 02:47	0.013	6.179
J140	0.45	8.77	0 03:06	0.029	6.402
J142	0.26	3.08	0 03:19	0.005	6.360
J144	0.71	3.25	0 02:52	0.002	1.543
J145	0.46	0.58	0 03:03	0.001	0.407
J146	0.58	2.00	0 02:57	0.002	0.968
J147	0.25	4.76	0 03:04	0.005	6.288
J150	0.25	8.24	0 03:07	0.012	6.095
J152	0.32	7.22	0 03:26	0.006	0.617
J153	0.67	30.41	0 03:35	0.029	1.039
J29	0.60	3.33	0 02:56	0.004	2.037
J46	0.15	1.00	0 03:06	0.001	1.501
J47	0.15	0.92	0 03:06	0.001	1.304
J48	0.14	0.65	0 03:06	0.001	0.738

J53	0.43	4.69	0	02:58	0.005	4.715
J54	0.48	6.74	0	02:57	0.015	14.037
J55	0.55	7.94	0	02:57	0.024	17.635
J56	0.74	6.40	0	02:54	0.033	16.050
J69	0.66	0.24	0	02:56	0.000	0.332
J70	0.91	14.09	0	02:52	0.009	5.274
J72	0.17	11.94	0	03:05	0.006	2.764
J74	0.27	8.21	0	03:04	0.009	10.743
J75	0.25	6.78	0	03:05	0.007	9.020
J76	0.24	6.84	0	03:05	0.007	8.212
J78	0.92	5.68	0	02:49	0.008	5.391
J79	0.87	2.68	0	02:51	0.005	4.350
J80	0.95	3.35	0	02:51	0.005	2.409
J91	0.32	8.79	0	03:04	0.010	11.993

****
Storage Volume Summary
****

Storage Unit	Average Volume 1000 ft3	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 ft3	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CFS
J73	0.851	14	0	0	6.100	100	0	03:04
SU1	92.083	9	0	0	262.240	25	0	03:20
SU2	0.012	1	0	0	0.240	27	0	03:06

****
Outfall Loading Summary
****

Outfall Node	Flow Freq Pcnt	Avg Flow CFS	Max Flow CFS	Total Volume 10^6 gal
OF1	94.17	143.76	622.56	24.805
System	94.17	143.76	622.56	24.805

****
Link Flow Summary
****

	Maximum	Time of Max	Maximum	Max/	Max/

Link	Type	|Flow| CFS	Occurrence days	Occurrence hr:min	|Veloc| ft/sec	Full Flow	Full Depth
5	CONDUIT	143.46	0	03:11	15.11	0.28	0.46
C1	CHANNEL	622.56	0	03:29	13.87	0.09	0.27
C10	CHANNEL	405.24	0	03:12	13.51	0.62	0.66
C100	CONDUIT	16.46	0	03:06	6.02	0.42	0.54
C101	CHANNEL	16.39	0	03:06	1.55	0.01	0.33
C102	CONDUIT	16.45	0	03:06	7.92	0.30	0.44
C103	CONDUIT	16.46	0	03:06	17.44	0.40	0.53
C104	CONDUIT	0.06	0	03:09	0.12	0.00	0.24
C105	CONDUIT	0.00	0	00:00	0.00	0.00	0.04
C106	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C107	CHANNEL	224.56	0	03:11	8.75	0.28	0.62
C108	CONDUIT	34.28	0	03:06	13.40	0.53	0.76
C109	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C110	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C111	CONDUIT	34.30	0	03:06	10.98	1.37	0.98
C112	CONDUIT	34.28	0	03:06	15.54	0.52	0.70
C113	CONDUIT	34.28	0	03:06	12.09	1.04	0.94
C114	CONDUIT	34.28	0	03:06	12.90	0.55	0.84
C115	CONDUIT	67.24	0	03:09	16.56	0.42	0.56
C116	CONDUIT	132.90	0	03:09	12.23	0.33	0.65
C116_2	CONDUIT	109.04	0	03:11	4.09	0.53	0.66
C117	CONDUIT	83.89	0	03:07	4.46	0.38	0.70
C118	CONDUIT	88.15	0	03:09	15.12	0.54	0.78
C119	CONDUIT	143.65	0	03:09	15.13	0.43	1.00
C12	CONDUIT	689.69	0	03:17	0.66	0.50	1.00
C120	CONDUIT	143.65	0	03:09	14.93	1.00	1.00
C121	CHANNEL	6.43	0	03:06	4.43	0.12	0.61
C122	CONDUIT	143.76	0	03:10	18.80	0.61	0.59
C122_1	CONDUIT	143.66	0	03:09	13.51	0.77	1.00
C122_2	CONDUIT	143.66	0	03:09	13.56	0.77	0.97
C123	CONDUIT	67.00	0	03:14	14.23	0.81	0.92
C124	CONDUIT	65.94	0	03:17	13.43	2.16	1.00
C125	CONDUIT	39.17	0	03:31	9.87	0.65	1.00
C126	CONDUIT	8.37	0	03:19	4.74	0.54	1.00
C127	CONDUIT	7.38	0	03:19	9.39	0.88	1.00
C127_1	CONDUIT	96.71	0	03:11	19.70	1.75	1.00
C127_2	CONDUIT	118.73	0	03:12	24.19	1.08	1.00
C128	CONDUIT	13.80	0	03:09	6.30	1.53	1.00
C128_1	CONDUIT	51.23	0	03:17	5.57	0.26	0.52
C128_2	CONDUIT	96.09	0	03:09	4.12	0.15	0.55
C128_3	CONDUIT	48.62	0	03:09	9.90	2.23	1.00
C128_4	CONDUIT	35.09	0	03:47	13.52	1.26	0.80
C128_5	CONDUIT	38.86	0	02:49	10.93	0.33	1.00
C128_7	CONDUIT	35.16	0	02:53	17.11	0.37	0.67
C129	CHANNEL	47.20	0	02:57	5.17	0.97	1.00
C13	CONDUIT	418.58	0	03:12	14.11	0.72	0.88
C130	CONDUIT	0.00	0	00:00	0.00	0.00	0.08
C130_1	CONDUIT	46.61	0	03:09	1.94	0.44	1.00
C131	CONDUIT	27.72	0	03:08	15.69	1.11	1.00
C132	CONDUIT	34.17	0	03:09	7.80	0.21	0.42
C132_1	CONDUIT	27.70	0	03:08	11.39	0.33	0.49
C133	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C134	CONDUIT	10.75	0	03:07	8.12	0.54	0.83
C135	CONDUIT	27.11	0	03:09	4.06	0.34	0.55

C136	CONDUIT	39.15	0	03:09	5.46	0.11	0.32
C137	CONDUIT	3.99	0	02:52	3.44	0.29	1.00
C138	CONDUIT	49.65	0	03:07	7.54	0.21	0.62
C139	CONDUIT	47.76	0	03:10	9.73	1.10	1.00
C14	CHANNEL	418.81	0	03:12	18.32	0.53	0.56
C140	CONDUIT	64.81	0	03:07	10.67	0.29	0.51
C141	CONDUIT	35.95	0	03:08	3.61	2.10	0.38
C142	CONDUIT	70.38	0	03:09	9.93	0.37	0.58
C143	CONDUIT	38.74	0	03:09	3.22	1.74	0.29
C144	CONDUIT	47.76	0	03:09	9.73	0.40	1.00
C145	CONDUIT	3.04	0	02:46	9.60	6.38	1.00
C147	CONDUIT	47.80	0	03:09	6.69	0.90	1.00
C148	CONDUIT	47.92	0	03:11	12.71	0.19	0.36
C149	CONDUIT	39.07	0	03:11	16.25	0.09	0.24
C15	CHANNEL	378.26	0	03:12	8.49	0.36	1.00
C150	CONDUIT	74.94	0	03:12	4.70	3.95	0.77
C151	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C152	CONDUIT	10.89	0	02:52	14.19	1.20	1.00
C153	CONDUIT	47.95	0	03:09	6.49	0.96	0.98
C154	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C155	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C156	CONDUIT	125.08	0	03:09	14.65	0.37	0.55
C157	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C158	CONDUIT	47.76	0	03:10	12.02	1.05	0.75
C159	CONDUIT	117.07	0	03:10	4.36	0.05	0.66
C16	CHANNEL	379.50	0	03:12	9.54	0.30	0.74
C160	CONDUIT	47.76	0	03:10	12.16	0.36	0.39
C160_3	CONDUIT	140.92	0	03:10	9.79	0.10	0.41
C161	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C162	CONDUIT	0.00	0	00:00	0.00	0.00	0.31
C163	CONDUIT	21.80	0	03:08	4.66	0.26	0.45
C164	CONDUIT	47.24	0	03:09	3.91	3.41	0.59
C165	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C166	CONDUIT	18.51	0	03:36	5.52	0.02	0.17
C167	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C168	CONDUIT	65.34	0	03:09	3.24	0.56	0.50
C169	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C169_2	CONDUIT	146.04	0	03:09	11.66	0.02	0.10
C169_3	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C169_4	CONDUIT	0.00	0	00:00	0.00	0.00	0.06
C17	CHANNEL	381.25	0	03:12	9.66	0.40	0.70
C170	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C170_4	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C170_6	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C171	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C172	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C173	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C174	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C175	CONDUIT	0.00	0	00:00	0.00	0.00	0.04
C176	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C177	CONDUIT	52.06	0	03:29	12.55	0.07	0.20
C178	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C179	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C18	CONDUIT	306.23	0	03:12	9.82	1.16	0.94
C180	CONDUIT	0.00	0	00:00	0.00	0.00	0.36
C181	CONDUIT	44.76	0	03:09	8.14	0.88	0.73
C182	CONDUIT	0.52	0	02:59	1.60	0.37	1.00

C183	CONDUIT	0.55	0	02:59	0.47	0.04	1.00
C184	CONDUIT	0.41	0	03:12	0.41	0.02	0.59
C185	CONDUIT	0.00	0	00:00	0.00	0.00	0.02
C186	CONDUIT	0.09	0	03:03	0.10	0.01	0.57
C187	CONDUIT	0.02	0	02:56	0.11	0.01	1.00
C188	CONDUIT	8.79	0	03:04	7.17	0.86	1.00
C19	CHANNEL	381.23	0	03:12	3.83	0.19	0.76
C2	CHANNEL	445.72	0	03:14	14.15	0.23	0.46
C20	CHANNEL	381.14	0	03:12	6.64	0.09	0.54
C21	CHANNEL	381.50	0	03:11	6.85	0.20	0.63
C22	CHANNEL	381.74	0	03:11	7.93	0.33	0.74
C23	CHANNEL	381.76	0	03:11	12.09	0.25	0.59
C24	CONDUIT	68.46	0	02:57	24.82	0.71	1.00
C25	CONDUIT	80.04	0	03:18	16.31	1.00	1.00
C26	CHANNEL	127.83	0	03:09	2.64	0.28	1.00
C27	CONDUIT	74.19	0	02:55	15.11	1.38	1.00
C28	CONDUIT	76.21	0	03:04	15.81	0.99	1.00
C29	CONDUIT	180.13	0	03:11	21.04	0.91	0.84
C29_1	CONDUIT	90.71	0	03:32	19.86	1.08	1.00
C29_2	CONDUIT	168.91	0	03:09	17.56	0.82	1.00
C3	CHANNEL	445.83	0	03:13	7.18	0.18	0.70
C3_1	CONDUIT	445.57	0	03:14	11.08	0.41	0.73
C3_2	CONDUIT	445.58	0	03:14	17.04	0.31	0.40
C30	CHANNEL	229.42	0	03:11	10.15	0.34	0.46
C31	CHANNEL	220.61	0	03:11	5.91	0.06	0.43
C32	CONDUIT	224.70	0	03:11	7.38	0.45	0.76
C33	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C33_1	CONDUIT	44.78	0	03:09	13.48	0.74	0.64
C33_2	CONDUIT	44.78	0	03:09	10.04	0.33	0.60
C34	CONDUIT	44.77	0	03:09	7.67	1.71	0.77
C35	CONDUIT	44.76	0	03:09	10.34	0.47	0.59
C36	CONDUIT	66.22	0	03:06	16.15	0.49	0.56
C37	CONDUIT	0.00	0	00:00	0.00	0.00	0.23
C37_1	CONDUIT	66.17	0	03:06	11.45	0.44	0.76
C37_2	CONDUIT	66.17	0	03:06	10.96	0.81	0.80
C38	CONDUIT	67.63	0	03:09	9.57	1.22	1.00
C39	CONDUIT	67.29	0	03:09	13.71	0.93	1.00
C4	CONDUIT	562.51	0	03:08	7.89	0.46	0.74
C4_1	CHANNEL	501.27	0	03:09	28.95	0.65	0.53
C4_2	CHANNEL	450.83	0	03:08	16.03	0.15	0.36
C40	CONDUIT	67.24	0	03:09	16.55	1.00	0.77
C41	CONDUIT	88.10	0	03:09	18.72	0.60	0.63
C42	CONDUIT	88.13	0	03:09	16.16	0.61	0.72
C43	CONDUIT	27.82	0	03:07	15.74	1.36	1.00
C44	CONDUIT	24.53	0	03:22	14.06	0.42	1.00
C45	CONDUIT	42.80	0	03:06	13.62	1.02	1.00
C46	CONDUIT	118.56	0	03:09	18.22	0.51	0.80
C46_1	CONDUIT	13.82	0	03:09	3.74	0.33	0.77
C46_2	CHANNEL	1.78	0	03:09	3.48	0.03	0.50
C47	CONDUIT	40.93	0	03:09	15.92	1.78	0.68
C48	CONDUIT	34.37	0	03:12	15.69	0.96	1.00
C49	CONDUIT	18.77	0	02:43	10.62	1.07	1.00
C5	CHANNEL	542.07	0	03:09	7.08	0.11	0.76
C50	CONDUIT	24.91	0	03:03	14.67	1.04	1.00
C51	CHANNEL	89.43	0	03:08	5.93	0.43	0.87
C52	CONDUIT	69.21	0	03:08	10.53	1.17	0.88
C53	CONDUIT	42.62	0	02:52	8.68	0.33	1.00

C53_1	CHANNEL	105.16	0	03:08	7.69	0.29	0.65
C53_2	CHANNEL	105.09	0	03:09	6.90	0.66	1.00
C54	CONDUIT	42.63	0	02:52	6.76	0.90	1.00
C55	CONDUIT	42.62	0	02:52	8.68	0.63	1.00
C56	CONDUIT	34.68	0	03:09	17.49	1.44	0.64
C57	CONDUIT	12.99	0	03:05	2.95	0.18	1.00
C58	CONDUIT	8.21	0	03:04	6.69	0.59	1.00
C59	CONDUIT	6.80	0	03:05	5.54	0.42	1.00
C6	CHANNEL	253.41	0	03:19	13.47	0.26	0.75
C60	CONDUIT	6.85	0	03:05	5.59	0.41	1.00
C61	CONDUIT	37.67	0	02:49	7.67	1.05	1.00
C62	CONDUIT	48.81	0	03:06	12.18	0.70	1.00
C63	CONDUIT	48.64	0	03:09	9.91	1.04	1.00
C64	CONDUIT	10.12	0	03:10	4.70	0.41	1.00
C65	CONDUIT	19.89	0	03:09	11.98	0.58	0.88
C66	CONDUIT	19.89	0	03:09	12.68	0.49	1.00
C67	CHANNEL	154.77	0	03:09	10.11	0.63	0.60
C68	CHANNEL	154.03	0	03:09	12.91	0.28	0.45
C69	CHANNEL	219.33	0	03:09	14.87	0.24	0.48
C7	CHANNEL	231.49	0	03:09	8.89	0.11	0.70
C70	CHANNEL	219.34	0	03:09	8.30	0.20	0.75
C71	CHANNEL	219.33	0	03:09	8.06	0.30	1.00
C72	CONDUIT	9.28	0	03:02	7.56	0.59	1.00
C72_1	CONDUIT	145.82	0	03:03	15.16	0.73	1.00
C72_2	CONDUIT	145.46	0	03:03	15.12	0.79	1.00
C73	CONDUIT	4.96	0	03:26	5.67	0.52	1.00
C73_2	CONDUIT	148.66	0	03:22	15.87	0.97	1.00
C74	CHANNEL	245.61	0	03:09	15.46	0.69	0.88
C75	CHANNEL	245.61	0	03:09	12.53	0.60	0.93
C76	CHANNEL	245.62	0	03:09	11.90	0.74	0.99
C77	CONDUIT	117.01	0	03:00	11.70	2.19	1.00
C78	CHANNEL	245.66	0	03:09	12.27	0.61	0.95
C79	CONDUIT	166.41	0	03:10	23.31	0.88	0.70
C8	CONDUIT	378.11	0	03:12	9.21	1.61	0.91
C80	CHANNEL	239.81	0	03:20	14.52	0.31	0.52
C80_2	CHANNEL	151.81	0	03:10	8.26	0.10	0.38
C80_3	CONDUIT	105.06	0	03:09	14.20	0.04	0.21
C80_4	CONDUIT	152.40	0	03:10	10.99	0.07	0.35
C81	CONDUIT	291.21	0	03:10	14.04	0.22	0.55
C82	CONDUIT	3.24	0	03:03	7.79	0.74	0.56
C82_1	CONDUIT	102.85	0	03:38	10.69	0.57	1.00
C82_2	CONDUIT	106.94	0	03:38	11.12	0.79	1.00
C83	CONDUIT	6.39	0	03:26	4.90	0.43	1.00
C85	CONDUIT	58.30	0	03:07	12.07	0.28	0.46
C85_1	CONDUIT	76.64	0	03:10	5.76	0.03	0.11
C86	CONDUIT	61.70	0	03:06	11.72	0.22	0.52
C87	CONDUIT	1.92	0	02:47	1.57	0.31	1.00
C88	CONDUIT	176.74	0	03:11	10.81	0.67	0.79
C89	CONDUIT	0.67	0	02:56	1.95	2.15	1.00
C9	CHANNEL	405.35	0	03:12	13.15	0.22	0.67
C90	CONDUIT	2.72	0	03:27	2.21	0.19	1.00
C91	CONDUIT	118.74	0	03:12	8.29	0.51	0.86
C92	CHANNEL	5.87	0	03:07	3.13	0.13	0.70
C93	CONDUIT	7.71	0	03:07	3.52	0.18	1.00
C94	CONDUIT	185.62	0	03:09	9.87	0.04	0.16
C95	CONDUIT	31.14	0	03:06	17.62	1.03	1.00
C96	CONDUIT	30.11	0	02:50	17.33	0.80	1.00

C97	CHANNEL	0.00	0	00:00	0.00	0.00	0.27
C97_1	CHANNEL	66.05	0	03:07	1.97	0.08	0.41
C97_2	CHANNEL	161.76	0	03:10	4.50	0.20	0.41
C98	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C99	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C11	WEIR	570.48	0	03:29			0.91
C84	WEIR	3.24	0	03:03			0.08

****
Flow Classification Summary
****

Conduit	Adjusted /Actual Length	Fraction of Time in Flow Class: Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
5	1.00	0.92	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00
C1	1.00	0.05	0.00	0.00	0.01	0.94	0.00	0.00	0.45	0.00
C10	1.00	0.01	0.00	0.00	0.16	0.83	0.00	0.00	0.12	0.00
C100	1.00	0.01	0.00	0.00	0.98	0.01	0.00	0.00	0.00	0.00
C101	1.00	0.01	0.00	0.00	0.99	0.01	0.00	0.00	0.93	0.00
C102	1.00	0.01	0.00	0.00	0.00	0.75	0.00	0.24	0.32	0.00
C103	1.00	0.01	0.00	0.00	0.00	0.23	0.00	0.76	0.11	0.00
C104	1.00	0.85	0.05	0.00	0.11	0.00	0.00	0.00	0.72	0.00
C105	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C106	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C107	1.00	0.01	0.00	0.00	0.70	0.29	0.00	0.00	0.95	0.00
C108	1.00	0.01	0.00	0.00	0.00	0.70	0.00	0.29	0.39	0.00
C109	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C110	1.00	0.32	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C111	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
C112	1.00	0.01	0.00	0.00	0.00	0.70	0.00	0.29	0.38	0.00
C113	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
C114	1.00	0.01	0.18	0.00	0.23	0.58	0.00	0.00	0.88	0.00

C115	1.00	0.03	0.00	0.00	0.19	0.78	0.00	0.00	0.89
0.00									
C116	1.00	0.89	0.02	0.00	0.01	0.07	0.00	0.02	0.74
0.00									
C116_2	1.00	0.87	0.00	0.00	0.00	0.00	0.00	0.13	0.00
0.00									
C117	1.00	0.85	0.01	0.00	0.00	0.00	0.14	0.00	0.00
0.00									
C118	1.00	0.03	0.00	0.00	0.18	0.79	0.00	0.00	0.51
0.00									
C119	1.00	0.03	0.18	0.00	0.02	0.78	0.00	0.00	0.73
0.00									
C12	1.00	0.02	0.02	0.00	0.96	0.00	0.00	0.00	0.00
0.00									
C120	1.00	0.03	0.00	0.00	0.02	0.01	0.00	0.94	0.00
0.00									
C121	1.00	0.24	0.66	0.00	0.01	0.09	0.00	0.00	0.74
0.00									
C122	1.00	0.03	0.12	0.00	0.11	0.73	0.00	0.00	0.65
0.00									
C122_1	1.00	0.21	0.00	0.00	0.05	0.75	0.00	0.00	0.52
0.00									
C122_2	1.00	0.16	0.05	0.00	0.04	0.75	0.00	0.00	0.45
0.00									
C123	1.00	0.04	0.00	0.00	0.00	0.10	0.00	0.86	0.02
0.00									
C124	1.00	0.04	0.00	0.00	0.10	0.00	0.00	0.86	0.00
0.00									
C125	1.00	0.04	0.00	0.00	0.10	0.01	0.00	0.85	0.00
0.00									
C126	1.00	0.05	0.24	0.00	0.71	0.00	0.00	0.00	0.49
0.00									
C127	1.00	0.05	0.78	0.00	0.17	0.00	0.00	0.00	0.70
0.00									
C127_1	1.00	0.05	0.00	0.00	0.12	0.83	0.00	0.00	0.02
0.00									
C127_2	1.00	0.05	0.00	0.00	0.03	0.92	0.00	0.00	0.00
0.00									
C128	1.00	0.04	0.00	0.00	0.95	0.00	0.00	0.00	0.04
0.00									
C128_1	1.00	0.35	0.57	0.00	0.03	0.04	0.00	0.02	0.74
0.00									
C128_2	1.00	0.34	0.01	0.00	0.13	0.00	0.00	0.52	0.07
0.00									
C128_3	1.00	0.04	0.00	0.00	0.37	0.59	0.00	0.00	0.00
0.00									
C128_4	1.00	0.04	0.00	0.00	0.01	0.95	0.00	0.00	0.00
0.00									
C128_5	1.00	0.04	0.00	0.00	0.29	0.67	0.00	0.00	0.78
0.00									
C128_7	1.00	0.04	0.01	0.00	0.01	0.95	0.00	0.00	0.06
0.00									
C129	1.00	0.01	0.03	0.00	0.81	0.15	0.00	0.00	0.84
0.00									
C13	1.00	0.02	0.00	0.00	0.20	0.78	0.00	0.00	0.59
0.00									
C130	1.00	0.78	0.22	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C130_1	1.00	0.83	0.03	0.00	0.14	0.00	0.00	0.00	0.69
0.00									

C131	1.00	0.27	0.00	0.00	0.73	0.00	0.00	0.00	0.72
0.00									
C132	1.00	0.89	0.04	0.00	0.01	0.05	0.00	0.00	0.75
0.00									
C132_1	1.00	0.94	0.00	0.00	0.00	0.00	0.00	0.06	0.00
0.00									
C133	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C134	1.00	0.83	0.06	0.00	0.05	0.06	0.00	0.00	0.76
0.00									
C135	1.00	0.16	0.00	0.00	0.01	0.00	0.00	0.84	0.00
0.00									
C136	1.00	0.16	0.00	0.00	0.00	0.04	0.00	0.80	0.02
0.00									
C137	1.00	0.24	0.02	0.00	0.14	0.00	0.00	0.60	0.01
0.00									
C138	1.00	0.85	0.04	0.00	0.06	0.05	0.00	0.00	0.76
0.00									
C139	1.00	0.06	0.00	0.00	0.21	0.73	0.00	0.00	0.45
0.00									
C14	1.00	0.02	0.00	0.00	0.23	0.75	0.00	0.00	0.72
0.00									
C140	1.00	0.87	0.00	0.00	0.00	0.00	0.00	0.13	0.00
0.00									
C141	1.00	0.95	0.00	0.00	0.00	0.00	0.00	0.05	0.00
0.00									
C142	1.00	0.89	0.00	0.00	0.00	0.00	0.00	0.11	0.00
0.00									
C143	1.00	0.86	0.00	0.00	0.00	0.00	0.00	0.14	0.00
0.00									
C144	1.00	0.06	0.00	0.00	0.09	0.85	0.00	0.00	0.53
0.00									
C145	1.00	0.05	0.00	0.00	0.22	0.73	0.00	0.00	0.00
0.00									
C147	1.00	0.06	0.00	0.00	0.45	0.49	0.00	0.00	0.36
0.00									
C148	1.00	0.96	0.00	0.00	0.00	0.00	0.00	0.04	0.00
0.00									
C149	1.00	0.96	0.00	0.00	0.00	0.00	0.00	0.04	0.00
0.00									
C15	1.00	0.02	0.00	0.00	0.18	0.81	0.00	0.00	0.21
0.00									
C150	1.00	0.96	0.00	0.00	0.00	0.00	0.00	0.04	0.00
0.00									
C151	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C152	1.00	0.04	0.00	0.00	0.23	0.73	0.00	0.00	0.00
0.00									
C153	1.00	0.04	0.00	0.00	0.95	0.00	0.00	0.00	0.87
0.00									
C154	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C155	1.00	0.04	0.96	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C156	1.00	0.92	0.00	0.00	0.00	0.00	0.00	0.08	0.00
0.00									
C157	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C158	1.00	0.06	0.00	0.00	0.05	0.89	0.00	0.00	0.00
0.00									

C159	1.00	0.05	0.83	0.00	0.12	0.00	0.00	0.00	0.74
0.00									
C16	1.00	0.02	0.00	0.00	0.07	0.91	0.00	0.00	0.00
0.00									
C160	1.00	0.03	0.04	0.00	0.05	0.88	0.00	0.00	0.02
0.00									
C160_3	1.00	0.86	0.00	0.00	0.00	0.07	0.00	0.07	0.04
0.00									
C161	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C162	1.00	0.23	0.77	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C163	1.00	0.93	0.01	0.00	0.01	0.00	0.00	0.04	0.73
0.00									
C164	1.00	0.44	0.00	0.00	0.00	0.00	0.00	0.56	0.00
0.00									
C165	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C166	1.00	0.90	0.10	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C167	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C168	1.00	0.92	0.00	0.00	0.00	0.00	0.00	0.08	0.00
0.00									
C169	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C169_2	1.00	0.88	0.00	0.00	0.00	0.00	0.00	0.12	0.00
0.00									
C169_3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C169_4	1.00	0.88	0.12	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C17	1.00	0.02	0.00	0.00	0.19	0.79	0.00	0.00	0.80
0.00									
C170	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C170_4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C170_6	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C171	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C172	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C173	1.00	0.02	0.98	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C174	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C175	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C176	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C177	1.00	0.92	0.00	0.00	0.00	0.00	0.00	0.08	0.00
0.00									
C178	1.00	0.04	0.96	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C179	1.00	0.04	0.96	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C18	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00
0.87									

C180	1.00	0.90	0.10	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C181	1.00	0.02	0.01	0.00	0.00	0.00	0.00	0.96	0.00
0.00									
C182	1.00	0.23	0.02	0.00	0.11	0.00	0.00	0.64	0.01
0.00									
C183	1.00	0.07	0.14	0.00	0.54	0.00	0.00	0.25	0.19
0.00									
C184	1.00	0.01	0.92	0.00	0.06	0.00	0.00	0.00	0.73
0.00									
C185	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C186	1.00	0.01	0.77	0.00	0.21	0.00	0.00	0.00	0.72
0.00									
C187	1.00	0.03	0.01	0.00	0.95	0.00	0.00	0.00	0.48
0.00									
C188	1.00	0.26	0.58	0.00	0.15	0.00	0.01	0.00	0.71
0.00									
C19	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.00
0.00									
C2	1.00	0.02	0.05	0.00	0.38	0.55	0.00	0.00	0.41
0.00									
C20	1.00	0.01	0.00	0.00	0.97	0.01	0.00	0.00	0.66
0.00									
C21	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.77
0.00									
C22	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.90
0.00									
C23	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.02
0.00									
C24	1.00	0.01	0.00	0.00	0.06	0.06	0.00	0.87	0.00
0.00									
C25	1.00	0.01	0.07	0.00	0.24	0.68	0.00	0.00	0.52
0.00									
C26	1.00	0.01	0.00	0.00	0.84	0.01	0.00	0.15	0.41
0.00									
C27	1.00	0.01	0.00	0.00	0.56	0.01	0.00	0.42	0.00
0.42									
C28	1.00	0.01	0.00	0.00	0.14	0.02	0.00	0.83	0.00
0.00									
C29	1.00	0.00	0.00	0.00	0.16	0.84	0.00	0.00	0.49
0.00									
C29_1	1.00	0.01	0.00	0.00	0.07	0.91	0.00	0.00	0.11
0.00									
C29_2	1.00	0.01	0.00	0.00	0.05	0.68	0.00	0.25	0.27
0.00									
C3	1.00	0.07	0.00	0.00	0.60	0.33	0.00	0.00	0.45
0.00									
C3_1	1.00	0.07	0.00	0.00	0.91	0.02	0.00	0.00	0.00
0.86									
C3_2	1.00	0.07	0.00	0.00	0.24	0.69	0.00	0.00	0.52
0.00									
C30	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.00
0.00									
C31	1.00	0.00	0.00	0.00	0.89	0.11	0.00	0.00	0.55
0.00									
C32	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.97									
C33	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

C33_1	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00
0.00									
C33_2	1.00	0.19	0.02	0.00	0.05	0.73	0.00	0.01	0.91
0.00									
C34	1.00	0.04	0.17	0.00	0.05	0.00	0.00	0.75	0.45
0.00									
C35	1.00	0.04	0.00	0.00	0.00	0.65	0.00	0.31	0.34
0.00									
C36	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
C37	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C37_1	1.00	0.01	0.00	0.00	0.16	0.83	0.00	0.00	0.16
0.00									
C37_2	1.00	0.01	0.12	0.00	0.67	0.20	0.00	0.00	0.81
0.00									
C38	1.00	0.03	0.00	0.00	0.29	0.68	0.00	0.00	0.45
0.00									
C39	1.00	0.03	0.00	0.00	0.24	0.73	0.00	0.00	0.48
0.00									
C4	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.01
0.00									
C4_1	1.00	0.06	0.00	0.00	0.00	0.94	0.00	0.00	0.15
0.00									
C4_2	1.00	0.07	0.00	0.00	0.00	0.93	0.00	0.00	0.54
0.00									
C40	1.00	0.03	0.00	0.00	0.18	0.79	0.00	0.00	0.00
0.00									
C41	1.00	0.03	0.00	0.00	0.00	0.11	0.00	0.86	0.00
0.00									
C42	1.00	0.03	0.00	0.00	0.00	0.16	0.00	0.81	0.00
0.00									
C43	1.00	0.30	0.59	0.00	0.11	0.00	0.00	0.00	0.71
0.00									
C44	1.00	0.05	0.00	0.00	0.08	0.05	0.00	0.82	0.00
0.00									
C45	1.00	0.02	0.00	0.00	0.09	0.05	0.00	0.85	0.01
0.00									
C46	1.00	0.03	0.00	0.00	0.18	0.79	0.00	0.00	0.44
0.00									
C46_1	1.00	0.02	0.14	0.00	0.84	0.00	0.00	0.00	0.90
0.00									
C46_2	1.00	0.24	0.00	0.00	0.02	0.03	0.00	0.72	0.02
0.00									
C47	1.00	0.15	0.05	0.00	0.01	0.79	0.00	0.00	0.46
0.00									
C48	1.00	0.04	0.00	0.00	0.09	0.10	0.00	0.77	0.01
0.00									
C49	1.00	0.02	0.00	0.00	0.17	0.34	0.00	0.47	0.00
0.00									
C5	1.00	0.06	0.00	0.00	0.94	0.01	0.00	0.00	0.81
0.00									
C50	1.00	0.02	0.12	0.00	0.09	0.78	0.00	0.00	0.52
0.00									
C51	1.00	0.02	0.00	0.00	0.84	0.14	0.00	0.00	0.44
0.00									
C52	1.00	0.02	0.09	0.00	0.82	0.07	0.00	0.00	0.00
0.89									
C53	1.00	0.03	0.00	0.00	0.13	0.04	0.00	0.80	0.00
0.86									

C53_1	1.00	0.02	0.00	0.00	0.08	0.90	0.00	0.00	0.43
0.00									
C53_2	1.00	0.02	0.00	0.00	0.82	0.16	0.00	0.00	0.39
0.00									
C54	1.00	0.03	0.03	0.00	0.35	0.59	0.00	0.00	0.51
0.00									
C55	1.00	0.03	0.00	0.00	0.14	0.56	0.00	0.27	0.31
0.00									
C56	1.00	0.03	0.00	0.00	0.11	0.86	0.00	0.00	0.10
0.00									
C57	1.00	0.29	0.54	0.00	0.17	0.00	0.00	0.00	0.72
0.00									
C58	1.00	0.26	0.02	0.00	0.07	0.00	0.00	0.65	0.01
0.00									
C59	1.00	0.27	0.02	0.00	0.07	0.00	0.00	0.65	0.72
0.00									
C6	1.00	0.06	0.02	0.00	0.15	0.77	0.00	0.00	0.25
0.00									
C60	1.00	0.27	0.02	0.00	0.06	0.00	0.00	0.65	0.72
0.00									
C61	1.00	0.05	0.00	0.00	0.14	0.00	0.00	0.81	0.00
0.35									
C62	1.00	0.04	0.00	0.00	0.14	0.43	0.00	0.39	0.00
0.00									
C63	1.00	0.04	0.00	0.00	0.19	0.51	0.00	0.26	0.26
0.00									
C64	1.00	0.04	0.18	0.00	0.29	0.47	0.00	0.02	0.76
0.00									
C65	1.00	0.04	0.00	0.00	0.08	0.08	0.00	0.80	0.04
0.00									
C66	1.00	0.04	0.00	0.00	0.18	0.01	0.00	0.77	0.02
0.00									
C67	1.00	0.04	0.00	0.00	0.29	0.67	0.00	0.00	0.54
0.00									
C68	1.00	0.04	0.00	0.00	0.29	0.66	0.00	0.00	0.63
0.00									
C69	1.00	0.05	0.00	0.00	0.00	0.95	0.00	0.00	0.61
0.00									
C7	1.00	0.05	0.00	0.00	0.42	0.54	0.00	0.00	0.85
0.00									
C70	1.00	0.05	0.00	0.00	0.15	0.79	0.00	0.00	0.29
0.00									
C71	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.76
0.00									
C72	1.00	0.77	0.06	0.00	0.17	0.00	0.00	0.00	0.69
0.00									
C72_1	1.00	0.05	0.00	0.00	0.94	0.01	0.00	0.00	0.00
0.80									
C72_2	1.00	0.04	0.02	0.00	0.75	0.19	0.00	0.00	0.00
0.83									
C73	1.00	0.04	0.00	0.00	0.10	0.01	0.00	0.85	0.01
0.00									
C73_2	1.00	0.02	0.02	0.00	0.08	0.88	0.00	0.00	0.02
0.00									
C74	1.00	0.02	0.00	0.00	0.20	0.78	0.00	0.00	0.56
0.00									
C75	1.00	0.02	0.00	0.00	0.41	0.57	0.00	0.00	0.65
0.00									
C76	1.00	0.02	0.00	0.00	0.68	0.30	0.00	0.00	0.03
0.00									

C77	1.00	0.02	0.00	0.00	0.93	0.05	0.00	0.00	0.00
0.46									
C78	1.00	0.02	0.00	0.00	0.86	0.11	0.00	0.00	0.86
0.00									
C79	1.00	0.02	0.00	0.00	0.00	0.98	0.00	0.00	0.00
0.00									
C8	1.00	0.01	0.01	0.00	0.98	0.00	0.00	0.00	0.00
0.39									
C80	1.00	0.04	0.00	0.00	0.08	0.88	0.00	0.00	0.08
0.00									
C80_2	1.00	0.03	0.00	0.00	0.01	0.96	0.00	0.00	0.30
0.00									
C80_3	1.00	0.03	0.04	0.00	0.18	0.76	0.00	0.00	0.86
0.00									
C80_4	1.00	0.03	0.00	0.00	0.60	0.37	0.00	0.00	0.89
0.00									
C81	1.00	0.02	0.00	0.00	0.62	0.35	0.00	0.00	0.76
0.00									
C82	1.00	0.03	0.00	0.00	0.20	0.77	0.00	0.00	0.00
0.00									
C82_1	1.00	0.02	0.00	0.00	0.81	0.17	0.00	0.00	0.00
0.85									
C82_2	1.00	0.02	0.00	0.00	0.65	0.32	0.00	0.00	0.04
0.00									
C83	1.00	0.04	0.19	0.00	0.75	0.02	0.00	0.00	0.84
0.00									
C85	1.00	0.89	0.00	0.00	0.00	0.00	0.00	0.10	0.71
0.00									
C85_1	1.00	0.90	0.00	0.00	0.00	0.00	0.00	0.10	0.00
0.00									
C86	1.00	0.35	0.60	0.00	0.01	0.05	0.00	0.00	0.75
0.00									
C87	1.00	0.04	0.19	0.00	0.76	0.00	0.00	0.00	0.47
0.00									
C88	1.00	0.90	0.00	0.00	0.00	0.00	0.00	0.10	0.00
0.00									
C89	1.00	0.26	0.00	0.00	0.74	0.00	0.00	0.00	0.00
0.00									
C9	1.00	0.01	0.00	0.00	0.17	0.81	0.00	0.00	0.63
0.00									
C90	1.00	0.23	0.02	0.00	0.16	0.00	0.00	0.58	0.02
0.00									
C91	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.86
0.00									
C92	1.00	0.25	0.00	0.00	0.04	0.02	0.00	0.69	0.03
0.00									
C93	1.00	0.04	0.21	0.00	0.75	0.00	0.00	0.00	0.85
0.00									
C94	1.00	0.89	0.00	0.00	0.00	0.06	0.00	0.05	0.03
0.00									
C95	1.00	0.01	0.00	0.00	0.23	0.75	0.00	0.00	0.43
0.00									
C96	1.00	0.02	0.00	0.00	0.11	0.53	0.00	0.34	0.24
0.00									
C97	1.00	0.01	0.99	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C97_1	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.93
0.00									
C97_2	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.13
0.00									

C98	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C99	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

****
Conduit Surcharge Summary
****

Conduit	Hours Full: Both Ends	Hours Full: Upstream	Hours Full: Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
C108	0.01	0.01	0.14	0.01	0.01
C111	0.01	0.16	0.01	0.23	0.01
C113	0.01	0.01	0.01	0.07	0.01
C114	0.01	0.01	0.61	0.01	0.01
C119	0.04	0.04	0.21	0.01	0.01
C12	0.38	0.38	0.40	0.01	0.01
C120	0.11	0.21	0.11	0.01	0.11
C122_1	0.18	0.18	0.20	0.01	0.15
C122_2	0.01	0.20	0.01	0.01	0.01
C123	0.01	0.01	0.47	0.01	0.01
C124	0.50	0.53	0.57	0.49	0.47
C125	0.58	0.58	0.62	0.01	0.01
C126	0.42	0.42	0.50	0.01	0.01
C127	0.34	0.34	0.82	0.01	0.01
C127_1	0.27	0.43	0.27	0.46	0.27
C127_2	0.16	0.27	0.16	0.15	0.16
C128	1.22	1.22	1.23	0.75	0.01
C128_3	1.15	1.20	1.15	1.38	1.15
C128_4	0.01	1.40	0.01	1.37	0.01
C128_5	1.15	1.15	1.37	0.01	0.01
C129	0.64	0.64	4.31	0.01	0.01
C130_1	0.57	0.57	0.89	0.01	0.01
C131	0.41	0.41	0.46	0.10	0.01
C134	0.01	0.01	9.15	0.01	0.01
C137	0.76	0.76	0.81	0.01	0.01
C139	0.08	0.22	0.08	0.13	0.08
C141	0.01	0.01	0.01	0.21	0.01
C143	0.01	0.01	0.01	0.29	0.01
C144	0.11	0.11	0.22	0.01	0.01
C145	1.01	4.30	1.01	4.68	1.01
C147	0.05	0.05	0.11	0.01	0.01
C15	0.05	0.05	0.24	0.01	0.01
C150	0.01	0.01	0.01	0.14	0.01
C152	0.69	1.19	0.69	0.98	0.69
C153	0.01	0.01	0.68	0.01	0.01
C158	0.01	0.08	0.01	0.08	0.01
C159	0.01	0.01	9.12	0.01	0.01
C164	0.01	0.01	0.01	0.63	0.01
C18	0.01	0.47	0.01	0.25	0.01
C182	0.26	0.26	0.36	0.01	0.01
C183	0.22	0.22	0.34	0.01	0.01
C184	0.01	0.01	8.81	0.01	0.01

C186	0.01	0.01	8.95	0.01	0.01
C187	0.56	0.56	0.65	0.01	0.01
C188	0.41	0.41	0.70	0.01	0.01
C24	0.39	0.39	0.66	0.01	0.01
C25	0.67	0.67	1.01	0.11	0.63
C26	0.73	0.73	1.31	0.01	0.01
C27	1.28	1.59	1.28	0.20	1.25
C28	0.86	1.32	0.86	0.01	0.33
C29	0.01	0.48	0.01	0.01	0.01
C29_1	0.39	0.89	0.39	0.20	0.13
C29_2	0.35	0.35	0.47	0.01	0.01
C3	0.01	0.01	0.47	0.01	0.01
C3_1	0.01	0.39	0.01	0.01	0.01
C32	0.01	0.06	0.01	0.01	0.01
C34	0.01	0.01	0.01	0.34	0.01
C38	0.26	0.29	0.26	0.18	0.26
C39	0.28	0.30	0.28	0.01	0.28
C40	0.01	0.28	0.01	0.01	0.01
C43	0.46	0.46	0.49	0.18	0.01
C44	0.48	0.48	0.55	0.01	0.01
C45	0.55	0.55	0.75	0.06	0.15
C46	0.01	0.01	0.04	0.01	0.01
C46_1	0.01	0.01	10.91	0.01	0.01
C47	0.01	0.78	0.01	0.70	0.01
C48	0.57	0.57	0.80	0.01	0.49
C49	1.06	1.10	1.06	0.08	0.20
C5	0.01	0.01	0.22	0.01	0.01
C50	0.13	1.06	0.13	0.29	0.13
C51	0.01	0.01	0.93	0.01	0.01
C52	0.01	0.69	0.01	0.36	0.01
C53	0.78	0.85	0.79	0.01	0.01
C53_2	0.05	0.05	0.83	0.01	0.01
C54	0.82	0.82	0.82	0.01	0.47
C55	0.81	0.81	0.91	0.01	0.01
C56	0.01	0.93	0.01	0.91	0.01
C57	0.18	0.18	0.35	0.01	0.01
C58	0.30	0.30	0.39	0.01	0.01
C59	0.27	0.27	0.37	0.01	0.01
C6	0.01	0.01	0.13	0.01	0.01
C60	0.25	0.25	0.35	0.01	0.01
C61	0.89	1.06	0.89	0.15	0.27
C62	0.89	0.89	0.92	0.01	0.01
C63	0.93	0.93	1.19	0.32	0.74
C64	1.14	1.14	1.22	0.01	0.01
C65	0.01	0.01	0.46	0.01	0.01
C66	0.53	0.53	1.11	0.01	0.01
C7	0.01	0.01	0.14	0.01	0.01
C70	0.01	0.01	0.66	0.01	0.01
C71	0.01	0.01	0.68	0.01	0.01
C72	0.69	0.70	0.80	0.01	0.01
C72_1	0.78	0.83	0.80	0.01	0.43
C72_2	0.40	0.80	0.40	0.01	0.37
C73	0.40	0.40	0.44	0.01	0.01
C73_2	0.18	0.40	0.18	0.01	0.18
C75	0.01	0.01	0.01	0.01	0.01
C76	0.01	0.01	0.17	0.01	0.01
C77	0.44	1.43	0.44	0.97	0.44

C78	0.01	0.01	0.87	0.01	0.01
C79	0.01	0.82	0.01	0.01	0.01
C8	0.01	0.27	0.01	0.34	0.01
C82	0.01	0.56	0.01	0.01	0.01
C82_1	0.81	0.97	0.81	0.01	0.01
C82_2	0.81	0.81	0.82	0.01	0.81
C83	0.49	0.49	2.66	0.01	0.01
C87	1.49	1.49	2.06	0.01	0.01
C89	0.73	0.73	0.73	0.04	0.28
C90	0.73	0.73	0.81	0.01	0.01
C91	0.01	0.01	0.87	0.01	0.01
C93	0.50	0.50	0.57	0.01	0.01
C95	0.72	0.81	0.72	0.71	0.72
C96	0.72	0.72	1.09	0.01	0.01

Analysis begun on: Wed Sep 14 14:18:24 2022
Analysis ended on: Wed Sep 14 14:18:30 2022
Total elapsed time: 00:00:06

ALTERNATIVE RUNOFF METHOD (ARM) - PCSWMM VERSION 7.4.3240

This is a new version of ARM - your feedback and suggestions are solicited.
Create a ticket, post on the PCSWMM feature request forum, or email us directly!

Simulation start time:	11/01/2021 00:00:00
Simulation end time:	11/01/2021 12:00:00
Runoff wet weather time steps:	60 seconds
Report time steps:	180 seconds
Number of data points:	241

Unit Hydrographs Runoff Method

Subcatchment	Runoff Method	Raingage	Peak UH Flow (CFS/in)	Time to Peak (in)	Time after Peak (min)	Area UH (ac)	Depth (min)	Time of Concentration (min)
Basin1West	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in	8.529	6.5	26.66	59.46517	0.995	10
Basin2West	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in		5.3	21.33	255.37543		29.866 8 0.991
Basin3West	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in		7.7	31.99	72.9573		12.396 12 0.997
Basin4West	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in	5.536	4.7	18.66	53.3797	0.991	7
Basin7East	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in		5.9	23.99	182.32732		23.737 9 0.993
Basin10East	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in	8.904	5.3	21.33	76.1355	0.991	8
Basin5Central	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in		5.9	23.99	197.04439		25.653 9 0.993
Basin6East	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in		5.9	23.99	114.31079		14.882 9 0.993
Basin6Central	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in	4.448	5.3	21.33	38.03355	0.991	8
Basin3Central	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in	5.594	3.5	13.33	72.43231	0.994	5
Basin2Central	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in	6.172	2.3	8	121.61188	0.992	3
Basin1Central	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in		5.3	21.33	121.54831		14.215 8 0.991
Basin4Central	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in		7.7	31.99	83.99271		14.271 12 0.997
Basin4East	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in	7.715	6.5	26.66	53.70087	0.995	10

Basin9East	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		4.254
7	4.7	18.66	41.01829	0.991	
Basin5East	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		2.468
5	3.5	13.33	31.95619	0.994	
Basin8East	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		
13.368 7	4.7	18.66	128.8981		
0.991					
Basin3East	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		
10.054 8	5.3	21.33	85.96881		
0.991					
Basin3.1East	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		5.642
9	5.9	23.99	43.33701	0.993	
Basin2East	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		7.984
8	5.3	21.33	68.26885	0.991	
Basin1East	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		
32.052 10	6.5	26.66	223.47024		
0.995					
Basin1.1West	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		
18.843 11.5	7.4	30.66	115.39746		
0.995					
Basin1.2West	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		5.956
10	6.5	26.66	41.52592	0.995	
Basin2.1West	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		7.295
10	6.5	26.66	50.86158	0.995	
Basin3.4West	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		
11.605 10	6.5	26.66	80.9114		
0.995					
Basin3.3West	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		5.053
6	4.1	16	55.8526	0.993	
Basin3.5West	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		
12.351 13	8.3	34.66	67.43758		
0.999					
Basin3.2West	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		3.736
8	5.3	21.33	31.94544	0.991	
Basin3.1West	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		1.463
3	2.3	8	28.82667	0.992	
Basin5West	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		2.28
4	2.9	10.66	35.62991	0.991	
Basin6West	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		8.24
9	5.9	23.99	63.29263	0.993	
Basin3.2East	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		2.469
9	5.9	23.99	18.96474	0.993	
Basin1.1Central	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		6.376
7	4.7	18.66	61.47922	0.991	

****
ARM Runoff Summary
****

Subcatchment	Total Precip (in)	Total Losses (in)	Total Runoff (in)	Total Runoff 10^6 gal	Peak Runoff CFS	Runoff Coeff (fraction)

Basin1West	4.82	1.261	3.559	0.824	39.715
0.738					
Basin2West	4.82	0.711	4.108	3.332	158.224
0.852					
Basin3West	4.82	1.993	2.827	0.952	45.278
0.586					
Basin4West	4.82	1.685	3.134	0.471	24.443
0.65					
Basin7East	4.82	1.422	3.396	2.189	108.245
0.704					
Basin10East	4.82	2.084	2.736	0.662	34.166
0.568					
Basin5Central	4.82	1.704	3.114	2.169	108.763
0.646					
Basin6East	4.82	1.855	2.964	1.198	60.378
0.615					
Basin6Central	4.82	1.422	3.398	0.41	20.644
0.705					
Basin3Central	4.82	0.906	3.913	0.594	29.824
0.812					
Basin2Central	4.82	0.949	3.842	0.644	32.837
0.797					
Basin1Central	4.82	1.54	3.279	1.266	64.07
0.68					
Basin4Central	4.82	1.422	3.397	1.317	61.64
0.705					
Basin4East	4.82	1.422	3.4	0.712	34.609
0.705					
Basin9East	4.82	1.422	3.397	0.392	20.064
0.705					
Basin5East	4.82	1.312	3.507	0.235	12.23
0.728					
Basin8East	4.82	1.422	3.396	1.233	63.05
0.705					
Basin3East	4.82	1.422	3.398	0.928	46.663
0.705					
Basin3.1East	4.82	1.422	3.396	0.52	25.729
0.705					
Basin2East	4.82	1.54	3.28	0.711	35.986
0.68					
Basin1East	4.82	1.54	3.281	2.856	139.546
0.681					
Basin1.1West	4.82	1.23	3.592	1.838	85.953
0.745					
Basin1.2West	4.82	1.342	3.479	0.563	27.232
0.722					
Basin2.1West	4.82	1.362	3.459	0.685	33.198
0.718					
Basin3.4West	4.82	1.055	3.767	1.187	56.37
0.782					
Basin3.3West	4.82	0.556	4.256	0.584	27.873
0.883					
Basin3.5West	4.82	1.511	3.31	1.11	51.187
0.687					
Basin3.2West	4.82	0.545	4.274	0.434	20.19
0.887					
Basin3.1West	4.82	0.237	4.549	0.181	8.327
0.944					
Basin5West	4.82	0.579	4.241	0.263	12.742
0.88					

Basin6West	4.82	0.744	4.072	0.911	42.734
0.845					
Basin3.2East	4.82	1.521	3.298	0.221	10.991
0.684					
Basin1.1Central	4.82	0.906	3.912	0.677	33.23
0.812					

EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.015)

Post field day
Overland split on Southwood Rd. and Trousdale St.

WARNING 03: negative offset ignored for Link C122_2
WARNING 03: negative offset ignored for Link C124
WARNING 03: negative offset ignored for Link C125
WARNING 03: negative offset ignored for Link C127_1
WARNING 03: negative offset ignored for Link C127_2
WARNING 04: minimum elevation drop used for Conduit C141
WARNING 04: minimum elevation drop used for Conduit C143
WARNING 04: minimum elevation drop used for Conduit C150
WARNING 04: minimum elevation drop used for Conduit C164
WARNING 03: negative offset ignored for Link C8
WARNING 03: negative offset ignored for Link C89
WARNING 04: minimum elevation drop used for Conduit C89
WARNING 03: negative offset ignored for Link C90
WARNING 02: maximum depth increased for Node J1
WARNING 02: maximum depth increased for Node J100
WARNING 02: maximum depth increased for Node J102
WARNING 02: maximum depth increased for Node J103
WARNING 02: maximum depth increased for Node J11
WARNING 02: maximum depth increased for Node J113
WARNING 02: maximum depth increased for Node J114
WARNING 02: maximum depth increased for Node J117
WARNING 02: maximum depth increased for Node J118
WARNING 02: maximum depth increased for Node J12
WARNING 02: maximum depth increased for Node J13
WARNING 02: maximum depth increased for Node J133
WARNING 02: maximum depth increased for Node J134
WARNING 02: maximum depth increased for Node J137
WARNING 02: maximum depth increased for Node J139
WARNING 02: maximum depth increased for Node J14
WARNING 02: maximum depth increased for Node J141
WARNING 02: maximum depth increased for Node J148
WARNING 02: maximum depth increased for Node J149
WARNING 02: maximum depth increased for Node J15
WARNING 02: maximum depth increased for Node J155
WARNING 02: maximum depth increased for Node J156
WARNING 02: maximum depth increased for Node J157
WARNING 02: maximum depth increased for Node J158
WARNING 02: maximum depth increased for Node J159
WARNING 02: maximum depth increased for Node J162
WARNING 02: maximum depth increased for Node J167
WARNING 02: maximum depth increased for Node J17
WARNING 02: maximum depth increased for Node J19

```
WARNING 02: maximum depth increased for Node J2
WARNING 02: maximum depth increased for Node J20
WARNING 02: maximum depth increased for Node J21
WARNING 02: maximum depth increased for Node J22
WARNING 02: maximum depth increased for Node J23
WARNING 02: maximum depth increased for Node J24
WARNING 02: maximum depth increased for Node J25
WARNING 02: maximum depth increased for Node J26
WARNING 02: maximum depth increased for Node J27
WARNING 02: maximum depth increased for Node J28
WARNING 02: maximum depth increased for Node J3
WARNING 02: maximum depth increased for Node J30
WARNING 02: maximum depth increased for Node J31
WARNING 02: maximum depth increased for Node J32
WARNING 02: maximum depth increased for Node J33
WARNING 02: maximum depth increased for Node J34
WARNING 02: maximum depth increased for Node J35
WARNING 02: maximum depth increased for Node J36
WARNING 02: maximum depth increased for Node J37
WARNING 02: maximum depth increased for Node J38
WARNING 02: maximum depth increased for Node J4
WARNING 02: maximum depth increased for Node J45
WARNING 02: maximum depth increased for Node J49
WARNING 02: maximum depth increased for Node J50
WARNING 02: maximum depth increased for Node J52
WARNING 02: maximum depth increased for Node J57
WARNING 02: maximum depth increased for Node J58
WARNING 02: maximum depth increased for Node J59
WARNING 02: maximum depth increased for Node J6
WARNING 02: maximum depth increased for Node J60
WARNING 02: maximum depth increased for Node J61
WARNING 02: maximum depth increased for Node J62
WARNING 02: maximum depth increased for Node J63
WARNING 02: maximum depth increased for Node J64
WARNING 02: maximum depth increased for Node J65
WARNING 02: maximum depth increased for Node J66
WARNING 02: maximum depth increased for Node J7
WARNING 02: maximum depth increased for Node J71
WARNING 02: maximum depth increased for Node J77
WARNING 02: maximum depth increased for Node J8
WARNING 02: maximum depth increased for Node J81
WARNING 02: maximum depth increased for Node J82
WARNING 02: maximum depth increased for Node J85
WARNING 02: maximum depth increased for Node J86
WARNING 02: maximum depth increased for Node J87
WARNING 02: maximum depth increased for Node J89
WARNING 02: maximum depth increased for Node J9
WARNING 02: maximum depth increased for Node J90
WARNING 02: maximum depth increased for Node J92
WARNING 02: maximum depth increased for Node J94
WARNING 02: maximum depth increased for Node J95
WARNING 02: maximum depth increased for Node J96
WARNING 02: maximum depth increased for Node J97
WARNING 02: maximum depth increased for Node J98
WARNING 02: maximum depth increased for Node J99

**********
```

Element Count
****
Number of rain gages 6
Number of subcatchments ... 0
Number of nodes 189
Number of links 231
Number of pollutants 0
Number of land uses 0

****
Raingage Summary
****

Name	Data Source	Data Type	Recording Interval
100YR_24HR_SCS_Type_III_9.58in	100YR_24HR_SCS_Type_III_9.58in	CUMULATIVE	6 min.
10YR_6HR_SCS_Type_III_4in	10YR_6HR_SCS_Type_III_4in	CUMULATIVE	6 min.
25YR_24HR_SCS_Type_III_7.19in	25YR_24HR_SCS_Type_III_7.19in	CUMULATIVE	6 min.
25YR_6HR_SCS_Type_III_4.82in	25YR_6HR_SCS_Type_III_4.82in	CUMULATIVE	6 min.
2YR_6HR_SCS_Type_III_2.86in	2YR_6HR_SCS_Type_III_2.86in	CUMULATIVE	6 min.
5YR_6HR_SCS_Type_III_3.45in	5YR_6HR_SCS_Type_III_3.45in	CUMULATIVE	6 min.

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J1	JUNCTION	848.39	5.60	0.0	
J10	JUNCTION	879.04	7.56	100.0	
J100	JUNCTION	905.61	3.75	0.0	
J101	JUNCTION	963.28	6.00	100.0	
J102	JUNCTION	998.19	1.57	0.0	
J103	JUNCTION	996.01	1.50	0.0	
J104	JUNCTION	980.09	3.20	100.0	
J105	JUNCTION	979.08	3.30	100.0	
J106	JUNCTION	976.93	4.51	100.0	
J107	JUNCTION	990.78	1.33	0.0	
J108	JUNCTION	1008.00	5.20	100.0	
J109	JUNCTION	978.18	3.00	100.0	
J11	JUNCTION	898.40	3.76	0.0	
J110	JUNCTION	1014.00	5.00	100.0	
J111	JUNCTION	1007.80	5.30	100.0	
J112	JUNCTION	998.36	2.90	0.0	
J113	JUNCTION	1037.24	4.90	100.0	
J114	JUNCTION	891.30	8.97	0.0	
J115	JUNCTION	892.11	5.20	0.0	
J116	JUNCTION	894.30	4.30	0.0	
J117	JUNCTION	882.08	8.97	0.0	
J118	JUNCTION	890.79	8.97	0.0	
J119	JUNCTION	890.63	5.20	0.0	
J12	JUNCTION	895.95	3.75	0.0	
J120	JUNCTION	891.47	4.40	0.0	
J121	JUNCTION	892.13	4.20	0.0	
J122	JUNCTION	893.91	3.70	0.0	

J123	JUNCTION	893.13	2.71	0.0
J124	JUNCTION	893.48	3.61	0.0
J125	JUNCTION	881.65	5.77	0.0
J126	JUNCTION	877.62	6.77	0.0
J127	JUNCTION	884.30	5.10	0.0
J128	JUNCTION	882.80	3.98	0.0
J129	JUNCTION	877.05	4.15	0.0
J13	JUNCTION	860.36	7.64	100.0
J130	JUNCTION	862.87	4.72	0.0
J131	JUNCTION	861.66	3.52	0.0
J132	JUNCTION	991.90	5.08	100.0
J133	JUNCTION	983.79	8.56	0.0
J134	JUNCTION	1042.79	3.17	100.0
J135	JUNCTION	977.09	12.01	0.0
J136	JUNCTION	973.46	13.81	0.0
J137	JUNCTION	970.71	5.29	0.0
J138	JUNCTION	971.38	13.62	0.0
J139	JUNCTION	959.50	6.50	0.0
J14	JUNCTION	858.82	9.76	0.0
J140	JUNCTION	931.15	5.34	100.0
J141	JUNCTION	929.49	4.45	0.0
J142	JUNCTION	1046.96	2.78	100.0
J143	JUNCTION	1033.97	4.65	0.0
J144	JUNCTION	966.77	2.73	100.0
J145	JUNCTION	967.65	3.00	100.0
J146	JUNCTION	967.65	2.43	100.0
J147	JUNCTION	1046.25	3.56	100.0
J148	JUNCTION	929.08	3.00	0.0
J149	JUNCTION	1073.88	2.63	100.0
J15	JUNCTION	858.44	8.64	0.0
J150	JUNCTION	1046.00	4.00	100.0
J151	JUNCTION	996.50	3.11	0.0
J152	JUNCTION	982.58	2.30	100.0
J153	JUNCTION	979.33	5.12	100.0
J154	JUNCTION	976.81	5.16	0.0
J155	JUNCTION	977.16	5.29	0.0
J156	JUNCTION	978.64	4.52	0.0
J157	JUNCTION	980.77	3.23	0.0
J158	JUNCTION	980.80	3.20	100.0
J159	JUNCTION	1002.16	6.84	0.0
J16	JUNCTION	856.93	6.36	0.0
J160	JUNCTION	1029.71	1.00	0.0
J161	JUNCTION	1014.00	1.00	0.0
J162	JUNCTION	1003.98	5.02	0.0
J163	JUNCTION	1008.97	5.54	0.0
J164	JUNCTION	1009.11	5.39	0.0
J165	JUNCTION	1011.41	2.98	0.0
J166	JUNCTION	976.00	5.00	0.0
J167	JUNCTION	965.91	3.00	0.0
J168	JUNCTION	912.61	5.18	0.0
J169	JUNCTION	912.00	5.00	0.0
J17	JUNCTION	854.58	6.36	0.0
J170	JUNCTION	908.86	4.80	0.0
J171	JUNCTION	905.27	6.32	0.0
J172	JUNCTION	901.90	8.74	0.0
J173	JUNCTION	910.94	3.85	0.0
J174	JUNCTION	909.90	4.00	0.0

J175	JUNCTION	908.08	4.70	0.0
J176	JUNCTION	901.94	7.47	0.0
J177	JUNCTION	900.54	7.20	0.0
J178	JUNCTION	903.72	3.19	0.0
J179	JUNCTION	898.29	4.45	0.0
J18	JUNCTION	853.55	6.32	0.0
J180	JUNCTION	895.32	4.80	0.0
J181	JUNCTION	890.00	4.59	0.0
J182	JUNCTION	888.43	5.27	0.0
J183	JUNCTION	884.34	2.35	0.0
J184	JUNCTION	861.91	3.50	0.0
J185	JUNCTION	927.55	2.80	0.0
J186	JUNCTION	926.20	3.52	0.0
J19	JUNCTION	848.41	4.34	0.0
J2	JUNCTION	861.21	6.39	0.0
J20	JUNCTION	845.32	9.99	0.0
J21	JUNCTION	863.59	6.88	100.0
J22	JUNCTION	863.98	8.40	100.0
J23	JUNCTION	863.86	11.03	0.0
J24	JUNCTION	864.84	11.03	0.0
J25	JUNCTION	865.83	8.02	0.0
J26	JUNCTION	867.96	5.24	0.0
J27	JUNCTION	871.54	8.97	0.0
J28	JUNCTION	943.21	4.80	0.0
J29	JUNCTION	926.69	4.47	100.0
J3	JUNCTION	853.15	10.09	0.0
J30	JUNCTION	922.02	5.00	0.0
J31	JUNCTION	919.62	7.26	100.0
J32	JUNCTION	919.27	6.35	100.0
J33	JUNCTION	917.74	7.30	0.0
J34	JUNCTION	899.22	9.20	0.0
J35	JUNCTION	908.54	8.20	0.0
J36	JUNCTION	897.71	6.13	0.0
J37	JUNCTION	896.92	6.43	0.0
J38	JUNCTION	887.13	6.43	0.0
J39	JUNCTION	885.67	5.62	0.0
J4	JUNCTION	854.42	9.15	0.0
J40	JUNCTION	903.56	8.96	0.0
J41	JUNCTION	894.45	14.60	0.0
J42	JUNCTION	898.27	8.20	0.0
J43	JUNCTION	895.14	4.23	0.0
J44	JUNCTION	889.39	5.20	0.0
J45	JUNCTION	887.35	8.97	0.0
J46	JUNCTION	1029.23	5.58	100.0
J47	JUNCTION	1029.03	4.84	100.0
J48	JUNCTION	1028.23	4.05	100.0
J49	JUNCTION	1027.18	4.65	0.0
J5	JUNCTION	853.85	8.57	0.0
J50	JUNCTION	1011.69	4.10	100.0
J51	JUNCTION	1005.32	4.55	0.0
J52	JUNCTION	996.69	6.28	100.0
J53	JUNCTION	1072.41	2.60	100.0
J54	JUNCTION	1070.72	2.50	100.0
J55	JUNCTION	1065.60	3.05	100.0
J56	JUNCTION	1050.60	3.20	100.0
J57	JUNCTION	1014.89	2.68	0.0
J58	JUNCTION	1045.75	1.50	0.0

J59	JUNCTION	1034.52	7.50	100.0
J6	JUNCTION	866.40	5.64	0.0
J60	JUNCTION	1021.50	5.90	100.0
J61	JUNCTION	1002.60	5.11	100.0
J62	JUNCTION	1001.78	6.11	100.0
J63	JUNCTION	995.85	4.43	0.0
J64	JUNCTION	986.80	6.96	0.0
J65	JUNCTION	986.54	7.22	0.0
J66	JUNCTION	978.86	5.27	0.0
J67	JUNCTION	982.37	4.70	0.0
J68	JUNCTION	976.97	6.82	0.0
J69	JUNCTION	976.37	5.85	100.0
J7	JUNCTION	875.38	11.00	0.0
J70	JUNCTION	973.41	3.12	100.0
J71	JUNCTION	969.66	3.00	0.0
J72	JUNCTION	1055.62	6.83	100.0
J74	JUNCTION	1052.29	2.20	100.0
J75	JUNCTION	1053.01	3.20	100.0
J76	JUNCTION	1053.68	3.35	100.0
J77	JUNCTION	1028.46	6.26	100.0
J78	JUNCTION	1021.44	4.25	100.0
J79	JUNCTION	1026.15	3.55	100.0
J8	JUNCTION	875.08	10.02	0.0
J80	JUNCTION	1014.55	5.90	100.0
J81	JUNCTION	1015.00	5.55	100.0
J82	JUNCTION	1014.00	6.45	100.0
J83	JUNCTION	1019.80	3.10	0.0
J84	JUNCTION	1018.05	4.75	0.0
J85	JUNCTION	988.25	3.23	0.0
J86	JUNCTION	987.17	3.54	0.0
J87	JUNCTION	986.40	4.54	0.0
J88	JUNCTION	985.65	3.40	0.0
J89	JUNCTION	981.52	5.60	100.0
J9	JUNCTION	875.66	11.00	0.0
J90	JUNCTION	980.25	8.35	0.0
J91	JUNCTION	1048.66	4.60	100.0
J92	JUNCTION	975.95	7.26	100.0
J93	JUNCTION	975.42	4.47	100.0
J94	JUNCTION	973.80	4.61	100.0
J95	JUNCTION	973.39	7.34	100.0
J96	JUNCTION	973.27	6.85	100.0
J97	JUNCTION	964.70	9.36	100.0
J98	JUNCTION	962.53	9.90	0.0
J99	JUNCTION	961.98	6.10	0.0
OF1	OUTFALL	843.04	9.99	0.0
J73	STORAGE	1048.58	6.10	0.0
SU1	STORAGE	948.10	3.90	0.0
SU2	STORAGE	890.46	4.70	0.0

****
Link Summary
****

Name	From Node	To Node	Type	Length	% Slope	Roughness

5	J33	J35	CONDUIT	225.8	
3.6761	0.0110				
C1	J20	OF1	CONDUIT	67.8	
3.3701	0.0300				
C10	J16	J17	CONDUIT	138.2	
1.7001	0.0300				
C100	J119	J118	CONDUIT	17.1	-
0.9335	0.0130				
C101	J118	J117	CONDUIT	112.3	
7.7752	0.0350				
C102	J120	J119	CONDUIT	31.1	
1.7354	0.0130				
C103	J122	J120	CONDUIT	15.7	
15.0984	0.0130				
C104	J121	J120	CONDUIT	29.8	
0.8725	0.0130				
C105	J123	J121	CONDUIT	98.2	
0.7636	0.0130				
C106	J124	J123	CONDUIT	19.8	
0.8096	0.0130				
C107	J39	J27	CONDUIT	204.9	
6.9145	0.0400				
C108	J125	J126	CONDUIT	48.3	
8.1639	0.0130				
C109	J127	J125	CONDUIT	33.9	
2.8324	0.0130				
C110	J128	J126	CONDUIT	57.9	
8.4218	0.0130				
C111	J126	J129	CONDUIT	42.3	
1.2296	0.0130				
C112	J129	J130	CONDUIT	168.9	
8.3840	0.0130				
C113	J130	J131	CONDUIT	50.9	
2.1427	0.0130				
C114	J131	J15	CONDUIT	42.4	
7.6089	0.0130				
C115	J49	J50	CONDUIT	269.6	
5.7545	0.0130				
C116	J31	J32	CONDUIT	17.0	
7.4225	0.0200				
C116_2	J77	J81	CONDUIT	467.7	
3.0310	0.0500				
C117	J61	J62	CONDUIT	31.5	-
0.5709	0.0130				
C118	J52	J132	CONDUIT	80.9	
5.9291	0.0130				
C119	J133	J135	CONDUIT	61.8	
10.8979	0.0130				
C12	J1	J19	CONDUIT	629.1	-
0.0027	0.0130				
C120	J135	J136	CONDUIT	157.0	
2.0390	0.0130				
C121	J102	J107	CONDUIT	196.8	
4.2121	0.0230				
C122	J137	J139	CONDUIT	200.3	
5.6060	0.0240				
C122_1	J136	J138	CONDUIT	76.9	
2.7043	0.0130				
C122_2	J138	J137	CONDUIT	24.7	
2.7121	0.0130				

C123	J139	J140	CONDUIT	673.1	4.1099	0.0130
C124	J140	J141	CONDUIT	82.4	1.8929	0.0240
C125	J141	J29	CONDUIT	67.9	2.1798	0.0130
C126	J147	J150	CONDUIT	11.7	2.1378	0.0130
C127	J142	J150	CONDUIT	17.5	5.4786	0.0130
C127_1	J73	J150	CONDUIT	142.3	1.8133	0.0130
C127_2	J150	J143	CONDUIT	166.6	7.2378	0.0130
C128	J82	J110	CONDUIT	12.1	0.4147	0.0130
C128_1	J141	J148	CONDUIT	73.5	3.8944	0.0300
C128_2	J148	J30	CONDUIT	125.1	4.0485	0.0300
C128_3	J80	J110	CONDUIT	194.5	0.2828	0.0130
C128_4	J111	J151	CONDUIT	220.7	5.1257	0.0240
C128_5	J110	J111	CONDUIT	75.6	8.2259	0.0130
C128_7	J151	J85	CONDUIT	157.3	5.2511	0.0130
C129	J139	J32	CONDUIT	1077.2	3.7513	0.0220
C13	J17	J18	CONDUIT	13.0	7.9280	0.0300
C130	J112	J151	CONDUIT	39.2	2.1959	0.0130
C130_1	J30	J31	CONDUIT	99.8	0.9822	0.0300
C131	J149	J53	CONDUIT	26.1	5.6414	0.0130
C132	J59	J60	CONDUIT	200.0	7.3292	0.0240
C132_1	J149	J113	CONDUIT	365.2	9.4532	0.0220
C133	J156	J155	CONDUIT	19.8	3.5902	0.0200
C134	J57	J61	CONDUIT	98.7	12.2487	0.0240
C135	J58	J134	CONDUIT	41.8	1.8855	0.0300
C136	J134	J59	CONDUIT	87.8	4.4935	0.0220
C137	J144	J101	CONDUIT	19.1	4.3962	0.0130
C138	J57	J61	CONDUIT	100.1	9.8993	0.0200
C139	J155	J154	CONDUIT	31.2	1.1207	0.0130
C14	J18	J1	CONDUIT	170.0	3.0361	0.0300
C140	J62	J63	CONDUIT	119.3	6.3900	0.0200

C141	J64	J65	CONDUIT	36.8	
0.0027	0.0200				
C142	J66	J71	CONDUIT	192.3	
6.8447	0.0240				
C143	J162	J159	CONDUIT	30.6	
0.0033	0.0240				
C144	J156	J155	CONDUIT	17.6	
8.4448	0.0130				
C145	J158	J157	CONDUIT	5.8	
0.5156	0.0240				
C147	J157	J156	CONDUIT	17.9	
12.0180	0.0700				
C148	J35	J34	CONDUIT	224.8	
3.7058	0.0110				
C149	J34	J36	CONDUIT	43.5	
10.5722	0.0110				
C15	J13	J14	CONDUIT	22.3	
6.9280	0.0300				
C150	J22	J21	CONDUIT	14.3	
0.0070	0.0130				
C151	J14	J15	CONDUIT	65.6	
0.7618	0.0200				
C152	J162	J159	CONDUIT	24.4	
7.4931	0.0140				
C153	J159	J158	CONDUIT	392.2	
5.4549	0.0500				
C154	J163	J164	CONDUIT	10.6	-
1.3197	0.0130				
C155	J164	J162	CONDUIT	117.0	
4.3891	0.0700				
C156	J98	J99	CONDUIT	17.4	
13.5980	0.0240				
C157	J165	J163	CONDUIT	35.7	
6.7745	0.0130				
C158	J154	J166	CONDUIT	12.3	
6.5938	0.0300				
C159	J81	J82	CONDUIT	33.0	
16.9258	0.0110				
C16	J2	J13	CONDUIT	55.0	
1.5381	0.0300				
C160	J166	J167	CONDUIT	256.7	
3.9321	0.0240				
C160_3	J82	J85	CONDUIT	460.5	
6.4084	0.0110				
C161	J168	J169	CONDUIT	45.2	
1.3500	0.0130				
C162	J169	J40	CONDUIT	95.0	
8.8905	0.0130				
C163	J113	J59	CONDUIT	31.2	
0.3849	0.0110				
C164	J158	J157	CONDUIT	7.9	
0.0127	0.0240				
C165	J170	J40	CONDUIT	9.9	
3.0317	0.0130				
C166	J89	J90	CONDUIT	21.0	
2.4827	0.0110				
C167	J173	J174	CONDUIT	18.8	
0.4785	0.0130				
C168	J85	J87	CONDUIT	127.1	
0.0464	0.0110				

C169	J174	J175	CONDUIT	41.1	
3.7039	0.0130				
C169_2	J95	J96	CONDUIT	16.9	
3.6067	0.0110				
C169_3	J92	J109	CONDUIT	49.8	
4.0715	0.0110				
C169_4	J109	J95	CONDUIT	11.1	
4.0655	0.0110				
C17	J21	J2	CONDUIT	66.4	
3.5867	0.0300				
C170	J175	J172	CONDUIT	70.7	
4.3764	0.0130				
C170_4	J160	J161	CONDUIT	268.8	
5.8529	0.0350				
C170_6	J161	J52	CONDUIT	309.4	
3.8913	0.0350				
C171	J49	J160	CONDUIT	18.6	
6.0381	0.0350				
C172	J50	J161	CONDUIT	19.0	
4.1617	0.0350				
C173	J176	J41	CONDUIT	9.5	
128.9248	0.0130				
C174	J133	J137	CONDUIT	317.6	
5.1556	0.0110				
C175	J13	J14	CONDUIT	27.0	-
2.1514	0.0240				
C176	J4	J3	CONDUIT	42.1	
0.7795	0.0110				
C177	J19	J20	CONDUIT	6.5	
15.3877	0.0240				
C178	J177	J42	CONDUIT	14.8	
15.5118	0.0130				
C179	J178	J42	CONDUIT	56.6	
9.6750	0.0130				
C18	J22	J21	CONDUIT	12.8	
3.0469	0.0350				
C180	J179	J180	CONDUIT	48.6	
3.8523	0.0130				
C181	J180	J43	CONDUIT	10.4	
0.5776	0.0130				
C182	SU2	J181	CONDUIT	3.7	
7.0713	0.0300				
C183	J181	J44	CONDUIT	8.3	
4.0998	0.0130				
C184	J184	J15	CONDUIT	71.3	
4.8694	0.0130				
C185	J185	J186	CONDUIT	37.3	
3.1676	0.0240				
C186	J186	J31	CONDUIT	123.3	
5.3451	0.0240				
C188	J91	J73	CONDUIT	56.2	
2.5285	0.0130				
C19	J23	J22	CONDUIT	15.7	-
0.7565	0.0350				
C2	J3	J1	CONDUIT	167.0	
2.8539	0.0300				
C20	J24	J23	CONDUIT	60.4	
1.6158	0.0350				
C21	J25	J24	CONDUIT	38.7	
2.5786	0.0350				

C22	J26	J25	CONDUIT	50.0	4.2576	0.0350
C23	J27	J26	CONDUIT	71.5	5.0115	0.0350
C24	J28	J29	CONDUIT	86.6	18.3150	0.0130
C25	J29	J30	CONDUIT	123.9	3.7729	0.0130
C26	J30	J31	CONDUIT	94.8	2.5231	0.0350
C27	J31	J32	CONDUIT	13.3	1.7267	0.0130
C28	J32	J33	CONDUIT	37.8	3.5214	0.0130
C29	J34	J36	CONDUIT	39.2	3.8503	0.0130
C29_1	J33	J35	CONDUIT	220.0	4.1838	0.0130
C29_2	J35	J34	CONDUIT	220.7	4.1837	0.0130
C3	J6	J4	CONDUIT	157.5	7.6283	0.0350
C3_1	J4	J5	CONDUIT	16.1	3.5081	0.0200
C3_2	J5	J3	CONDUIT	19.9	3.5062	0.0200
C30	J36	J37	CONDUIT	61.8	1.2700	0.0350
C31	J37	J38	CONDUIT	119.3	8.2389	0.0350
C32	J38	J39	CONDUIT	37.5	3.8947	0.0300
C33	J171	J172	CONDUIT	8.9	3.2649	0.0130
C33_1	J40	J172	CONDUIT	67.9	2.1662	0.0130
C33_2	J172	J41	CONDUIT	80.0	4.1897	0.0130
C34	J41	J42	CONDUIT	65.0	0.1538	0.0130
C35	J42	J180	CONDUIT	151.0	2.0069	0.0130
C36	J43	J44	CONDUIT	113.2	4.1470	0.0130
C37	J183	J24	CONDUIT	133.6	11.0401	0.0130
C37_1	J44	J182	CONDUIT	19.0	5.0511	0.0130
C37_2	J182	J45	CONDUIT	21.4	5.0520	0.0240
C38	J46	J47	CONDUIT	28.9	0.6923	0.0130
C39	J47	J48	CONDUIT	26.0	3.0787	0.0130
C4	J9	J7	CONDUIT	36.6	0.7648	0.0200
C4_1	J7	J8	CONDUIT	23.2	1.2936	0.0350
C4_2	J8	J6	CONDUIT	132.2	6.5817	0.0350

C40	J48	J49	CONDUIT	39.2	2.6820	0.0130
C41	J50	J51	CONDUIT	131.4	4.8138	0.0130
C42	J51	J52	CONDUIT	181.9	4.7156	0.0130
C43	J53	J54	CONDUIT	41.8	3.8027	0.0130
C44	J54	J55	CONDUIT	73.5	6.5676	0.0130
C45	J55	J56	CONDUIT	126.2	11.7638	0.0240
C46	J132	J133	CONDUIT	152.3	5.3320	0.0130
C46_1	J58	J134	CONDUIT	39.1	7.5956	0.0400
C46_2	J134	J113	CONDUIT	73.5	5.2095	0.0230
C47	J56	J58	CONDUIT	119.5	4.0625	0.0240
C48	J59	J60	CONDUIT	196.9	6.5253	0.0130
C49	J61	J62	CONDUIT	29.3	2.7633	0.0130
C5	J10	J9	CONDUIT	26.5	12.8583	0.0350
C50	J62	J63	CONDUIT	114.5	5.1838	0.0130
C51	J63	J64	CONDUIT	147.2	6.1595	0.0350
C52	J64	J65	CONDUIT	33.3	0.7805	0.0130
C53	J66	J68	CONDUIT	15.7	10.1699	0.0130
C53_1	J65	J67	CONDUIT	109.9	3.7993	0.0350
C53_2	J67	J66	CONDUIT	92.4	3.7961	0.0350
C54	J68	J69	CONDUIT	70.7	0.8487	0.0130
C55	J69	J70	CONDUIT	104.7	2.6852	0.0130
C56	J70	J71	CONDUIT	97.7	3.8415	0.0240
C57	J72	J73	CONDUIT	217.5	3.1461	0.0130
C58	J74	J73	CONDUIT	45.0	4.6907	0.0130
C59	J75	J73	CONDUIT	42.1	6.2528	0.0130
C6	J11	J10	CONDUIT	160.9	12.1204	0.0350
C60	J76	J73	CONDUIT	48.8	6.5780	0.0130
C61	J77	J79	CONDUIT	84.9	2.6053	0.0240
C62	J79	J78	CONDUIT	46.0	9.9632	0.0240
C63	J78	J80	CONDUIT	152.5	4.4248	0.0240

C64	J81	J82	CONDUIT	31.2	3.0438	0.0130
C65	J83	J84	CONDUIT	28.1	6.0536	0.0130
C66	J84	J81	CONDUIT	30.8	8.4762	0.0130
C67	J85	J86	CONDUIT	102.1	1.0612	0.0240
C68	J86	J87	CONDUIT	19.8	3.8539	0.0240
C69	J87	J88	CONDUIT	14.5	5.2122	0.0240
C7	J12	J10	CONDUIT	166.7	10.1972	0.0350
C70	J88	J89	CONDUIT	54.5	7.5991	0.0240
C71	J89	J90	CONDUIT	19.1	6.6584	0.0240
C72	J152	J153	CONDUIT	17.1	5.8556	0.0130
C72_1	J90	J153	CONDUIT	23.7	3.9002	0.0130
C72_2	J153	J106	CONDUIT	70.7	3.3854	0.0130
C73	J104	J105	CONDUIT	40.8	1.9870	0.0130
C73_2	J106	J92	CONDUIT	42.7	2.3084	0.0130
C74	J92	J93	CONDUIT	11.1	4.7776	0.0240
C75	J93	J94	CONDUIT	37.4	4.3155	0.0240
C76	J94	J95	CONDUIT	10.8	3.8243	0.0240
C77	J95	J96	CONDUIT	16.5	0.7328	0.0200
C78	J96	J97	CONDUIT	159.8	5.3718	0.0240
C79	J98	J99	CONDUIT	15.5	3.5564	0.0130
C8	J14	J15	CONDUIT	61.9	0.6168	0.0300
C80	SU1	J11	CONDUIT	663.7	7.5091	0.0350
C80_2	J100	J12	CONDUIT	184.4	5.2484	0.0350
C80_3	J71	J167	CONDUIT	71.5	5.2489	0.0130
C80_4	J167	J100	CONDUIT	1151.0	5.2463	0.0130
C81	J99	SU1	CONDUIT	831.8	1.6689	0.0130
C82	J102	J103	CONDUIT	145.8	1.4950	0.0130
C82_1	J97	J101	CONDUIT	43.4	3.2716	0.0130
C82_2	J101	J98	CONDUIT	42.0	1.7879	0.0130
C83	J105	J106	CONDUIT	44.6	4.8218	0.0130

C85	J60	J57	CONDUIT	83.6	
11.8461	0.0240				
C85_1	J90	J92	CONDUIT	139.6	
3.8680	0.0240				
C86	J28	J148	CONDUIT	86.0	
20.0892	0.0240				
C87	J108	J111	CONDUIT	22.3	
0.8965	0.0130				
C88	J32	J33	CONDUIT	43.1	
1.3473	0.0130				
C89	J145	J146	CONDUIT	43.0	
0.0023	0.0130				
C9	J15	J16	CONDUIT	11.2	
13.6396	0.0300				
C90	J146	J101	CONDUIT	43.3	
4.7851	0.0130				
C91	J143	J77	CONDUIT	110.6	
4.9863	0.0300				
C92	J107	J98	CONDUIT	662.5	
3.2246	0.0230				
C93	J113	J59	CONDUIT	29.0	
9.4192	0.0130				
C94	J97	J98	CONDUIT	86.4	
1.8863	0.0110				
C95	J60	J57	CONDUIT	79.7	
8.3201	0.0130				
C96	J57	J61	CONDUIT	95.7	
12.7355	0.0130				
C97	J114	J117	CONDUIT	179.8	
5.1330	0.0350				
C97_1	J45	J117	CONDUIT	174.9	
3.0135	0.0350				
C97_2	J117	J27	CONDUIT	358.8	
2.9401	0.0350				
C98	J116	J115	CONDUIT	40.6	
5.1553	0.0130				
C99	J115	J114	CONDUIT	16.5	
4.9138	0.0130				
C11	J19	J20	WEIR		
C84	J103	J104	WEIR		

****
Cross Section Summary
****

Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
5	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	514.48
C1	XS1	9.99	238.32	6.06	30.55	1	7203.86
C10	XS11	6.36	52.31	2.72	10.60	1	657.98
C100	CIRCULAR	2.50	4.91	0.63	2.50	1	39.63

C101	XS28	8.97	139.40	0.70	29.94	1	1306.86
C102	CIRCULAR	2.50	4.91	0.63	2.50	1	54.03
C103	CIRCULAR	1.50	1.77	0.38	1.50	1	40.82
C104	CIRCULAR	2.00	3.14	0.50	2.00	1	21.13
C105	CIRCULAR	1.50	1.77	0.38	1.50	1	9.18
C106	CIRCULAR	1.50	1.77	0.38	1.50	1	9.45
C107	XS29	3.98	58.71	1.70	32.88	1	815.30
C108	CIRCULAR	2.00	3.14	0.50	2.00	1	64.64
C109	CIRCULAR	2.00	3.14	0.50	2.00	1	38.07
C110	CIRCULAR	1.50	1.77	0.38	1.50	1	30.48
C111	CIRCULAR	2.00	3.14	0.50	2.00	1	25.09
C112	CIRCULAR	2.00	3.14	0.50	2.00	1	65.50
C113	CIRCULAR	2.00	3.14	0.50	2.00	1	33.11
C114	CIRCULAR	2.00	3.14	0.50	2.00	1	62.40
C115	CIRCULAR	3.00	7.07	0.75	3.00	1	160.00
C116	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	402.08
C116_2	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1	206.06
C117	RECT_OPEN	1.00	27.00	0.93	27.00	1	222.36
C118	CIRCULAR	3.00	7.07	0.75	3.00	1	162.41
C119	CIRCULAR	3.50	9.62	0.88	3.50	1	332.13
C12	TRAPEZOIDAL	2.50	1275.00	2.45	520.00	1	1376.51
C120	CIRCULAR	3.50	9.62	0.88	3.50	1	143.66
C121	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	51.62
C122	RECT_OPEN	4.00	14.00	1.22	3.50	1	234.00
C122_1	ARCH	3.00	10.64	0.90	4.50	1	186.01
C122_2	ARCH	3.00	10.64	0.90	4.50	1	186.28
C123	CIRCULAR	2.50	4.91	0.63	2.50	1	83.15
C124	CIRCULAR	2.50	4.91	0.63	2.50	1	30.57
C125	CIRCULAR	2.50	4.91	0.63	2.50	1	60.56
C126	CIRCULAR	1.50	1.77	0.38	1.50	1	15.36

C127	CIRCULAR	1.00	0.79	0.25	1.00	1
8.34						
C127_1	CIRCULAR	2.50	4.91	0.63	2.50	1
55.23						
C127_2	CIRCULAR	2.50	4.91	0.63	2.50	1
110.35						
C128	CIRCULAR	1.67	2.19	0.42	1.67	1
9.01						
C128_1	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
194.16						
C128_2	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1
628.29						
C128_3	CIRCULAR	2.50	4.91	0.63	2.50	1
21.81						
C128_4	CIRCULAR	2.00	3.14	0.50	2.00	1
27.74						
C128_5	CIRCULAR	2.50	4.91	0.63	2.50	1
117.64						
C128_7	CIRCULAR	2.50	4.91	0.63	2.50	1
93.99						
C129	RECT_OPEN	1.00	24.00	0.92	24.00	1
297.66						
C13	RECT_CLOSED	4.30	33.54	1.39	7.80	1
581.49						
C130	CIRCULAR	1.25	1.23	0.31	1.25	1
9.57						
C130_1	TRAPEZOIDAL	1.00	24.00	0.85	28.00	1
105.69						
C131	CIRCULAR	1.50	1.77	0.38	1.50	1
24.95						
C132	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
166.42						
C132_1	RECT_OPEN	1.00	5.00	0.71	5.00	1
82.97						
C133	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
139.77						
C134	RECT_OPEN	0.71	1.60	0.44	2.25	1
19.88						
C135	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1
79.81						
C136	RECT_OPEN	1.00	27.00	0.93	27.00	1
368.61						
C137	CIRCULAR	1.25	1.23	0.31	1.25	1
13.54						
C138	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
232.09						
C139	CIRCULAR	2.50	4.91	0.63	2.50	1
43.42						
C14	XS10	5.60	55.08	2.13	19.46	1
787.64						
C140	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1
220.38						
C141	TRAPEZOIDAL	2.00	36.00	1.36	26.00	1
17.11						
C142	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1
190.07						
C143	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1
22.30						
C144	CIRCULAR	2.50	4.91	0.63	2.50	1
119.20						

C145	CIRCULAR	0.67	0.35	0.17	0.67	1
0.48						
C147	RECT_OPEN	2.50	7.50	0.94	3.00	1
52.87						
C148	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
258.19						
C149	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
436.10						
C15	XS14	4.64	44.90	2.40	20.83	1
1050.32						
C150	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
18.99						
C151	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1
408.83						
C152	CIRCULAR	1.00	0.79	0.25	1.00	1
9.06						
C153	RECT_OPEN	2.50	7.50	0.94	3.00	1
49.87						
C154	CIRCULAR	1.50	1.77	0.38	1.50	1
12.07						
C155	RECT_OPEN	2.50	7.50	0.94	3.00	1
31.95						
C156	TRAPEZOIDAL	1.00	16.00	0.90	17.00	1
339.89						
C157	CIRCULAR	1.00	0.79	0.25	1.00	1
9.27						
C158	CIRCULAR	2.50	4.91	0.63	2.50	1
45.64						
C159	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
2213.36						
C16	XS15	6.39	91.07	3.40	28.37	1
1263.79						
C160	RECT_OPEN	2.50	10.00	1.11	4.00	1
131.71						
C160_3	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
1361.93						
C161	CIRCULAR	1.50	1.77	0.38	1.50	1
12.20						
C162	CIRCULAR	2.50	4.91	0.63	2.50	1
122.30						
C163	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
83.21						
C164	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
13.87						
C165	CIRCULAR	1.00	0.79	0.25	1.00	1
6.20						
C166	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
847.70						
C167	CIRCULAR	1.00	0.79	0.25	1.00	1
2.46						
C168	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
115.93						
C169	CIRCULAR	1.50	1.77	0.38	1.50	1
20.22						
C169_2	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6354.63						
C169_3	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6751.74						
C169_4	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6746.76						

C17	XS16	5.78	75.72	1.54	34.13	1
948.95						
C170	CIRCULAR	1.50	1.77	0.38	1.50	1
21.98						
C170_4	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
101.98						
C170_6	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
83.15						
C171	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
52.42						
C172	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
43.52						
C173	ARCH	1.50	2.80	0.45	2.38	1
213.41						
C174	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
154.14						
C175	TRAPEZOIDAL	3.00	54.00	2.30	21.00	1
854.34						
C176	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
118.41						
C177	TRAPEZOIDAL	2.00	24.00	1.53	14.00	1
774.95						
C178	CIRCULAR	1.50	1.77	0.38	1.50	1
41.37						
C179	CIRCULAR	1.50	1.77	0.38	1.50	1
32.67						
C18	ARCH	4.00	31.52	1.20	10.00	1
263.22						
C180	CIRCULAR	1.50	1.77	0.38	1.50	1
20.62						
C181	CIRCULAR	3.00	7.07	0.75	3.00	1
50.69						
C182	CIRCULAR	0.67	0.35	0.17	0.67	1
1.41						
C183	CIRCULAR	1.25	1.23	0.31	1.25	1
13.08						
C184	CIRCULAR	1.50	1.77	0.38	1.50	1
23.18						
C185	CIRCULAR	1.00	0.79	0.25	1.00	1
3.43						
C186	CIRCULAR	1.50	1.77	0.38	1.50	1
13.15						
C188	CIRCULAR	1.25	1.23	0.31	1.25	1
10.27						
C19	XS17	8.40	188.17	4.94	35.59	1
2015.69						
C2	XS2	5.38	99.15	3.52	24.27	1
1918.56						
C20	XS18	11.03	217.69	6.41	34.67	1
4055.42						
C21	XS19	8.02	133.18	2.95	30.03	1
1868.33						
C22	XS20	5.24	77.90	2.23	23.90	1
1166.20						
C23	XS21	5.11	77.61	3.04	26.97	1
1547.01						
C24	CIRCULAR	2.00	3.14	0.50	2.00	1
96.81						
C25	CIRCULAR	2.50	4.91	0.63	2.50	1
79.67						

C26	XS22	3.53	48.41	1.64	28.19	1
453.10						
C27	CIRCULAR	2.50	4.91	0.63	2.50	1
53.90						
C28	CIRCULAR	2.50	4.91	0.63	2.50	1
76.97						
C29	CIRCULAR	3.50	9.62	0.88	3.50	1
197.42						
C29_1	CIRCULAR	2.50	4.91	0.63	2.50	1
83.90						
C29_2	CIRCULAR	3.50	9.62	0.88	3.50	1
205.79						
C3	XS3	4.55	95.83	3.21	25.34	1
2443.35						
C3_1	RECT_CLOSED	5.00	55.00	1.72	11.00	1
1098.24						
C3_2	RECT_CLOSED	6.00	66.00	1.94	11.00	1
1428.87						
C30	XS23	4.08	74.78	2.57	32.83	1
671.71						
C31	XS24	6.43	125.90	3.87	37.26	1
3779.07						
C32	RECT_CLOSED	4.00	40.00	1.43	10.00	1
495.98						
C33	CIRCULAR	1.50	1.77	0.38	1.50	1
18.98						
C33_1	CIRCULAR	2.50	4.91	0.63	2.50	1
60.37						
C33_2	CIRCULAR	3.00	7.07	0.75	3.00	1
136.52						
C34	CIRCULAR	3.00	7.07	0.75	3.00	1
26.15						
C35	CIRCULAR	3.00	7.07	0.75	3.00	1
94.49						
C36	CIRCULAR	3.00	7.07	0.75	3.00	1
135.83						
C37	CIRCULAR	1.25	1.23	0.31	1.25	1
21.46						
C37_1	CIRCULAR	3.00	7.07	0.75	3.00	1
149.90						
C37_2	CIRCULAR	3.00	7.07	0.75	3.00	1
81.20						
C38	CIRCULAR	3.00	7.07	0.75	3.00	1
55.50						
C39	CIRCULAR	2.50	4.91	0.63	2.50	1
71.97						
C4	CIRCULAR	11.00	95.03	2.75	11.00	1
1212.05						
C4_1	XS7	10.02	77.59	2.93	16.77	1
766.62						
C4_2	XS4	5.64	119.40	3.66	29.37	1
3090.82						
C40	CIRCULAR	2.50	4.91	0.63	2.50	1
67.17						
C41	CIRCULAR	3.00	7.07	0.75	3.00	1
146.34						
C42	CIRCULAR	3.00	7.07	0.75	3.00	1
144.84						
C43	CIRCULAR	1.50	1.77	0.38	1.50	1
20.48						

C44	CIRCULAR	2.00	3.14	0.50	2.00	1
57.98						
C45	CIRCULAR	2.00	3.14	0.50	2.00	1
42.03						
C46	CIRCULAR	3.50	9.62	0.88	3.50	1
232.32						
C46_1	TRAPEZOIDAL	1.00	5.00	0.73	6.00	1
41.59						
C46_2	Street1-ValleyGutters	0.70	9.13	0.28	37.00	
1 57.41						
C47	CIRCULAR	1.50	1.77	0.38	1.50	2
11.47						
C48	CIRCULAR	1.67	2.19	0.42	1.67	1
35.73						
C49	CIRCULAR	1.50	1.77	0.38	1.50	1
17.46						
C5	XS5	7.55	124.26	4.38	21.74	1
5068.01						
C50	CIRCULAR	1.50	1.77	0.38	1.50	1
23.92						
C51	XS25	2.17	19.95	0.98	19.55	1
207.15						
C52	CIRCULAR	3.00	7.07	0.75	3.00	1
58.93						
C53	CIRCULAR	2.50	4.91	0.63	2.50	1
130.80						
C53_1	XS26	3.96	28.25	1.90	11.38	1
358.74						
C53_2	XS27	2.82	15.24	1.42	7.80	1
159.60						
C54	ARCH	2.00	6.30	0.60	4.00	1
47.12						
C55	CIRCULAR	2.50	4.91	0.63	2.50	1
67.21						
C56	CIRCULAR	2.00	3.14	0.50	2.00	1
24.02						
C57	CIRCULAR	2.50	4.91	0.63	2.50	1
72.75						
C58	CIRCULAR	1.25	1.23	0.31	1.25	1
13.99						
C59	CIRCULAR	1.25	1.23	0.31	1.25	1
16.15						
C6	XS8	3.76	38.43	2.26	12.47	1
979.41						
C60	CIRCULAR	1.25	1.23	0.31	1.25	1
16.57						
C61	CIRCULAR	2.50	4.91	0.63	2.50	1
35.86						
C62	CIRCULAR	2.50	4.91	0.63	2.50	1
70.13						
C63	CIRCULAR	2.50	4.91	0.63	2.50	1
46.74						
C64	CIRCULAR	1.67	2.19	0.42	1.67	1
24.40						
C65	CIRCULAR	1.67	2.19	0.42	1.67	1
34.41						
C66	CIRCULAR	1.67	2.19	0.42	1.67	1
40.72						
C67	Trous1	3.23	26.17	1.80	9.45	1
247.10						

C68	Trous2	3.54	28.38	1.99	8.61	1
545.43						
C69	Trous3	3.40	37.44	2.20	12.94	1
896.26						
C7	XS9	3.75	85.07	2.47	33.46	1
2105.63						
C70	Trous3	3.40	37.44	2.20	12.94	1
1082.18						
C71	Trous4-5	4.71	28.45	2.04	7.89	1
730.46						
C72	CIRCULAR	1.25	1.23	0.31	1.25	1
15.63						
C72_1	CIRCULAR	3.50	9.62	0.88	3.50	1
198.69						
C72_2	CIRCULAR	3.50	9.62	0.88	3.50	1
185.12						
C73	ARCH	1.00	1.32	0.30	1.67	1
9.48						
C73_2	CIRCULAR	3.50	9.62	0.88	3.50	1
152.86						
C74	Trous6	4.31	18.52	1.70	4.86	1
357.06						
C75	Trous7	4.47	21.79	1.76	6.63	1
408.41						
C76	Trous8	4.61	21.15	1.48	7.05	1
331.89						
C77	RECT_CLOSED	2.50	10.00	0.77	4.00	1
53.40						
C78	Trous10	3.75	22.25	1.42	10.55	1
403.94						
C79	CIRCULAR	3.50	9.62	0.88	3.50	1
189.73						
C8	RECT_CLOSED	4.50	45.00	1.55	10.00	1
234.63						
C80	XS8	3.76	38.43	2.26	12.47	1
770.90						
C80_2	XS9	3.75	85.07	2.47	33.46	1
1510.62						
C80_3	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1
2343.69						
C80_4	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1
2343.11						
C81	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1
1321.52						
C82	CIRCULAR	1.00	0.79	0.25	1.00	1
4.36						
C82_1	CIRCULAR	3.50	9.62	0.88	3.50	1
181.98						
C82_2	CIRCULAR	3.50	9.62	0.88	3.50	1
134.53						
C83	ARCH	1.00	1.32	0.30	1.67	1
14.77						
C85	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
211.58						
C85_1	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
3016.20						
C86	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
275.52						
C87	CIRCULAR	1.25	1.23	0.31	1.25	1
6.12						

C88	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	263.55
C89	CIRCULAR	1.25	1.23	0.31	1.25	1	0.31
C9	XS11	6.36	52.31	2.72	10.60	1	1863.70
C90	CIRCULAR	1.25	1.23	0.31	1.25	1	14.13
C91	RECT_OPEN	3.80	16.72	1.39	4.40	1	230.71
C92	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	45.17
C93	CIRCULAR	1.67	2.19	0.42	1.67	1	42.92
C94	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1	4595.61
C95	CIRCULAR	1.50	1.77	0.38	1.50	1	30.30
C96	CIRCULAR	1.50	1.77	0.38	1.50	1	37.49
C97	XS28	8.97	139.40	0.70	29.94	1	1061.84
C97_1	XS28	8.97	139.40	0.70	29.94	1	813.59
C97_2	XS28	8.97	139.40	0.70	29.94	1	803.62
C98	CIRCULAR	1.50	1.77	0.38	1.50	1	23.85
C99	CIRCULAR	1.50	1.77	0.38	1.50	1	23.29

****
Transect Summary
****

Transect Spillway
Area:

0.0014	0.0045	0.0085	0.0135	0.0195	
0.0265	0.0345	0.0434	0.0534	0.0643	
0.0762	0.0890	0.1029	0.1177	0.1335	
0.1503	0.1681	0.1869	0.2067	0.2274	
0.2491	0.2718	0.2955	0.3201	0.3457	
0.3716	0.3975	0.4235	0.4494	0.4754	
0.5014	0.5275	0.5536	0.5797	0.6058	
0.6319	0.6581	0.6843	0.7105	0.7368	
0.7630	0.7893	0.8156	0.8420	0.8683	
0.8946	0.9209	0.9473	0.9736	1.0000	

Hrad:

0.0163	0.0366	0.0544	0.0709	0.0868
0.1023	0.1175	0.1325	0.1474	0.1623
0.1770	0.1917	0.2064	0.2210	0.2356
0.2502	0.2647	0.2792	0.2937	0.3082
0.3227	0.3372	0.3517	0.3661	0.3841
0.4110	0.4377	0.4642	0.4905	0.5166
0.5425	0.5682	0.5937	0.6190	0.6441
0.6691	0.6938	0.7184	0.7428	0.7670

```
            0.7911     0.8150     0.8387     0.8623     0.8857
            0.9089     0.9319     0.9548     0.9775     1.0000
Width:
            0.0971     0.1343     0.1716     0.2088     0.2461
            0.2833     0.3206     0.3578     0.3951     0.4324
            0.4696     0.5069     0.5441     0.5814     0.6186
            0.6559     0.6931     0.7304     0.7676     0.8049
            0.8421     0.8794     0.9166     0.9539     0.9812
            0.9822     0.9832     0.9842     0.9852     0.9862
            0.9872     0.9882     0.9892     0.9901     0.9911
            0.9921     0.9931     0.9941     0.9951     0.9961
            0.9970     0.9973     0.9976     0.9980     0.9983
            0.9987     0.9990     0.9993     0.9997     1.0000

Transect Street1
Area:
            0.0004     0.0017     0.0037     0.0066     0.0103
            0.0149     0.0202     0.0264     0.0335     0.0413
            0.0500     0.0595     0.0698     0.0810     0.0930
            0.1058     0.1194     0.1339     0.1492     0.1653
            0.1822     0.2000     0.2186     0.2380     0.2582
            0.2793     0.3012     0.3239     0.3475     0.3719
            0.3971     0.4231     0.4499     0.4776     0.5061
            0.5355     0.5656     0.5965     0.6275     0.6585
            0.6895     0.7207     0.7527     0.7856     0.8192
            0.8537     0.8891     0.9252     0.9622     1.0000
Hrad:
            0.0167     0.0333     0.0500     0.0667     0.0833
            0.1000     0.1167     0.1333     0.1500     0.1667
            0.1833     0.2000     0.2167     0.2333     0.2500
            0.2667     0.2833     0.3000     0.3167     0.3333
            0.3500     0.3667     0.3833     0.4000     0.4167
            0.4333     0.4500     0.4667     0.4833     0.5000
            0.5167     0.5333     0.5500     0.5667     0.5833
            0.6000     0.6167     0.6415     0.6745     0.7074
            0.7403     0.7731     0.8049     0.8355     0.8651
            0.8938     0.9216     0.9485     0.9746     1.0000
Width:
            0.0216     0.0432     0.0649     0.0865     0.1081
            0.1297     0.1514     0.1730     0.1946     0.2162
            0.2378     0.2595     0.2811     0.3027     0.3243
            0.3459     0.3676     0.3892     0.4108     0.4324
            0.4541     0.4757     0.4973     0.5189     0.5405
            0.5622     0.5838     0.6054     0.6270     0.6486
            0.6703     0.6919     0.7135     0.7351     0.7568
            0.7784     0.8000     0.8108     0.8108     0.8108
            0.8108     0.8270     0.8486     0.8703     0.8919
            0.9135     0.9351     0.9568     0.9784     1.0000

Transect Street1-ValleyGutters
Area:
            0.0002     0.0007     0.0015     0.0026     0.0041
            0.0059     0.0081     0.0105     0.0133     0.0165
            0.0199     0.0237     0.0278     0.0323     0.0371
            0.0422     0.0476     0.0534     0.0594     0.0659
            0.0726     0.0799     0.0890     0.0998     0.1124
            0.1269     0.1432     0.1613     0.1812     0.2029
```

0.2265 0.2518 0.2790 0.3080 0.3389
0.3715 0.4060 0.4423 0.4804 0.5203
0.5620 0.6056 0.6510 0.6970 0.7430
0.7901 0.8394 0.8908 0.9443 1.0000
Hrad:
0.0242 0.0484 0.0726 0.0968 0.1210
0.1452 0.1694 0.1936 0.2178 0.2420
0.2661 0.2903 0.3145 0.3387 0.3629
0.3871 0.4113 0.4355 0.4597 0.4839
0.5081 0.4784 0.4353 0.4131 0.4033
0.4016 0.4053 0.4131 0.4237 0.4365
0.4511 0.4670 0.4840 0.5020 0.5206
0.5399 0.5597 0.5800 0.6006 0.6216
0.6429 0.6645 0.6900 0.7381 0.7861
0.8333 0.8779 0.9203 0.9609 1.0000
Width:
0.0058 0.0116 0.0174 0.0232 0.0290
0.0348 0.0406 0.0464 0.0522 0.0580
0.0638 0.0696 0.0754 0.0812 0.0870
0.0928 0.0986 0.1044 0.1102 0.1160
0.1218 0.1426 0.1747 0.2067 0.2387
0.2708 0.3028 0.3348 0.3669 0.3989
0.4310 0.4630 0.4950 0.5271 0.5591
0.5911 0.6232 0.6552 0.6872 0.7193
0.7513 0.7834 0.8108 0.8108 0.8108
0.8486 0.8865 0.9243 0.9622 1.0000

Transect Trous1
Area:
0.0164 0.0352 0.0541 0.0730 0.0920
0.1110 0.1300 0.1492 0.1683 0.1876
0.2069 0.2262 0.2456 0.2650 0.2845
0.3041 0.3237 0.3434 0.3631 0.3828
0.4027 0.4225 0.4425 0.4624 0.4825
0.5026 0.5227 0.5429 0.5632 0.5835
0.6038 0.6242 0.6447 0.6652 0.6858
0.7064 0.7271 0.7478 0.7686 0.7894
0.8103 0.8313 0.8523 0.8733 0.8943
0.9154 0.9365 0.9576 0.9787 1.0000
Hrad:
0.0309 0.0651 0.0983 0.1305 0.1618
0.1922 0.2217 0.2504 0.2784 0.3056
0.3321 0.3580 0.3832 0.4078 0.4317
0.4552 0.4780 0.5004 0.5222 0.5436
0.5644 0.5849 0.6049 0.6245 0.6437
0.6625 0.6809 0.6989 0.7167 0.7340
0.7511 0.7678 0.7843 0.8004 0.8163
0.8319 0.8472 0.8622 0.8770 0.8916
0.9059 0.9206 0.9392 0.9575 0.9758
0.9938 1.0118 1.0295 1.0472 1.0000
Width:
0.8047 0.8070 0.8093 0.8116 0.8139
0.8162 0.8185 0.8208 0.8231 0.8254
0.8277 0.8300 0.8323 0.8346 0.8369
0.8392 0.8415 0.8438 0.8461 0.8484
0.8507 0.8530 0.8553 0.8576 0.8599
0.8622 0.8645 0.8668 0.8691 0.8714

0.8737 0.8760 0.8783 0.8806 0.8829
0.8852 0.8875 0.8898 0.8921 0.8944
0.8966 0.8988 0.8999 0.9010 0.9021
0.9032 0.9043 0.9054 0.9066 1.0000

Transect Trous10
Area:
0.0105 0.0234 0.0364 0.0495 0.0626
0.0758 0.0891 0.1025 0.1159 0.1294
0.1430 0.1567 0.1704 0.1842 0.1981
0.2121 0.2261 0.2402 0.2544 0.2687
0.2830 0.2974 0.3119 0.3264 0.3411
0.3558 0.3706 0.3863 0.4052 0.4254
0.4467 0.4692 0.4928 0.5177 0.5438
0.5711 0.5995 0.6292 0.6597 0.6903
0.7209 0.7516 0.7822 0.8129 0.8437
0.8745 0.9055 0.9366 0.9678 1.0000
Hrad:
0.0418 0.0895 0.1341 0.1759 0.2151
0.2521 0.2869 0.3199 0.3512 0.3809
0.4091 0.4360 0.4617 0.4863 0.5099
0.5324 0.5541 0.5750 0.5950 0.6144
0.6331 0.6511 0.6686 0.6855 0.7018
0.7177 0.7331 0.6667 0.6676 0.6703
0.6746 0.6802 0.6871 0.6951 0.7041
0.7139 0.7245 0.7358 0.7619 0.7928
0.8234 0.8537 0.8836 0.9133 0.9427
0.9717 1.0002 1.0284 1.0562 1.0000
Width:
0.3622 0.3643 0.3664 0.3685 0.3706
0.3727 0.3748 0.3769 0.3790 0.3811
0.3832 0.3853 0.3874 0.3895 0.3916
0.3937 0.3958 0.3979 0.4000 0.4021
0.4042 0.4063 0.4084 0.4106 0.4127
0.4148 0.4169 0.5153 0.5489 0.5824
0.6160 0.6495 0.6831 0.7167 0.7502
0.7838 0.8173 0.8509 0.8603 0.8611
0.8618 0.8626 0.8634 0.8642 0.8662
0.8695 0.8728 0.8761 0.8794 1.0000

Transect Trous2
Area:
0.0100 0.0288 0.0477 0.0667 0.0857
0.1047 0.1238 0.1430 0.1622 0.1815
0.2008 0.2202 0.2397 0.2592 0.2788
0.2984 0.3181 0.3379 0.3577 0.3775
0.3975 0.4174 0.4375 0.4576 0.4777
0.4980 0.5182 0.5386 0.5589 0.5794
0.5999 0.6204 0.6411 0.6617 0.6825
0.7033 0.7241 0.7450 0.7660 0.7870
0.8081 0.8292 0.8504 0.8717 0.8930
0.9143 0.9357 0.9571 0.9785 1.0000
Hrad:
0.0187 0.0529 0.0860 0.1180 0.1489
0.1789 0.2080 0.2362 0.2635 0.2901
0.3159 0.3410 0.3655 0.3892 0.4124
0.4349 0.4569 0.4783 0.4992 0.5197

0.5396 0.5590 0.5781 0.5967 0.6149
0.6327 0.6501 0.6671 0.6838 0.7002
0.7163 0.7320 0.7474 0.7625 0.7774
0.7920 0.8063 0.8204 0.8342 0.8478
0.8611 0.8742 0.8871 0.8999 0.9162
0.9332 0.9501 0.9669 0.9835 1.0000
Width:
0.8751 0.8778 0.8805 0.8832 0.8859
0.8886 0.8913 0.8940 0.8967 0.8994
0.9021 0.9048 0.9075 0.9102 0.9129
0.9156 0.9183 0.9210 0.9237 0.9264
0.9291 0.9318 0.9345 0.9372 0.9399
0.9426 0.9453 0.9480 0.9507 0.9534
0.9561 0.9588 0.9615 0.9642 0.9669
0.9696 0.9723 0.9750 0.9777 0.9804
0.9831 0.9858 0.9886 0.9913 0.9929
0.9943 0.9957 0.9972 0.9986 1.0000

Transect Trous3
Area:
0.0013 0.0050 0.0113 0.0202 0.0315
0.0454 0.0617 0.0792 0.0973 0.1160
0.1353 0.1552 0.1756 0.1966 0.2176
0.2387 0.2599 0.2812 0.3025 0.3239
0.3454 0.3670 0.3886 0.4103 0.4321
0.4539 0.4758 0.4978 0.5199 0.5420
0.5643 0.5865 0.6089 0.6313 0.6538
0.6764 0.6991 0.7218 0.7446 0.7675
0.7904 0.8134 0.8365 0.8597 0.8829
0.9062 0.9296 0.9530 0.9765 1.0000
Hrad:
0.0153 0.0306 0.0458 0.0611 0.0764
0.0917 0.1094 0.1351 0.1598 0.1837
0.2068 0.2293 0.2512 0.2760 0.3019
0.3274 0.3524 0.3770 0.4011 0.4247
0.4479 0.4708 0.4932 0.5152 0.5369
0.5582 0.5792 0.5999 0.6202 0.6402
0.6598 0.6792 0.6983 0.7171 0.7357
0.7540 0.7720 0.7898 0.8073 0.8246
0.8416 0.8584 0.8751 0.8915 0.9076
0.9236 0.9416 0.9612 0.9807 1.0000
Width:
0.1071 0.2143 0.3214 0.4286 0.5357
0.6429 0.7313 0.7564 0.7816 0.8067
0.8319 0.8570 0.8822 0.8927 0.8958
0.8989 0.9020 0.9051 0.9082 0.9113
0.9144 0.9175 0.9206 0.9238 0.9269
0.9300 0.9331 0.9362 0.9393 0.9424
0.9455 0.9486 0.9517 0.9548 0.9579
0.9610 0.9641 0.9672 0.9703 0.9734
0.9765 0.9796 0.9827 0.9858 0.9890
0.9921 0.9944 0.9963 0.9981 1.0000

Transect Trous4
Area:
0.0106 0.0218 0.0334 0.0454 0.0577
0.0705 0.0836 0.0971 0.1110 0.1252

0.1399 0.1549 0.1703 0.1861 0.2023
0.2188 0.2358 0.2531 0.2708 0.2889
0.3073 0.3261 0.3454 0.3650 0.3850
0.4053 0.4261 0.4472 0.4687 0.4906
0.5128 0.5355 0.5585 0.5819 0.6057
0.6299 0.6545 0.6794 0.7047 0.7304
0.7565 0.7829 0.8094 0.8362 0.8630
0.8901 0.9173 0.9447 0.9723 1.0000

Hrad:

0.0401 0.0779 0.1132 0.1461 0.1772
0.2066 0.2345 0.2611 0.2866 0.3112
0.3348 0.3576 0.3798 0.4013 0.4222
0.4425 0.4625 0.4819 0.5010 0.5197
0.5381 0.5561 0.5739 0.5914 0.6087
0.6257 0.6425 0.6592 0.6756 0.6919
0.7080 0.7239 0.7397 0.7554 0.7709
0.7864 0.8017 0.8169 0.8320 0.8470
0.8619 0.8782 0.8944 0.9103 0.9259
0.9412 0.9562 0.9711 0.9856 1.0000

Width:

0.3964 0.4101 0.4238 0.4375 0.4512
0.4649 0.4786 0.4923 0.5060 0.5197
0.5334 0.5471 0.5609 0.5746 0.5883
0.6020 0.6157 0.6294 0.6431 0.6568
0.6705 0.6842 0.6979 0.7116 0.7254
0.7391 0.7528 0.7665 0.7802 0.7939
0.8076 0.8213 0.8350 0.8487 0.8624
0.8761 0.8899 0.9036 0.9173 0.9310
0.9447 0.9517 0.9577 0.9637 0.9698
0.9758 0.9819 0.9879 0.9940 1.0000

Transect Trous4-5

Area:

0.0102 0.0213 0.0331 0.0456 0.0588
0.0725 0.0867 0.1015 0.1169 0.1327
0.1488 0.1653 0.1820 0.1990 0.2163
0.2339 0.2519 0.2701 0.2886 0.3074
0.3265 0.3459 0.3656 0.3856 0.4060
0.4266 0.4475 0.4687 0.4902 0.5120
0.5341 0.5565 0.5792 0.6022 0.6256
0.6492 0.6731 0.6973 0.7217 0.7463
0.7710 0.7959 0.8209 0.8460 0.8713
0.8968 0.9224 0.9481 0.9740 1.0000

Hrad:

0.0428 0.0822 0.1183 0.1519 0.1843
0.2148 0.2436 0.2710 0.2973 0.3248
0.3513 0.3767 0.4011 0.4245 0.4471
0.4690 0.4902 0.5107 0.5306 0.5500
0.5689 0.5874 0.6054 0.6230 0.6403
0.6573 0.6739 0.6902 0.7063 0.7221
0.7376 0.7529 0.7681 0.7830 0.7977
0.8122 0.8266 0.8408 0.8556 0.8700
0.8842 0.8981 0.9117 0.9250 0.9381
0.9509 0.9635 0.9759 0.9880 1.0000

Width:

0.4105 0.4385 0.4665 0.4937 0.5148
0.5360 0.5572 0.5784 0.5996 0.6121

0.6235 0.6350 0.6465 0.6580 0.6695
0.6809 0.6924 0.7039 0.7154 0.7269
0.7383 0.7498 0.7613 0.7728 0.7843
0.7957 0.8072 0.8187 0.8302 0.8417
0.8531 0.8646 0.8761 0.8876 0.8990
0.9105 0.9220 0.9335 0.9393 0.9449
0.9504 0.9559 0.9614 0.9669 0.9724
0.9779 0.9835 0.9890 0.9945 1.0000

Transect Trous5
Area:
0.0140 0.0285 0.0432 0.0582 0.0734
0.0889 0.1046 0.1205 0.1368 0.1532
0.1699 0.1868 0.2040 0.2215 0.2392
0.2571 0.2753 0.2937 0.3124 0.3313
0.3504 0.3699 0.3895 0.4094 0.4296
0.4500 0.4706 0.4915 0.5126 0.5340
0.5556 0.5775 0.5996 0.6220 0.6446
0.6674 0.6904 0.7134 0.7366 0.7599
0.7834 0.8070 0.8306 0.8545 0.8784
0.9025 0.9267 0.9510 0.9754 1.0000
Hrad:
0.0512 0.0988 0.1424 0.1828 0.2202
0.2552 0.2880 0.3188 0.3480 0.3755
0.4018 0.4268 0.4507 0.4736 0.4956
0.5168 0.5372 0.5569 0.5760 0.5945
0.6125 0.6300 0.6470 0.6636 0.6798
0.6957 0.7112 0.7264 0.7412 0.7558
0.7702 0.7843 0.7981 0.8118 0.8252
0.8387 0.8519 0.8648 0.8774 0.8897
0.9018 0.9136 0.9251 0.9364 0.9475
0.9584 0.9691 0.9796 0.9899 1.0000
Width:
0.5828 0.5928 0.6028 0.6128 0.6229
0.6329 0.6429 0.6529 0.6629 0.6729
0.6829 0.6929 0.7029 0.7129 0.7229
0.7329 0.7430 0.7530 0.7630 0.7730
0.7830 0.7930 0.8030 0.8130 0.8230
0.8330 0.8430 0.8530 0.8631 0.8731
0.8831 0.8931 0.9031 0.9131 0.9231
0.9288 0.9339 0.9389 0.9440 0.9491
0.9542 0.9593 0.9644 0.9695 0.9746
0.9796 0.9847 0.9898 0.9949 1.0000

Transect Trous6
Area:
0.0118 0.0283 0.0451 0.0620 0.0790
0.0962 0.1136 0.1312 0.1489 0.1667
0.1848 0.2030 0.2213 0.2398 0.2585
0.2774 0.2964 0.3155 0.3349 0.3544
0.3740 0.3938 0.4138 0.4340 0.4543
0.4748 0.4954 0.5162 0.5371 0.5583
0.5795 0.6010 0.6226 0.6444 0.6662
0.6881 0.7101 0.7321 0.7542 0.7763
0.7984 0.8206 0.8429 0.8652 0.8875
0.9099 0.9324 0.9549 0.9774 1.0000
Hrad:

0.0350 0.0804 0.1222 0.1609 0.1969
0.2305 0.2619 0.2914 0.3192 0.3455
0.3704 0.3940 0.4165 0.4380 0.4585
0.4781 0.4969 0.5150 0.5325 0.5493
0.5655 0.5812 0.5964 0.6111 0.6253
0.6392 0.6527 0.6659 0.6787 0.6912
0.7033 0.7153 0.7269 0.7389 0.7571
0.7749 0.7925 0.8098 0.8269 0.8438
0.8604 0.8767 0.8929 0.9088 0.9245
0.9400 0.9553 0.9704 0.9853 1.0000

Width:

0.7292 0.7364 0.7435 0.7507 0.7579
0.7651 0.7723 0.7795 0.7867 0.7939
0.8011 0.8082 0.8154 0.8226 0.8298
0.8370 0.8442 0.8514 0.8586 0.8658
0.8730 0.8801 0.8873 0.8945 0.9017
0.9089 0.9161 0.9233 0.9305 0.9377
0.9449 0.9520 0.9592 0.9660 0.9681
0.9702 0.9724 0.9745 0.9766 0.9787
0.9809 0.9830 0.9851 0.9872 0.9894
0.9915 0.9936 0.9957 0.9979 1.0000

Transect Trous7

Area:

0.0061 0.0199 0.0341 0.0484 0.0629
0.0775 0.0924 0.1074 0.1226 0.1379
0.1534 0.1691 0.1850 0.2010 0.2172
0.2336 0.2501 0.2668 0.2837 0.3008
0.3180 0.3354 0.3530 0.3708 0.3887
0.4068 0.4250 0.4435 0.4621 0.4809
0.5003 0.5246 0.5503 0.5761 0.6020
0.6279 0.6539 0.6800 0.7062 0.7325
0.7589 0.7853 0.8119 0.8385 0.8652
0.8920 0.9189 0.9458 0.9729 1.0000

Hrad:

0.0247 0.0677 0.1102 0.1493 0.1854
0.2191 0.2504 0.2798 0.3074 0.3335
0.3581 0.3815 0.4037 0.4249 0.4452
0.4646 0.4832 0.5011 0.5183 0.5350
0.5510 0.5666 0.5817 0.5963 0.6105
0.6243 0.6378 0.6509 0.6637 0.6763
0.6876 0.6057 0.6299 0.6539 0.6775
0.7008 0.7239 0.7467 0.7691 0.7914
0.8133 0.8350 0.8564 0.8776 0.8986
0.9193 0.9398 0.9601 0.9802 1.0000

Width:

0.4484 0.5174 0.5237 0.5300 0.5363
0.5427 0.5490 0.5553 0.5616 0.5679
0.5743 0.5806 0.5869 0.5932 0.5995
0.6059 0.6122 0.6185 0.6248 0.6311
0.6375 0.6438 0.6501 0.6564 0.6627
0.6691 0.6754 0.6817 0.6880 0.6943
0.7926 0.9439 0.9470 0.9501 0.9533
0.9564 0.9595 0.9626 0.9657 0.9688
0.9720 0.9751 0.9782 0.9813 0.9844
0.9875 0.9907 0.9938 0.9969 1.0000

Transect Trous8
Area:

0.0033	0.0131	0.0288	0.0454	0.0621
0.0789	0.0957	0.1127	0.1298	0.1469
0.1642	0.1815	0.1989	0.2164	0.2341
0.2518	0.2696	0.2875	0.3054	0.3235
0.3417	0.3599	0.3783	0.3967	0.4153
0.4339	0.4526	0.4714	0.4903	0.5093
0.5287	0.5528	0.5770	0.6014	0.6257
0.6502	0.6746	0.6992	0.7237	0.7483
0.7730	0.7977	0.8225	0.8473	0.8722
0.8972	0.9223	0.9476	0.9730	1.0000

Hrad:

0.0295	0.0590	0.1005	0.1516	0.1987
0.2424	0.2829	0.3208	0.3562	0.3893
0.4206	0.4500	0.4778	0.5042	0.5292
0.5530	0.5756	0.5973	0.6179	0.6377
0.6567	0.6750	0.6925	0.7094	0.7256
0.7414	0.7565	0.7712	0.7855	0.7992
0.8119	0.7478	0.7738	0.7994	0.8247
0.8496	0.8742	0.8984	0.9222	0.9458
0.9690	0.9919	1.0145	1.0368	1.0588
1.0804	1.1016	1.1223	1.1426	1.0000

Width:

0.2136	0.4271	0.5388	0.5418	0.5448
0.5478	0.5508	0.5538	0.5568	0.5598
0.5628	0.5658	0.5688	0.5717	0.5747
0.5777	0.5807	0.5837	0.5867	0.5897
0.5927	0.5957	0.5987	0.6017	0.6047
0.6077	0.6107	0.6137	0.6166	0.6196
0.7171	0.7893	0.7909	0.7925	0.7941
0.7957	0.7973	0.7989	0.8005	0.8021
0.8037	0.8053	0.8069	0.8085	0.8101
0.8152	0.8203	0.8254	0.8305	1.0000

Transect XS1
Area:

0.0031	0.0099	0.0193	0.0310	0.0452
0.0613	0.0778	0.0944	0.1114	0.1285
0.1459	0.1635	0.1814	0.1995	0.2178
0.2363	0.2551	0.2741	0.2934	0.3129
0.3326	0.3525	0.3727	0.3931	0.4137
0.4346	0.4557	0.4770	0.4986	0.5204
0.5424	0.5647	0.5872	0.6099	0.6329
0.6561	0.6795	0.7032	0.7271	0.7512
0.7754	0.7998	0.8243	0.8489	0.8738
0.8987	0.9238	0.9491	0.9745	1.0000

Hrad:

0.0178	0.0399	0.0590	0.0769	0.0942
0.1195	0.1480	0.1756	0.2023	0.2283
0.2536	0.2782	0.3021	0.3254	0.3482
0.3705	0.3922	0.4135	0.4343	0.4548
0.4748	0.4944	0.5137	0.5327	0.5513
0.5696	0.5876	0.6054	0.6229	0.6401
0.6571	0.6739	0.6904	0.7067	0.7229
0.7388	0.7546	0.7701	0.7856	0.8057
0.8257	0.8455	0.8653	0.8849	0.9043

0.9237 0.9430 0.9621 0.9811 1.0000

Width:

0.2207 0.3159 0.4110 0.5062 0.6014
0.6380 0.6471 0.6562 0.6652 0.6743
0.6834 0.6925 0.7015 0.7106 0.7197
0.7287 0.7378 0.7469 0.7559 0.7650
0.7741 0.7831 0.7922 0.8013 0.8104
0.8194 0.8285 0.8376 0.8466 0.8557
0.8648 0.8738 0.8829 0.8920 0.9011
0.9101 0.9192 0.9283 0.9373 0.9430
0.9487 0.9544 0.9601 0.9658 0.9715
0.9772 0.9829 0.9886 0.9943 1.0000

Transect XS10

Area:

0.0112 0.0249 0.0387 0.0526 0.0667
0.0809 0.0953 0.1097 0.1244 0.1392
0.1541 0.1691 0.1843 0.1997 0.2152
0.2308 0.2466 0.2625 0.2785 0.2947
0.3110 0.3275 0.3441 0.3609 0.3778
0.3948 0.4120 0.4293 0.4468 0.4644
0.4821 0.5000 0.5193 0.5440 0.5695
0.5951 0.6207 0.6464 0.6722 0.6981
0.7241 0.7502 0.7763 0.8025 0.8299
0.8595 0.8913 0.9253 0.9616 1.0000

Hrad:

0.0424 0.0908 0.1365 0.1799 0.2212
0.2604 0.2979 0.3337 0.3680 0.4009
0.4325 0.4630 0.4923 0.5206 0.5479
0.5744 0.6000 0.6248 0.6489 0.6724
0.6952 0.7174 0.7390 0.7601 0.7807
0.8008 0.8204 0.8397 0.8585 0.8769
0.8950 0.9128 0.8158 0.7789 0.8100
0.8408 0.8713 0.9016 0.9316 0.9613
0.9907 1.0199 1.0489 1.0769 1.0536
1.0354 1.0214 1.0112 1.0042 1.0000

Width:

0.3435 0.3471 0.3506 0.3542 0.3578
0.3613 0.3649 0.3684 0.3720 0.3756
0.3791 0.3827 0.3863 0.3898 0.3934
0.3970 0.4005 0.4041 0.4077 0.4112
0.4148 0.4184 0.4219 0.4255 0.4291
0.4326 0.4362 0.4398 0.4433 0.4469
0.4505 0.4540 0.5655 0.6434 0.6454
0.6475 0.6496 0.6517 0.6538 0.6559
0.6579 0.6600 0.6621 0.6649 0.7207
0.7766 0.8324 0.8883 0.9441 1.0000

Transect XS11

Area:

0.0103 0.0224 0.0348 0.0476 0.0608
0.0744 0.0883 0.1025 0.1172 0.1322
0.1475 0.1632 0.1793 0.1957 0.2125
0.2297 0.2472 0.2651 0.2833 0.3019
0.3209 0.3403 0.3599 0.3800 0.4004
0.4212 0.4423 0.4638 0.4857 0.5079
0.5305 0.5535 0.5768 0.6005 0.6245

0.6488 0.6733 0.6978 0.7224 0.7472
0.7720 0.7969 0.8220 0.8471 0.8723
0.8977 0.9231 0.9486 0.9743 1.0000

Hrad:

0.0392 0.0805 0.1186 0.1540 0.1872
0.2183 0.2477 0.2756 0.3022 0.3276
0.3520 0.3755 0.3981 0.4200 0.4412
0.4618 0.4818 0.5013 0.5204 0.5391
0.5573 0.5752 0.5928 0.6101 0.6271
0.6438 0.6603 0.6766 0.6927 0.7085
0.7242 0.7397 0.7550 0.7702 0.7853
0.8016 0.8180 0.8340 0.8496 0.8649
0.8798 0.8943 0.9085 0.9224 0.9360
0.9494 0.9624 0.9752 0.9877 1.0000

Width:

0.4621 0.4761 0.4902 0.5042 0.5183
0.5323 0.5463 0.5604 0.5744 0.5884
0.6025 0.6165 0.6306 0.6446 0.6586
0.6727 0.6867 0.7008 0.7148 0.7288
0.7429 0.7569 0.7709 0.7850 0.7990
0.8131 0.8271 0.8411 0.8552 0.8692
0.8832 0.8973 0.9113 0.9254 0.9394
0.9460 0.9499 0.9537 0.9576 0.9614
0.9653 0.9691 0.9730 0.9769 0.9807
0.9846 0.9884 0.9923 0.9961 1.0000

Transect XS13

Area:

0.0017 0.0067 0.0151 0.0269 0.0418
0.0579 0.0741 0.0905 0.1071 0.1239
0.1409 0.1580 0.1754 0.1930 0.2108
0.2288 0.2469 0.2653 0.2838 0.3026
0.3215 0.3407 0.3600 0.3796 0.3993
0.4192 0.4394 0.4597 0.4802 0.5009
0.5218 0.5429 0.5642 0.5857 0.6074
0.6293 0.6514 0.6737 0.6961 0.7188
0.7417 0.7647 0.7880 0.8115 0.8351
0.8591 0.8865 0.9203 0.9586 1.0000

Hrad:

0.0261 0.0523 0.0784 0.1045 0.1369
0.1843 0.2299 0.2738 0.3161 0.3571
0.3966 0.4349 0.4721 0.5081 0.5432
0.5772 0.6104 0.6427 0.6742 0.7050
0.7350 0.7644 0.7932 0.8213 0.8489
0.8759 0.9025 0.9285 0.9541 0.9792
1.0039 1.0283 1.0522 1.0758 1.0990
1.1219 1.1445 1.1667 1.1887 1.2104
1.2318 1.2530 1.2739 1.2946 1.3151
1.2909 1.1643 1.0434 1.0187 1.0000

Width:

0.0781 0.1561 0.2342 0.3123 0.3700
0.3746 0.3791 0.3837 0.3882 0.3928
0.3973 0.4019 0.4065 0.4110 0.4156
0.4201 0.4247 0.4292 0.4338 0.4383
0.4429 0.4474 0.4520 0.4565 0.4611
0.4657 0.4702 0.4748 0.4793 0.4839
0.4884 0.4930 0.4975 0.5021 0.5066

0.5112 0.5157 0.5203 0.5249 0.5294
0.5340 0.5385 0.5431 0.5476 0.5522
0.5852 0.7023 0.8528 0.9264 1.0000

Transect XS14
Area:
0.0017 0.0067 0.0151 0.0269 0.0418
0.0579 0.0741 0.0905 0.1071 0.1239
0.1409 0.1580 0.1754 0.1930 0.2108
0.2288 0.2469 0.2653 0.2838 0.3026
0.3215 0.3407 0.3600 0.3796 0.3993
0.4192 0.4394 0.4597 0.4802 0.5009
0.5218 0.5429 0.5642 0.5857 0.6074
0.6293 0.6514 0.6737 0.6961 0.7188
0.7417 0.7647 0.7880 0.8115 0.8351
0.8591 0.8865 0.9203 0.9586 1.0000
Hrad:
0.0187 0.0374 0.0560 0.0747 0.0978
0.1317 0.1643 0.1957 0.2260 0.2552
0.2835 0.3109 0.3374 0.3632 0.3882
0.4126 0.4363 0.4594 0.4819 0.5039
0.5254 0.5464 0.5669 0.5871 0.6068
0.6261 0.6451 0.6637 0.6820 0.6999
0.7176 0.7350 0.7521 0.7689 0.7855
0.8019 0.8180 0.8340 0.8497 0.8652
0.8805 0.8956 0.9106 0.9254 0.9400
0.9562 0.9734 0.9858 0.9940 1.0000
Width:
0.0781 0.1561 0.2342 0.3123 0.3700
0.3746 0.3791 0.3837 0.3882 0.3928
0.3973 0.4019 0.4065 0.4110 0.4156
0.4201 0.4247 0.4292 0.4338 0.4383
0.4429 0.4474 0.4520 0.4565 0.4611
0.4657 0.4702 0.4748 0.4793 0.4839
0.4884 0.4930 0.4975 0.5021 0.5066
0.5112 0.5157 0.5203 0.5249 0.5294
0.5340 0.5385 0.5431 0.5476 0.5522
0.5852 0.7023 0.8528 0.9264 1.0000

Transect XS15
Area:
0.0010 0.0041 0.0092 0.0164 0.0255
0.0361 0.0475 0.0598 0.0730 0.0869
0.1011 0.1155 0.1302 0.1451 0.1602
0.1756 0.1912 0.2070 0.2231 0.2394
0.2560 0.2728 0.2898 0.3071 0.3246
0.3424 0.3604 0.3786 0.3971 0.4158
0.4347 0.4539 0.4734 0.4939 0.5153
0.5378 0.5619 0.5877 0.6153 0.6446
0.6756 0.7082 0.7417 0.7761 0.8113
0.8474 0.8843 0.9220 0.9606 1.0000
Hrad:
0.0185 0.0369 0.0554 0.0738 0.0930
0.1201 0.1455 0.1697 0.1928 0.2198
0.2484 0.2760 0.3027 0.3285 0.3536
0.3779 0.4015 0.4245 0.4469 0.4687
0.4901 0.5110 0.5314 0.5514 0.5710

0.5902 0.6091 0.6277 0.6459 0.6639
0.6816 0.6990 0.7196 0.7413 0.7612
0.7825 0.8042 0.8234 0.8405 0.8557
0.8693 0.8827 0.8968 0.9112 0.9257
0.9404 0.9551 0.9700 0.9850 1.0000
Width:
0.0513 0.1026 0.1539 0.2052 0.2543
0.2761 0.2979 0.3196 0.3414 0.3530
0.3590 0.3650 0.3709 0.3769 0.3829
0.3888 0.3948 0.4008 0.4068 0.4127
0.4187 0.4247 0.4307 0.4366 0.4426
0.4486 0.4545 0.4605 0.4665 0.4725
0.4784 0.4844 0.5008 0.5253 0.5498
0.5839 0.6271 0.6704 0.7136 0.7569
0.8002 0.8312 0.8523 0.8734 0.8945
0.9156 0.9367 0.9578 0.9789 1.0000

Transect XS16
Area:
0.0009 0.0036 0.0081 0.0144 0.0225
0.0324 0.0440 0.0572 0.0711 0.0853
0.0999 0.1149 0.1302 0.1459 0.1619
0.1783 0.1951 0.2123 0.2298 0.2476
0.2658 0.2844 0.3034 0.3227 0.3424
0.3624 0.3828 0.4036 0.4247 0.4462
0.4681 0.4903 0.5129 0.5358 0.5591
0.5828 0.6069 0.6313 0.6560 0.6811
0.7066 0.7325 0.7588 0.7865 0.8155
0.8459 0.8776 0.9108 0.9484 1.0000
Hrad:
0.0290 0.0580 0.0870 0.1160 0.1451
0.1741 0.2031 0.2418 0.2892 0.3346
0.3783 0.4204 0.4611 0.5005 0.5387
0.5758 0.6119 0.6471 0.6814 0.7151
0.7480 0.7802 0.8118 0.8429 0.8735
0.9036 0.9332 0.9624 0.9911 1.0196
1.0476 1.0754 1.1028 1.1300 1.1568
1.1834 1.2098 1.2359 1.2618 1.2875
1.3130 1.3383 1.3441 1.3354 1.3297
1.3266 1.3258 1.3271 0.9691 1.0000
Width:
0.0345 0.0690 0.1035 0.1380 0.1725
0.2070 0.2415 0.2626 0.2697 0.2767
0.2836 0.2906 0.2975 0.3045 0.3115
0.3184 0.3254 0.3324 0.3393 0.3463
0.3533 0.3602 0.3672 0.3742 0.3811
0.3881 0.3951 0.4020 0.4090 0.4160
0.4229 0.4299 0.4369 0.4438 0.4508
0.4578 0.4647 0.4717 0.4787 0.4856
0.4926 0.4996 0.5169 0.5434 0.5699
0.5963 0.6228 0.6493 0.9795 1.0000

Transect XS17
Area:
0.0017 0.0070 0.0146 0.0240 0.0343
0.0451 0.0565 0.0684 0.0809 0.0938
0.1074 0.1214 0.1360 0.1509 0.1662

0.1818 0.1978 0.2140 0.2307 0.2477
0.2650 0.2827 0.3007 0.3191 0.3378
0.3568 0.3762 0.3960 0.4160 0.4366
0.4599 0.4862 0.5129 0.5398 0.5669
0.5942 0.6216 0.6493 0.6772 0.7052
0.7335 0.7619 0.7905 0.8194 0.8484
0.8776 0.9073 0.9376 0.9685 1.0000
Hrad:
0.0169 0.0347 0.0575 0.0804 0.1081
0.1344 0.1595 0.1835 0.2067 0.2291
0.2509 0.2720 0.2946 0.3176 0.3401
0.3620 0.3835 0.4045 0.4251 0.4453
0.4652 0.4847 0.5040 0.5229 0.5416
0.5600 0.5782 0.5962 0.6139 0.6325
0.6505 0.6641 0.6789 0.6946 0.7109
0.7277 0.7448 0.7621 0.7796 0.7973
0.8150 0.8327 0.8504 0.8682 0.8859
0.9059 0.9305 0.9544 0.9775 1.0000
Width:
0.1100 0.2136 0.2693 0.3151 0.3321
0.3491 0.3661 0.3832 0.4002 0.4172
0.4343 0.4513 0.4643 0.4751 0.4860
0.4968 0.5076 0.5185 0.5293 0.5401
0.5510 0.5618 0.5726 0.5835 0.5943
0.6051 0.6159 0.6268 0.6376 0.6720
0.7952 0.8375 0.8436 0.8497 0.8557
0.8618 0.8679 0.8740 0.8800 0.8861
0.8922 0.8983 0.9043 0.9104 0.9165
0.9264 0.9448 0.9632 0.9816 1.0000

Transect XS18
Area:
0.0011 0.0041 0.0083 0.0132 0.0191
0.0257 0.0332 0.0414 0.0501 0.0593
0.0690 0.0793 0.0900 0.1012 0.1130
0.1253 0.1388 0.1539 0.1704 0.1885
0.2082 0.2293 0.2517 0.2744 0.2974
0.3213 0.3454 0.3699 0.3947 0.4198
0.4453 0.4710 0.4971 0.5234 0.5501
0.5771 0.6045 0.6321 0.6600 0.6883
0.7169 0.7458 0.7750 0.8046 0.8351
0.8664 0.8985 0.9315 0.9653 1.0000
Hrad:
0.0166 0.0366 0.0588 0.0786 0.0971
0.1147 0.1318 0.1515 0.1710 0.1895
0.2074 0.2247 0.2415 0.2579 0.2739
0.2846 0.2843 0.2869 0.2917 0.2981
0.3059 0.3147 0.3343 0.3605 0.3869
0.4153 0.4434 0.4711 0.4986 0.5257
0.5526 0.5792 0.6055 0.6316 0.6574
0.6830 0.7084 0.7335 0.7585 0.7832
0.8077 0.8320 0.8561 0.8788 0.9002
0.9211 0.9416 0.9615 0.9810 1.0000
Width:
0.0603 0.1060 0.1297 0.1535 0.1773
0.2011 0.2249 0.2410 0.2554 0.2697
0.2841 0.2985 0.3128 0.3272 0.3415

0.3640 0.4072 0.4505 0.4938 0.5371
0.5803 0.6236 0.6440 0.6490 0.6747
0.6837 0.6927 0.7017 0.7107 0.7197
0.7286 0.7376 0.7466 0.7556 0.7646
0.7736 0.7826 0.7915 0.8005 0.8095
0.8185 0.8275 0.8365 0.8544 0.8787
0.9030 0.9272 0.9515 0.9757 1.0000

Transect XS19
Area:
0.0018 0.0059 0.0113 0.0178 0.0249
0.0326 0.0410 0.0500 0.0596 0.0699
0.0809 0.0924 0.1046 0.1175 0.1310
0.1450 0.1596 0.1746 0.1900 0.2060
0.2223 0.2392 0.2565 0.2743 0.2925
0.3112 0.3304 0.3508 0.3729 0.3969
0.4226 0.4498 0.4775 0.5055 0.5337
0.5621 0.5909 0.6198 0.6490 0.6785
0.7082 0.7381 0.7683 0.7989 0.8302
0.8624 0.8955 0.9294 0.9643 1.0000
Hrad:
0.0222 0.0533 0.0799 0.1110 0.1403
0.1678 0.1938 0.2188 0.2429 0.2663
0.2891 0.3115 0.3335 0.3551 0.3765
0.4003 0.4245 0.4481 0.4714 0.4942
0.5167 0.5388 0.5606 0.5821 0.6034
0.6245 0.6415 0.6303 0.6236 0.6205
0.6204 0.6358 0.6642 0.6920 0.7193
0.7460 0.7723 0.7982 0.8236 0.8486
0.8732 0.8974 0.9212 0.9377 0.9471
0.9569 0.9671 0.9777 0.9887 1.0000
Width:
0.0966 0.1323 0.1680 0.1873 0.2050
0.2227 0.2403 0.2580 0.2757 0.2933
0.3110 0.3287 0.3463 0.3640 0.3817
0.3957 0.4084 0.4212 0.4340 0.4468
0.4595 0.4723 0.4851 0.4978 0.5106
0.5234 0.5400 0.5888 0.6375 0.6862
0.7350 0.7626 0.7695 0.7764 0.7833
0.7903 0.7972 0.8041 0.8110 0.8180
0.8249 0.8318 0.8388 0.8541 0.8784
0.9027 0.9271 0.9514 0.9757 1.0000

Transect XS2
Area:
0.0032 0.0128 0.0270 0.0417 0.0567
0.0719 0.0874 0.1031 0.1192 0.1354
0.1520 0.1688 0.1858 0.2032 0.2207
0.2386 0.2567 0.2751 0.2937 0.3126
0.3318 0.3512 0.3709 0.3908 0.4111
0.4315 0.4523 0.4733 0.4945 0.5160
0.5378 0.5599 0.5822 0.6048 0.6276
0.6507 0.6741 0.6977 0.7216 0.7457
0.7701 0.7948 0.8197 0.8449 0.8704
0.8960 0.9217 0.9477 0.9738 1.0000
Hrad:
0.0151 0.0303 0.0559 0.0843 0.1119

0.1388 0.1649 0.1905 0.2155 0.2398
0.2637 0.2871 0.3100 0.3325 0.3545
0.3762 0.3974 0.4184 0.4390 0.4593
0.4792 0.4989 0.5184 0.5375 0.5564
0.5751 0.5936 0.6118 0.6299 0.6477
0.6654 0.6828 0.7001 0.7173 0.7342
0.7511 0.7678 0.7843 0.8007 0.8170
0.8331 0.8492 0.8651 0.8809 0.8998
0.9200 0.9402 0.9602 0.9802 1.0000

Width:

0.2426 0.4852 0.5534 0.5633 0.5733
0.5833 0.5932 0.6032 0.6132 0.6231
0.6331 0.6431 0.6530 0.6630 0.6730
0.6829 0.6929 0.7029 0.7128 0.7228
0.7328 0.7427 0.7527 0.7627 0.7727
0.7826 0.7926 0.8026 0.8125 0.8225
0.8325 0.8424 0.8524 0.8624 0.8723
0.8823 0.8923 0.9022 0.9122 0.9222
0.9321 0.9421 0.9521 0.9620 0.9694
0.9755 0.9816 0.9878 0.9939 1.0000

Transect XS20

Area:

0.0049 0.0168 0.0292 0.0419 0.0549
0.0681 0.0815 0.0953 0.1092 0.1235
0.1380 0.1527 0.1678 0.1830 0.1986
0.2144 0.2304 0.2467 0.2633 0.2802
0.2972 0.3146 0.3322 0.3501 0.3682
0.3866 0.4052 0.4241 0.4433 0.4627
0.4824 0.5024 0.5232 0.5450 0.5680
0.5919 0.6170 0.6430 0.6702 0.6984
0.7270 0.7558 0.7849 0.8145 0.8444
0.8747 0.9054 0.9365 0.9681 1.0000

Hrad:

0.0191 0.0518 0.0874 0.1216 0.1547
0.1867 0.2176 0.2476 0.2767 0.3051
0.3327 0.3595 0.3858 0.4114 0.4365
0.4611 0.4851 0.5088 0.5319 0.5547
0.5771 0.5991 0.6208 0.6421 0.6632
0.6839 0.7044 0.7246 0.7446 0.7644
0.7839 0.7970 0.7930 0.7908 0.7903
0.7912 0.7934 0.7968 0.8012 0.8100
0.8345 0.8574 0.8757 0.8939 0.9119
0.9298 0.9475 0.9651 0.9826 1.0000

Width:

0.3066 0.3828 0.3909 0.3990 0.4070
0.4151 0.4232 0.4312 0.4393 0.4473
0.4554 0.4635 0.4715 0.4796 0.4877
0.4957 0.5038 0.5118 0.5199 0.5280
0.5360 0.5441 0.5522 0.5602 0.5683
0.5763 0.5844 0.5925 0.6005 0.6086
0.6167 0.6310 0.6639 0.6968 0.7298
0.7627 0.7956 0.8285 0.8615 0.8892
0.8938 0.9001 0.9126 0.9251 0.9376
0.9500 0.9625 0.9750 0.9875 1.0000

Transect XS21

Area:

0.0006	0.0025	0.0057	0.0101	0.0158
0.0228	0.0310	0.0405	0.0513	0.0634
0.0767	0.0910	0.1058	0.1210	0.1366
0.1525	0.1688	0.1855	0.2025	0.2200
0.2378	0.2560	0.2745	0.2935	0.3128
0.3325	0.3529	0.3757	0.3998	0.4241
0.4487	0.4737	0.4989	0.5245	0.5503
0.5765	0.6030	0.6297	0.6568	0.6842
0.7122	0.7411	0.7707	0.8011	0.8323
0.8643	0.8970	0.9306	0.9649	1.0000

Hrad:

0.0157	0.0314	0.0470	0.0627	0.0784
0.0941	0.1098	0.1254	0.1411	0.1568
0.1725	0.1948	0.2196	0.2438	0.2674
0.2903	0.3128	0.3347	0.3562	0.3773
0.3979	0.4183	0.4383	0.4579	0.4773
0.4964	0.5146	0.5293	0.5464	0.5642
0.5825	0.6012	0.6201	0.6393	0.6587
0.6782	0.6978	0.7175	0.7372	0.7601
0.7876	0.8142	0.8399	0.8647	0.8889
0.9123	0.9350	0.9572	0.9789	1.0000

Width:

0.0357	0.0714	0.1071	0.1428	0.1785
0.2142	0.2499	0.2856	0.3214	0.3571
0.3928	0.4116	0.4222	0.4328	0.4435
0.4541	0.4647	0.4753	0.4859	0.4966
0.5072	0.5178	0.5284	0.5390	0.5497
0.5603	0.6055	0.6733	0.6818	0.6903
0.6987	0.7072	0.7157	0.7242	0.7327
0.7412	0.7497	0.7581	0.7666	0.7800
0.8020	0.8240	0.8460	0.8680	0.8900
0.9120	0.9340	0.9560	0.9780	1.0000

Transect XS22

Area:

0.0014	0.0053	0.0106	0.0172	0.0249
0.0333	0.0422	0.0517	0.0617	0.0723
0.0834	0.0952	0.1074	0.1202	0.1336
0.1475	0.1620	0.1770	0.1926	0.2088
0.2255	0.2428	0.2606	0.2790	0.2979
0.3174	0.3374	0.3580	0.3792	0.4009
0.4232	0.4460	0.4694	0.4934	0.5179
0.5429	0.5685	0.5950	0.6224	0.6508
0.6801	0.7104	0.7416	0.7740	0.8080
0.8438	0.8812	0.9198	0.9594	1.0000

Hrad:

0.0213	0.0490	0.0758	0.1006	0.1304
0.1625	0.1930	0.2223	0.2506	0.2780
0.3047	0.3307	0.3562	0.3813	0.4059
0.4302	0.4541	0.4778	0.5012	0.5244
0.5474	0.5702	0.5928	0.6153	0.6377
0.6599	0.6820	0.7040	0.7259	0.7477
0.7694	0.7911	0.8127	0.8342	0.8556
0.8770	0.8949	0.9043	0.9145	0.9253
0.9368	0.9488	0.9614	0.9585	0.9537
0.9513	0.9553	0.9700	0.9849	1.0000

Width:

0.0691	0.1123	0.1443	0.1762	0.1967
0.2103	0.2238	0.2373	0.2509	0.2644
0.2779	0.2915	0.3050	0.3185	0.3321
0.3456	0.3592	0.3727	0.3862	0.3998
0.4133	0.4268	0.4404	0.4539	0.4675
0.4810	0.4945	0.5081	0.5216	0.5351
0.5487	0.5622	0.5757	0.5893	0.6028
0.6164	0.6325	0.6556	0.6786	0.7016
0.7247	0.7477	0.7708	0.8082	0.8495
0.8908	0.9267	0.9512	0.9756	1.0000

Transect XS23

Area:

0.0025	0.0097	0.0182	0.0276	0.0379
0.0489	0.0609	0.0737	0.0871	0.1009
0.1149	0.1292	0.1437	0.1585	0.1736
0.1889	0.2045	0.2204	0.2365	0.2529
0.2695	0.2864	0.3035	0.3210	0.3386
0.3566	0.3748	0.3932	0.4120	0.4310
0.4502	0.4697	0.4895	0.5095	0.5298
0.5510	0.5751	0.6025	0.6328	0.6640
0.6956	0.7277	0.7602	0.7931	0.8265
0.8603	0.8946	0.9293	0.9644	1.0000

Hrad:

0.0157	0.0372	0.0632	0.0873	0.1099
0.1313	0.1519	0.1717	0.1961	0.2220
0.2474	0.2721	0.2964	0.3203	0.3437
0.3666	0.3892	0.4114	0.4333	0.4548
0.4760	0.4970	0.5176	0.5380	0.5581
0.5780	0.5977	0.6171	0.6364	0.6554
0.6743	0.6930	0.7115	0.7298	0.7480
0.7695	0.7916	0.8085	0.8217	0.8357
0.8506	0.8660	0.8820	0.8983	0.9149
0.9317	0.9486	0.9657	0.9828	1.0000

Width:

0.1418	0.2270	0.2507	0.2743	0.2980
0.3216	0.3453	0.3689	0.3808	0.3881
0.3954	0.4027	0.4100	0.4173	0.4246
0.4319	0.4392	0.4465	0.4538	0.4611
0.4684	0.4757	0.4830	0.4903	0.4976
0.5049	0.5122	0.5195	0.5269	0.5342
0.5415	0.5488	0.5561	0.5634	0.5707
0.6287	0.7192	0.8098	0.8655	0.8777
0.8899	0.9022	0.9144	0.9266	0.9388
0.9511	0.9633	0.9755	0.9878	1.0000

Transect XS24

Area:

0.0067	0.0174	0.0297	0.0423	0.0551
0.0683	0.0818	0.0956	0.1096	0.1240
0.1386	0.1536	0.1689	0.1844	0.2002
0.2164	0.2328	0.2496	0.2666	0.2839
0.3015	0.3195	0.3377	0.3562	0.3750
0.3941	0.4135	0.4332	0.4532	0.4735
0.4941	0.5150	0.5361	0.5576	0.5794
0.6015	0.6238	0.6465	0.6695	0.6927

0.7163 0.7402 0.7660 0.7938 0.8238
0.8559 0.8903 0.9258 0.9624 1.0000
Hrad:
0.0246 0.0472 0.0779 0.1076 0.1362
0.1639 0.1907 0.2167 0.2421 0.2667
0.2907 0.3142 0.3371 0.3595 0.3814
0.4030 0.4241 0.4448 0.4652 0.4853
0.5051 0.5245 0.5437 0.5626 0.5813
0.5998 0.6180 0.6360 0.6538 0.6715
0.6889 0.7062 0.7234 0.7403 0.7572
0.7739 0.7904 0.8068 0.8232 0.8394
0.8554 0.8738 0.8936 0.9105 0.9248
0.9376 0.9534 0.9691 0.9847 1.0000
Width:
0.2354 0.3187 0.3264 0.3342 0.3420
0.3498 0.3576 0.3654 0.3731 0.3809
0.3887 0.3965 0.4043 0.4120 0.4198
0.4276 0.4354 0.4432 0.4510 0.4587
0.4665 0.4743 0.4821 0.4899 0.4976
0.5054 0.5132 0.5210 0.5288 0.5366
0.5443 0.5521 0.5599 0.5677 0.5755
0.5832 0.5910 0.5988 0.6066 0.6144
0.6222 0.6482 0.7034 0.7587 0.8140
0.8726 0.9205 0.9470 0.9735 1.0000

Transect XS25
Area:
0.0009 0.0036 0.0082 0.0146 0.0228
0.0326 0.0429 0.0537 0.0648 0.0764
0.0883 0.1007 0.1134 0.1266 0.1401
0.1541 0.1684 0.1832 0.1983 0.2139
0.2298 0.2462 0.2629 0.2801 0.2976
0.3156 0.3339 0.3527 0.3718 0.3914
0.4113 0.4316 0.4525 0.4744 0.4977
0.5223 0.5482 0.5754 0.6040 0.6339
0.6651 0.6976 0.7314 0.7662 0.8023
0.8395 0.8779 0.9174 0.9581 1.0000
Hrad:
0.0217 0.0434 0.0651 0.0868 0.1085
0.1391 0.1758 0.2111 0.2452 0.2783
0.3104 0.3418 0.3723 0.4022 0.4315
0.4602 0.4884 0.5161 0.5434 0.5702
0.5968 0.6229 0.6488 0.6744 0.6997
0.7248 0.7496 0.7742 0.7986 0.8228
0.8469 0.8707 0.8816 0.8721 0.8660
0.8627 0.8617 0.8629 0.8658 0.8703
0.8762 0.8858 0.8983 0.9114 0.9251
0.9392 0.9538 0.9689 0.9843 1.0000
Width:
0.0429 0.0858 0.1287 0.1717 0.2146
0.2390 0.2484 0.2578 0.2673 0.2767
0.2861 0.2955 0.3049 0.3144 0.3238
0.3332 0.3426 0.3521 0.3615 0.3709
0.3803 0.3897 0.3992 0.4086 0.4180
0.4274 0.4368 0.4463 0.4557 0.4651
0.4745 0.4839 0.5012 0.5324 0.5636
0.5948 0.6260 0.6573 0.6885 0.7197

0.7509 0.7802 0.8077 0.8351 0.8626
0.8901 0.9176 0.9450 0.9725 1.0000

Transect XS26
Area:
0.0007 0.0029 0.0065 0.0116 0.0182
0.0262 0.0355 0.0456 0.0564 0.0678
0.0799 0.0926 0.1060 0.1200 0.1347
0.1501 0.1661 0.1828 0.2001 0.2181
0.2367 0.2561 0.2760 0.2967 0.3179
0.3399 0.3625 0.3857 0.4096 0.4342
0.4590 0.4843 0.5099 0.5359 0.5622
0.5889 0.6159 0.6433 0.6711 0.6992
0.7276 0.7565 0.7857 0.8152 0.8451
0.8754 0.9060 0.9370 0.9683 1.0000
Hrad:
0.0195 0.0389 0.0584 0.0779 0.0974
0.1168 0.1410 0.1683 0.1942 0.2191
0.2431 0.2663 0.2889 0.3109 0.3325
0.3537 0.3746 0.3951 0.4154 0.4354
0.4553 0.4749 0.4944 0.5137 0.5329
0.5520 0.5709 0.5898 0.6085 0.6292
0.6507 0.6717 0.6923 0.7126 0.7325
0.7521 0.7713 0.7903 0.8090 0.8274
0.8456 0.8635 0.8813 0.8988 0.9161
0.9332 0.9502 0.9669 0.9835 1.0000
Width:
0.0456 0.0912 0.1369 0.1825 0.2281
0.2737 0.3064 0.3271 0.3477 0.3684
0.3890 0.4097 0.4303 0.4510 0.4716
0.4922 0.5129 0.5335 0.5542 0.5748
0.5955 0.6161 0.6368 0.6574 0.6781
0.6987 0.7193 0.7400 0.7606 0.7753
0.7865 0.7977 0.8090 0.8202 0.8315
0.8427 0.8539 0.8652 0.8764 0.8876
0.8989 0.9101 0.9213 0.9326 0.9438
0.9551 0.9663 0.9775 0.9888 1.0000

Transect XS27
Area:
0.0015 0.0058 0.0131 0.0232 0.0355
0.0484 0.0616 0.0752 0.0892 0.1037
0.1186 0.1338 0.1495 0.1656 0.1821
0.1990 0.2163 0.2341 0.2522 0.2708
0.2897 0.3091 0.3289 0.3491 0.3697
0.3907 0.4121 0.4340 0.4562 0.4789
0.5019 0.5254 0.5493 0.5735 0.5981
0.6229 0.6480 0.6734 0.6991 0.7251
0.7513 0.7778 0.8046 0.8317 0.8590
0.8867 0.9146 0.9428 0.9712 1.0000
Hrad:
0.0189 0.0378 0.0567 0.0757 0.1056
0.1376 0.1679 0.1970 0.2249 0.2517
0.2776 0.3027 0.3270 0.3506 0.3736
0.3961 0.4180 0.4394 0.4604 0.4810
0.5013 0.5212 0.5408 0.5601 0.5791
0.5979 0.6165 0.6348 0.6529 0.6708

0.6886 0.7062 0.7236 0.7414 0.7593
0.7768 0.7942 0.8112 0.8280 0.8446
0.8610 0.8771 0.8931 0.9089 0.9244
0.9399 0.9551 0.9702 0.9852 1.0000
Width:
0.1004 0.2008 0.3013 0.4017 0.4362
0.4504 0.4646 0.4788 0.4930 0.5072
0.5214 0.5356 0.5498 0.5640 0.5782
0.5924 0.6066 0.6208 0.6350 0.6492
0.6634 0.6776 0.6918 0.7060 0.7202
0.7344 0.7486 0.7628 0.7770 0.7912
0.8054 0.8196 0.8338 0.8449 0.8546
0.8643 0.8740 0.8837 0.8934 0.9031
0.9128 0.9225 0.9322 0.9418 0.9515
0.9612 0.9709 0.9806 0.9903 1.0000

Transect XS28
Area:
0.0008 0.0034 0.0075 0.0134 0.0209
0.0302 0.0411 0.0535 0.0669 0.0811
0.0962 0.1117 0.1275 0.1435 0.1598
0.1763 0.1931 0.2101 0.2274 0.2450
0.2628 0.2808 0.2991 0.3176 0.3364
0.3555 0.3748 0.3943 0.4141 0.4342
0.4545 0.4750 0.4958 0.5169 0.5382
0.5603 0.5831 0.6067 0.6315 0.6579
0.6859 0.7154 0.7466 0.7794 0.8137
0.8496 0.8862 0.9236 0.9616 1.0000
Hrad:
0.0253 0.0506 0.0759 0.1012 0.1264
0.1517 0.1770 0.2073 0.2417 0.2744
0.3061 0.3446 0.3815 0.4170 0.4512
0.4842 0.5161 0.5470 0.5769 0.6060
0.6343 0.6619 0.6887 0.7149 0.7405
0.7656 0.7901 0.8141 0.8377 0.8608
0.8835 0.9059 0.9278 0.9494 0.9706
0.9905 1.0090 1.0262 1.0212 1.0172
1.0144 1.0129 1.0126 1.0134 1.0152
1.0254 1.0457 1.0654 1.0851 1.0000
Width:
0.0435 0.0869 0.1304 0.1739 0.2173
0.2608 0.3043 0.3370 0.3580 0.3790
0.3995 0.4061 0.4126 0.4191 0.4256
0.4321 0.4386 0.4452 0.4517 0.4582
0.4647 0.4712 0.4777 0.4843 0.4908
0.4973 0.5038 0.5103 0.5169 0.5234
0.5299 0.5364 0.5429 0.5494 0.5608
0.5815 0.6022 0.6230 0.6639 0.7052
0.7464 0.7877 0.8289 0.8702 0.9114
0.9428 0.9603 0.9779 0.9915 1.0000

Transect XS29
Area:
0.0007 0.0026 0.0059 0.0105 0.0164
0.0236 0.0321 0.0419 0.0529 0.0646
0.0769 0.0900 0.1037 0.1181 0.1332
0.1489 0.1654 0.1824 0.1998 0.2176

0.2356 0.2541 0.2728 0.2919 0.3114
0.3312 0.3514 0.3719 0.3927 0.4139
0.4355 0.4573 0.4796 0.5021 0.5251
0.5483 0.5720 0.5959 0.6203 0.6462
0.6738 0.7030 0.7338 0.7663 0.8005
0.8364 0.8739 0.9136 0.9560 1.0000

Hrad:

0.0231 0.0461 0.0692 0.0922 0.1153
0.1383 0.1614 0.1844 0.2148 0.2468
0.2776 0.3075 0.3366 0.3651 0.3930
0.4204 0.4473 0.4801 0.5140 0.5473
0.5801 0.6123 0.6440 0.6752 0.7059
0.7362 0.7662 0.7957 0.8249 0.8538
0.8823 0.9105 0.9385 0.9661 0.9935
1.0207 1.0476 1.0743 1.0782 1.0565
1.0398 1.0273 1.0183 1.0124 1.0091
1.0081 1.0067 0.9881 0.9797 1.0000

Width:

0.0294 0.0588 0.0882 0.1176 0.1470
0.1763 0.2057 0.2351 0.2542 0.2695
0.2848 0.3001 0.3154 0.3307 0.3460
0.3614 0.3767 0.3861 0.3939 0.4016
0.4094 0.4172 0.4249 0.4327 0.4404
0.4482 0.4560 0.4637 0.4715 0.4792
0.4870 0.4948 0.5025 0.5103 0.5180
0.5258 0.5336 0.5413 0.5618 0.5991
0.6363 0.6736 0.7108 0.7480 0.7853
0.8225 0.8620 0.9212 0.9747 1.0000

Transect XS3

Area:

0.0013 0.0052 0.0118 0.0210 0.0328
0.0472 0.0643 0.0829 0.1019 0.1211
0.1404 0.1598 0.1794 0.1991 0.2190
0.2390 0.2591 0.2794 0.2999 0.3204
0.3411 0.3620 0.3830 0.4041 0.4254
0.4468 0.4684 0.4901 0.5119 0.5339
0.5560 0.5783 0.6007 0.6232 0.6459
0.6687 0.6917 0.7148 0.7380 0.7614
0.7849 0.8086 0.8324 0.8562 0.8801
0.9040 0.9279 0.9519 0.9759 1.0000

Hrad:

0.0141 0.0282 0.0423 0.0565 0.0706
0.0847 0.1000 0.1230 0.1495 0.1755
0.2011 0.2263 0.2512 0.2757 0.2999
0.3237 0.3472 0.3703 0.3932 0.4158
0.4381 0.4601 0.4818 0.5033 0.5245
0.5455 0.5662 0.5867 0.6070 0.6271
0.6469 0.6666 0.6860 0.7053 0.7243
0.7432 0.7619 0.7804 0.7988 0.8169
0.8349 0.8528 0.8716 0.8906 0.9093
0.9279 0.9462 0.9643 0.9823 1.0000

Width:

0.1090 0.2179 0.3269 0.4359 0.5449
0.6538 0.7532 0.7868 0.7926 0.7985
0.8043 0.8102 0.8160 0.8219 0.8277
0.8336 0.8394 0.8453 0.8511 0.8570

0.8628 0.8687 0.8745 0.8804 0.8862
0.8921 0.8980 0.9038 0.9097 0.9155
0.9214 0.9272 0.9331 0.9389 0.9448
0.9506 0.9565 0.9623 0.9682 0.9740
0.9799 0.9857 0.9883 0.9900 0.9917
0.9933 0.9950 0.9967 0.9983 1.0000

Transect XS4
Area:
0.0019 0.0075 0.0157 0.0251 0.0354
0.0467 0.0590 0.0723 0.0866 0.1019
0.1181 0.1351 0.1523 0.1698 0.1877
0.2058 0.2243 0.2430 0.2621 0.2814
0.3011 0.3210 0.3413 0.3618 0.3827
0.4039 0.4253 0.4471 0.4692 0.4916
0.5142 0.5372 0.5605 0.5841 0.6080
0.6321 0.6566 0.6814 0.7065 0.7319
0.7576 0.7836 0.8099 0.8365 0.8633
0.8903 0.9175 0.9448 0.9723 1.0000
Hrad:
0.0152 0.0304 0.0540 0.0770 0.0985
0.1187 0.1381 0.1568 0.1749 0.1926
0.2100 0.2350 0.2595 0.2836 0.3072
0.3303 0.3531 0.3754 0.3974 0.4191
0.4404 0.4615 0.4822 0.5027 0.5229
0.5428 0.5625 0.5820 0.6013 0.6204
0.6392 0.6579 0.6764 0.6947 0.7129
0.7309 0.7487 0.7664 0.7840 0.8014
0.8187 0.8359 0.8530 0.8712 0.8929
0.9146 0.9361 0.9575 0.9788 1.0000
Width:
0.1342 0.2683 0.3175 0.3534 0.3893
0.4251 0.4610 0.4969 0.5328 0.5686
0.6044 0.6153 0.6262 0.6371 0.6480
0.6589 0.6697 0.6806 0.6915 0.7024
0.7133 0.7242 0.7351 0.7460 0.7569
0.7677 0.7786 0.7895 0.8004 0.8113
0.8222 0.8331 0.8440 0.8549 0.8658
0.8766 0.8875 0.8984 0.9093 0.9202
0.9311 0.9420 0.9529 0.9626 0.9688
0.9750 0.9813 0.9875 0.9938 1.0000

Transect XS5
Area:
0.0015 0.0061 0.0138 0.0246 0.0384
0.0542 0.0703 0.0866 0.1032 0.1201
0.1372 0.1546 0.1723 0.1902 0.2083
0.2268 0.2454 0.2644 0.2836 0.3030
0.3228 0.3427 0.3630 0.3834 0.4042
0.4252 0.4465 0.4680 0.4898 0.5118
0.5341 0.5567 0.5795 0.6026 0.6259
0.6495 0.6732 0.6972 0.7213 0.7457
0.7702 0.7950 0.8199 0.8451 0.8704
0.8959 0.9216 0.9476 0.9737 1.0000
Hrad:
0.0164 0.0328 0.0492 0.0656 0.0821
0.1103 0.1392 0.1672 0.1942 0.2203

0.2456 0.2702 0.2941 0.3174 0.3401
0.3622 0.3837 0.4048 0.4254 0.4456
0.4653 0.4847 0.5037 0.5224 0.5407
0.5587 0.5764 0.5939 0.6111 0.6280
0.6447 0.6612 0.6774 0.6935 0.7094
0.7296 0.7497 0.7696 0.7895 0.8092
0.8287 0.8482 0.8675 0.8868 0.9059
0.9249 0.9439 0.9627 0.9814 1.0000

Width:

0.1162 0.2325 0.3487 0.4649 0.5811
0.6044 0.6142 0.6240 0.6338 0.6436
0.6534 0.6632 0.6729 0.6827 0.6925
0.7023 0.7121 0.7219 0.7317 0.7415
0.7513 0.7611 0.7709 0.7806 0.7904
0.8002 0.8100 0.8198 0.8296 0.8394
0.8492 0.8590 0.8688 0.8786 0.8883
0.8958 0.9032 0.9107 0.9181 0.9255
0.9330 0.9404 0.9479 0.9553 0.9628
0.9702 0.9777 0.9851 0.9926 1.0000

Transect XS6

Area:

0.0004 0.0016 0.0036 0.0063 0.0099
0.0142 0.0194 0.0253 0.0321 0.0396
0.0479 0.0570 0.0669 0.0776 0.0890
0.1013 0.1144 0.1282 0.1428 0.1583
0.1745 0.1915 0.2093 0.2279 0.2473
0.2675 0.2885 0.3102 0.3328 0.3561
0.3803 0.4052 0.4309 0.4574 0.4847
0.5128 0.5417 0.5714 0.6018 0.6331
0.6652 0.6983 0.7324 0.7676 0.8037
0.8409 0.8792 0.9184 0.9587 1.0000

Hrad:

0.0202 0.0405 0.0607 0.0810 0.1012
0.1215 0.1417 0.1619 0.1822 0.2024
0.2227 0.2429 0.2632 0.2834 0.3037
0.3239 0.3441 0.3644 0.3846 0.4049
0.4251 0.4454 0.4656 0.4858 0.5061
0.5263 0.5466 0.5668 0.5871 0.6073
0.6276 0.6478 0.6680 0.6883 0.7085
0.7288 0.7490 0.7693 0.7895 0.8097
0.8299 0.8497 0.8691 0.8882 0.9070
0.9255 0.9437 0.9617 0.9795 1.0000

Width:

0.0190 0.0380 0.0570 0.0759 0.0949
0.1139 0.1329 0.1519 0.1709 0.1899
0.2088 0.2278 0.2468 0.2658 0.2848
0.3038 0.3228 0.3417 0.3607 0.3797
0.3987 0.4177 0.4367 0.4556 0.4746
0.4936 0.5126 0.5316 0.5506 0.5696
0.5885 0.6075 0.6265 0.6455 0.6645
0.6835 0.7025 0.7214 0.7404 0.7597
0.7816 0.8062 0.8309 0.8555 0.8802
0.9048 0.9294 0.9541 0.9787 1.0000

Transect XS7

Area:

0.0004 0.0016 0.0035 0.0063 0.0098
0.0141 0.0192 0.0251 0.0317 0.0392
0.0474 0.0564 0.0662 0.0768 0.0882
0.1003 0.1132 0.1270 0.1414 0.1567
0.1728 0.1896 0.2073 0.2257 0.2449
0.2649 0.2856 0.3072 0.3295 0.3526
0.3765 0.4012 0.4267 0.4529 0.4800
0.5078 0.5364 0.5658 0.5960 0.6269
0.6588 0.6919 0.7262 0.7616 0.7983
0.8362 0.8754 0.9157 0.9572 1.0000

Hrad:

0.0206 0.0412 0.0617 0.0823 0.1029
0.1235 0.1441 0.1646 0.1852 0.2058
0.2264 0.2470 0.2675 0.2881 0.3087
0.3293 0.3499 0.3704 0.3910 0.4116
0.4322 0.4528 0.4733 0.4939 0.5145
0.5351 0.5557 0.5762 0.5968 0.6174
0.6380 0.6586 0.6791 0.6997 0.7203
0.7409 0.7615 0.7820 0.8026 0.8232
0.8435 0.8631 0.8819 0.9002 0.9178
0.9349 0.9515 0.9677 0.9834 1.0000

Width:

0.0181 0.0362 0.0543 0.0724 0.0905
0.1086 0.1267 0.1448 0.1629 0.1810
0.1991 0.2173 0.2354 0.2535 0.2716
0.2897 0.3078 0.3259 0.3440 0.3621
0.3802 0.3983 0.4164 0.4345 0.4526
0.4707 0.4888 0.5069 0.5250 0.5431
0.5612 0.5793 0.5974 0.6156 0.6337
0.6518 0.6699 0.6880 0.7061 0.7252
0.7498 0.7778 0.8058 0.8338 0.8618
0.8898 0.9178 0.9458 0.9738 1.0000

Transect XS8

Area:

0.0009 0.0035 0.0078 0.0139 0.0216
0.0312 0.0424 0.0554 0.0701 0.0866
0.1047 0.1247 0.1456 0.1668 0.1880
0.2094 0.2309 0.2525 0.2742 0.2961
0.3181 0.3402 0.3624 0.3848 0.4073
0.4299 0.4526 0.4755 0.4985 0.5216
0.5448 0.5682 0.5916 0.6152 0.6389
0.6627 0.6865 0.7103 0.7342 0.7581
0.7821 0.8061 0.8302 0.8543 0.8785
0.9027 0.9269 0.9512 0.9756 1.0000

Hrad:

0.0163 0.0326 0.0490 0.0653 0.0816
0.0979 0.1143 0.1306 0.1469 0.1632
0.1796 0.1959 0.2240 0.2527 0.2807
0.3082 0.3350 0.3613 0.3871 0.4123
0.4370 0.4612 0.4850 0.5083 0.5312
0.5537 0.5758 0.5975 0.6189 0.6399
0.6605 0.6808 0.7008 0.7205 0.7403
0.7597 0.7789 0.7976 0.8161 0.8342
0.8521 0.8696 0.8868 0.9038 0.9205
0.9369 0.9530 0.9689 0.9846 1.0000

Width:

```
            0.0709     0.1418     0.2127     0.2835     0.3544
            0.4253     0.4962     0.5671     0.6380     0.7089
            0.7797     0.8506     0.8622     0.8673     0.8723
            0.8774     0.8825     0.8876     0.8926     0.8977
            0.9028     0.9079     0.9129     0.9180     0.9231
            0.9282     0.9332     0.9383     0.9434     0.9485
            0.9535     0.9586     0.9637     0.9688     0.9711
            0.9730     0.9749     0.9768     0.9788     0.9807
            0.9826     0.9846     0.9865     0.9884     0.9904
            0.9923     0.9942     0.9961     0.9981     1.0000

Transect XS9
Area:
            0.0006     0.0026     0.0058     0.0103     0.0161
            0.0232     0.0316     0.0412     0.0522     0.0644
            0.0779     0.0926     0.1079     0.1239     0.1404
            0.1575     0.1753     0.1936     0.2125     0.2321
            0.2522     0.2728     0.2938     0.3152     0.3371
            0.3593     0.3819     0.4050     0.4284     0.4523
            0.4765     0.5012     0.5262     0.5517     0.5775
            0.6038     0.6305     0.6576     0.6850     0.7129
            0.7408     0.7690     0.7973     0.8258     0.8544
            0.8832     0.9122     0.9413     0.9706     1.0000
Hrad:
            0.0150     0.0301     0.0451     0.0602     0.0752
            0.0903     0.1053     0.1204     0.1354     0.1505
            0.1655     0.1854     0.2076     0.2293     0.2505
            0.2712     0.2916     0.3115     0.3312     0.3505
            0.3699     0.3920     0.4139     0.4355     0.4568
            0.4778     0.4986     0.5191     0.5395     0.5596
            0.5796     0.5993     0.6189     0.6383     0.6575
            0.6766     0.6955     0.7143     0.7330     0.7560
            0.7809     0.8058     0.8305     0.8551     0.8795
            0.9038     0.9281     0.9522     0.9761     1.0000
Width:
            0.0436     0.0873     0.1309     0.1746     0.2182
            0.2619     0.3055     0.3491     0.3928     0.4364
            0.4801     0.5093     0.5296     0.5499     0.5703
            0.5906     0.6110     0.6313     0.6516     0.6720
            0.6918     0.7055     0.7191     0.7328     0.7465
            0.7601     0.7738     0.7875     0.8011     0.8148
            0.8285     0.8421     0.8558     0.8695     0.8831
            0.8968     0.9105     0.9241     0.9378     0.9459
            0.9513     0.9567     0.9621     0.9675     0.9730
            0.9784     0.9838     0.9892     0.9946     1.0000


************************************************************
NOTE: The summary statistics displayed in this report are
based on results found at every computational time step,
not just on results from each reporting time step.
************************************************************

****************
Analysis Options
****************
Flow Units ..... CFS
```

```
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ YES
  Water Quality .......... NO
Flow Routing Method ...... DYNWAVE
Surcharge Method ......... EXTRAN
Starting Date ............ 11/01/2021 00:00:00
Ending Date .............. 11/01/2021 12:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:03:00
Routing Time Step ........ 5.00 sec
Variable Time Step ....... YES
Maximum Trials ........... 8
Number of Threads ........ 6
Head Tolerance ........... 0.005000 ft


**************************        Volume         Volume
Flow Routing Continuity        acre-feet       10^6 gal
**************************     ---------      ---------
Dry Weather Inflow .......         0.000          0.000
Wet Weather Inflow .......         0.000          0.000
Groundwater Inflow .......         0.000          0.000
RDII Inflow ..............         0.000          0.000
External Inflow ..........        99.025         32.269
External Outflow .........        98.457         32.084
Flooding Loss ............         0.195          0.064
Evaporation Loss .........         0.000          0.000
Exfiltration Loss ........         0.000          0.000
Initial Stored Volume ....         0.001          0.000
Final Stored Volume ......         1.186          0.386
Continuity Error (%) .....        -0.819


*************************
Highest Continuity Errors
*************************
Node J90 (-4.09%)
Node J107 (2.75%)


***************************
Time-Step Critical Elements
***************************
Link C145 (57.70%)
Link C4_1 (17.27%)
Link C177 (8.65%)
Link C79 (4.00%)
Link C103 (4.00%)


*******************************
Highest Flow Instability Indexes
```

```
*******************************
Link C4_1 (61)
Link C4 (48)
Link C18 (30)
Link C19 (28)
Link C17 (26)


*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     0.50 sec
Average Time Step           :     0.91 sec
Maximum Time Step           :     5.00 sec
Percent in Steady State     :     0.00
Average Iterations per Step :     2.44
Percent Not Converging      :     2.04
Time Step Frequencies       :
    5.000 -  3.155 sec      :     1.15 %
    3.155 -  1.991 sec      :    11.94 %
    1.991 -  1.256 sec      :     7.58 %
    1.256 -  0.792 sec      :     4.90 %
    0.792 -  0.500 sec      :    74.43 %


******************
Node Depth Summary
******************
```

Node	Type	Average Depth Feet	Maximum Depth Feet	Maximum HGL Feet	Time of Max Occurrence days hr:min	Reported Max Depth Feet
J1	JUNCTION	1.01	3.28	851.67	0 03:23	3.27
J10	JUNCTION	1.03	4.75	883.79	0 03:12	4.75
J100	JUNCTION	0.53	1.51	907.13	0 03:10	1.51
J101	JUNCTION	2.06	7.94	971.22	0 03:09	7.94
J102	JUNCTION	0.38	1.33	999.52	0 03:06	1.33
J103	JUNCTION	0.04	0.12	996.13	0 03:06	0.12
J104	JUNCTION	0.33	3.22	983.31	0 02:59	2.87
J105	JUNCTION	0.41	3.72	982.80	0 03:09	3.71
J106	JUNCTION	1.29	5.68	982.61	0 03:09	5.67
J107	JUNCTION	0.05	0.47	991.25	0 03:07	0.47
J108	JUNCTION	3.03	11.33	1019.33	0 03:10	11.33
J109	JUNCTION	0.00	0.00	978.18	0 00:00	0.00
J11	JUNCTION	0.76	2.07	900.47	0 03:18	2.07
J110	JUNCTION	1.50	5.87	1019.87	0 03:09	5.87
J111	JUNCTION	3.18	11.53	1019.33	0 03:10	11.53
J112	JUNCTION	0.00	0.00	998.36	0 00:00	0.00
J113	JUNCTION	0.43	4.47	1041.71	0 03:09	4.47
J114	JUNCTION	0.00	0.00	891.30	0 00:00	0.00
J115	JUNCTION	0.00	0.00	892.11	0 00:00	0.00
J116	JUNCTION	0.00	0.00	894.30	0 00:00	0.00
J117	JUNCTION	1.48	4.87	886.95	0 03:09	4.85
J118	JUNCTION	0.46	1.33	892.12	0 03:06	1.33
J119	JUNCTION	0.66	1.59	892.22	0 03:06	1.59

J12	JUNCTION	0.54	1.60	897.55	0	03:09	1.60
J120	JUNCTION	0.29	1.14	892.61	0	03:06	1.13
J121	JUNCTION	0.02	0.48	892.61	0	03:06	0.47
J122	JUNCTION	0.19	0.74	894.65	0	03:06	0.74
J123	JUNCTION	0.00	0.00	893.13	0	00:00	0.00
J124	JUNCTION	0.00	0.00	893.48	0	00:00	0.00
J125	JUNCTION	0.29	1.29	882.94	0	03:06	1.29
J126	JUNCTION	0.51	2.96	880.58	0	03:05	2.96
J127	JUNCTION	0.00	0.00	884.30	0	00:00	0.00
J128	JUNCTION	0.00	0.00	882.80	0	00:00	0.00
J129	JUNCTION	0.29	1.17	878.22	0	03:06	1.17
J13	JUNCTION	1.03	6.15	866.52	0	03:07	6.01
J130	JUNCTION	0.45	3.50	866.37	0	03:07	3.39
J131	JUNCTION	0.35	2.95	864.61	0	03:07	2.87
J132	JUNCTION	0.63	5.08	996.98	0	03:05	5.06
J133	JUNCTION	0.69	7.80	991.59	0	03:09	7.80
J134	JUNCTION	2.19	2.44	1045.23	0	03:10	2.44
J135	JUNCTION	1.06	9.95	987.04	0	03:08	9.94
J136	JUNCTION	0.68	6.17	979.63	0	03:09	6.17
J137	JUNCTION	0.58	3.38	974.09	0	03:09	3.38
J138	JUNCTION	0.72	4.96	976.34	0	03:09	4.96
J139	JUNCTION	1.02	6.03	965.53	0	03:10	6.02
J14	JUNCTION	1.49	7.40	866.23	0	03:07	7.23
J140	JUNCTION	2.33	12.59	943.74	0	03:11	12.59
J141	JUNCTION	1.13	3.93	933.42	0	03:08	3.93
J142	JUNCTION	0.75	16.62	1063.58	0	03:10	16.36
J143	JUNCTION	0.56	3.16	1037.13	0	03:10	3.15
J144	JUNCTION	0.60	4.45	971.22	0	03:09	4.45
J145	JUNCTION	0.45	3.58	971.23	0	03:08	3.57
J146	JUNCTION	0.45	3.57	971.22	0	03:08	3.57
J147	JUNCTION	1.06	17.32	1063.57	0	03:10	17.07
J148	JUNCTION	0.81	1.84	930.92	0	03:06	1.84
J149	JUNCTION	0.17	2.23	1076.11	0	03:09	2.23
J15	JUNCTION	0.88	4.70	863.14	0	03:09	4.66
J150	JUNCTION	1.24	17.57	1063.57	0	03:10	17.32
J151	JUNCTION	0.62	1.19	997.69	0	03:58	1.18
J152	JUNCTION	0.36	2.99	985.57	0	03:43	2.97
J153	JUNCTION	1.99	6.15	985.48	0	03:49	6.02
J154	JUNCTION	0.64	2.85	979.66	0	03:06	2.85
J155	JUNCTION	0.71	3.74	980.90	0	03:06	3.73
J156	JUNCTION	0.49	3.45	982.09	0	03:15	3.42
J157	JUNCTION	0.53	3.23	984.00	0	03:06	3.20
J158	JUNCTION	1.61	3.23	984.03	0	03:16	3.22
J159	JUNCTION	0.63	6.78	1008.94	0	03:13	6.63
J16	JUNCTION	1.40	5.87	862.80	0	03:09	5.81
J160	JUNCTION	0.00	0.00	1029.71	0	00:00	0.00
J161	JUNCTION	0.00	0.00	1014.00	0	00:00	0.00
J162	JUNCTION	0.97	4.96	1008.94	0	03:13	4.82
J163	JUNCTION	0.00	0.00	1008.97	0	00:00	0.00
J164	JUNCTION	0.00	0.00	1009.11	0	00:00	0.00
J165	JUNCTION	0.00	0.00	1011.41	0	00:00	0.00
J166	JUNCTION	0.29	1.31	977.31	0	03:20	1.31
J167	JUNCTION	0.18	0.76	966.67	0	03:09	0.76
J168	JUNCTION	0.00	0.00	912.61	0	00:00	0.00
J169	JUNCTION	0.00	0.00	912.00	0	00:00	0.00
J17	JUNCTION	0.81	4.78	859.36	0	03:09	4.68
J170	JUNCTION	0.00	0.00	908.86	0	00:00	0.00

J171	JUNCTION	0.00	0.00	905.27	0	00:00	0.00
J172	JUNCTION	0.34	1.36	903.26	0	03:09	1.36
J173	JUNCTION	0.00	0.00	910.94	0	00:00	0.00
J174	JUNCTION	0.00	0.00	909.90	0	00:00	0.00
J175	JUNCTION	0.00	0.00	908.08	0	00:00	0.00
J176	JUNCTION	0.00	0.00	901.94	0	00:00	0.00
J177	JUNCTION	0.00	0.00	900.54	0	00:00	0.00
J178	JUNCTION	0.00	0.00	903.72	0	00:00	0.00
J179	JUNCTION	0.00	0.00	898.29	0	00:00	0.00
J18	JUNCTION	1.06	4.76	858.31	0	03:07	4.68
J180	JUNCTION	0.57	2.44	897.76	0	03:09	2.43
J181	JUNCTION	0.16	2.27	892.27	0	03:06	2.19
J182	JUNCTION	0.58	2.67	891.10	0	03:06	2.63
J183	JUNCTION	0.00	0.00	884.34	0	00:00	0.00
J184	JUNCTION	0.04	1.44	863.35	0	03:09	1.24
J185	JUNCTION	0.00	0.00	927.55	0	00:00	0.00
J186	JUNCTION	0.02	0.34	926.54	0	03:08	0.34
J19	JUNCTION	0.98	3.26	851.66	0	03:21	3.25
J2	JUNCTION	1.34	5.82	867.03	0	03:09	5.60
J20	JUNCTION	1.17	3.27	848.59	0	03:21	3.27
J21	JUNCTION	1.15	4.71	868.30	0	03:09	4.68
J22	JUNCTION	1.56	7.21	871.19	0	03:08	6.92
J23	JUNCTION	1.77	7.14	871.00	0	03:08	6.81
J24	JUNCTION	1.64	5.94	870.77	0	03:09	5.90
J25	JUNCTION	1.40	5.24	871.08	0	03:09	5.16
J26	JUNCTION	0.86	3.90	871.86	0	03:10	3.88
J27	JUNCTION	1.11	3.32	874.86	0	03:10	3.30
J28	JUNCTION	0.71	4.31	947.52	0	03:06	4.31
J29	JUNCTION	1.53	6.60	933.29	0	03:06	6.59
J3	JUNCTION	0.83	2.78	855.94	0	03:13	2.78
J30	JUNCTION	1.28	4.83	926.85	0	03:06	4.82
J31	JUNCTION	2.57	6.92	926.54	0	03:08	6.92
J32	JUNCTION	1.69	6.44	925.71	0	03:09	6.43
J33	JUNCTION	1.52	6.95	924.69	0	03:09	6.95
J34	JUNCTION	1.65	8.70	907.92	0	03:10	8.70
J35	JUNCTION	1.17	7.93	916.48	0	03:10	7.93
J36	JUNCTION	0.80	3.01	900.72	0	03:10	3.00
J37	JUNCTION	0.43	1.73	898.66	0	03:10	1.72
J38	JUNCTION	1.11	5.73	892.86	0	03:10	5.69
J39	JUNCTION	0.81	2.50	888.17	0	03:10	2.49
J4	JUNCTION	1.75	7.86	862.28	0	03:12	7.84
J40	JUNCTION	0.43	1.90	905.46	0	03:09	1.90
J41	JUNCTION	4.68	6.93	901.38	0	03:09	6.93
J42	JUNCTION	0.59	1.86	900.13	0	03:09	1.86
J43	JUNCTION	0.48	2.24	897.38	0	03:06	2.24
J44	JUNCTION	0.52	2.85	892.24	0	03:06	2.81
J45	JUNCTION	0.92	2.78	890.13	0	03:07	2.76
J46	JUNCTION	1.06	11.12	1040.35	0	03:09	11.04
J47	JUNCTION	0.87	9.51	1038.54	0	03:09	9.41
J48	JUNCTION	0.81	6.89	1035.12	0	03:09	6.81
J49	JUNCTION	0.39	1.55	1028.73	0	03:09	1.54
J5	JUNCTION	0.67	2.68	856.53	0	03:12	2.68
J50	JUNCTION	0.52	2.80	1014.49	0	03:10	2.60
J51	JUNCTION	0.53	4.55	1009.87	0	03:08	4.00
J52	JUNCTION	0.63	6.18	1002.87	0	03:12	6.18
J53	JUNCTION	0.56	10.98	1083.39	0	03:08	10.97
J54	JUNCTION	1.51	27.39	1098.11	0	03:08	27.18

J55	JUNCTION	2.04	31.29	1096.89	0	03:07	30.96
J56	JUNCTION	2.33	24.96	1075.56	0	03:10	24.76
J57	JUNCTION	0.56	2.16	1017.05	0	03:08	2.16
J58	JUNCTION	0.18	0.60	1046.35	0	03:10	0.59
J59	JUNCTION	1.00	6.99	1041.51	0	03:09	6.99
J6	JUNCTION	0.73	2.08	868.48	0	03:12	2.08
J60	JUNCTION	1.07	5.45	1026.95	0	03:08	5.45
J61	JUNCTION	1.36	5.01	1007.61	0	03:08	5.01
J62	JUNCTION	1.35	5.70	1007.48	0	03:08	5.70
J63	JUNCTION	0.47	1.85	997.70	0	03:08	1.84
J64	JUNCTION	1.46	6.04	992.84	0	03:08	6.04
J65	JUNCTION	0.78	2.50	989.04	0	03:08	2.50
J66	JUNCTION	1.46	4.95	983.81	0	03:09	4.95
J67	JUNCTION	0.73	3.76	986.13	0	03:09	3.76
J68	JUNCTION	1.22	6.35	983.32	0	03:08	6.32
J69	JUNCTION	1.23	6.25	982.62	0	03:09	6.25
J7	JUNCTION	3.30	8.96	884.34	0	03:12	8.96
J70	JUNCTION	1.83	8.44	981.85	0	03:10	8.44
J71	JUNCTION	0.14	0.63	970.29	0	03:09	0.63
J72	JUNCTION	0.77	19.64	1075.26	0	03:08	19.51
J74	JUNCTION	0.99	22.64	1074.93	0	03:08	22.48
J75	JUNCTION	0.93	21.91	1074.92	0	03:08	21.74
J76	JUNCTION	0.89	21.24	1074.92	0	03:08	21.14
J77	JUNCTION	1.85	6.08	1034.54	0	03:10	6.07
J78	JUNCTION	1.95	10.00	1031.44	0	03:09	10.00
J79	JUNCTION	1.51	8.34	1034.49	0	03:09	8.34
J8	JUNCTION	0.84	2.48	877.56	0	03:12	2.48
J80	JUNCTION	2.24	8.44	1022.99	0	03:09	8.44
J81	JUNCTION	1.11	4.99	1019.99	0	03:09	4.99
J82	JUNCTION	1.51	5.75	1019.75	0	03:09	5.74
J83	JUNCTION	0.28	2.13	1021.93	0	03:08	2.12
J84	JUNCTION	0.47	2.96	1021.01	0	03:08	2.95
J85	JUNCTION	0.67	2.47	990.72	0	03:09	2.47
J86	JUNCTION	0.47	1.71	988.88	0	03:09	1.71
J87	JUNCTION	0.53	1.81	988.22	0	03:09	1.81
J88	JUNCTION	0.51	1.92	987.57	0	03:09	1.92
J89	JUNCTION	1.05	4.83	986.35	0	03:52	4.69
J9	JUNCTION	3.04	8.70	884.36	0	03:12	8.70
J90	JUNCTION	1.97	5.81	986.06	0	03:09	5.80
J91	JUNCTION	2.22	26.36	1075.02	0	03:08	26.18
J92	JUNCTION	0.95	4.09	980.04	0	03:09	4.09
J93	JUNCTION	1.02	4.17	979.59	0	03:09	4.17
J94	JUNCTION	1.52	4.66	978.46	0	03:09	4.66
J95	JUNCTION	1.83	4.73	978.12	0	03:09	4.73
J96	JUNCTION	0.82	3.58	976.85	0	03:09	3.58
J97	JUNCTION	2.26	6.88	971.58	0	03:09	6.88
J98	JUNCTION	2.13	7.60	970.13	0	03:09	7.60
J99	JUNCTION	0.38	1.54	963.52	0	03:09	1.54
OF1	OUTFALL	1.17	3.27	846.31	0	03:21	3.26
J73	STORAGE	1.82	26.10	1074.68	0	03:08	26.10
SU1	STORAGE	0.82	2.30	950.40	0	03:19	2.30
SU2	STORAGE	0.09	1.79	892.25	0	03:07	1.72

****
Node Inflow Summary
****

Node	Type	Maximum Lateral Inflow CFS	Maximum Total Inflow CFS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10^6 gal	Total Inflow Volume 10^6 gal	Flow Balance Error Percent
J1	JUNCTION	106.46	1243.12	0 03:11	2.19	32.3	0.308
J10	JUNCTION	0.00	568.95	0 03:11	0	16.7	0.012
J100	JUNCTION	0.00	178.59	0 03:09	0	4.21	0.047
J101	JUNCTION	34.41	108.90	0 03:45	0.712	5.51	-0.013
J102	JUNCTION	12.23	12.23	0 03:06	0.235	0.235	-0.194
J103	JUNCTION	0.00	3.26	0 03:06	0	0.164	-0.000
J104	JUNCTION	0.00	3.26	0 03:06	0	0.164	0.025
J105	JUNCTION	0.00	4.93	0 02:59	0	0.164	-0.030
J106	JUNCTION	0.00	150.05	0 03:00	0	5.72	-0.008
J107	JUNCTION	0.00	8.91	0 03:06	0	0.0719	2.827
J108	JUNCTION	0.00	2.06	0 02:43	0	0.00519	0.075
J109	JUNCTION	0.00	0.00	0 00:00	0	0	0.000 gal
J11	JUNCTION	33.37	318.01	0 03:18	0.662	10.4	0.010
J110	JUNCTION	0.00	49.27	0 03:09	0	3.13	-0.005
J111	JUNCTION	0.00	38.92	0 02:46	0	2.81	-0.001
J112	JUNCTION	0.00	0.00	0 00:00	0	0	0.000 gal
J113	JUNCTION	0.00	40.85	0 03:09	0	0.372	0.065
J114	JUNCTION	0.00	0.00	0 00:00	0	0	0.000 gal
J115	JUNCTION	0.00	0.00	0 00:00	0	0	0.000 gal
J116	JUNCTION	0.00	0.00	0 00:00	0	0	0.000 gal
J117	JUNCTION	96.23	196.32	0 03:09	2.06	4.27	0.033
J118	JUNCTION	0.00	20.08	0 03:06	0	0.434	-0.097
J119	JUNCTION	0.00	20.07	0 03:06	0	0.434	-0.003
J12	JUNCTION	107.24	283.95	0 03:09	2.17		

J120	JUNCTION	0.00	20.08	0	03:06	0	0.434
0.001							
J121	JUNCTION	0.00	0.05	0	03:00	0	0.000126
0.079							
J122	JUNCTION	20.08	20.08	0	03:06	0.434	0.434
-0.000							
J123	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J124	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J125	JUNCTION	42.21	42.21	0	03:06	0.911	0.911
-0.000							
J126	JUNCTION	0.00	42.24	0	03:06	0	0.911
-0.001							
J127	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J128	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J129	JUNCTION	0.00	42.24	0	03:06	0	0.911
0.002							
J13	JUNCTION	0.00	568.40	0	03:09	0	12
0.025							
J130	JUNCTION	0.00	42.23	0	03:06	0	0.911
0.012							
J131	JUNCTION	0.00	42.23	0	03:06	0	0.911
-0.017							
J132	JUNCTION	39.43	141.79	0	03:10	0.825	3.22
-0.001							
J133	JUNCTION	32.99	174.45	0	03:09	0.685	3.91
-0.005							
J134	JUNCTION	0.00	46.32	0	03:10	0	1.59
0.100							
J135	JUNCTION	0.00	160.17	0	03:06	0	3.87
-0.001							
J136	JUNCTION	0.00	160.17	0	03:06	0	3.87
-0.003							
J137	JUNCTION	0.00	174.20	0	03:09	0	3.91
-0.000							
J138	JUNCTION	0.00	160.17	0	03:06	0	3.87
-0.001							
J139	JUNCTION	0.00	174.22	0	03:09	0	3.91
0.003							
J14	JUNCTION	0.00	576.33	0	03:09	0	11.9
-0.014							
J140	JUNCTION	0.00	70.02	0	02:55	0	3.05
-0.126							
J141	JUNCTION	0.00	68.73	0	03:12	0	3.06
0.037							
J142	JUNCTION	0.00	3.98	0	03:25	0	0.011
0.036							
J143	JUNCTION	0.00	138.55	0	03:10	0	3.52
-0.000							
J144	JUNCTION	0.00	3.97	0	02:47	0	0.00413
0.063							
J145	JUNCTION	0.00	0.60	0	02:51	0	0.000849
0.933							
J146	JUNCTION	0.00	2.14	0	02:53	0	0.00386
-0.015							
J147	JUNCTION	0.00	5.33	0	03:01	0	0.0109
0.148							

J148		JUNCTION	0.00	147.67	0	03:06	0	
1.63	-0.064							
J149		JUNCTION	0.00	38.73	0	03:08	0	
0.326	-0.049							
J15		JUNCTION	0.00	585.60	0	03:07	0	
12.9	-0.000							
J150		JUNCTION	35.48	147.44	0	03:08	0.711	
3.54	0.004							
J151		JUNCTION	0.00	35.09	0	03:56	0	
2.81	0.001							
J152		JUNCTION	0.00	8.45	0	03:52	0	
0.0173	0.395							
J153		JUNCTION	0.00	152.47	0	02:59	0	
5.57	-0.034							
J154		JUNCTION	0.00	49.20	0	03:06	0	
1.29	-0.000							
J155		JUNCTION	0.00	49.43	0	03:07	0	
1.29	0.000							
J156		JUNCTION	0.00	50.10	0	03:07	0	
1.29	-0.002							
J157		JUNCTION	0.00	76.18	0	03:07	0	
1.32	0.128							
J158		JUNCTION	0.00	53.83	0	03:13	0	
1.32	0.113							
J159		JUNCTION	0.00	60.72	0	03:08	0	
1.32	-0.014							
J16		JUNCTION	0.00	588.90	0	03:07	0	
12.9	0.001							
J160		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J161		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J162		JUNCTION	61.64	61.64	0	03:09	1.32	
1.32	0.020							
J163		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J164		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J165		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J166		JUNCTION	0.00	49.20	0	03:06	0	
1.29	0.000							
J167		JUNCTION	0.00	178.69	0	03:09	0	
4.21	-0.007							
J168		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J169		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J17		JUNCTION	24.21	596.17	0	03:07	0.471	
13.3	-0.001							
J170		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J171		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J172		JUNCTION	0.00	55.85	0	03:09	0	
1.19	0.001							
J173		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J174		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							

J175	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J176	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J177	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J178	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J179	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J18	JUNCTION	0.00	591.71	0	03:09	0	13.3
-0.008							
J180	JUNCTION	0.00	55.87	0	03:09	0	1.19
0.000							
J181	JUNCTION	0.00	0.54	0	03:10	0	0.00527
-0.019							
J182	JUNCTION	0.00	82.16	0	03:06	0	1.77
-0.000							
J183	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J184	JUNCTION	0.00	1.17	0	03:07	0	0.00165
-0.279							
J185	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J186	JUNCTION	0.00	0.05	0	03:00	0	0.000197
0.038							
J19	JUNCTION	0.00	1004.75	0	03:12	0	32.2
0.233							
J2	JUNCTION	0.00	607.29	0	03:09	0	12
0.008							
J20	JUNCTION	0.00	916.69	0	03:21	0	32.1
0.002							
J21	JUNCTION	0.00	631.98	0	03:08	0	12
0.029							
J22	JUNCTION	0.00	730.46	0	03:08	0	12
-0.030							
J23	JUNCTION	0.00	566.12	0	03:08	0	12
0.001							
J24	JUNCTION	0.00	538.79	0	03:09	0	12
0.000							
J25	JUNCTION	0.00	529.78	0	03:10	0	12
0.000							
J26	JUNCTION	0.00	529.76	0	03:10	0	12
-0.000							
J27	JUNCTION	0.00	529.84	0	03:10	0	12
0.001							
J28	JUNCTION	157.19	157.19	0	03:06	3.33	3.33
0.004							
J29	JUNCTION	0.00	82.20	0	02:46	0	4.76
-0.002							
J3	JUNCTION	0.00	568.18	0	03:12	0	16.7
0.000							
J30	JUNCTION	0.00	225.48	0	03:06	0	6.39
-0.005							
J31	JUNCTION	0.00	224.77	0	03:06	0	6.39
0.010							
J32	JUNCTION	0.00	324.05	0	03:09	0	7.25
-0.003							
J33	JUNCTION	0.00	322.98	0	03:09	0	7.25
0.002							

J34		JUNCTION	8.33	328.00	0	03:10	0.181
7.43	0.000						
J35		JUNCTION	0.00	322.97	0	03:09	0
7.25	0.000						
J36		JUNCTION	0.00	328.01	0	03:10	0
7.43	0.010						
J37		JUNCTION	0.00	329.90	0	03:12	0
7.43	-0.010						
J38		JUNCTION	12.74	336.54	0	03:10	0.263
7.69	0.000						
J39		JUNCTION	0.00	336.26	0	03:10	0
7.69	-0.002						
J4		JUNCTION	0.00	568.56	0	03:12	0
16.7	0.003						
J40		JUNCTION	55.88	55.88	0	03:09	1.19
1.19	-0.000						
J41		JUNCTION	0.00	55.86	0	03:09	0
1.19	0.033						
J42		JUNCTION	0.00	55.86	0	03:09	0
1.19	0.004						
J43		JUNCTION	27.87	82.32	0	03:06	0.584
1.77	0.004						
J44		JUNCTION	0.00	82.36	0	03:06	0
1.77	-0.002						
J45		JUNCTION	0.00	82.16	0	03:06	0
1.77	-0.042						
J46		JUNCTION	85.95	85.95	0	03:09	1.84
1.84	0.001						
J47		JUNCTION	0.00	85.25	0	03:09	0
1.84	0.000						
J48		JUNCTION	0.00	84.77	0	03:09	0
1.84	0.001						
J49		JUNCTION	0.00	84.69	0	03:09	0
1.84	-0.000						
J5		JUNCTION	0.00	568.17	0	03:12	0
16.7	-0.000						
J50		JUNCTION	27.06	111.06	0	03:09	0.563
2.4	-0.000						
J51		JUNCTION	0.00	110.05	0	03:09	0
2.4	0.007						
J52		JUNCTION	0.00	110.05	0	03:09	0
2.4	-0.018						
J53		JUNCTION	0.00	38.90	0	03:07	0
0.329	-0.001						
J54		JUNCTION	63.16	63.16	0	03:06	1.27
1.27	-0.008						
J55		JUNCTION	32.84	54.07	0	03:06	0.644
1.58	-0.001						
J56		JUNCTION	0.00	49.04	0	03:06	0
1.58	-0.059						
J57		JUNCTION	0.00	109.81	0	03:08	0
2.5	-0.004						
J58		JUNCTION	0.00	46.32	0	03:10	0
1.59	0.000						
J59		JUNCTION	0.00	84.89	0	03:09	0
1.91	-0.012						
J6		JUNCTION	0.00	568.57	0	03:12	0
16.7	0.003						
J60		JUNCTION	29.82	109.81	0	03:07	0.594
2.5	-0.002						

J61	JUNCTION	0.00	109.81	0	03:08	0	2.5
0.000							
J62	JUNCTION	0.00	109.81	0	03:08	0	2.5
-0.000							
J63	JUNCTION	0.00	109.81	0	03:08	0	2.5
-0.003							
J64	JUNCTION	20.38	129.81	0	03:08	0.41	2.91
0.028							
J65	JUNCTION	0.00	129.80	0	03:08	0	2.91
-0.010							
J66	JUNCTION	0.00	129.65	0	03:09	0	2.91
0.003							
J67	JUNCTION	0.00	129.80	0	03:08	0	2.91
0.000							
J68	JUNCTION	0.00	42.87	0	02:48	0	1.95
0.002							
J69	JUNCTION	0.00	42.89	0	02:48	0	1.95
-0.001							
J7	JUNCTION	0.00	570.39	0	03:03	0	16.7
0.059							
J70	JUNCTION	0.00	42.88	0	02:48	0	1.95
-0.003							
J71	JUNCTION	0.00	129.63	0	03:09	0	2.91
0.000							
J72	JUNCTION	0.00	17.84	0	03:02	0	0.029
0.483							
J74	JUNCTION	0.00	8.93	0	03:01	0	0.018
-0.068							
J75	JUNCTION	0.00	9.01	0	03:02	0	0.0162
-0.021							
J76	JUNCTION	0.00	8.64	0	03:02	0	0.016
0.061							
J77	JUNCTION	10.82	148.69	0	03:10	0.221	3.74
0.016							
J78	JUNCTION	0.00	49.41	0	03:06	0	2.94
-0.002							
J79	JUNCTION	46.06	50.26	0	02:47	0.928	2.94
-0.016							
J8	JUNCTION	0.00	568.56	0	03:12	0	16.7
-0.053							
J80	JUNCTION	0.00	49.30	0	03:09	0	2.94
-0.006							
J81	JUNCTION	0.00	165.60	0	03:09	0	2.25
-0.002							
J82	JUNCTION	0.00	180.02	0	03:09	0	2.58
-0.012							
J83	JUNCTION	25.30	25.30	0	03:09	0.52	0.52
0.005							
J84	JUNCTION	0.00	25.30	0	03:09	0	0.52
-0.005							
J85	JUNCTION	62.62	271.88	0	03:09	1.23	6.42
-0.042							
J86	JUNCTION	0.00	170.33	0	03:09	0	5.54
-0.000							
J87	JUNCTION	0.00	271.74	0	03:09	0	6.43
0.000							
J88	JUNCTION	0.00	271.75	0	03:09	0	6.43
-0.000							
J89	JUNCTION	0.00	271.77	0	03:09	0	6.5
0.018							

```
  J9                  JUNCTION      0.00   568.57     0  03:12           0
16.7       0.007
  J90                 JUNCTION      0.00   271.74     0  03:09           0
6.5      -3.930
  J91                 JUNCTION      0.00     9.59     0  03:01           0
0.02       0.691
  J92                 JUNCTION     33.16   304.04     0  03:09       0.677
7.53      -0.001
  J93                 JUNCTION      0.00   304.05     0  03:09           0
7.53      -0.001
  J94                 JUNCTION      0.00   304.06     0  03:09           0
7.53       0.002
  J95                 JUNCTION      0.00   304.06     0  03:09           0
7.53       0.001
  J96                 JUNCTION      0.00   304.07     0  03:09           0
7.53      -0.001
  J97                 JUNCTION      0.00   304.10     0  03:09           0
7.53       0.016
  J98                 JUNCTION     19.93   364.33     0  03:09       0.392
8.71      -0.017
  J99                 JUNCTION      0.00   363.88     0  03:09           0
8.71      -0.061
  OF1                 OUTFALL       0.00   916.71     0  03:21           0
32.1       0.000
  J73                 STORAGE     138.90   152.14     0  03:09        2.86
2.95       0.009
  SU1                 STORAGE      59.62   421.48     0  03:09         1.2
9.91       0.140
  SU2                 STORAGE       0.00     0.52     0  03:00           0
0.00258       0.021


  **********************
  Node Surcharge Summary
  **********************

  Surcharging occurs when water rises above the top of the highest conduit.
  -------------------------------------------------------------------------
                                          Max. Height   Min. Depth
                                Hours     Above Crown    Below Rim
  Node                Type    Surcharged      Feet          Feet
  -------------------------------------------------------------------------
  J101                JUNCTION      1.11       4.042        0.000
  J104                JUNCTION      0.52       1.721        0.000
  J105                JUNCTION      0.57       2.518        0.000
  J106                JUNCTION      0.53       2.176        0.000
  J108                JUNCTION      2.13      10.079        0.000
  J110                JUNCTION      1.43       3.375        0.000
  J111                JUNCTION      1.70       9.029        0.000
  J126                JUNCTION      0.24       0.865        3.805
  J130                JUNCTION      0.19       1.427        1.223
  J131                JUNCTION      0.15       0.829        0.571
  J132                JUNCTION      0.17       1.580        0.000
  J135                JUNCTION      0.32       6.453        2.057
  J136                JUNCTION      0.26       2.244        7.636
  J138                JUNCTION      0.31       1.962        8.658
  J140                JUNCTION      0.94       9.376        0.000
  J142                JUNCTION      0.48      15.617        0.000
```

J144	JUNCTION	1.06	3.202	0.000
J145	JUNCTION	1.03	2.326	0.000
J146	JUNCTION	1.03	2.323	0.000
J147	JUNCTION	0.55	15.821	0.000
J150	JUNCTION	0.42	15.070	0.000
J152	JUNCTION	0.98	1.736	0.000
J153	JUNCTION	1.07	2.649	0.000
J154	JUNCTION	0.31	0.353	2.307
J157	JUNCTION	0.06	0.000	0.000
J158	JUNCTION	0.23	0.030	0.000
J181	JUNCTION	0.31	1.018	2.322
J29	JUNCTION	0.96	2.775	0.000
J32	JUNCTION	0.11	0.086	0.000
J46	JUNCTION	0.41	8.120	0.000
J47	JUNCTION	0.38	6.514	0.000
J48	JUNCTION	0.40	4.394	0.000
J51	JUNCTION	0.09	1.500	0.000
J53	JUNCTION	0.57	9.480	0.000
J54	JUNCTION	0.60	25.386	0.000
J55	JUNCTION	0.68	28.986	0.000
J56	JUNCTION	0.89	22.714	0.000
J68	JUNCTION	0.93	3.548	0.472
J69	JUNCTION	0.94	3.751	0.000
J70	JUNCTION	1.05	5.790	0.000
J72	JUNCTION	0.35	17.142	0.000
J74	JUNCTION	0.44	21.391	0.000
J75	JUNCTION	0.42	20.656	0.000
J76	JUNCTION	0.40	19.992	0.000
J78	JUNCTION	1.16	7.348	0.000
J79	JUNCTION	1.06	5.738	0.000
J80	JUNCTION	1.47	5.793	0.000
J83	JUNCTION	0.12	0.461	0.969
J84	JUNCTION	0.60	1.242	1.788
J91	JUNCTION	0.54	23.688	0.000
J94	JUNCTION	0.09	0.053	0.000
J73	STORAGE	0.52	22.950	0.000

****
Node Flooding Summary
****

Flooding refers to all water that overflows a node, whether it ponds or not.

Node	Hours Flooded	Maximum Rate CFS	Time of Max Occurrence days hr:min	Total Flood Volume 10^6 gal	Maximum Ponded Depth Feet
J101	1.02	4.36	0 02:52	0.005	1.942
J104	0.01	1.79	0 02:59	0.000	0.021
J105	0.34	3.34	0 02:59	0.001	0.418
J106	0.52	17.66	0 02:59	0.002	1.162
J108	1.66	2.06	0 02:43	0.005	6.129
J110	1.23	4.23	0 02:47	0.002	0.875
J111	1.67	5.26	0 02:43	0.014	6.229
J140	0.92	7.79	0 02:54	0.031	7.246

J142	0.41	3.70	0	03:02	0.011	13.837
J144	1.01	3.23	0	02:47	0.004	1.722
J145	0.59	0.56	0	03:00	0.001	0.576
J146	0.72	2.14	0	02:53	0.002	1.143
J147	0.41	5.32	0	03:01	0.011	13.761
J150	0.41	11.13	0	03:02	0.026	13.570
J152	0.58	8.23	0	03:50	0.013	0.686
J153	0.98	31.25	0	03:49	0.065	1.035
J157	0.06	23.54	0	03:20	0.019	0.000
J158	0.23	19.27	0	03:20	0.028	0.030
J29	0.92	5.98	0	02:45	0.004	2.125
J32	0.11	7.15	0	03:06	0.009	0.086
J46	0.28	1.87	0	03:03	0.005	5.540
J47	0.28	1.72	0	03:03	0.005	4.674
J48	0.27	1.21	0	03:03	0.003	2.844
J51	0.01	1.99	0	03:08	0.000	0.000
J53	0.55	4.14	0	02:55	0.008	8.380
J54	0.60	5.47	0	03:00	0.026	24.886
J55	0.68	6.74	0	03:00	0.038	28.236
J56	0.88	5.18	0	03:03	0.045	21.764
J69	0.80	0.26	0	02:51	0.001	0.401
J70	1.05	14.34	0	02:48	0.009	5.320
J72	0.34	17.05	0	03:02	0.024	12.812
J74	0.42	8.93	0	03:01	0.018	20.441
J75	0.40	8.95	0	03:02	0.016	18.706
J76	0.40	8.60	0	03:02	0.016	17.892
J78	1.09	5.75	0	02:45	0.009	5.748
J79	1.04	2.82	0	02:47	0.006	4.788
J80	1.21	3.49	0	02:47	0.005	2.543
J91	0.47	9.59	0	03:01	0.019	21.758
J94	0.09	0.19	0	03:06	0.000	0.053
J73	0.09	43.14	0	03:09	0.044	20.000

****
Storage Volume Summary
****

Storage Unit	Average Volume 1000 ft3	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 ft3	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CFS
J73	0.994	16	0	0	6.100	100	0 03:01	137.88
SU1	102.828	10	0	0	312.199	30	0 03:19	299.62
SU2	0.017	2	0	0	0.343	38	0 03:07	0.54

****
Outfall Loading Summary

****

Outfall Node	Flow Freq Pcnt	Avg Flow CFS	Max Flow CFS	Total Volume 10^6 gal
OF1	94.86	180.87	916.71	32.081
System	94.86	180.87	916.71	32.081

****
Link Flow Summary
****

Link	Type	Maximum |Flow| CFS	Time of Max Occurrence days hr:min	Maximum |Veloc| ft/sec	Max/ Full Flow	Max/ Full Depth
5	CONDUIT	251.99	0 03:09	17.56	0.49	0.69
C1	CHANNEL	916.71	0 03:21	15.81	0.13	0.33
C10	CHANNEL	573.24	0 03:09	14.34	0.87	0.84
C100	CONDUIT	20.08	0 03:06	6.74	0.51	0.58
C101	CHANNEL	20.01	0 03:06	1.61	0.02	0.34
C102	CONDUIT	20.07	0 03:06	8.51	0.37	0.49
C103	CONDUIT	20.08	0 03:06	18.42	0.49	0.59
C104	CONDUIT	0.09	0 03:09	0.12	0.00	0.30
C105	CONDUIT	0.00	0 00:00	0.00	0.00	0.08
C106	CONDUIT	0.00	0 00:00	0.00	0.00	0.00
C107	CHANNEL	336.24	0 03:10	10.21	0.41	0.73
C108	CONDUIT	42.24	0 03:06	15.31	0.65	0.82
C109	CONDUIT	0.00	0 00:00	0.00	0.00	0.00
C110	CONDUIT	0.00	0 00:00	0.00	0.00	0.50
C111	CONDUIT	42.24	0 03:06	13.45	1.68	1.00
C112	CONDUIT	42.23	0 03:06	15.82	0.64	0.79
C113	CONDUIT	42.23	0 03:06	13.44	1.28	1.00
C114	CONDUIT	42.23	0 03:06	13.44	0.68	1.00
C115	CONDUIT	84.69	0 03:09	17.33	0.53	0.73
C116	CONDUIT	185.90	0 03:06	10.89	0.46	0.83
C116_2	CONDUIT	141.55	0 03:10	4.50	0.69	0.77
C117	CONDUIT	104.72	0 03:08	5.06	0.47	0.77
C118	CONDUIT	107.68	0 03:13	15.24	0.66	1.00
C119	CONDUIT	160.17	0 03:06	16.65	0.48	1.00
C12	CONDUIT	1004.75	0 03:12	0.79	0.73	1.00
C120	CONDUIT	160.17	0 03:06	16.65	1.11	1.00
C121	CHANNEL	8.91	0 03:06	4.01	0.17	0.67
C122	CONDUIT	174.22	0 03:09	13.48	0.74	0.92
C122_1	CONDUIT	160.17	0 03:06	15.06	0.86	1.00
C122_2	CONDUIT	160.20	0 03:06	15.06	0.86	1.00
C123	CONDUIT	70.02	0 02:55	14.48	0.84	1.00
C124	CONDUIT	68.73	0 03:12	14.00	2.25	1.00
C125	CONDUIT	45.08	0 03:40	10.33	0.74	1.00
C126	CONDUIT	11.55	0 03:25	6.54	0.75	1.00
C127	CONDUIT	8.09	0 03:25	10.31	0.97	1.00
C127_1	CONDUIT	112.51	0 03:08	22.92	2.04	1.00

C127_2	CONDUIT	138.55	0	03:10	28.22	1.26	1.00
C128	CONDUIT	14.42	0	03:09	6.58	1.60	1.00
C128_1	CONDUIT	56.66	0	03:08	5.68	0.29	0.66
C128_2	CONDUIT	147.45	0	03:06	5.20	0.23	0.67
C128_3	CONDUIT	49.27	0	03:09	10.04	2.26	1.00
C128_4	CONDUIT	35.09	0	03:56	13.54	1.26	0.80
C128_5	CONDUIT	38.92	0	02:46	10.88	0.33	1.00
C128_7	CONDUIT	35.15	0	02:49	17.07	0.37	0.70
C129	CONDUIT	104.91	0	03:10	5.73	0.35	0.76
C13	CONDUIT	591.71	0	03:09	17.64	1.02	1.00
C130	CONDUIT	0.00	0	00:00	0.00	0.00	0.07
C130_1	CONDUIT	60.04	0	03:06	2.50	0.57	1.00
C131	CONDUIT	38.73	0	03:08	21.91	1.55	1.00
C132	CONDUIT	50.50	0	03:09	9.33	0.30	0.52
C132_1	CONDUIT	38.71	0	03:09	12.82	0.47	0.60
C133	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C134	CONDUIT	12.98	0	03:08	9.18	0.65	0.89
C135	CONDUIT	31.45	0	03:10	4.26	0.39	0.60
C136	CONDUIT	44.15	0	03:10	5.46	0.12	0.38
C137	CONDUIT	3.97	0	02:47	4.88	0.29	1.00
C138	CONDUIT	67.75	0	03:08	9.17	0.29	0.69
C139	CONDUIT	49.20	0	03:06	10.02	1.13	1.00
C14	CHANNEL	594.32	0	03:09	22.29	0.75	0.67
C140	CONDUIT	85.35	0	03:08	11.68	0.39	0.59
C141	CONDUIT	58.53	0	03:08	4.23	3.42	0.50
C142	CONDUIT	94.43	0	03:09	10.92	0.50	0.68
C143	CONDUIT	58.04	0	03:08	3.79	2.60	0.97
C144	CONDUIT	49.43	0	03:07	10.07	0.41	1.00
C145	CONDUIT	3.04	0	02:42	9.60	6.38	1.00
C147	CONDUIT	50.10	0	03:07	6.70	0.95	1.00
C148	CONDUIT	154.65	0	03:10	19.59	0.60	0.74
C149	CONDUIT	138.41	0	03:10	26.22	0.32	0.50
C15	CHANNEL	530.41	0	03:09	11.81	0.51	1.00
C150	CONDUIT	218.61	0	03:08	11.84	11.51	1.00
C151	CONDUIT	50.97	0	03:07	4.67	0.12	0.30
C152	CONDUIT	10.89	0	02:48	14.19	1.20	1.00
C153	CONDUIT	53.83	0	03:13	7.18	1.08	1.00
C154	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C155	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C156	CONDUIT	187.16	0	03:09	17.04	0.55	0.70
C157	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C158	CONDUIT	49.20	0	03:06	12.33	1.08	0.76
C159	CONDUIT	153.18	0	03:09	5.22	0.07	0.72
C16	CHANNEL	568.40	0	03:09	9.51	0.45	0.93
C160	CONDUIT	49.09	0	03:16	12.58	0.37	0.41
C160_3	CONDUIT	179.97	0	03:09	9.80	0.13	0.51
C161	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C162	CONDUIT	0.00	0	00:00	0.00	0.00	0.37
C163	CONDUIT	32.74	0	03:09	5.42	0.39	0.57
C164	CONDUIT	75.14	0	03:07	3.92	5.42	1.00
C165	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C166	CONDUIT	34.01	0	03:52	7.24	0.04	0.27
C167	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C168	CONDUIT	102.30	0	03:09	3.87	0.88	0.65
C169	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C169_2	CONDUIT	212.52	0	03:09	13.52	0.03	0.13
C169_3	CONDUIT	0.00	0	00:00	0.00	0.00	0.00

C169_4	CONDUIT	0.00	0	00:00	0.00	0.00	0.06
C17	CHANNEL	607.29	0	03:09	10.15	0.64	0.89
C170	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C170_4	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C170_6	CONDUIT	0.00	0	00:00	0.00	0.00	0.45
C171	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C172	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C173	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C174	CONDUIT	14.31	0	03:09	11.28	0.09	0.24
C175	CONDUIT	52.32	0	03:07	3.16	0.06	0.35
C176	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C177	CONDUIT	208.31	0	03:21	20.79	0.27	0.46
C178	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C179	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C18	CONDUIT	428.18	0	03:09	13.59	1.63	1.00
C180	CONDUIT	0.00	0	00:00	0.00	0.00	0.45
C181	CONDUIT	55.87	0	03:09	9.11	1.10	0.81
C182	CONDUIT	0.54	0	03:10	1.54	0.38	1.00
C183	CONDUIT	0.54	0	03:10	0.44	0.04	1.00
C184	CONDUIT	1.37	0	03:14	0.93	0.06	0.98
C185	CONDUIT	0.00	0	00:00	0.00	0.00	0.08
C186	CONDUIT	0.06	0	03:12	0.06	0.00	0.61
C188	CONDUIT	9.59	0	03:01	7.82	0.93	1.00
C19	CHANNEL	730.46	0	03:08	5.52	0.36	0.83
C2	CHANNEL	568.17	0	03:13	14.03	0.30	0.55
C20	CHANNEL	566.12	0	03:08	6.87	0.14	0.59
C21	CHANNEL	538.79	0	03:09	8.05	0.29	0.69
C22	CHANNEL	529.78	0	03:10	8.59	0.45	0.87
C23	CHANNEL	529.76	0	03:10	12.22	0.34	0.71
C24	CONDUIT	66.04	0	03:06	22.77	0.68	1.00
C25	CONDUIT	80.26	0	02:52	16.35	1.01	1.00
C26	CHANNEL	164.73	0	03:06	3.40	0.36	1.00
C27	CONDUIT	69.82	0	02:45	14.22	1.30	1.00
C28	CONDUIT	80.21	0	02:50	16.34	1.04	1.00
C29	CONDUIT	189.60	0	03:10	21.05	0.96	0.93
C29_1	CONDUIT	90.66	0	02:56	19.85	1.08	1.00
C29_2	CONDUIT	168.35	0	03:10	17.50	0.82	1.00
C3	CHANNEL	568.56	0	03:12	8.74	0.23	0.73
C3_1	CONDUIT	568.17	0	03:12	13.44	0.52	0.77
C3_2	CONDUIT	568.18	0	03:12	18.89	0.40	0.46
C30	CHANNEL	329.90	0	03:12	11.19	0.49	0.58
C31	CHANNEL	327.99	0	03:10	5.78	0.09	0.58
C32	CONDUIT	336.26	0	03:10	10.35	0.68	0.81
C33	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C33_1	CONDUIT	55.85	0	03:09	13.98	0.93	0.76
C33_2	CONDUIT	55.86	0	03:09	10.61	0.41	0.70
C34	CONDUIT	55.86	0	03:09	8.52	2.14	0.88
C35	CONDUIT	55.87	0	03:09	11.13	0.59	0.67
C36	CONDUIT	82.36	0	03:06	16.59	0.61	0.67
C37	CONDUIT	0.00	0	00:00	0.00	0.00	0.44
C37_1	CONDUIT	82.16	0	03:06	12.08	0.55	0.92
C37_2	CONDUIT	82.16	0	03:06	12.20	1.01	0.91
C38	CONDUIT	85.25	0	03:09	12.06	1.54	1.00
C39	CONDUIT	84.77	0	03:09	17.27	1.18	1.00
C4	CONDUIT	570.39	0	03:03	7.91	0.47	0.80
C4_1	CHANNEL	568.56	0	03:12	28.88	0.74	0.57
C4_2	CHANNEL	568.57	0	03:12	16.69	0.18	0.40

C40	CONDUIT	84.69	0	03:09	19.88	1.26	0.81
C41	CONDUIT	110.05	0	03:09	18.84	0.75	0.97
C42	CONDUIT	110.05	0	03:09	16.66	0.76	1.00
C43	CONDUIT	38.90	0	03:07	22.01	1.90	1.00
C44	CONDUIT	25.23	0	03:27	14.08	0.44	1.00
C45	CONDUIT	49.04	0	03:06	15.61	1.17	1.00
C46	CONDUIT	141.79	0	03:10	18.21	0.61	1.00
C46_1	CONDUIT	14.87	0	03:10	3.88	0.36	0.80
C46_2	CHANNEL	2.16	0	03:10	3.48	0.04	0.60
C47	CONDUIT	46.32	0	03:10	17.56	2.02	0.70
C48	CONDUIT	34.39	0	03:13	15.70	0.96	1.00
C49	CONDUIT	18.83	0	02:39	10.66	1.08	1.00
C5	CHANNEL	568.57	0	03:12	7.06	0.11	0.81
C50	CONDUIT	24.91	0	03:00	14.67	1.04	1.00
C51	CHANNEL	109.81	0	03:08	6.47	0.53	0.93
C52	CONDUIT	71.27	0	03:08	10.54	1.21	0.92
C53	CONDUIT	42.87	0	02:48	8.73	0.33	1.00
C53_1	CHANNEL	129.80	0	03:08	7.67	0.36	0.79
C53_2	CHANNEL	129.65	0	03:09	8.51	0.81	1.00
C54	CONDUIT	42.89	0	02:48	6.80	0.91	1.00
C55	CONDUIT	42.88	0	02:48	8.74	0.64	1.00
C56	CONDUIT	35.20	0	03:09	17.49	1.47	0.66
C57	CONDUIT	17.84	0	03:02	3.76	0.25	1.00
C58	CONDUIT	8.93	0	03:01	7.28	0.64	1.00
C59	CONDUIT	9.01	0	03:02	7.34	0.56	1.00
C6	CHANNEL	318.00	0	03:18	13.88	0.32	0.77
C60	CONDUIT	8.64	0	03:02	7.04	0.52	1.00
C61	CONDUIT	37.75	0	02:47	7.69	1.05	1.00
C62	CONDUIT	49.41	0	03:06	12.18	0.70	1.00
C63	CONDUIT	49.30	0	03:09	10.04	1.05	1.00
C64	CONDUIT	12.43	0	03:09	5.68	0.51	1.00
C65	CONDUIT	25.30	0	03:09	12.07	0.74	1.00
C66	CONDUIT	25.31	0	03:09	12.69	0.62	1.00
C67	CHANNEL	170.33	0	03:09	10.31	0.69	0.65
C68	CHANNEL	169.50	0	03:09	12.94	0.31	0.50
C69	CHANNEL	271.75	0	03:09	14.95	0.30	0.55
C7	CHANNEL	283.63	0	03:09	8.44	0.13	0.71
C70	CHANNEL	271.77	0	03:09	9.71	0.25	0.78
C71	CHANNEL	256.36	0	03:09	9.03	0.35	1.00
C72	CONDUIT	10.08	0	03:52	8.22	0.64	1.00
C72_1	CONDUIT	145.99	0	03:00	15.17	0.73	1.00
C72_2	CONDUIT	145.67	0	03:00	15.14	0.79	1.00
C73	CONDUIT	4.93	0	02:59	5.67	0.52	1.00
C73_2	CONDUIT	148.73	0	03:28	15.90	0.97	1.00
C74	CHANNEL	304.05	0	03:09	17.20	0.85	0.96
C75	CHANNEL	304.06	0	03:09	14.60	0.74	0.97
C76	CHANNEL	304.06	0	03:09	14.37	0.92	1.00
C77	CONDUIT	117.07	0	02:56	11.71	2.19	1.00
C78	CHANNEL	304.10	0	03:09	14.17	0.75	0.98
C79	CONDUIT	176.75	0	03:09	23.83	0.93	0.72
C8	CONDUIT	496.18	0	03:09	11.03	2.11	1.00
C80	CHANNEL	299.62	0	03:19	15.63	0.39	0.58
C80_2	CHANNEL	178.25	0	03:10	8.59	0.12	0.41
C80_3	CONDUIT	129.62	0	03:09	15.46	0.06	0.23
C80_4	CONDUIT	178.59	0	03:09	11.74	0.08	0.38
C81	CONDUIT	363.58	0	03:09	13.48	0.28	0.62
C82	CONDUIT	3.26	0	03:06	7.81	0.75	0.56

C82_1	CONDUIT	103.76	0	03:48	10.78	0.57	1.00
C82_2	CONDUIT	106.73	0	03:38	11.09	0.79	1.00
C83	CONDUIT	6.27	0	03:31	4.85	0.42	1.00
C85	CONDUIT	78.65	0	03:08	13.48	0.37	0.55
C85_1	CONDUIT	132.14	0	03:09	7.13	0.04	0.15
C86	CONDUIT	91.10	0	03:06	12.63	0.33	0.68
C87	CONDUIT	2.06	0	02:43	1.68	0.34	1.00
C88	CONDUIT	282.24	0	03:09	13.44	1.07	1.00
C89	CONDUIT	0.61	0	03:54	2.62	1.96	1.00
C9	CHANNEL	588.90	0	03:07	14.49	0.32	0.83
C90	CONDUIT	2.76	0	03:32	2.80	0.20	1.00
C91	CONDUIT	138.55	0	03:10	9.04	0.60	0.92
C92	CHANNEL	8.46	0	03:07	3.14	0.19	0.83
C93	CONDUIT	8.18	0	03:07	3.74	0.19	1.00
C94	CONDUIT	250.42	0	03:09	10.09	0.05	0.20
C95	CONDUIT	31.15	0	03:06	17.63	1.03	1.00
C96	CONDUIT	30.11	0	02:46	17.33	0.80	1.00
C97	CHANNEL	0.00	0	00:00	0.00	0.00	0.27
C97_1	CHANNEL	81.99	0	03:07	2.25	0.10	0.42
C97_2	CHANNEL	193.96	0	03:09	4.71	0.24	0.46
C98	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C99	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C11	WEIR	708.38	0	03:21			1.00
C84	WEIR	3.26	0	03:06			0.08

****
Flow Classification Summary
****

Inlet Conduit	Adjusted /Actual Length	Fraction of Time in Flow Class: Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Ctrl
5	1.00	0.88	0.00	0.00	0.00	0.03	0.00	0.09	0.02	0.00
C1	1.00	0.04	0.00	0.00	0.01	0.94	0.00	0.00	0.46	0.00
C10	1.00	0.01	0.00	0.00	0.16	0.83	0.00	0.00	0.11	0.00
C100	1.00	0.01	0.00	0.00	0.96	0.03	0.00	0.00	0.00	0.00
C101	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.94	0.00
C102	1.00	0.01	0.00	0.00	0.00	0.76	0.00	0.23	0.28	0.00
C103	1.00	0.01	0.00	0.00	0.00	0.29	0.00	0.70	0.15	0.00
C104	1.00	0.83	0.05	0.00	0.12	0.00	0.00	0.00	0.72	0.00
C105	1.00	0.96	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C106	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C107	1.00	0.00	0.00	0.00	0.65	0.34	0.00	0.00	0.95
0.00									
C108	1.00	0.01	0.00	0.00	0.00	0.72	0.00	0.28	0.39
0.00									
C109	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C110	1.00	0.30	0.70	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C111	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
C112	1.00	0.01	0.00	0.00	0.00	0.71	0.00	0.28	0.40
0.00									
C113	1.00	0.01	0.00	0.00	0.02	0.01	0.00	0.96	0.00
0.00									
C114	1.00	0.01	0.18	0.00	0.17	0.64	0.00	0.00	0.88
0.00									
C115	1.00	0.03	0.00	0.00	0.18	0.79	0.00	0.00	0.90
0.00									
C116	1.00	0.86	0.00	0.00	0.00	0.13	0.00	0.02	0.04
0.00									
C116_2	1.00	0.85	0.00	0.00	0.00	0.00	0.00	0.15	0.00
0.00									
C117	1.00	0.83	0.01	0.00	0.00	0.00	0.17	0.00	0.00
0.00									
C118	1.00	0.03	0.00	0.00	0.20	0.77	0.00	0.00	0.51
0.00									
C119	1.00	0.03	0.17	0.00	0.04	0.76	0.00	0.00	0.68
0.00									
C12	1.00	0.01	0.02	0.00	0.96	0.00	0.00	0.00	0.00
0.00									
C120	1.00	0.03	0.00	0.00	0.04	0.00	0.00	0.93	0.00
0.00									
C121	1.00	0.25	0.63	0.00	0.01	0.11	0.00	0.00	0.74
0.00									
C122	1.00	0.03	0.12	0.00	0.15	0.70	0.00	0.00	0.88
0.00									
C122_1	1.00	0.20	0.00	0.00	0.06	0.74	0.00	0.00	0.51
0.00									
C122_2	1.00	0.15	0.05	0.00	0.05	0.75	0.00	0.00	0.45
0.00									
C123	1.00	0.03	0.00	0.00	0.10	0.18	0.00	0.69	0.06
0.00									
C124	1.00	0.03	0.00	0.00	0.14	0.00	0.00	0.82	0.00
0.00									
C125	1.00	0.04	0.00	0.00	0.15	0.01	0.00	0.81	0.00
0.00									
C126	1.00	0.04	0.23	0.00	0.73	0.00	0.00	0.00	0.49
0.00									
C127	1.00	0.04	0.77	0.00	0.19	0.00	0.00	0.00	0.69
0.00									
C127_1	1.00	0.04	0.00	0.00	0.14	0.82	0.00	0.00	0.02
0.00									
C127_2	1.00	0.04	0.00	0.00	0.05	0.91	0.00	0.00	0.00
0.00									
C128	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.04
0.00									
C128_1	1.00	0.33	0.53	0.00	0.03	0.06	0.00	0.05	0.74
0.00									

C128_2	1.00	0.32	0.00	0.00	0.17	0.00	0.00	0.51	0.09
0.00									
C128_3	1.00	0.04	0.00	0.00	0.41	0.56	0.00	0.00	0.00
0.00									
C128_4	1.00	0.04	0.00	0.00	0.01	0.95	0.00	0.00	0.00
0.00									
C128_5	1.00	0.04	0.00	0.00	0.32	0.64	0.00	0.00	0.77
0.00									
C128_7	1.00	0.03	0.01	0.00	0.01	0.95	0.00	0.00	0.07
0.00									
C129	1.00	0.86	0.05	0.00	0.05	0.03	0.00	0.00	0.75
0.00									
C13	1.00	0.01	0.00	0.00	0.22	0.76	0.00	0.00	0.57
0.00									
C130	1.00	0.74	0.26	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C130_1	1.00	0.81	0.02	0.00	0.17	0.00	0.00	0.00	0.68
0.00									
C131	1.00	0.28	0.00	0.00	0.72	0.00	0.00	0.00	0.71
0.00									
C132	1.00	0.88	0.04	0.00	0.01	0.07	0.00	0.00	0.75
0.00									
C132_1	1.00	0.92	0.00	0.00	0.00	0.00	0.00	0.08	0.00
0.00									
C133	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C134	1.00	0.80	0.07	0.00	0.05	0.08	0.00	0.00	0.75
0.00									
C135	1.00	0.15	0.00	0.00	0.01	0.00	0.00	0.84	0.00
0.00									
C136	1.00	0.15	0.00	0.00	0.00	0.06	0.00	0.79	0.03
0.00									
C137	1.00	0.25	0.01	0.00	0.17	0.00	0.00	0.57	0.00
0.00									
C138	1.00	0.83	0.04	0.00	0.06	0.07	0.00	0.00	0.77
0.00									
C139	1.00	0.05	0.00	0.00	0.23	0.72	0.00	0.00	0.45
0.00									
C14	1.00	0.01	0.00	0.00	0.36	0.63	0.00	0.00	0.72
0.00									
C140	1.00	0.85	0.00	0.00	0.00	0.00	0.00	0.15	0.00
0.00									
C141	1.00	0.93	0.00	0.00	0.00	0.00	0.00	0.07	0.00
0.00									
C142	1.00	0.87	0.00	0.00	0.00	0.00	0.00	0.13	0.00
0.00									
C143	1.00	0.84	0.00	0.00	0.02	0.00	0.00	0.14	0.00
0.00									
C144	1.00	0.05	0.00	0.00	0.11	0.84	0.00	0.00	0.52
0.00									
C145	1.00	0.05	0.00	0.00	0.25	0.71	0.00	0.00	0.00
0.00									
C147	1.00	0.05	0.00	0.00	0.46	0.49	0.00	0.00	0.36
0.00									
C148	1.00	0.94	0.00	0.00	0.00	0.00	0.00	0.06	0.00
0.00									
C149	1.00	0.94	0.00	0.00	0.00	0.00	0.00	0.06	0.00
0.00									
C15	1.00	0.02	0.00	0.00	0.13	0.85	0.00	0.00	0.16
0.00									

C150	1.00	0.93	0.00	0.00	0.00	0.00	0.00	0.07	0.00
0.00									
C151	1.00	0.97	0.00	0.00	0.00	0.00	0.00	0.03	0.00
0.00									
C152	1.00	0.03	0.00	0.00	0.24	0.73	0.00	0.00	0.00
0.00									
C153	1.00	0.04	0.00	0.00	0.96	0.01	0.00	0.00	0.87
0.00									
C154	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C155	1.00	0.03	0.97	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C156	1.00	0.90	0.00	0.00	0.00	0.00	0.00	0.10	0.00
0.00									
C157	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C158	1.00	0.05	0.00	0.00	0.05	0.90	0.00	0.00	0.00
0.00									
C159	1.00	0.04	0.82	0.00	0.12	0.02	0.00	0.00	0.73
0.00									
C16	1.00	0.02	0.00	0.00	0.11	0.88	0.00	0.00	0.00
0.00									
C160	1.00	0.03	0.03	0.00	0.05	0.89	0.00	0.00	0.02
0.00									
C160_3	1.00	0.83	0.00	0.00	0.00	0.09	0.00	0.08	0.05
0.00									
C161	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C162	1.00	0.22	0.78	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C163	1.00	0.92	0.01	0.00	0.01	0.00	0.00	0.06	0.72
0.00									
C164	1.00	0.42	0.00	0.00	0.05	0.00	0.00	0.54	0.00
0.00									
C165	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C166	1.00	0.86	0.11	0.00	0.02	0.00	0.00	0.00	0.07
0.00									
C167	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C168	1.00	0.90	0.00	0.00	0.00	0.00	0.00	0.10	0.00
0.00									
C169	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C169_2	1.00	0.84	0.00	0.00	0.00	0.00	0.00	0.16	0.00
0.00									
C169_3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C169_4	1.00	0.84	0.16	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C17	1.00	0.01	0.00	0.00	0.23	0.75	0.00	0.00	0.77
0.00									
C170	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C170_4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C170_6	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C171	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

C172	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C173	1.00	0.02	0.98	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C174	1.00	0.97	0.00	0.00	0.00	0.00	0.00	0.03	0.00
0.00									
C175	1.00	0.96	0.01	0.00	0.01	0.00	0.03	0.00	0.00
0.00									
C176	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C177	1.00	0.88	0.00	0.00	0.00	0.00	0.00	0.12	0.00
0.00									
C178	1.00	0.03	0.97	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C179	1.00	0.03	0.97	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C18	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00
0.82									
C180	1.00	0.88	0.12	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C181	1.00	0.02	0.01	0.00	0.00	0.00	0.00	0.97	0.00
0.00									
C182	1.00	0.24	0.02	0.00	0.13	0.00	0.00	0.61	0.01
0.00									
C183	1.00	0.06	0.16	0.00	0.54	0.00	0.00	0.24	0.18
0.00									
C184	1.00	0.01	0.89	0.00	0.10	0.00	0.00	0.00	0.72
0.00									
C185	1.00	0.96	0.04	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C186	1.00	0.01	0.74	0.00	0.25	0.00	0.00	0.00	0.71
0.00									
C188	1.00	0.24	0.58	0.00	0.17	0.00	0.01	0.00	0.70
0.00									
C19	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00
0.00									
C2	1.00	0.01	0.05	0.00	0.31	0.62	0.00	0.00	0.42
0.00									
C20	1.00	0.01	0.00	0.00	0.97	0.02	0.00	0.00	0.60
0.00									
C21	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.73
0.00									
C22	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.90
0.00									
C23	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.02
0.00									
C24	1.00	0.01	0.00	0.00	0.08	0.11	0.00	0.80	0.01
0.00									
C25	1.00	0.01	0.09	0.00	0.23	0.67	0.00	0.00	0.50
0.00									
C26	1.00	0.01	0.00	0.00	0.84	0.00	0.00	0.15	0.40
0.00									
C27	1.00	0.01	0.00	0.00	0.33	0.05	0.00	0.61	0.00
0.45									
C28	1.00	0.01	0.00	0.00	0.14	0.02	0.00	0.83	0.00
0.00									
C29	1.00	0.00	0.00	0.00	0.16	0.84	0.00	0.00	0.50
0.00									
C29_1	1.00	0.01	0.00	0.00	0.10	0.89	0.00	0.00	0.14
0.00									

C29_2	1.00	0.01	0.00	0.00	0.07	0.65	0.00	0.26	0.30
0.00									
C3	1.00	0.06	0.00	0.00	0.62	0.32	0.00	0.00	0.48
0.00									
C3_1	1.00	0.06	0.00	0.00	0.88	0.06	0.00	0.00	0.00
0.88									
C3_2	1.00	0.06	0.00	0.00	0.22	0.72	0.00	0.00	0.51
0.00									
C30	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.01
0.00									
C31	1.00	0.00	0.00	0.00	0.89	0.11	0.00	0.00	0.54
0.00									
C32	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.00
0.97									
C33	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C33_1	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00
0.00									
C33_2	1.00	0.02	0.18	0.00	0.04	0.74	0.00	0.01	0.91
0.00									
C34	1.00	0.03	0.00	0.00	0.21	0.00	0.00	0.76	0.45
0.00									
C35	1.00	0.03	0.00	0.00	0.00	0.68	0.00	0.29	0.35
0.00									
C36	1.00	0.01	0.00	0.00	0.00	0.01	0.00	0.98	0.00
0.00									
C37	1.00	0.94	0.06	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C37_1	1.00	0.01	0.00	0.00	0.16	0.84	0.00	0.00	0.15
0.00									
C37_2	1.00	0.01	0.12	0.00	0.63	0.25	0.00	0.00	0.76
0.00									
C38	1.00	0.03	0.00	0.00	0.30	0.67	0.00	0.00	0.45
0.00									
C39	1.00	0.03	0.00	0.00	0.26	0.72	0.00	0.00	0.47
0.00									
C4	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.00
0.00									
C4_1	1.00	0.06	0.00	0.00	0.00	0.94	0.00	0.00	0.17
0.00									
C4_2	1.00	0.06	0.00	0.00	0.00	0.94	0.00	0.00	0.53
0.00									
C40	1.00	0.03	0.00	0.00	0.17	0.80	0.00	0.00	0.00
0.00									
C41	1.00	0.03	0.00	0.00	0.00	0.12	0.00	0.85	0.00
0.00									
C42	1.00	0.03	0.00	0.00	0.02	0.18	0.00	0.78	0.00
0.00									
C43	1.00	0.29	0.59	0.00	0.12	0.00	0.00	0.00	0.71
0.00									
C44	1.00	0.04	0.00	0.00	0.10	0.05	0.00	0.81	0.00
0.00									
C45	1.00	0.01	0.00	0.00	0.11	0.05	0.00	0.83	0.01
0.00									
C46	1.00	0.03	0.00	0.00	0.20	0.77	0.00	0.00	0.44
0.00									
C46_1	1.00	0.02	0.13	0.00	0.85	0.00	0.00	0.00	0.91
0.00									
C46_2	1.00	0.23	0.00	0.00	0.04	0.02	0.00	0.71	0.03
0.00									

C47	1.00	0.01	0.00	0.00	0.19	0.79	0.00	0.00	0.46
0.00									
C48	1.00	0.04	0.00	0.00	0.11	0.12	0.00	0.74	0.00
0.00									
C49	1.00	0.01	0.00	0.00	0.20	0.39	0.00	0.39	0.00
0.00									
C5	1.00	0.05	0.00	0.00	0.94	0.01	0.00	0.00	0.82
0.00									
C50	1.00	0.01	0.11	0.00	0.11	0.76	0.00	0.00	0.51
0.00									
C51	1.00	0.02	0.00	0.00	0.83	0.16	0.00	0.00	0.45
0.00									
C52	1.00	0.02	0.08	0.00	0.85	0.05	0.00	0.00	0.00
0.90									
C53	1.00	0.02	0.00	0.00	0.15	0.05	0.00	0.77	0.00
0.86									
C53_1	1.00	0.02	0.00	0.00	0.11	0.87	0.00	0.00	0.44
0.00									
C53_2	1.00	0.02	0.00	0.00	0.81	0.17	0.00	0.00	0.39
0.00									
C54	1.00	0.02	0.03	0.00	0.36	0.59	0.00	0.00	0.50
0.00									
C55	1.00	0.02	0.00	0.00	0.16	0.56	0.00	0.26	0.32
0.00									
C56	1.00	0.02	0.00	0.00	0.11	0.87	0.00	0.00	0.09
0.00									
C57	1.00	0.28	0.54	0.00	0.19	0.00	0.00	0.00	0.71
0.00									
C58	1.00	0.27	0.02	0.00	0.09	0.00	0.00	0.62	0.01
0.00									
C59	1.00	0.27	0.02	0.00	0.08	0.00	0.00	0.63	0.01
0.00									
C6	1.00	0.05	0.02	0.00	0.14	0.79	0.00	0.00	0.26
0.00									
C60	1.00	0.28	0.02	0.00	0.08	0.00	0.00	0.63	0.01
0.00									
C61	1.00	0.04	0.00	0.00	0.16	0.00	0.00	0.80	0.00
0.35									
C62	1.00	0.03	0.00	0.00	0.17	0.42	0.00	0.38	0.00
0.00									
C63	1.00	0.03	0.00	0.00	0.23	0.49	0.00	0.25	0.24
0.00									
C64	1.00	0.04	0.18	0.00	0.32	0.44	0.00	0.02	0.75
0.00									
C65	1.00	0.03	0.00	0.00	0.11	0.08	0.00	0.78	0.05
0.00									
C66	1.00	0.04	0.00	0.00	0.22	0.01	0.00	0.74	0.02
0.00									
C67	1.00	0.03	0.00	0.00	0.28	0.69	0.00	0.00	0.55
0.00									
C68	1.00	0.04	0.00	0.00	0.28	0.68	0.00	0.00	0.62
0.00									
C69	1.00	0.04	0.00	0.00	0.00	0.96	0.00	0.00	0.62
0.00									
C7	1.00	0.04	0.00	0.00	0.43	0.53	0.00	0.00	0.85
0.00									
C70	1.00	0.04	0.00	0.00	0.16	0.80	0.00	0.00	0.30
0.00									
C71	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.75
0.00									

C72	1.00	0.68	0.12	0.00	0.20	0.00	0.00	0.00	0.68
0.00									
C72_1	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.00
0.80									
C72_2	1.00	0.03	0.01	0.00	0.77	0.19	0.00	0.00	0.00
0.84									
C73	1.00	0.03	0.00	0.00	0.13	0.02	0.00	0.82	0.01
0.00									
C73_2	1.00	0.01	0.02	0.00	0.10	0.87	0.00	0.00	0.02
0.00									
C74	1.00	0.01	0.00	0.00	0.20	0.79	0.00	0.00	0.55
0.00									
C75	1.00	0.01	0.00	0.00	0.48	0.51	0.00	0.00	0.62
0.00									
C76	1.00	0.02	0.00	0.00	0.67	0.31	0.00	0.00	0.03
0.00									
C77	1.00	0.02	0.00	0.00	0.92	0.06	0.00	0.00	0.00
0.46									
C78	1.00	0.02	0.00	0.00	0.83	0.15	0.00	0.00	0.85
0.00									
C79	1.00	0.02	0.00	0.00	0.00	0.98	0.00	0.00	0.00
0.00									
C8	1.00	0.01	0.01	0.00	0.98	0.00	0.00	0.00	0.00
0.40									
C80	1.00	0.03	0.00	0.00	0.07	0.89	0.00	0.00	0.06
0.00									
C80_2	1.00	0.02	0.00	0.00	0.01	0.96	0.00	0.00	0.33
0.00									
C80_3	1.00	0.02	0.03	0.00	0.18	0.77	0.00	0.00	0.88
0.00									
C80_4	1.00	0.02	0.00	0.00	0.49	0.49	0.00	0.00	0.91
0.00									
C81	1.00	0.02	0.00	0.00	0.58	0.40	0.00	0.00	0.80
0.00									
C82	1.00	0.03	0.00	0.00	0.20	0.78	0.00	0.00	0.00
0.00									
C82_1	1.00	0.02	0.00	0.00	0.82	0.16	0.00	0.00	0.00
0.83									
C82_2	1.00	0.02	0.00	0.00	0.67	0.31	0.00	0.00	0.04
0.00									
C83	1.00	0.03	0.19	0.00	0.76	0.02	0.00	0.00	0.82
0.00									
C85	1.00	0.87	0.00	0.00	0.00	0.00	0.00	0.12	0.70
0.00									
C85_1	1.00	0.86	0.00	0.00	0.00	0.00	0.00	0.14	0.00
0.00									
C86	1.00	0.33	0.60	0.00	0.01	0.06	0.00	0.00	0.76
0.00									
C87	1.00	0.04	0.19	0.00	0.78	0.00	0.00	0.00	0.47
0.00									
C88	1.00	0.86	0.00	0.00	0.00	0.00	0.00	0.14	0.00
0.00									
C89	1.00	0.26	0.00	0.00	0.74	0.00	0.00	0.00	0.00
0.00									
C9	1.00	0.01	0.00	0.00	0.18	0.81	0.00	0.00	0.60
0.00									
C90	1.00	0.24	0.02	0.00	0.20	0.00	0.00	0.53	0.02
0.00									
C91	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.87
0.00									

C92	1.00	0.25	0.00	0.00	0.07	0.01	0.00	0.67	0.04
0.00									
C93	1.00	0.04	0.21	0.00	0.76	0.00	0.00	0.00	0.86
0.00									
C94	1.00	0.87	0.00	0.00	0.00	0.08	0.00	0.05	0.04
0.00									
C95	1.00	0.01	0.00	0.00	0.25	0.74	0.00	0.00	0.43
0.00									
C96	1.00	0.01	0.00	0.00	0.13	0.54	0.00	0.32	0.24
0.00									
C97	1.00	0.01	0.99	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C97_1	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.94
0.00									
C97_2	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.03
0.00									
C98	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C99	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

****
Conduit Surcharge Summary
****

Conduit	Hours Full: Both Ends	Hours Full: Upstream	Hours Full: Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
C108	0.01	0.01	0.24	0.01	0.01
C111	0.17	0.26	0.17	0.32	0.17
C112	0.01	0.01	0.19	0.01	0.01
C113	0.19	0.19	0.20	0.19	0.18
C114	0.16	0.16	0.71	0.01	0.01
C116	0.01	0.01	0.11	0.01	0.01
C118	0.19	0.19	0.19	0.01	0.17
C119	0.24	0.24	0.32	0.01	0.01
C12	0.66	0.66	0.67	0.01	0.01
C120	0.26	0.32	0.26	0.23	0.26
C122	0.01	0.01	0.61	0.01	0.01
C122_1	0.30	0.30	0.31	0.01	0.28
C122_2	0.20	0.31	0.20	0.01	0.20
C123	0.65	0.65	0.94	0.01	0.01
C124	0.95	1.08	0.95	1.07	0.95
C125	0.95	0.95	0.96	0.01	0.12
C126	0.55	0.55	0.65	0.01	0.01
C127	0.48	0.48	0.97	0.01	0.01
C127_1	0.42	0.56	0.42	0.59	0.42
C127_2	0.34	0.42	0.34	0.34	0.34
C128	1.51	1.51	1.51	0.90	0.01
C128_3	1.43	1.48	1.43	1.85	1.43
C128_4	0.01	1.73	0.01	1.68	0.01
C128_5	1.43	1.43	1.70	0.01	0.01
C129	0.01	0.01	0.11	0.01	0.01
C13	0.13	0.13	0.20	0.06	0.06
C130_1	0.91	0.91	1.12	0.01	0.01

C131	0.53	0.53	0.57	0.26	0.01
C134	0.01	0.01	9.23	0.01	0.01
C137	1.06	1.06	1.11	0.01	0.01
C139	0.31	0.36	0.31	0.33	0.31
C141	0.01	0.01	0.01	0.34	0.01
C143	0.01	0.01	0.01	0.41	0.01
C144	0.32	0.32	0.36	0.01	0.01
C145	1.25	4.60	1.25	4.90	1.16
C147	0.31	0.31	0.32	0.01	0.01
C15	0.29	0.29	0.45	0.01	0.01
C150	0.01	0.13	0.01	0.36	0.01
C152	0.83	1.47	0.83	0.93	0.61
C153	0.28	0.28	0.82	0.25	0.25
C158	0.01	0.31	0.01	0.31	0.01
C159	0.01	0.01	9.20	0.01	0.01
C164	0.06	0.21	0.09	0.77	0.05
C17	0.01	0.01	0.01	0.01	0.01
C18	0.13	0.59	0.13	0.45	0.13
C181	0.01	0.01	0.01	0.12	0.01
C182	0.35	0.35	0.48	0.01	0.01
C183	0.31	0.31	0.46	0.01	0.01
C184	0.01	0.01	8.96	0.01	0.01
C186	0.01	0.01	9.13	0.01	0.01
C188	0.54	0.54	0.85	0.01	0.01
C22	0.01	0.01	0.01	0.01	0.01
C24	0.53	0.53	0.99	0.01	0.01
C25	1.02	1.02	1.19	0.25	0.97
C26	1.02	1.02	1.54	0.01	0.01
C27	1.18	2.74	1.18	0.28	1.18
C28	0.93	1.20	0.93	0.01	0.14
C29	0.01	0.70	0.01	0.01	0.01
C29_1	0.55	0.93	0.55	0.32	0.13
C29_2	0.49	0.49	0.69	0.01	0.01
C3	0.01	0.01	0.64	0.01	0.01
C3_1	0.01	0.57	0.01	0.01	0.01
C32	0.01	0.32	0.01	0.01	0.01
C34	0.01	0.01	0.01	0.45	0.01
C37_2	0.01	0.01	0.01	0.03	0.01
C38	0.38	0.41	0.38	0.30	0.38
C39	0.40	0.42	0.40	0.17	0.40
C40	0.01	0.40	0.01	0.21	0.01
C41	0.01	0.01	0.09	0.01	0.01
C42	0.09	0.09	0.19	0.01	0.01
C43	0.57	0.57	0.61	0.31	0.01
C44	0.60	0.60	0.68	0.01	0.01
C45	0.69	0.69	0.89	0.22	0.27
C46	0.17	0.17	0.24	0.01	0.01
C46_1	0.01	0.01	11.07	0.01	0.01
C47	0.01	0.91	0.01	0.84	0.01
C48	0.71	0.71	0.93	0.01	0.61
C49	1.29	1.38	1.29	0.11	0.28
C5	0.01	0.01	0.45	0.01	0.01
C50	0.29	1.29	0.29	0.42	0.29
C51	0.01	0.01	1.11	0.01	0.01
C52	0.01	0.83	0.01	0.48	0.01
C53	0.92	0.99	0.93	0.01	0.01
C53_2	0.24	0.24	0.96	0.01	0.01

C54	0.95	0.95	0.96	0.01	0.58
C55	0.94	0.94	1.05	0.01	0.01
C56	0.01	1.09	0.01	1.05	0.01
C57	0.35	0.35	0.48	0.01	0.01
C58	0.44	0.44	0.52	0.01	0.01
C59	0.42	0.42	0.50	0.01	0.01
C6	0.01	0.01	0.40	0.01	0.01
C60	0.40	0.40	0.48	0.01	0.01
C61	1.06	1.34	1.06	0.16	0.31
C62	1.06	1.06	1.16	0.01	0.01
C63	1.18	1.18	1.47	0.45	0.88
C64	1.42	1.42	1.51	0.01	0.01
C65	0.12	0.12	0.60	0.01	0.01
C66	0.67	0.67	1.38	0.01	0.01
C7	0.01	0.01	0.40	0.01	0.01
C70	0.01	0.01	0.93	0.01	0.01
C71	0.01	0.01	0.96	0.01	0.01
C72	0.97	0.98	1.07	0.01	0.01
C72_1	1.05	1.10	1.07	0.01	0.61
C72_2	0.53	1.07	0.53	0.01	0.37
C73	0.53	0.53	0.57	0.01	0.01
C73_2	0.34	0.53	0.34	0.01	0.34
C75	0.01	0.01	0.21	0.01	0.01
C76	0.09	0.09	0.33	0.01	0.01
C77	0.58	1.77	0.58	1.19	0.58
C78	0.01	0.01	1.11	0.01	0.01
C79	0.01	1.12	0.01	0.01	0.01
C8	0.12	0.47	0.12	0.52	0.12
C82	0.01	0.70	0.01	0.01	0.01
C82_1	1.12	1.18	1.12	0.01	0.01
C82_2	1.12	1.12	1.12	0.01	1.11
C83	0.63	0.63	3.72	0.01	0.01
C87	2.13	2.13	2.80	0.01	0.01
C88	0.01	0.11	0.01	0.11	0.01
C89	1.03	1.03	1.03	0.05	0.30
C90	1.03	1.03	1.12	0.01	0.01
C91	0.01	0.01	1.04	0.01	0.01
C92	0.01	0.01	0.01	0.01	0.01
C93	0.62	0.62	0.71	0.01	0.01
C95	0.86	0.94	0.86	0.84	0.86
C96	0.86	0.86	1.33	0.01	0.01

Analysis begun on: Wed Aug 31 13:30:46 2022
Analysis ended on: Wed Aug 31 13:30:52 2022
Total elapsed time: 00:00:06

ALTERNATIVE RUNOFF METHOD (ARM) - PCSWMM VERSION 7.4.3240

This is a new version of ARM - your feedback and suggestions are solicited.
Create a ticket, post on the PCSWMM feature request forum, or email us directly!

Simulation start time:	11/01/2021 00:00:00
Simulation end time:	11/01/2021 12:00:00
Runoff wet weather time steps:	60 seconds
Report time steps:	180 seconds
Number of data points:	241

Unit Hydrographs Runoff Method

Subcatchment	Runoff Method	Time after Peak (min)	Peak UH Flow (CFS/in)	Raingage (in)	Area UH (ac)	Time of Concentration (min)	Time to Peak (min)	Depth
Basin1West	Dimensionless UH (483.4)	26.66	59.46517	2YR_6HR_SCS_Type_III_2.86	8.529	10	6.5	0.995
Basin2West	Dimensionless UH (483.4)	21.33	255.37543	2YR_6HR_SCS_Type_III_2.86	29.866	8	5.3	0.991
Basin3West	Dimensionless UH (483.4)	31.99	72.9573	2YR_6HR_SCS_Type_III_2.86	12.396	12	7.7	0.997
Basin4West	Dimensionless UH (483.4)	18.66	53.3797	2YR_6HR_SCS_Type_III_2.86	5.536	7	4.7	0.991
Basin7East	Dimensionless UH (483.4)	23.99	182.32732	2YR_6HR_SCS_Type_III_2.86	23.737	9	5.9	0.993
Basin10East	Dimensionless UH (483.4)	21.33	76.1355	2YR_6HR_SCS_Type_III_2.86	8.904	8	5.3	0.991
Basin5Central	Dimensionless UH (483.4)	23.99	197.04439	2YR_6HR_SCS_Type_III_2.86	25.653	9	5.9	0.993
Basin6East	Dimensionless UH (483.4)	23.99	114.31079	2YR_6HR_SCS_Type_III_2.86	14.882	9	5.9	0.993
Basin6Central	Dimensionless UH (483.4)	21.33	38.03355	2YR_6HR_SCS_Type_III_2.86	4.448	8	5.3	0.991
Basin3Central	Dimensionless UH (483.4)	13.33	72.43231	2YR_6HR_SCS_Type_III_2.86	5.594	5	3.5	0.994
Basin2Central	Dimensionless UH (483.4)	8	121.61188	2YR_6HR_SCS_Type_III_2.86	6.172	3	2.3	0.992
Basin1Central	Dimensionless UH (483.4)	21.33	121.54831	2YR_6HR_SCS_Type_III_2.86	14.215	8	5.3	0.991
Basin4Central	Dimensionless UH (483.4)	31.99	83.99271	2YR_6HR_SCS_Type_III_2.86	14.271	12	7.7	0.997
Basin4East	Dimensionless UH (483.4)	26.66	53.78987	2YR_6HR_SCS_Type_III_2.86	7.715	10	6.5	0.995
Basin9East	Dimensionless UH (483.4)	18.66	41.01829	2YR_6HR_SCS_Type_III_2.86	4.254	7	4.7	0.991
Basin5East	Dimensionless UH (483.4)	13.33	31.95619	2YR_6HR_SCS_Type_III_2.86	2.468	5	3.5	0.994
Basin8East	Dimensionless UH (483.4)	18.66	128.8981	2YR_6HR_SCS_Type_III_2.86	13.368	7	4.7	0.991

Basin3East	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		10.054
8	5.3	21.33	85.96881	0.991	
Basin3.1East	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		5.642
9	5.9	23.99	43.33701	0.993	
Basin2East	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		7.984
8	5.3	21.33	68.26885	0.991	
Basin1East	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		32.052
10	6.5	26.66	223.47024	0.995	
Basin1.1West	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		18.843
11.5	7.4	30.66	115.39746	0.995	
Basin1.2West	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		5.956
10	6.5	26.66	41.52592	0.995	
Basin2.1West	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		7.295
10	6.5	26.66	50.86158	0.995	
Basin3.4West	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		11.605
10	6.5	26.66	80.9114	0.995	
Basin3.3West	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		5.053
6	4.1	16	55.8526	0.993	
Basin3.5West	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		12.351
13	8.3	34.66	67.43758	0.999	
Basin3.2West	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		3.736
8	5.3	21.33	31.94544	0.991	
Basin3.1West	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		1.463
3	2.3	8	28.82667	0.992	
Basin5West	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		2.28
4	2.9	10.66	35.62991	0.991	
Basin6West	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		8.24
9	5.9	23.99	63.29263	0.993	
Basin3.2East	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		2.469
9	5.9	23.99	18.96474	0.993	
Basin1.1Central	Dimensionless UH (483.4)		2YR_6HR_SCS_Type_III_2.86in		6.376
7	4.7	18.66	61.47922	0.991	

****
ARM Runoff Summary
****

Subcatchment	Total Precip (in)	Total Losses (in)	Total Runoff (in)	Total Runoff 10^6 gal	Peak Runoff CFS	Runoff Coeff (fraction)
Basin1West	2.86	1.118	1.742	0.404	19.941	0.609
Basin2West	2.86	0.664	2.195	1.78	87.811	0.768
Basin3West	2.86	1.653	1.207	0.406	19.262	0.422
Basin4West	2.86	1.437	1.422	0.214	11.325	0.497
Basin7East	2.86	1.243	1.617	1.042	52.862	0.565
Basin10East	2.86	1.714	1.146	0.277	14.362	0.401

Basin5Central	2.86	1.451	1.408	0.981	49.908
0.492					
Basin6East	2.86	1.558	1.301	0.526	26.715
0.455					
Basin6Central	2.86	1.243	1.617	0.195	10.091
0.565					
Basin3Central	2.86	0.831	2.029	0.308	16.138
0.709					
Basin2Central	2.86	0.866	1.979	0.332	17.777
0.692					
Basin1Central	2.86	1.331	1.528	0.59	30.592
0.534					
Basin4Central	2.86	1.243	1.617	0.627	29.881
0.566					
Basin4East	2.86	1.243	1.618	0.339	16.828
0.566					
Basin9East	2.86	1.243	1.617	0.187	9.84
0.565					
Basin5East	2.86	1.158	1.702	0.114	6.158
0.595					
Basin8East	2.86	1.243	1.617	0.587	30.921
0.565					
Basin3East	2.86	1.243	1.617	0.442	22.81
0.566					
Basin3.1East	2.86	1.243	1.617	0.248	12.565
0.565					
Basin2East	2.86	1.331	1.528	0.331	17.182
0.534					
Basin1East	2.86	1.331	1.529	1.331	66.246
0.535					
Basin1.1West	2.86	1.094	1.766	0.904	43.383
0.617					
Basin1.2West	2.86	1.181	1.679	0.272	13.449
0.587					
Basin2.1West	2.86	1.197	1.664	0.33	16.333
0.582					
Basin3.4West	2.86	0.953	1.908	0.601	29.452
0.667					
Basin3.3West	2.86	0.527	2.328	0.319	15.838
0.814					
Basin3.5West	2.86	1.309	1.551	0.52	24.337
0.542					
Basin3.2West	2.86	0.517	2.343	0.238	11.474
0.819					
Basin3.1West	2.86	0.231	2.61	0.104	4.901
0.912					
Basin5West	2.86	0.547	2.313	0.143	7.248
0.809					
Basin6West	2.86	0.693	2.166	0.485	23.567
0.757					
Basin3.2East	2.86	1.317	1.542	0.103	5.256
0.539					
Basin1.1Central	2.86	0.831	2.028	0.351	17.933
0.709					

```
WARNING 03: negative offset ignored for Link C122_2
WARNING 03: negative offset ignored for Link C124
WARNING 03: negative offset ignored for Link C125
WARNING 03: negative offset ignored for Link C127_1
WARNING 03: negative offset ignored for Link C127_2
WARNING 04: minimum elevation drop used for Conduit C141
WARNING 04: minimum elevation drop used for Conduit C143
WARNING 04: minimum elevation drop used for Conduit C150
WARNING 04: minimum elevation drop used for Conduit C164
WARNING 03: negative offset ignored for Link C8
WARNING 03: negative offset ignored for Link C89
WARNING 04: minimum elevation drop used for Conduit C89
WARNING 03: negative offset ignored for Link C90
WARNING 02: maximum depth increased for Node J1
WARNING 02: maximum depth increased for Node J100
WARNING 02: maximum depth increased for Node J102
WARNING 02: maximum depth increased for Node J103
WARNING 02: maximum depth increased for Node J11
WARNING 02: maximum depth increased for Node J113
WARNING 02: maximum depth increased for Node J114
WARNING 02: maximum depth increased for Node J117
WARNING 02: maximum depth increased for Node J118
WARNING 02: maximum depth increased for Node J12
WARNING 02: maximum depth increased for Node J13
WARNING 02: maximum depth increased for Node J133
WARNING 02: maximum depth increased for Node J134
WARNING 02: maximum depth increased for Node J137
WARNING 02: maximum depth increased for Node J14
WARNING 02: maximum depth increased for Node J141
WARNING 02: maximum depth increased for Node J148
WARNING 02: maximum depth increased for Node J149
WARNING 02: maximum depth increased for Node J15
WARNING 02: maximum depth increased for Node J155
WARNING 02: maximum depth increased for Node J156
WARNING 02: maximum depth increased for Node J157
WARNING 02: maximum depth increased for Node J158
WARNING 02: maximum depth increased for Node J159
WARNING 02: maximum depth increased for Node J162
WARNING 02: maximum depth increased for Node J167
WARNING 02: maximum depth increased for Node J17
WARNING 02: maximum depth increased for Node J19
WARNING 02: maximum depth increased for Node J2
WARNING 02: maximum depth increased for Node J20
WARNING 02: maximum depth increased for Node J21
WARNING 02: maximum depth increased for Node J22
WARNING 02: maximum depth increased for Node J23
WARNING 02: maximum depth increased for Node J24
WARNING 02: maximum depth increased for Node J25
WARNING 02: maximum depth increased for Node J26
WARNING 02: maximum depth increased for Node J27
WARNING 02: maximum depth increased for Node J28
WARNING 02: maximum depth increased for Node J3
WARNING 02: maximum depth increased for Node J30
WARNING 02: maximum depth increased for Node J31
WARNING 02: maximum depth increased for Node J32
WARNING 02: maximum depth increased for Node J33
```

```
WARNING 02: maximum depth increased for Node J34
WARNING 02: maximum depth increased for Node J35
WARNING 02: maximum depth increased for Node J36
WARNING 02: maximum depth increased for Node J37
WARNING 02: maximum depth increased for Node J38
WARNING 02: maximum depth increased for Node J4
WARNING 02: maximum depth increased for Node J45
WARNING 02: maximum depth increased for Node J49
WARNING 02: maximum depth increased for Node J50
WARNING 02: maximum depth increased for Node J52
WARNING 02: maximum depth increased for Node J57
WARNING 02: maximum depth increased for Node J58
WARNING 02: maximum depth increased for Node J59
WARNING 02: maximum depth increased for Node J6
WARNING 02: maximum depth increased for Node J60
WARNING 02: maximum depth increased for Node J61
WARNING 02: maximum depth increased for Node J62
WARNING 02: maximum depth increased for Node J63
WARNING 02: maximum depth increased for Node J64
WARNING 02: maximum depth increased for Node J65
WARNING 02: maximum depth increased for Node J66
WARNING 02: maximum depth increased for Node J7
WARNING 02: maximum depth increased for Node J71
WARNING 02: maximum depth increased for Node J77
WARNING 02: maximum depth increased for Node J8
WARNING 02: maximum depth increased for Node J81
WARNING 02: maximum depth increased for Node J82
WARNING 02: maximum depth increased for Node J85
WARNING 02: maximum depth increased for Node J86
WARNING 02: maximum depth increased for Node J87
WARNING 02: maximum depth increased for Node J89
WARNING 02: maximum depth increased for Node J9
WARNING 02: maximum depth increased for Node J90
WARNING 02: maximum depth increased for Node J92
WARNING 02: maximum depth increased for Node J95
WARNING 02: maximum depth increased for Node J96
WARNING 02: maximum depth increased for Node J97
WARNING 02: maximum depth increased for Node J98
WARNING 02: maximum depth increased for Node J99

*************
Element Count
*************
Number of rain gages ...... 6
Number of subcatchments ... 0
Number of nodes ........... 186
Number of links ........... 229
Number of pollutants ...... 0
Number of land uses ....... 0


****************
Raingage Summary
****************
                                                  Data       Recording
Name                 Data Source                  Type       Interval
----------------------------------------------------------------------
```

100YR_24HR_SCS_Type_III_9.58in 100YR_24HR_SCS_Type_III_9.58in CUMULATIVE 6 min.
10YR_6HR_SCS_Type_III_4in 10YR_6HR_SCS_Type_III_4in CUMULATIVE 6 min.
25YR_24HR_SCS_Type_III_7.19in 25YR_24HR_SCS_Type_III_7.19in CUMULATIVE 6 min.
25YR_6HR_SCS_Type_III_4.82in 25YR_6HR_SCS_Type_III_4.82in CUMULATIVE 6 min.
2YR_6HR_SCS_Type_III_2.86in 2YR_6HR_SCS_Type_III_2.86in CUMULATIVE 6 min.
5YR_6HR_SCS_Type_III_3.45in 5YR_6HR_SCS_Type_III_3.45in CUMULATIVE 6 min.

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J1	JUNCTION	848.39	5.60	0.0	
J10	JUNCTION	879.04	7.56	100.0	
J100	JUNCTION	905.61	3.75	0.0	
J101	JUNCTION	963.28	6.00	0.0	
J102	JUNCTION	998.19	1.57	0.0	
J103	JUNCTION	996.01	1.50	0.0	
J104	JUNCTION	980.09	3.20	100.0	
J105	JUNCTION	979.08	3.30	100.0	
J106	JUNCTION	976.93	4.51	0.0	
J107	JUNCTION	990.78	1.33	0.0	
J108	JUNCTION	1008.00	5.20	100.0	
J109	JUNCTION	978.18	3.00	100.0	
J11	JUNCTION	898.40	3.76	0.0	
J110	JUNCTION	1014.00	5.00	100.0	
J111	JUNCTION	1007.80	5.30	100.0	
J112	JUNCTION	998.36	2.90	0.0	
J113	JUNCTION	1037.24	4.90	100.0	
J114	JUNCTION	891.30	8.97	0.0	
J115	JUNCTION	892.11	5.20	0.0	
J116	JUNCTION	894.30	4.30	0.0	
J117	JUNCTION	882.08	8.97	0.0	
J118	JUNCTION	890.79	8.97	0.0	
J119	JUNCTION	890.63	5.20	0.0	
J12	JUNCTION	895.95	3.75	0.0	
J120	JUNCTION	891.47	4.40	0.0	
J121	JUNCTION	892.13	4.20	0.0	
J122	JUNCTION	893.91	3.70	0.0	
J123	JUNCTION	893.13	2.71	0.0	
J124	JUNCTION	893.48	3.61	0.0	
J125	JUNCTION	881.65	5.77	0.0	
J126	JUNCTION	877.62	6.77	0.0	
J127	JUNCTION	884.30	5.10	0.0	
J128	JUNCTION	882.80	3.98	0.0	
J129	JUNCTION	877.05	4.15	0.0	
J13	JUNCTION	860.36	7.64	100.0	
J130	JUNCTION	862.87	4.72	0.0	
J131	JUNCTION	861.66	3.52	0.0	
J132	JUNCTION	991.90	5.08	100.0	
J133	JUNCTION	983.79	8.56	0.0	
J134	JUNCTION	1042.79	3.17	100.0	
J135	JUNCTION	977.09	12.01	0.0	
J136	JUNCTION	973.46	13.81	0.0	
J137	JUNCTION	970.71	5.29	0.0	

J138	JUNCTION	971.38	13.62	0.0
J139	JUNCTION	959.50	5.50	0.0
J14	JUNCTION	858.82	9.76	0.0
J140	JUNCTION	931.15	5.34	100.0
J141	JUNCTION	929.49	4.45	0.0
J142	JUNCTION	1046.96	2.78	100.0
J143	JUNCTION	1033.97	4.65	0.0
J144	JUNCTION	966.77	2.73	100.0
J145	JUNCTION	967.65	3.00	100.0
J146	JUNCTION	967.65	2.43	100.0
J147	JUNCTION	1046.25	3.56	100.0
J148	JUNCTION	929.08	3.00	0.0
J149	JUNCTION	1073.88	2.63	100.0
J15	JUNCTION	858.44	8.64	0.0
J150	JUNCTION	1046.00	4.00	100.0
J151	JUNCTION	996.50	3.11	0.0
J154	JUNCTION	976.81	5.16	0.0
J155	JUNCTION	977.16	5.29	0.0
J156	JUNCTION	978.64	4.52	0.0
J157	JUNCTION	980.77	3.23	0.0
J158	JUNCTION	980.80	3.20	100.0
J159	JUNCTION	1002.16	6.84	0.0
J16	JUNCTION	856.93	6.36	0.0
J160	JUNCTION	1029.71	1.00	0.0
J161	JUNCTION	1014.00	1.00	0.0
J162	JUNCTION	1003.98	5.02	0.0
J163	JUNCTION	1008.97	5.54	0.0
J164	JUNCTION	1009.11	5.39	0.0
J165	JUNCTION	1011.41	2.98	0.0
J166	JUNCTION	976.00	5.00	0.0
J167	JUNCTION	965.91	3.00	0.0
J168	JUNCTION	912.61	5.18	0.0
J169	JUNCTION	912.00	5.00	0.0
J17	JUNCTION	854.58	6.36	0.0
J170	JUNCTION	908.86	4.80	0.0
J171	JUNCTION	905.27	6.32	0.0
J172	JUNCTION	901.90	8.74	0.0
J173	JUNCTION	910.94	3.85	0.0
J174	JUNCTION	909.90	4.00	0.0
J175	JUNCTION	908.08	4.70	0.0
J176	JUNCTION	901.94	7.47	0.0
J177	JUNCTION	900.54	7.20	0.0
J178	JUNCTION	903.72	3.19	0.0
J179	JUNCTION	898.29	4.45	0.0
J18	JUNCTION	853.55	6.32	0.0
J180	JUNCTION	895.32	4.80	0.0
J181	JUNCTION	890.00	4.59	0.0
J182	JUNCTION	888.43	5.27	0.0
J183	JUNCTION	884.34	2.35	0.0
J184	JUNCTION	861.91	3.50	0.0
J185	JUNCTION	927.55	2.80	0.0
J186	JUNCTION	926.20	3.52	0.0
J187	JUNCTION	1011.79	3.00	0.0
J19	JUNCTION	848.41	4.34	0.0
J2	JUNCTION	861.21	6.39	0.0
J20	JUNCTION	845.32	9.99	0.0
J21	JUNCTION	863.59	6.88	100.0

J22	JUNCTION	863.98	8.40	100.0
J23	JUNCTION	863.86	11.03	0.0
J24	JUNCTION	864.84	11.03	0.0
J25	JUNCTION	865.83	8.02	0.0
J26	JUNCTION	867.96	5.24	0.0
J27	JUNCTION	871.54	8.97	0.0
J28	JUNCTION	943.21	4.80	0.0
J29	JUNCTION	926.69	4.47	100.0
J3	JUNCTION	853.15	10.09	0.0
J30	JUNCTION	922.02	5.00	0.0
J31	JUNCTION	919.62	7.26	100.0
J32	JUNCTION	919.27	6.35	100.0
J33	JUNCTION	917.74	7.30	0.0
J34	JUNCTION	899.22	9.20	0.0
J35	JUNCTION	908.54	8.20	0.0
J36	JUNCTION	897.71	6.13	0.0
J37	JUNCTION	896.92	6.43	0.0
J38	JUNCTION	887.13	6.43	0.0
J39	JUNCTION	885.67	5.62	0.0
J4	JUNCTION	854.42	9.15	0.0
J40	JUNCTION	903.56	8.96	0.0
J41	JUNCTION	894.45	14.60	0.0
J42	JUNCTION	898.27	8.20	0.0
J43	JUNCTION	895.14	4.23	0.0
J44	JUNCTION	889.39	5.20	0.0
J45	JUNCTION	887.35	8.97	0.0
J46	JUNCTION	1029.23	5.58	100.0
J47	JUNCTION	1029.03	4.84	100.0
J48	JUNCTION	1028.23	4.05	100.0
J49	JUNCTION	1027.18	4.65	0.0
J5	JUNCTION	853.85	8.57	0.0
J50	JUNCTION	1011.69	4.10	100.0
J51	JUNCTION	1005.32	4.55	0.0
J52	JUNCTION	996.69	6.28	100.0
J53	JUNCTION	1072.41	2.60	100.0
J54	JUNCTION	1070.72	2.50	100.0
J55	JUNCTION	1065.60	3.05	100.0
J56	JUNCTION	1050.60	3.20	100.0
J57	JUNCTION	1014.89	2.68	0.0
J58	JUNCTION	1045.75	2.00	0.0
J59	JUNCTION	1034.52	7.50	100.0
J6	JUNCTION	866.40	5.64	0.0
J60	JUNCTION	1021.50	5.90	100.0
J61	JUNCTION	1002.60	5.11	100.0
J62	JUNCTION	1001.78	6.11	100.0
J63	JUNCTION	995.85	4.43	0.0
J64	JUNCTION	986.80	6.96	0.0
J65	JUNCTION	986.54	7.22	0.0
J66	JUNCTION	978.86	5.27	0.0
J67	JUNCTION	982.37	4.70	0.0
J68	JUNCTION	976.97	6.82	0.0
J69	JUNCTION	976.37	5.85	100.0
J7	JUNCTION	875.38	11.00	0.0
J70	JUNCTION	973.41	3.12	100.0
J71	JUNCTION	969.66	3.00	0.0
J72	JUNCTION	1055.62	6.83	100.0
J74	JUNCTION	1052.29	2.20	100.0

J75	JUNCTION	1053.01	3.20	100.0	
J76	JUNCTION	1053.68	3.35	100.0	
J77	JUNCTION	1028.46	6.26	100.0	
J78	JUNCTION	1021.44	4.25	100.0	
J79	JUNCTION	1026.15	3.55	100.0	
J8	JUNCTION	875.08	10.02	0.0	
J80	JUNCTION	1014.55	5.90	100.0	
J81	JUNCTION	1015.00	5.55	100.0	
J82	JUNCTION	1014.00	6.45	100.0	
J83	JUNCTION	1019.80	3.10	0.0	
J84	JUNCTION	1018.05	4.75	0.0	
J85	JUNCTION	988.25	3.23	0.0	
J86	JUNCTION	987.17	3.54	0.0	
J87	JUNCTION	986.40	4.54	0.0	
J88	JUNCTION	985.65	3.40	0.0	
J89	JUNCTION	981.52	5.60	100.0	
J9	JUNCTION	875.66	11.00	0.0	
J90	JUNCTION	980.25	8.35	0.0	
J91	JUNCTION	1048.66	4.60	100.0	
J92	JUNCTION	975.95	7.26	100.0	
J95	JUNCTION	973.39	7.34	100.0	
J96	JUNCTION	972.40	7.72	100.0	
J97	JUNCTION	964.70	9.36	100.0	
J98	JUNCTION	962.53	9.90	0.0	
J99	JUNCTION	961.98	6.10	0.0	
OF1	OUTFALL	843.04	9.99	0.0	
J73	STORAGE	1048.58	6.10	0.0	
SU1	STORAGE	948.10	3.90	0.0	
SU2	STORAGE	890.46	4.70	0.0	

****
Link Summary
****

Name	From Node	To Node	Type	Length	% Slope	Roughness
5	J33	J35	CONDUIT	225.8	3.6761	0.0110
C1	J20	OF1	CONDUIT	67.8	3.3701	0.0300
C10	J16	J17	CONDUIT	138.2	1.7001	0.0300
C100	J119	J118	CONDUIT	17.1	-0.9335	0.0130
C101	J118	J117	CONDUIT	112.3	7.7752	0.0350
C102	J120	J119	CONDUIT	31.1	1.7354	0.0130
C103	J122	J120	CONDUIT	15.7	15.0984	0.0130
C104	J121	J120	CONDUIT	29.8	0.8725	0.0130
C105	J123	J121	CONDUIT	98.2	0.7636	0.0130
C106	J124	J123	CONDUIT	19.8	0.8096	0.0130

C107		J39	J27	CONDUIT	204.9	
6.9145	0.0400					
C108		J125	J126	CONDUIT	48.3	
8.1639	0.0130					
C109		J127	J125	CONDUIT	33.9	
2.8324	0.0130					
C110		J128	J126	CONDUIT	57.9	
8.4218	0.0130					
C111		J126	J129	CONDUIT	42.3	
1.2296	0.0130					
C112		J129	J130	CONDUIT	168.9	
8.3840	0.0130					
C113		J130	J131	CONDUIT	50.9	
2.1427	0.0130					
C114		J131	J15	CONDUIT	42.4	
7.6089	0.0130					
C115		J49	J50	CONDUIT	270.3	
5.7404	0.0130					
C116		J31	J32	CONDUIT	17.0	
7.4225	0.0200					
C116_2		J77	J81	CONDUIT	467.7	
3.0310	0.0500					
C117		J61	J62	CONDUIT	31.5	-
0.5709	0.0130					
C118		J52	J132	CONDUIT	80.9	
5.9291	0.0130					
C119		J133	J135	CONDUIT	61.8	
10.8979	0.0130					
C12		J1	J19	CONDUIT	629.1	-
0.0027	0.0130					
C120		J135	J136	CONDUIT	157.0	
2.0390	0.0130					
C121		J102	J107	CONDUIT	196.8	
4.2121	0.0230					
C122		J137	J139	CONDUIT	200.3	
5.6060	0.0240					
C122_1		J136	J138	CONDUIT	76.9	
2.7043	0.0130					
C122_2		J138	J137	CONDUIT	24.7	
2.7121	0.0130					
C123		J139	J140	CONDUIT	673.1	
4.1099	0.0130					
C124		J140	J141	CONDUIT	82.4	
1.8929	0.0130					
C125		J141	J29	CONDUIT	67.9	
2.1798	0.0130					
C126		J147	J150	CONDUIT	11.7	
2.1378	0.0130					
C127		J142	J150	CONDUIT	17.5	
5.4786	0.0130					
C127_1		J73	J150	CONDUIT	142.3	
1.8133	0.0130					
C127_2		J150	J143	CONDUIT	166.6	
7.2378	0.0130					
C128		J82	J110	CONDUIT	12.1	
0.4147	0.0130					
C128_1		J141	J148	CONDUIT	73.5	
3.8944	0.0300					
C128_2		J148	J30	CONDUIT	125.1	
4.0485	0.0300					

C128_3	J80	J110	CONDUIT	194.5	0.2828	0.0130
C128_4	J111	J151	CONDUIT	220.7	5.1257	0.0130
C128_5	J110	J111	CONDUIT	75.6	8.2259	0.0130
C128_7	J151	J85	CONDUIT	157.3	5.2511	0.0130
C129	J139	J32	CONDUIT	1077.2	3.7373	0.0230
C13	J17	J18	CONDUIT	13.0	7.9280	0.0300
C130	J112	J151	CONDUIT	39.2	2.1959	0.0130
C130_1	J30	J31	CONDUIT	99.8	0.9822	0.0300
C131	J149	J53	CONDUIT	26.1	5.6414	0.0130
C132	J59	J60	CONDUIT	200.0	7.3292	0.0240
C132_1	J149	J113	CONDUIT	365.2	9.4532	0.0220
C133	J156	J155	CONDUIT	19.8	3.5902	0.0200
C134	J57	J61	CONDUIT	98.7	12.2487	0.0240
C135	J58	J134	CONDUIT	41.8	1.8855	0.0300
C136	J134	J59	CONDUIT	87.8	4.4935	0.0220
C137	J144	J101	CONDUIT	19.1	4.3962	0.0130
C138	J57	J61	CONDUIT	100.1	9.8993	0.0200
C139	J155	J154	CONDUIT	31.2	1.1207	0.0130
C14	J18	J1	CONDUIT	170.0	3.0361	0.0300
C140	J62	J63	CONDUIT	119.3	6.3900	0.0200
C141	J64	J65	CONDUIT	36.8	0.0027	0.0200
C142	J66	J71	CONDUIT	192.3	6.8447	0.0240
C143	J162	J159	CONDUIT	30.6	0.0033	0.0240
C144	J156	J155	CONDUIT	17.6	8.4448	0.0130
C145	J158	J157	CONDUIT	5.8	0.5156	0.0240
C146	J134	J59	CONDUIT	78.9	10.5400	0.0130
C147	J157	J156	CONDUIT	17.9	12.0180	0.0300
C148	J35	J34	CONDUIT	224.8	3.7058	0.0110
C149	J34	J36	CONDUIT	43.5	10.5722	0.0110
C15	J13	J14	CONDUIT	22.3	6.9280	0.0300

C150	J22	J21	CONDUIT	14.3	
0.0070	0.0130				
C151	J14	J15	CONDUIT	65.6	
0.7618	0.0200				
C152	J162	J159	CONDUIT	24.4	
7.4931	0.0140				
C153	J159	J158	CONDUIT	392.2	
5.4549	0.0300				
C154	J163	J164	CONDUIT	10.6	-
1.3197	0.0130				
C155	J164	J162	CONDUIT	117.0	
4.3891	0.0300				
C156	J98	J99	CONDUIT	17.4	
13.5980	0.0240				
C157	J165	J163	CONDUIT	35.7	
6.7745	0.0130				
C158	J154	J166	CONDUIT	12.3	
6.5938	0.0300				
C159	J81	J82	CONDUIT	33.0	
16.9258	0.0110				
C16	J2	J13	CONDUIT	55.0	
1.5381	0.0300				
C160	J166	J167	CONDUIT	256.7	
3.9321	0.0240				
C160_3	J82	J85	CONDUIT	460.5	
6.4084	0.0110				
C161	J168	J169	CONDUIT	45.2	
1.3500	0.0130				
C162	J169	J40	CONDUIT	95.0	
8.8905	0.0130				
C163	J113	J59	CONDUIT	31.2	
0.3849	0.0110				
C164	J158	J157	CONDUIT	7.9	
0.0127	0.0240				
C165	J170	J40	CONDUIT	9.9	
3.0317	0.0130				
C166	J89	J90	CONDUIT	21.0	
2.4827	0.0110				
C167	J173	J174	CONDUIT	18.8	
0.4785	0.0130				
C168	J85	J87	CONDUIT	127.1	
0.0464	0.0110				
C169	J174	J175	CONDUIT	41.1	
3.7039	0.0130				
C169_2	J95	J96	CONDUIT	16.9	
3.6067	0.0110				
C169_3	J92	J109	CONDUIT	49.8	
4.0715	0.0110				
C169_4	J109	J95	CONDUIT	11.1	
4.0655	0.0110				
C17	J21	J2	CONDUIT	66.4	
3.5867	0.0300				
C170	J175	J172	CONDUIT	70.7	
4.3764	0.0130				
C170_4	J160	J161	CONDUIT	268.8	
5.8529	0.0350				
C170_6	J161	J52	CONDUIT	309.4	
3.8913	0.0350				
C171	J49	J160	CONDUIT	18.6	
6.0381	0.0350				

C172	J50	J161	CONDUIT	9.0	
8.7892	0.0350				
C173	J176	J41	CONDUIT	9.5	
128.9248	0.0130				
C174	J133	J137	CONDUIT	317.6	
5.1556	0.0110				
C175	J13	J14	CONDUIT	27.0	-
2.1514	0.0240				
C176	J4	J3	CONDUIT	42.1	
0.7795	0.0110				
C177	J19	J20	CONDUIT	6.5	
15.3877	0.0240				
C178	J177	J42	CONDUIT	14.8	
15.5118	0.0130				
C179	J178	J42	CONDUIT	56.6	
9.6750	0.0130				
C18	J22	J21	CONDUIT	12.8	
3.0469	0.0350				
C180	J179	J180	CONDUIT	48.6	
3.8523	0.0130				
C181	J180	J43	CONDUIT	10.4	
0.5776	0.0130				
C182	SU2	J181	CONDUIT	3.7	
7.0713	0.0300				
C183	J181	J44	CONDUIT	8.3	
4.0998	0.0130				
C184	J184	J15	CONDUIT	71.3	
4.8694	0.0130				
C185	J185	J186	CONDUIT	37.3	
3.1676	0.0240				
C186	J186	J31	CONDUIT	123.3	
5.3451	0.0240				
C187	J187	J50	CONDUIT	10.9	
0.9154	0.0130				
C188	J91	J73	CONDUIT	56.2	
2.5285	0.0130				
C19	J23	J22	CONDUIT	15.7	-
0.7565	0.0350				
C2	J3	J1	CONDUIT	167.0	
2.8539	0.0300				
C20	J24	J23	CONDUIT	60.4	
1.6158	0.0350				
C21	J25	J24	CONDUIT	38.7	
2.5786	0.0350				
C22	J26	J25	CONDUIT	50.0	
4.2576	0.0350				
C23	J27	J26	CONDUIT	71.5	
5.0115	0.0350				
C24	J28	J29	CONDUIT	86.6	
18.3150	0.0130				
C25	J29	J30	CONDUIT	123.9	
3.7729	0.0130				
C26	J30	J31	CONDUIT	94.8	
2.5231	0.0350				
C27	J31	J32	CONDUIT	13.3	
1.7267	0.0130				
C28	J32	J33	CONDUIT	37.8	
3.5214	0.0130				
C29	J34	J36	CONDUIT	39.2	
3.8503	0.0130				

C29_1	J33	J35	CONDUIT	220.0	4.1838	0.0130
C29_2	J35	J34	CONDUIT	220.7	4.1837	0.0130
C3	J6	J4	CONDUIT	157.5	7.6283	0.0350
C3_1	J4	J5	CONDUIT	16.1	3.5081	0.0200
C3_2	J5	J3	CONDUIT	19.9	3.5062	0.0200
C30	J36	J37	CONDUIT	61.8	1.2700	0.0350
C31	J37	J38	CONDUIT	119.3	8.2389	0.0350
C32	J38	J39	CONDUIT	37.5	3.8947	0.0130
C33	J171	J172	CONDUIT	8.9	3.2649	0.0130
C33_1	J40	J172	CONDUIT	67.9	2.1662	0.0130
C33_2	J172	J41	CONDUIT	80.0	4.1897	0.0130
C34	J41	J42	CONDUIT	65.0	0.1538	0.0130
C35	J42	J180	CONDUIT	151.0	2.0069	0.0130
C36	J43	J44	CONDUIT	113.2	4.1470	0.0130
C37	J183	J24	CONDUIT	133.6	11.0401	0.0130
C37_1	J44	J182	CONDUIT	19.0	5.0511	0.0130
C37_2	J182	J45	CONDUIT	21.4	5.0520	0.0240
C38	J46	J47	CONDUIT	28.9	0.6923	0.0130
C39	J47	J48	CONDUIT	26.0	3.0787	0.0130
C4	J9	J7	CONDUIT	36.6	0.7648	0.0200
C4_1	J7	J8	CONDUIT	23.2	1.2936	0.0350
C4_2	J8	J6	CONDUIT	132.2	6.5817	0.0350
C40	J48	J49	CONDUIT	39.2	2.6820	0.0130
C41	J50	J51	CONDUIT	130.2	4.8608	0.0130
C42	J51	J52	CONDUIT	181.9	4.7156	0.0130
C43	J53	J54	CONDUIT	41.8	3.8027	0.0130
C44	J54	J55	CONDUIT	73.5	6.5676	0.0130
C45	J55	J56	CONDUIT	126.2	11.7638	0.0130
C46	J132	J133	CONDUIT	152.3	5.3320	0.0130
C46_1	J58	J134	CONDUIT	39.1	7.5956	0.0400

C46_2	J134	J113	CONDUIT	73.5	5.2095	0.0230
C47	J56	J58	CONDUIT	119.5	4.0625	0.0130
C48	J59	J60	CONDUIT	196.9	6.5253	0.0130
C49	J61	J62	CONDUIT	29.3	2.7633	0.0130
C5	J10	J9	CONDUIT	26.5	12.8583	0.0350
C50	J62	J63	CONDUIT	114.5	5.1838	0.0130
C51	J63	J64	CONDUIT	147.2	6.1595	0.0350
C52	J64	J65	CONDUIT	33.3	0.7805	0.0130
C53	J66	J68	CONDUIT	15.7	10.1699	0.0130
C53_1	J65	J67	CONDUIT	109.9	3.7993	0.0350
C53_2	J67	J66	CONDUIT	92.4	3.7961	0.0350
C54	J68	J69	CONDUIT	70.7	0.8487	0.0130
C55	J69	J70	CONDUIT	104.7	2.6852	0.0130
C56	J70	J71	CONDUIT	97.7	3.8415	0.0240
C57	J72	J73	CONDUIT	217.5	3.1461	0.0130
C58	J74	J73	CONDUIT	45.0	4.6907	0.0130
C59	J75	J73	CONDUIT	42.1	6.2528	0.0130
C6	J11	J10	CONDUIT	160.9	12.1204	0.0350
C60	J76	J73	CONDUIT	48.8	6.5780	0.0130
C61_1	J77	J79	CONDUIT	84.1	2.6298	0.0240
C61_2	J79	J78	CONDUIT	46.8	9.7950	0.0240
C63	J78	J80	CONDUIT	152.5	4.4248	0.0240
C64	J81	J82	CONDUIT	31.2	3.0438	0.0130
C65	J83	J84	CONDUIT	28.1	6.0536	0.0130
C66	J84	J81	CONDUIT	30.8	8.4762	0.0130
C67	J85	J86	CONDUIT	102.1	1.0612	0.0240
C68	J86	J87	CONDUIT	19.8	3.8539	0.0240
C69	J87	J88	CONDUIT	14.5	5.2122	0.0100
C7	J12	J10	CONDUIT	166.7	10.1972	0.0350
C70	J88	J89	CONDUIT	54.5	7.5991	0.0100

C71	J89	J90	CONDUIT	19.1	6.6584	0.0240
C72_1	J90	J106	CONDUIT	94.4	3.5146	0.0130
C73	J104	J105	CONDUIT	40.8	1.9870	0.0130
C73_2	J106	J92	CONDUIT	42.7	2.3084	0.0130
C75	J92	J95	CONDUIT	59.3	4.3130	0.0240
C77	J95	J96	CONDUIT	16.5	6.0122	0.0130
C78	J96	J97	CONDUIT	159.8	4.8252	0.0240
C79	J98	J99	CONDUIT	15.5	3.5564	0.0130
C8	J14	J15	CONDUIT	61.9	0.6168	0.0300
C80	SU1	J11	CONDUIT	663.7	7.5091	0.0350
C80_2	J100	J12	CONDUIT	184.4	5.2484	0.0350
C80_3	J71	J167	CONDUIT	71.5	5.2489	0.0130
C80_4	J167	J100	CONDUIT	1151.0	5.2463	0.0130
C81	J99	SU1	CONDUIT	831.8	1.6689	0.0130
C82	J102	J103	CONDUIT	145.8	1.4950	0.0130
C82_1	J97	J101	CONDUIT	43.4	3.2716	0.0130
C82_2	J101	J98	CONDUIT	42.0	1.7879	0.0130
C83	J105	J106	CONDUIT	44.6	4.8220	0.0130
C85	J60	J57	CONDUIT	83.6	11.8461	0.0240
C85_1	J90	J92	CONDUIT	139.6	3.8680	0.0240
C86	J28	J148	CONDUIT	86.0	20.0892	0.0240
C87	J108	J111	CONDUIT	22.3	0.8965	0.0130
C88	J32	J33	CONDUIT	43.1	1.3473	0.0130
C89	J145	J146	CONDUIT	43.0	0.0023	0.0130
C9	J15	J16	CONDUIT	11.2	13.6396	0.0300
C90	J146	J101	CONDUIT	43.3	4.7851	0.0130
C91	J143	J77	CONDUIT	110.6	4.9863	0.0300
C92	J107	J98	CONDUIT	662.5	3.2246	0.0230
C93	J113	J59	CONDUIT	29.0	9.4192	0.0130
C94	J97	J98	CONDUIT	86.4	1.8863	0.0110

C95	J60	J57	CONDUIT	79.7	
8.3201	0.0130				
C96	J57	J61	CONDUIT	95.7	
12.7355	0.0130				
C97	J114	J117	CONDUIT	179.8	
5.1330	0.0350				
C97_1	J45	J117	CONDUIT	174.9	
3.0135	0.0350				
C97_2	J117	J27	CONDUIT	358.8	
2.9401	0.0350				
C98	J116	J115	CONDUIT	40.6	
5.1553	0.0130				
C99	J115	J114	CONDUIT	16.5	
4.9138	0.0130				
C11	J19	J20	WEIR		
C84	J103	J104	WEIR		

****
Cross Section Summary
****

Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
5	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	514.48
C1	XS1	9.99	238.32	6.06	30.55	1	7203.86
C10	XS11	6.36	52.31	2.72	10.60	1	657.98
C100	CIRCULAR	2.50	4.91	0.63	2.50	1	39.63
C101	XS28	8.97	139.40	0.70	29.94	1	1306.86
C102	CIRCULAR	2.50	4.91	0.63	2.50	1	54.03
C103	CIRCULAR	1.50	1.77	0.38	1.50	1	40.82
C104	CIRCULAR	2.00	3.14	0.50	2.00	1	21.13
C105	CIRCULAR	1.50	1.77	0.38	1.50	1	9.18
C106	CIRCULAR	1.50	1.77	0.38	1.50	1	9.45
C107	XS29	3.98	58.71	1.70	32.88	1	815.30
C108	CIRCULAR	2.00	3.14	0.50	2.00	1	64.64
C109	CIRCULAR	2.00	3.14	0.50	2.00	1	38.07
C110	CIRCULAR	1.50	1.77	0.38	1.50	1	30.48
C111	CIRCULAR	2.00	3.14	0.50	2.00	1	25.09
C112	CIRCULAR	2.00	3.14	0.50	2.00	1	65.50

C113	CIRCULAR	2.00	3.14	0.50	2.00	1	33.11
C114	CIRCULAR	2.00	3.14	0.50	2.00	1	62.40
C115	CIRCULAR	3.00	7.07	0.75	3.00	1	159.80
C116	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	402.08
C116_2	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1	206.06
C117	RECT_OPEN	1.00	27.00	0.93	27.00	1	222.36
C118	CIRCULAR	3.00	7.07	0.75	3.00	1	162.41
C119	CIRCULAR	3.50	9.62	0.88	3.50	1	332.13
C12	TRAPEZOIDAL	2.50	1275.00	2.45	520.00	1	1376.51
C120	CIRCULAR	3.50	9.62	0.88	3.50	1	143.66
C121	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	51.62
C122	RECT_OPEN	4.00	14.00	1.22	3.50	1	234.00
C122_1	ARCH	3.00	10.64	0.90	4.50	1	186.01
C122_2	ARCH	3.00	10.64	0.90	4.50	1	186.28
C123	ARCH	2.61	8.80	0.80	4.26	1	175.74
C124	RECT_CLOSED	3.00	15.00	0.94	5.00	1	225.96
C125	RECT_CLOSED	3.00	15.00	0.94	5.00	1	242.49
C126	CIRCULAR	1.50	1.77	0.38	1.50	1	15.36
C127	CIRCULAR	1.00	0.79	0.25	1.00	1	8.34
C127_1	ARCH	3.00	11.40	0.90	4.88	1	163.57
C127_2	ARCH	3.00	11.40	0.90	4.88	1	326.80
C128	CIRCULAR	1.67	2.19	0.42	1.67	1	9.01
C128_1	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	194.16
C128_2	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1	628.29
C128_3	ARCH	3.00	11.40	0.90	4.88	1	64.60
C128_4	RECT_CLOSED	3.00	18.00	1.00	6.00	1	465.83
C128_5	ARCH	3.00	11.40	0.90	4.88	1	348.39
C128_7	RECT_CLOSED	3.00	18.00	1.00	6.00	1	471.49
C129	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	48.63
C13	RECT_CLOSED	4.30	33.54	1.39	7.80	1	581.49

C130	CIRCULAR	1.25	1.23	0.31	1.25	1
9.57						
C130_1	TRAPEZOIDAL	1.00	24.00	0.85	28.00	1
105.69						
C131	CIRCULAR	1.50	1.77	0.38	1.50	1
24.95						
C132	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
166.42						
C132_1	RECT_OPEN	1.00	5.00	0.71	5.00	1
82.97						
C133	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
139.77						
C134	RECT_OPEN	0.71	1.60	0.44	2.25	1
19.88						
C135	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1
79.81						
C136	RECT_OPEN	1.00	27.00	0.93	27.00	1
368.61						
C137	CIRCULAR	1.25	1.23	0.31	1.25	1
13.54						
C138	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
232.09						
C139	CIRCULAR	3.00	7.07	0.75	3.00	1
70.61						
C14	XS10	5.60	55.08	2.13	19.46	1
787.64						
C140	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1
220.38						
C141	TRAPEZOIDAL	2.00	36.00	1.36	26.00	1
17.11						
C142	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1
190.07						
C143	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1
22.30						
C144	CIRCULAR	3.00	7.07	0.75	3.00	1
193.82						
C145	CIRCULAR	0.67	0.35	0.17	0.67	1
0.48						
C146	CIRCULAR	2.00	3.14	0.50	2.00	1
73.44						
C147	RECT_OPEN	2.50	7.50	0.94	3.00	1
123.36						
C148	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
258.19						
C149	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
436.10						
C15	XS14	4.64	44.90	2.40	20.83	1
1050.32						
C150	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
18.99						
C151	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1
408.83						
C152	CIRCULAR	1.00	0.79	0.25	1.00	1
9.06						
C153	RECT_OPEN	2.50	7.50	0.94	3.00	1
83.11						
C154	CIRCULAR	1.50	1.77	0.38	1.50	1
12.07						
C155	RECT_OPEN	2.50	10.00	1.11	4.00	1
111.32						

C156	TRAPEZOIDAL	1.00	16.00	0.90	17.00	1
339.89						
C157	CIRCULAR	1.50	1.77	0.38	1.50	1
27.34						
C158	CIRCULAR	3.00	7.07	0.75	3.00	1
74.22						
C159	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
2213.36						
C16	XS15	6.39	91.07	3.40	28.37	1
1263.79						
C160	RECT_OPEN	2.50	10.00	1.11	4.00	1
131.71						
C160_3	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
1361.93						
C161	CIRCULAR	1.50	1.77	0.38	1.50	1
12.20						
C162	CIRCULAR	2.50	4.91	0.63	2.50	1
122.30						
C163	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
83.21						
C164	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
13.87						
C165	CIRCULAR	1.00	0.79	0.25	1.00	1
6.20						
C166	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
847.70						
C167	CIRCULAR	1.00	0.79	0.25	1.00	1
2.46						
C168	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
115.93						
C169	CIRCULAR	1.50	1.77	0.38	1.50	1
20.22						
C169_2	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6354.63						
C169_3	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6751.74						
C169_4	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6746.76						
C17	XS16	5.78	75.72	1.54	34.13	1
948.95						
C170	CIRCULAR	1.50	1.77	0.38	1.50	1
21.98						
C170_4	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
101.98						
C170_6	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
83.15						
C171	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
52.42						
C172	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
63.25						
C173	ARCH	1.50	2.80	0.45	2.38	1
213.41						
C174	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
154.14						
C175	TRAPEZOIDAL	3.00	54.00	2.30	21.00	1
854.34						
C176	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
118.41						
C177	TRAPEZOIDAL	2.00	24.00	1.53	14.00	1
774.95						

C178	CIRCULAR	1.50	1.77	0.38	1.50	1
41.37						
C179	CIRCULAR	1.50	1.77	0.38	1.50	1
32.67						
C18	ARCH	4.00	31.52	1.20	10.00	1
263.22						
C180	CIRCULAR	1.50	1.77	0.38	1.50	1
20.62						
C181	CIRCULAR	3.00	7.07	0.75	3.00	1
50.69						
C182	CIRCULAR	0.67	0.35	0.17	0.67	1
1.41						
C183	CIRCULAR	1.25	1.23	0.31	1.25	1
13.08						
C184	CIRCULAR	1.50	1.77	0.38	1.50	1
23.18						
C185	CIRCULAR	1.00	0.79	0.25	1.00	1
3.43						
C186	CIRCULAR	1.50	1.77	0.38	1.50	1
13.15						
C187	CIRCULAR	1.00	0.79	0.25	1.00	1
3.41						
C188	CIRCULAR	1.25	1.23	0.31	1.25	1
10.27						
C19	XS17	8.40	188.17	4.94	35.59	1
2015.69						
C2	XS2	5.38	99.15	3.52	24.27	1
1918.56						
C20	XS18	11.03	217.69	6.41	34.67	1
4055.42						
C21	XS19	8.02	133.18	2.95	30.03	1
1868.33						
C22	XS20	5.24	77.90	2.23	23.90	1
1166.20						
C23	XS21	5.11	77.61	3.04	26.97	1
1547.01						
C24	CIRCULAR	2.00	3.14	0.50	2.00	1
96.81						
C25	RECT_CLOSED	3.00	15.00	0.94	5.00	1
319.02						
C26	XS22	3.53	48.41	1.64	28.19	1
453.10						
C27	RECT_CLOSED	4.00	24.00	1.20	6.00	1
407.09						
C28	RECT_CLOSED	4.00	24.00	1.20	6.00	1
581.34						
C29	RECT_CLOSED	4.00	24.00	1.20	6.00	1
607.88						
C29_1	RECT_CLOSED	4.00	24.00	1.20	6.00	1
633.66						
C29_2	RECT_CLOSED	4.00	24.00	1.20	6.00	1
633.66						
C3	XS3	4.55	95.83	3.21	25.34	1
2443.35						
C3_1	RECT_CLOSED	5.00	55.00	1.72	11.00	1
1098.24						
C3_2	RECT_CLOSED	6.00	66.00	1.94	11.00	1
1428.87						
C30	XS23	4.08	74.78	2.57	32.83	1
671.71						

C31	XS24	6.43	125.90	3.87	37.26	1	3779.07
C32	RECT_CLOSED	4.00	40.00	1.43	10.00	1	1144.56
C33	CIRCULAR	1.50	1.77	0.38	1.50	1	18.98
C33_1	CIRCULAR	2.50	4.91	0.63	2.50	1	60.37
C33_2	CIRCULAR	3.00	7.07	0.75	3.00	1	136.52
C34	CIRCULAR	3.00	7.07	0.75	3.00	1	26.15
C35	CIRCULAR	3.00	7.07	0.75	3.00	1	94.49
C36	CIRCULAR	3.00	7.07	0.75	3.00	1	135.83
C37	CIRCULAR	1.25	1.23	0.31	1.25	1	21.46
C37_1	CIRCULAR	3.00	7.07	0.75	3.00	1	149.90
C37_2	CIRCULAR	3.00	7.07	0.75	3.00	1	81.20
C38	CIRCULAR	3.00	7.07	0.75	3.00	1	55.50
C39	CIRCULAR	3.00	7.07	0.75	3.00	1	117.03
C4	CIRCULAR	11.00	95.03	2.75	11.00	1	1212.05
C4_1	XS7	10.02	77.59	2.93	16.77	1	766.62
C4_2	XS4	5.64	119.40	3.66	29.37	1	3090.82
C40	CIRCULAR	3.00	7.07	0.75	3.00	1	109.23
C41	CIRCULAR	3.00	7.07	0.75	3.00	1	147.05
C42	CIRCULAR	3.00	7.07	0.75	3.00	1	144.84
C43	CIRCULAR	1.50	1.77	0.38	1.50	1	20.48
C44	ARCH	1.88	4.40	0.56	3.02	1	87.57
C45	ARCH	2.22	6.40	0.68	3.65	1	194.03
C46	ARCH	3.33	14.30	1.01	5.42	1	379.96
C46_1	TRAPEZOIDAL	1.00	7.00	0.79	8.00	1	61.40
C46_2	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	57.41
C47	RECT_CLOSED	2.00	8.00	0.67	4.00	1	140.66
C48	ARCH	2.22	6.40	0.68	3.65	1	144.51
C49	ARCH	2.22	6.40	0.68	3.65	1	94.04
C5	XS5	7.55	124.26	4.38	21.74	1	5068.01
C50	ARCH	2.22	6.40	0.68	3.65	1	128.80

C51	XS25	2.17	19.95	0.98	19.55	1
207.15						
C52	ARCH	3.00	11.40	0.90	4.88	1
107.32						
C53	ARCH	2.22	6.40	0.68	3.65	1
180.41						
C53_1	XS26	3.96	28.25	1.90	11.38	1
358.74						
C53_2	XS27	2.82	15.24	1.42	7.80	1
159.60						
C54	ARCH	2.22	6.40	0.68	3.65	1
52.12						
C55	ARCH	2.22	6.40	0.68	3.65	1
92.70						
C56	ARCH	2.22	6.40	0.68	3.65	1
60.06						
C57	CIRCULAR	2.50	4.91	0.63	2.50	1
72.75						
C58	CIRCULAR	1.25	1.23	0.31	1.25	1
13.99						
C59	CIRCULAR	1.25	1.23	0.31	1.25	1
16.15						
C6	XS8	3.76	38.43	2.26	12.47	1
979.41						
C60	CIRCULAR	1.25	1.23	0.31	1.25	1
16.57						
C61_1	CIRCULAR	2.50	4.91	0.63	2.50	1
36.03						
C61_2	CIRCULAR	2.50	4.91	0.63	2.50	1
69.53						
C63	CIRCULAR	2.50	4.91	0.63	2.50	1
46.74						
C64	CIRCULAR	1.67	2.19	0.42	1.67	1
24.40						
C65	CIRCULAR	1.67	2.19	0.42	1.67	1
34.41						
C66	CIRCULAR	1.67	2.19	0.42	1.67	1
40.72						
C67	Trous1	3.23	26.17	1.80	9.45	1
247.10						
C68	Trous2	3.54	28.38	1.99	8.61	1
545.43						
C69	Trousd3_copy	3.40	28.59	2.01	9.94	1
1544.93						
C7	XS9	3.75	85.07	2.47	33.46	1
2105.63						
C70	Trousd3_copy	3.40	28.59	2.01	9.94	1
1865.42						
C71	Trous4-5	4.71	28.45	2.04	7.89	1
730.46						
C72_1	RECT_CLOSED	3.00	24.00	1.09	8.00	1
545.02						
C73	ARCH	1.00	1.32	0.30	1.67	1
9.48						
C73_2	RECT_CLOSED	3.00	24.00	1.09	8.00	1
441.71						
C75	Trous10	3.75	22.25	1.42	10.55	1
361.95						
C77	RECT_CLOSED	3.00	24.00	1.09	8.00	1
712.84						

C78	Trous10	3.75	22.25	1.42	10.55	1
382.84						
C79	RECT_CLOSED	3.00	33.00	1.18	11.00	1
793.71						
C8	RECT_CLOSED	4.50	45.00	1.55	10.00	1
234.63						
C80	XS8	3.76	38.43	2.26	12.47	1
770.90						
C80_2	XS9	3.75	85.07	2.47	33.46	1
1510.62						
C80_3	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1
2343.69						
C80_4	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1
2343.11						
C81	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1
1321.52						
C82	CIRCULAR	1.00	0.79	0.25	1.00	1
4.36						
C82_1	RECT_CLOSED	3.00	33.00	1.18	11.00	1
761.27						
C82_2	RECT_CLOSED	3.00	33.00	1.18	11.00	1
562.77						
C83	ARCH	1.00	1.32	0.30	1.67	1
14.77						
C85	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
211.58						
C85_1	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
3016.20						
C86	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
275.52						
C87	CIRCULAR	1.25	1.23	0.31	1.25	1
6.12						
C88	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
263.55						
C89	CIRCULAR	1.25	1.23	0.31	1.25	1
0.31						
C9	XS11	6.36	52.31	2.72	10.60	1
1863.70						
C90	CIRCULAR	1.25	1.23	0.31	1.25	1
14.13						
C91	RECT_OPEN	3.80	16.72	1.39	4.40	1
230.71						
C92	Street1-ValleyGutters	0.70	9.13	0.28	37.00	
1 45.17						
C93	ARCH	1.50	2.80	0.45	2.38	2
57.68						
C94	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
4595.61						
C95	ARCH	2.22	6.40	0.68	3.65	1
163.18						
C96	ARCH	2.22	6.40	0.68	3.65	1
201.88						
C97	XS28	8.97	139.40	0.70	29.94	1
1061.84						
C97_1	XS28	8.97	139.40	0.70	29.94	1
813.59						
C97_2	XS28	8.97	139.40	0.70	29.94	1
803.62						
C98	CIRCULAR	1.50	1.77	0.38	1.50	1
23.85						

```
  C99              CIRCULAR            1.50     1.77     0.38     1.50        1
23.29


  ****************
  Transect Summary
  ****************

  Transect Spillway
  Area:
              0.0014     0.0045     0.0085     0.0135     0.0195
              0.0265     0.0345     0.0434     0.0534     0.0643
              0.0762     0.0890     0.1029     0.1177     0.1335
              0.1503     0.1681     0.1869     0.2067     0.2274
              0.2491     0.2718     0.2955     0.3201     0.3457
              0.3716     0.3975     0.4235     0.4494     0.4754
              0.5014     0.5275     0.5536     0.5797     0.6058
              0.6319     0.6581     0.6843     0.7105     0.7368
              0.7630     0.7893     0.8156     0.8420     0.8683
              0.8946     0.9209     0.9473     0.9736     1.0000
  Hrad:
              0.0163     0.0366     0.0544     0.0709     0.0868
              0.1023     0.1175     0.1325     0.1474     0.1623
              0.1770     0.1917     0.2064     0.2210     0.2356
              0.2502     0.2647     0.2792     0.2937     0.3082
              0.3227     0.3372     0.3517     0.3661     0.3841
              0.4110     0.4377     0.4642     0.4905     0.5166
              0.5425     0.5682     0.5937     0.6190     0.6441
              0.6691     0.6938     0.7184     0.7428     0.7670
              0.7911     0.8150     0.8387     0.8623     0.8857
              0.9089     0.9319     0.9548     0.9775     1.0000
  Width:
              0.0971     0.1343     0.1716     0.2088     0.2461
              0.2833     0.3206     0.3578     0.3951     0.4324
              0.4696     0.5069     0.5441     0.5814     0.6186
              0.6559     0.6931     0.7304     0.7676     0.8049
              0.8421     0.8794     0.9166     0.9539     0.9812
              0.9822     0.9832     0.9842     0.9852     0.9862
              0.9872     0.9882     0.9892     0.9901     0.9911
              0.9921     0.9931     0.9941     0.9951     0.9961
              0.9970     0.9973     0.9976     0.9980     0.9983
              0.9987     0.9990     0.9993     0.9997     1.0000

  Transect Street1
  Area:
              0.0004     0.0017     0.0037     0.0066     0.0103
              0.0149     0.0202     0.0264     0.0335     0.0413
              0.0500     0.0595     0.0698     0.0810     0.0930
              0.1058     0.1194     0.1339     0.1492     0.1653
              0.1822     0.2000     0.2186     0.2380     0.2582
              0.2793     0.3012     0.3239     0.3475     0.3719
              0.3971     0.4231     0.4499     0.4776     0.5061
              0.5355     0.5656     0.5965     0.6275     0.6585
              0.6895     0.7207     0.7527     0.7856     0.8192
              0.8537     0.8891     0.9252     0.9622     1.0000
  Hrad:
```

0.0167 0.0333 0.0500 0.0667 0.0833
0.1000 0.1167 0.1333 0.1500 0.1667
0.1833 0.2000 0.2167 0.2333 0.2500
0.2667 0.2833 0.3000 0.3167 0.3333
0.3500 0.3667 0.3833 0.4000 0.4167
0.4333 0.4500 0.4667 0.4833 0.5000
0.5167 0.5333 0.5500 0.5667 0.5833
0.6000 0.6167 0.6415 0.6745 0.7074
0.7403 0.7731 0.8049 0.8355 0.8651
0.8938 0.9216 0.9485 0.9746 1.0000
Width:
0.0216 0.0432 0.0649 0.0865 0.1081
0.1297 0.1514 0.1730 0.1946 0.2162
0.2378 0.2595 0.2811 0.3027 0.3243
0.3459 0.3676 0.3892 0.4108 0.4324
0.4541 0.4757 0.4973 0.5189 0.5405
0.5622 0.5838 0.6054 0.6270 0.6486
0.6703 0.6919 0.7135 0.7351 0.7568
0.7784 0.8000 0.8108 0.8108 0.8108
0.8108 0.8270 0.8486 0.8703 0.8919
0.9135 0.9351 0.9568 0.9784 1.0000

Transect Street1-ValleyGutters
Area:
0.0002 0.0007 0.0015 0.0026 0.0041
0.0059 0.0081 0.0105 0.0133 0.0165
0.0199 0.0237 0.0278 0.0323 0.0371
0.0422 0.0476 0.0534 0.0594 0.0659
0.0726 0.0799 0.0890 0.0998 0.1124
0.1269 0.1432 0.1613 0.1812 0.2029
0.2265 0.2518 0.2790 0.3080 0.3389
0.3715 0.4060 0.4423 0.4804 0.5203
0.5620 0.6056 0.6510 0.6970 0.7430
0.7901 0.8394 0.8908 0.9443 1.0000
Hrad:
0.0242 0.0484 0.0726 0.0968 0.1210
0.1452 0.1694 0.1936 0.2178 0.2420
0.2661 0.2903 0.3145 0.3387 0.3629
0.3871 0.4113 0.4355 0.4597 0.4839
0.5081 0.4784 0.4353 0.4131 0.4033
0.4016 0.4053 0.4131 0.4237 0.4365
0.4511 0.4670 0.4840 0.5020 0.5206
0.5399 0.5597 0.5800 0.6006 0.6216
0.6429 0.6645 0.6900 0.7381 0.7861
0.8333 0.8779 0.9203 0.9609 1.0000
Width:
0.0058 0.0116 0.0174 0.0232 0.0290
0.0348 0.0406 0.0464 0.0522 0.0580
0.0638 0.0696 0.0754 0.0812 0.0870
0.0928 0.0986 0.1044 0.1102 0.1160
0.1218 0.1426 0.1747 0.2067 0.2387
0.2708 0.3028 0.3348 0.3669 0.3989
0.4310 0.4630 0.4950 0.5271 0.5591
0.5911 0.6232 0.6552 0.6872 0.7193
0.7513 0.7834 0.8108 0.8108 0.8108
0.8486 0.8865 0.9243 0.9622 1.0000

Transect Trous1

Area:

0.0164	0.0352	0.0541	0.0730	0.0920
0.1110	0.1300	0.1492	0.1683	0.1876
0.2069	0.2262	0.2456	0.2650	0.2845
0.3041	0.3237	0.3434	0.3631	0.3828
0.4027	0.4225	0.4425	0.4624	0.4825
0.5026	0.5227	0.5429	0.5632	0.5835
0.6038	0.6242	0.6447	0.6652	0.6858
0.7064	0.7271	0.7478	0.7686	0.7894
0.8103	0.8313	0.8523	0.8733	0.8943
0.9154	0.9365	0.9576	0.9787	1.0000

Hrad:

0.0309	0.0651	0.0983	0.1305	0.1618
0.1922	0.2217	0.2504	0.2784	0.3056
0.3321	0.3580	0.3832	0.4078	0.4317
0.4552	0.4780	0.5004	0.5222	0.5436
0.5644	0.5849	0.6049	0.6245	0.6437
0.6625	0.6809	0.6989	0.7167	0.7340
0.7511	0.7678	0.7843	0.8004	0.8163
0.8319	0.8472	0.8622	0.8770	0.8916
0.9059	0.9206	0.9392	0.9575	0.9758
0.9938	1.0118	1.0295	1.0472	1.0000

Width:

0.8047	0.8070	0.8093	0.8116	0.8139
0.8162	0.8185	0.8208	0.8231	0.8254
0.8277	0.8300	0.8323	0.8346	0.8369
0.8392	0.8415	0.8438	0.8461	0.8484
0.8507	0.8530	0.8553	0.8576	0.8599
0.8622	0.8645	0.8668	0.8691	0.8714
0.8737	0.8760	0.8783	0.8806	0.8829
0.8852	0.8875	0.8898	0.8921	0.8944
0.8966	0.8988	0.8999	0.9010	0.9021
0.9032	0.9043	0.9054	0.9066	1.0000

Transect Trous10

Area:

0.0105	0.0234	0.0364	0.0495	0.0626
0.0758	0.0891	0.1025	0.1159	0.1294
0.1430	0.1567	0.1704	0.1842	0.1981
0.2121	0.2261	0.2402	0.2544	0.2687
0.2830	0.2974	0.3119	0.3264	0.3411
0.3558	0.3706	0.3863	0.4052	0.4254
0.4467	0.4692	0.4928	0.5177	0.5438
0.5711	0.5995	0.6292	0.6597	0.6903
0.7209	0.7516	0.7822	0.8129	0.8437
0.8745	0.9055	0.9366	0.9678	1.0000

Hrad:

0.0418	0.0895	0.1341	0.1759	0.2151
0.2521	0.2869	0.3199	0.3512	0.3809
0.4091	0.4360	0.4617	0.4863	0.5099
0.5324	0.5541	0.5750	0.5950	0.6144
0.6331	0.6511	0.6686	0.6855	0.7018
0.7177	0.7331	0.6667	0.6676	0.6703
0.6746	0.6802	0.6871	0.6951	0.7041
0.7139	0.7245	0.7358	0.7619	0.7928
0.8234	0.8537	0.8836	0.9133	0.9427

0.9717 1.0002 1.0284 1.0562 1.0000

Width:

0.3622 0.3643 0.3664 0.3685 0.3706
0.3727 0.3748 0.3769 0.3790 0.3811
0.3832 0.3853 0.3874 0.3895 0.3916
0.3937 0.3958 0.3979 0.4000 0.4021
0.4042 0.4063 0.4084 0.4106 0.4127
0.4148 0.4169 0.5153 0.5489 0.5824
0.6160 0.6495 0.6831 0.7167 0.7502
0.7838 0.8173 0.8509 0.8603 0.8611
0.8618 0.8626 0.8634 0.8642 0.8662
0.8695 0.8728 0.8761 0.8794 1.0000

Transect Trous2

Area:

0.0100 0.0288 0.0477 0.0667 0.0857
0.1047 0.1238 0.1430 0.1622 0.1815
0.2008 0.2202 0.2397 0.2592 0.2788
0.2984 0.3181 0.3379 0.3577 0.3775
0.3975 0.4174 0.4375 0.4576 0.4777
0.4980 0.5182 0.5386 0.5589 0.5794
0.5999 0.6204 0.6411 0.6617 0.6825
0.7033 0.7241 0.7450 0.7660 0.7870
0.8081 0.8292 0.8504 0.8717 0.8930
0.9143 0.9357 0.9571 0.9785 1.0000

Hrad:

0.0187 0.0529 0.0860 0.1180 0.1489
0.1789 0.2080 0.2362 0.2635 0.2901
0.3159 0.3410 0.3655 0.3892 0.4124
0.4349 0.4569 0.4783 0.4992 0.5197
0.5396 0.5590 0.5781 0.5967 0.6149
0.6327 0.6501 0.6671 0.6838 0.7002
0.7163 0.7320 0.7474 0.7625 0.7774
0.7920 0.8063 0.8204 0.8342 0.8478
0.8611 0.8742 0.8871 0.8999 0.9162
0.9332 0.9501 0.9669 0.9835 1.0000

Width:

0.8751 0.8778 0.8805 0.8832 0.8859
0.8886 0.8913 0.8940 0.8967 0.8994
0.9021 0.9048 0.9075 0.9102 0.9129
0.9156 0.9183 0.9210 0.9237 0.9264
0.9291 0.9318 0.9345 0.9372 0.9399
0.9426 0.9453 0.9480 0.9507 0.9534
0.9561 0.9588 0.9615 0.9642 0.9669
0.9696 0.9723 0.9750 0.9777 0.9804
0.9831 0.9858 0.9886 0.9913 0.9929
0.9943 0.9957 0.9972 0.9986 1.0000

Transect Trous3

Area:

0.0013 0.0050 0.0113 0.0202 0.0315
0.0454 0.0617 0.0792 0.0973 0.1160
0.1353 0.1552 0.1756 0.1966 0.2176
0.2387 0.2599 0.2812 0.3025 0.3239
0.3454 0.3670 0.3886 0.4103 0.4321
0.4539 0.4758 0.4978 0.5199 0.5420
0.5643 0.5865 0.6089 0.6313 0.6538

0.6764 0.6991 0.7218 0.7446 0.7675
0.7904 0.8134 0.8365 0.8597 0.8829
0.9062 0.9296 0.9530 0.9765 1.0000
Hrad:
0.0153 0.0306 0.0458 0.0611 0.0764
0.0917 0.1094 0.1351 0.1598 0.1837
0.2068 0.2293 0.2512 0.2760 0.3019
0.3274 0.3524 0.3770 0.4011 0.4247
0.4479 0.4708 0.4932 0.5152 0.5369
0.5582 0.5792 0.5999 0.6202 0.6402
0.6598 0.6792 0.6983 0.7171 0.7357
0.7540 0.7720 0.7898 0.8073 0.8246
0.8416 0.8584 0.8751 0.8915 0.9076
0.9236 0.9416 0.9612 0.9807 1.0000
Width:
0.1071 0.2143 0.3214 0.4286 0.5357
0.6429 0.7313 0.7564 0.7816 0.8067
0.8319 0.8570 0.8822 0.8927 0.8958
0.8989 0.9020 0.9051 0.9082 0.9113
0.9144 0.9175 0.9206 0.9238 0.9269
0.9300 0.9331 0.9362 0.9393 0.9424
0.9455 0.9486 0.9517 0.9548 0.9579
0.9610 0.9641 0.9672 0.9703 0.9734
0.9765 0.9796 0.9827 0.9858 0.9890
0.9921 0.9944 0.9963 0.9981 1.0000

Transect Trous4
Area:
0.0106 0.0218 0.0334 0.0454 0.0577
0.0705 0.0836 0.0971 0.1110 0.1252
0.1399 0.1549 0.1703 0.1861 0.2023
0.2188 0.2358 0.2531 0.2708 0.2889
0.3073 0.3261 0.3454 0.3650 0.3850
0.4053 0.4261 0.4472 0.4687 0.4906
0.5128 0.5355 0.5585 0.5819 0.6057
0.6299 0.6545 0.6794 0.7047 0.7304
0.7565 0.7829 0.8094 0.8362 0.8630
0.8901 0.9173 0.9447 0.9723 1.0000
Hrad:
0.0401 0.0779 0.1132 0.1461 0.1772
0.2066 0.2345 0.2611 0.2866 0.3112
0.3348 0.3576 0.3798 0.4013 0.4222
0.4425 0.4625 0.4819 0.5010 0.5197
0.5381 0.5561 0.5739 0.5914 0.6087
0.6257 0.6425 0.6592 0.6756 0.6919
0.7080 0.7239 0.7397 0.7554 0.7709
0.7864 0.8017 0.8169 0.8320 0.8470
0.8619 0.8782 0.8944 0.9103 0.9259
0.9412 0.9562 0.9711 0.9856 1.0000
Width:
0.3964 0.4101 0.4238 0.4375 0.4512
0.4649 0.4786 0.4923 0.5060 0.5197
0.5334 0.5471 0.5609 0.5746 0.5883
0.6020 0.6157 0.6294 0.6431 0.6568
0.6705 0.6842 0.6979 0.7116 0.7254
0.7391 0.7528 0.7665 0.7802 0.7939
0.8076 0.8213 0.8350 0.8487 0.8624

0.8761 0.8899 0.9036 0.9173 0.9310
0.9447 0.9517 0.9577 0.9637 0.9698
0.9758 0.9819 0.9879 0.9940 1.0000

Transect Trous4-5
Area:
0.0102 0.0213 0.0331 0.0456 0.0588
0.0725 0.0867 0.1015 0.1169 0.1327
0.1488 0.1653 0.1820 0.1990 0.2163
0.2339 0.2519 0.2701 0.2886 0.3074
0.3265 0.3459 0.3656 0.3856 0.4060
0.4266 0.4475 0.4687 0.4902 0.5120
0.5341 0.5565 0.5792 0.6022 0.6256
0.6492 0.6731 0.6973 0.7217 0.7463
0.7710 0.7959 0.8209 0.8460 0.8713
0.8968 0.9224 0.9481 0.9740 1.0000
Hrad:
0.0428 0.0822 0.1183 0.1519 0.1843
0.2148 0.2436 0.2710 0.2973 0.3248
0.3513 0.3767 0.4011 0.4245 0.4471
0.4690 0.4902 0.5107 0.5306 0.5500
0.5689 0.5874 0.6054 0.6230 0.6403
0.6573 0.6739 0.6902 0.7063 0.7221
0.7376 0.7529 0.7681 0.7830 0.7977
0.8122 0.8266 0.8408 0.8556 0.8700
0.8842 0.8981 0.9117 0.9250 0.9381
0.9509 0.9635 0.9759 0.9880 1.0000
Width:
0.4105 0.4385 0.4665 0.4937 0.5148
0.5360 0.5572 0.5784 0.5996 0.6121
0.6235 0.6350 0.6465 0.6580 0.6695
0.6809 0.6924 0.7039 0.7154 0.7269
0.7383 0.7498 0.7613 0.7728 0.7843
0.7957 0.8072 0.8187 0.8302 0.8417
0.8531 0.8646 0.8761 0.8876 0.8990
0.9105 0.9220 0.9335 0.9393 0.9449
0.9504 0.9559 0.9614 0.9669 0.9724
0.9779 0.9835 0.9890 0.9945 1.0000

Transect Trous5
Area:
0.0140 0.0285 0.0432 0.0582 0.0734
0.0889 0.1046 0.1205 0.1368 0.1532
0.1699 0.1868 0.2040 0.2215 0.2392
0.2571 0.2753 0.2937 0.3124 0.3313
0.3504 0.3699 0.3895 0.4094 0.4296
0.4500 0.4706 0.4915 0.5126 0.5340
0.5556 0.5775 0.5996 0.6220 0.6446
0.6674 0.6904 0.7134 0.7366 0.7599
0.7834 0.8070 0.8306 0.8545 0.8784
0.9025 0.9267 0.9510 0.9754 1.0000
Hrad:
0.0512 0.0988 0.1424 0.1828 0.2202
0.2552 0.2880 0.3188 0.3480 0.3755
0.4018 0.4268 0.4507 0.4736 0.4956
0.5168 0.5372 0.5569 0.5760 0.5945
0.6125 0.6300 0.6470 0.6636 0.6798

0.6957 0.7112 0.7264 0.7412 0.7558
0.7702 0.7843 0.7981 0.8118 0.8252
0.8387 0.8519 0.8648 0.8774 0.8897
0.9018 0.9136 0.9251 0.9364 0.9475
0.9584 0.9691 0.9796 0.9899 1.0000
Width:
0.5828 0.5928 0.6028 0.6128 0.6229
0.6329 0.6429 0.6529 0.6629 0.6729
0.6829 0.6929 0.7029 0.7129 0.7229
0.7329 0.7430 0.7530 0.7630 0.7730
0.7830 0.7930 0.8030 0.8130 0.8230
0.8330 0.8430 0.8530 0.8631 0.8731
0.8831 0.8931 0.9031 0.9131 0.9231
0.9288 0.9339 0.9389 0.9440 0.9491
0.9542 0.9593 0.9644 0.9695 0.9746
0.9796 0.9847 0.9898 0.9949 1.0000

Transect Trous6
Area:
0.0118 0.0283 0.0451 0.0620 0.0790
0.0962 0.1136 0.1312 0.1489 0.1667
0.1848 0.2030 0.2213 0.2398 0.2585
0.2774 0.2964 0.3155 0.3349 0.3544
0.3740 0.3938 0.4138 0.4340 0.4543
0.4748 0.4954 0.5162 0.5371 0.5583
0.5795 0.6010 0.6226 0.6444 0.6662
0.6881 0.7101 0.7321 0.7542 0.7763
0.7984 0.8206 0.8429 0.8652 0.8875
0.9099 0.9324 0.9549 0.9774 1.0000
Hrad:
0.0350 0.0804 0.1222 0.1609 0.1969
0.2305 0.2619 0.2914 0.3192 0.3455
0.3704 0.3940 0.4165 0.4380 0.4585
0.4781 0.4969 0.5150 0.5325 0.5493
0.5655 0.5812 0.5964 0.6111 0.6253
0.6392 0.6527 0.6659 0.6787 0.6912
0.7033 0.7153 0.7269 0.7389 0.7571
0.7749 0.7925 0.8098 0.8269 0.8438
0.8604 0.8767 0.8929 0.9088 0.9245
0.9400 0.9553 0.9704 0.9853 1.0000
Width:
0.7292 0.7364 0.7435 0.7507 0.7579
0.7651 0.7723 0.7795 0.7867 0.7939
0.8011 0.8082 0.8154 0.8226 0.8298
0.8370 0.8442 0.8514 0.8586 0.8658
0.8730 0.8801 0.8873 0.8945 0.9017
0.9089 0.9161 0.9233 0.9305 0.9377
0.9449 0.9520 0.9592 0.9660 0.9681
0.9702 0.9724 0.9745 0.9766 0.9787
0.9809 0.9830 0.9851 0.9872 0.9894
0.9915 0.9936 0.9957 0.9979 1.0000

Transect Trous7
Area:
0.0061 0.0199 0.0341 0.0484 0.0629
0.0775 0.0924 0.1074 0.1226 0.1379
0.1534 0.1691 0.1850 0.2010 0.2172

0.2336 0.2501 0.2668 0.2837 0.3008
0.3180 0.3354 0.3530 0.3708 0.3887
0.4068 0.4250 0.4435 0.4621 0.4809
0.5003 0.5246 0.5503 0.5761 0.6020
0.6279 0.6539 0.6800 0.7062 0.7325
0.7589 0.7853 0.8119 0.8385 0.8652
0.8920 0.9189 0.9458 0.9729 1.0000
Hrad:
0.0247 0.0677 0.1102 0.1493 0.1854
0.2191 0.2504 0.2798 0.3074 0.3335
0.3581 0.3815 0.4037 0.4249 0.4452
0.4646 0.4832 0.5011 0.5183 0.5350
0.5510 0.5666 0.5817 0.5963 0.6105
0.6243 0.6378 0.6509 0.6637 0.6763
0.6876 0.6057 0.6299 0.6539 0.6775
0.7008 0.7239 0.7467 0.7691 0.7914
0.8133 0.8350 0.8564 0.8776 0.8986
0.9193 0.9398 0.9601 0.9802 1.0000
Width:
0.4484 0.5174 0.5237 0.5300 0.5363
0.5427 0.5490 0.5553 0.5616 0.5679
0.5743 0.5806 0.5869 0.5932 0.5995
0.6059 0.6122 0.6185 0.6248 0.6311
0.6375 0.6438 0.6501 0.6564 0.6627
0.6691 0.6754 0.6817 0.6880 0.6943
0.7926 0.9439 0.9470 0.9501 0.9533
0.9564 0.9595 0.9626 0.9657 0.9688
0.9720 0.9751 0.9782 0.9813 0.9844
0.9875 0.9907 0.9938 0.9969 1.0000

Transect Trous8
Area:
0.0033 0.0131 0.0288 0.0454 0.0621
0.0789 0.0957 0.1127 0.1298 0.1469
0.1642 0.1815 0.1989 0.2164 0.2341
0.2518 0.2696 0.2875 0.3054 0.3235
0.3417 0.3599 0.3783 0.3967 0.4153
0.4339 0.4526 0.4714 0.4903 0.5093
0.5287 0.5528 0.5770 0.6014 0.6257
0.6502 0.6746 0.6992 0.7237 0.7483
0.7730 0.7977 0.8225 0.8473 0.8722
0.8972 0.9223 0.9476 0.9730 1.0000
Hrad:
0.0295 0.0590 0.1005 0.1516 0.1987
0.2424 0.2829 0.3208 0.3562 0.3893
0.4206 0.4500 0.4778 0.5042 0.5292
0.5530 0.5756 0.5973 0.6179 0.6377
0.6567 0.6750 0.6925 0.7094 0.7256
0.7414 0.7565 0.7712 0.7855 0.7992
0.8119 0.7478 0.7738 0.7994 0.8247
0.8496 0.8742 0.8984 0.9222 0.9458
0.9690 0.9919 1.0145 1.0368 1.0588
1.0804 1.1016 1.1223 1.1426 1.0000
Width:
0.2136 0.4271 0.5388 0.5418 0.5448
0.5478 0.5508 0.5538 0.5568 0.5598
0.5628 0.5658 0.5688 0.5717 0.5747

0.5777 0.5807 0.5837 0.5867 0.5897
0.5927 0.5957 0.5987 0.6017 0.6047
0.6077 0.6107 0.6137 0.6166 0.6196
0.7171 0.7893 0.7909 0.7925 0.7941
0.7957 0.7973 0.7989 0.8005 0.8021
0.8037 0.8053 0.8069 0.8085 0.8101
0.8152 0.8203 0.8254 0.8305 1.0000

Transect Trousd3_copy
Area:
0.0014 0.0055 0.0124 0.0221 0.0346
0.0498 0.0677 0.0866 0.1058 0.1251
0.1448 0.1646 0.1847 0.2050 0.2255
0.2460 0.2666 0.2873 0.3081 0.3290
0.3500 0.3710 0.3922 0.4135 0.4349
0.4563 0.4779 0.4996 0.5213 0.5432
0.5651 0.5871 0.6093 0.6315 0.6538
0.6763 0.6988 0.7214 0.7441 0.7669
0.7898 0.8128 0.8359 0.8591 0.8824
0.9058 0.9292 0.9528 0.9764 1.0000
Hrad:
0.0165 0.0329 0.0494 0.0659 0.0823
0.0988 0.1185 0.1483 0.1774 0.2056
0.2332 0.2600 0.2862 0.3124 0.3383
0.3636 0.3883 0.4125 0.4360 0.4591
0.4816 0.5037 0.5253 0.5464 0.5672
0.5875 0.6074 0.6269 0.6461 0.6649
0.6834 0.7015 0.7193 0.7368 0.7541
0.7710 0.7877 0.8041 0.8202 0.8361
0.8517 0.8671 0.8823 0.8973 0.9121
0.9266 0.9437 0.9626 0.9814 1.0000
Width:
0.1169 0.2337 0.3506 0.4674 0.5843
0.7011 0.7936 0.8037 0.8138 0.8239
0.8340 0.8441 0.8542 0.8603 0.8644
0.8684 0.8725 0.8765 0.8805 0.8846
0.8886 0.8927 0.8967 0.9007 0.9048
0.9088 0.9129 0.9169 0.9210 0.9250
0.9290 0.9331 0.9371 0.9412 0.9452
0.9492 0.9533 0.9573 0.9614 0.9654
0.9695 0.9735 0.9775 0.9816 0.9856
0.9897 0.9928 0.9952 0.9976 1.0000

Transect XS1
Area:
0.0031 0.0099 0.0193 0.0310 0.0452
0.0613 0.0778 0.0944 0.1114 0.1285
0.1459 0.1635 0.1814 0.1995 0.2178
0.2363 0.2551 0.2741 0.2934 0.3129
0.3326 0.3525 0.3727 0.3931 0.4137
0.4346 0.4557 0.4770 0.4986 0.5204
0.5424 0.5647 0.5872 0.6099 0.6329
0.6561 0.6795 0.7032 0.7271 0.7512
0.7754 0.7998 0.8243 0.8489 0.8738
0.8987 0.9238 0.9491 0.9745 1.0000
Hrad:
0.0178 0.0399 0.0590 0.0769 0.0942

0.1195 0.1480 0.1756 0.2023 0.2283
0.2536 0.2782 0.3021 0.3254 0.3482
0.3705 0.3922 0.4135 0.4343 0.4548
0.4748 0.4944 0.5137 0.5327 0.5513
0.5696 0.5876 0.6054 0.6229 0.6401
0.6571 0.6739 0.6904 0.7067 0.7229
0.7388 0.7546 0.7701 0.7856 0.8057
0.8257 0.8455 0.8653 0.8849 0.9043
0.9237 0.9430 0.9621 0.9811 1.0000

Width:

0.2207 0.3159 0.4110 0.5062 0.6014
0.6380 0.6471 0.6562 0.6652 0.6743
0.6834 0.6925 0.7015 0.7106 0.7197
0.7287 0.7378 0.7469 0.7559 0.7650
0.7741 0.7831 0.7922 0.8013 0.8104
0.8194 0.8285 0.8376 0.8466 0.8557
0.8648 0.8738 0.8829 0.8920 0.9011
0.9101 0.9192 0.9283 0.9373 0.9430
0.9487 0.9544 0.9601 0.9658 0.9715
0.9772 0.9829 0.9886 0.9943 1.0000

Transect XS10

Area:

0.0112 0.0249 0.0387 0.0526 0.0667
0.0809 0.0953 0.1097 0.1244 0.1392
0.1541 0.1691 0.1843 0.1997 0.2152
0.2308 0.2466 0.2625 0.2785 0.2947
0.3110 0.3275 0.3441 0.3609 0.3778
0.3948 0.4120 0.4293 0.4468 0.4644
0.4821 0.5000 0.5193 0.5440 0.5695
0.5951 0.6207 0.6464 0.6722 0.6981
0.7241 0.7502 0.7763 0.8025 0.8299
0.8595 0.8913 0.9253 0.9616 1.0000

Hrad:

0.0424 0.0908 0.1365 0.1799 0.2212
0.2604 0.2979 0.3337 0.3680 0.4009
0.4325 0.4630 0.4923 0.5206 0.5479
0.5744 0.6000 0.6248 0.6489 0.6724
0.6952 0.7174 0.7390 0.7601 0.7807
0.8008 0.8204 0.8397 0.8585 0.8769
0.8950 0.9128 0.8158 0.7789 0.8100
0.8408 0.8713 0.9016 0.9316 0.9613
0.9907 1.0199 1.0489 1.0769 1.0536
1.0354 1.0214 1.0112 1.0042 1.0000

Width:

0.3435 0.3471 0.3506 0.3542 0.3578
0.3613 0.3649 0.3684 0.3720 0.3756
0.3791 0.3827 0.3863 0.3898 0.3934
0.3970 0.4005 0.4041 0.4077 0.4112
0.4148 0.4184 0.4219 0.4255 0.4291
0.4326 0.4362 0.4398 0.4433 0.4469
0.4505 0.4540 0.5655 0.6434 0.6454
0.6475 0.6496 0.6517 0.6538 0.6559
0.6579 0.6600 0.6621 0.6649 0.7207
0.7766 0.8324 0.8883 0.9441 1.0000

Transect XS11

Area:

0.0103	0.0224	0.0348	0.0476	0.0608
0.0744	0.0883	0.1025	0.1172	0.1322
0.1475	0.1632	0.1793	0.1957	0.2125
0.2297	0.2472	0.2651	0.2833	0.3019
0.3209	0.3403	0.3599	0.3800	0.4004
0.4212	0.4423	0.4638	0.4857	0.5079
0.5305	0.5535	0.5768	0.6005	0.6245
0.6488	0.6733	0.6978	0.7224	0.7472
0.7720	0.7969	0.8220	0.8471	0.8723
0.8977	0.9231	0.9486	0.9743	1.0000

Hrad:

0.0392	0.0805	0.1186	0.1540	0.1872
0.2183	0.2477	0.2756	0.3022	0.3276
0.3520	0.3755	0.3981	0.4200	0.4412
0.4618	0.4818	0.5013	0.5204	0.5391
0.5573	0.5752	0.5928	0.6101	0.6271
0.6438	0.6603	0.6766	0.6927	0.7085
0.7242	0.7397	0.7550	0.7702	0.7853
0.8016	0.8180	0.8340	0.8496	0.8649
0.8798	0.8943	0.9085	0.9224	0.9360
0.9494	0.9624	0.9752	0.9877	1.0000

Width:

0.4621	0.4761	0.4902	0.5042	0.5183
0.5323	0.5463	0.5604	0.5744	0.5884
0.6025	0.6165	0.6306	0.6446	0.6586
0.6727	0.6867	0.7008	0.7148	0.7288
0.7429	0.7569	0.7709	0.7850	0.7990
0.8131	0.8271	0.8411	0.8552	0.8692
0.8832	0.8973	0.9113	0.9254	0.9394
0.9460	0.9499	0.9537	0.9576	0.9614
0.9653	0.9691	0.9730	0.9769	0.9807
0.9846	0.9884	0.9923	0.9961	1.0000

Transect XS13

Area:

0.0017	0.0067	0.0151	0.0269	0.0418
0.0579	0.0741	0.0905	0.1071	0.1239
0.1409	0.1580	0.1754	0.1930	0.2108
0.2288	0.2469	0.2653	0.2838	0.3026
0.3215	0.3407	0.3600	0.3796	0.3993
0.4192	0.4394	0.4597	0.4802	0.5009
0.5218	0.5429	0.5642	0.5857	0.6074
0.6293	0.6514	0.6737	0.6961	0.7188
0.7417	0.7647	0.7880	0.8115	0.8351
0.8591	0.8865	0.9203	0.9586	1.0000

Hrad:

0.0261	0.0523	0.0784	0.1045	0.1369
0.1843	0.2299	0.2738	0.3161	0.3571
0.3966	0.4349	0.4721	0.5081	0.5432
0.5772	0.6104	0.6427	0.6742	0.7050
0.7350	0.7644	0.7932	0.8213	0.8489
0.8759	0.9025	0.9285	0.9541	0.9792
1.0039	1.0283	1.0522	1.0758	1.0990
1.1219	1.1445	1.1667	1.1887	1.2104
1.2318	1.2530	1.2739	1.2946	1.3151
1.2909	1.1643	1.0434	1.0187	1.0000

Width:

0.0781	0.1561	0.2342	0.3123	0.3700
0.3746	0.3791	0.3837	0.3882	0.3928
0.3973	0.4019	0.4065	0.4110	0.4156
0.4201	0.4247	0.4292	0.4338	0.4383
0.4429	0.4474	0.4520	0.4565	0.4611
0.4657	0.4702	0.4748	0.4793	0.4839
0.4884	0.4930	0.4975	0.5021	0.5066
0.5112	0.5157	0.5203	0.5249	0.5294
0.5340	0.5385	0.5431	0.5476	0.5522
0.5852	0.7023	0.8528	0.9264	1.0000

Transect XS14

Area:

0.0017	0.0067	0.0151	0.0269	0.0418
0.0579	0.0741	0.0905	0.1071	0.1239
0.1409	0.1580	0.1754	0.1930	0.2108
0.2288	0.2469	0.2653	0.2838	0.3026
0.3215	0.3407	0.3600	0.3796	0.3993
0.4192	0.4394	0.4597	0.4802	0.5009
0.5218	0.5429	0.5642	0.5857	0.6074
0.6293	0.6514	0.6737	0.6961	0.7188
0.7417	0.7647	0.7880	0.8115	0.8351
0.8591	0.8865	0.9203	0.9586	1.0000

Hrad:

0.0187	0.0374	0.0560	0.0747	0.0978
0.1317	0.1643	0.1957	0.2260	0.2552
0.2835	0.3109	0.3374	0.3632	0.3882
0.4126	0.4363	0.4594	0.4819	0.5039
0.5254	0.5464	0.5669	0.5871	0.6068
0.6261	0.6451	0.6637	0.6820	0.6999
0.7176	0.7350	0.7521	0.7689	0.7855
0.8019	0.8180	0.8340	0.8497	0.8652
0.8805	0.8956	0.9106	0.9254	0.9400
0.9562	0.9734	0.9858	0.9940	1.0000

Width:

0.0781	0.1561	0.2342	0.3123	0.3700
0.3746	0.3791	0.3837	0.3882	0.3928
0.3973	0.4019	0.4065	0.4110	0.4156
0.4201	0.4247	0.4292	0.4338	0.4383
0.4429	0.4474	0.4520	0.4565	0.4611
0.4657	0.4702	0.4748	0.4793	0.4839
0.4884	0.4930	0.4975	0.5021	0.5066
0.5112	0.5157	0.5203	0.5249	0.5294
0.5340	0.5385	0.5431	0.5476	0.5522
0.5852	0.7023	0.8528	0.9264	1.0000

Transect XS15

Area:

0.0010	0.0041	0.0092	0.0164	0.0255
0.0361	0.0475	0.0598	0.0730	0.0869
0.1011	0.1155	0.1302	0.1451	0.1602
0.1756	0.1912	0.2070	0.2231	0.2394
0.2560	0.2728	0.2898	0.3071	0.3246
0.3424	0.3604	0.3786	0.3971	0.4158
0.4347	0.4539	0.4734	0.4939	0.5153
0.5378	0.5619	0.5877	0.6153	0.6446

0.6756 0.7082 0.7417 0.7761 0.8113
0.8474 0.8843 0.9220 0.9606 1.0000
Hrad:
0.0185 0.0369 0.0554 0.0738 0.0930
0.1201 0.1455 0.1697 0.1928 0.2198
0.2484 0.2760 0.3027 0.3285 0.3536
0.3779 0.4015 0.4245 0.4469 0.4687
0.4901 0.5110 0.5314 0.5514 0.5710
0.5902 0.6091 0.6277 0.6459 0.6639
0.6816 0.6990 0.7196 0.7413 0.7612
0.7825 0.8042 0.8234 0.8405 0.8557
0.8693 0.8827 0.8968 0.9112 0.9257
0.9404 0.9551 0.9700 0.9850 1.0000
Width:
0.0513 0.1026 0.1539 0.2052 0.2543
0.2761 0.2979 0.3196 0.3414 0.3530
0.3590 0.3650 0.3709 0.3769 0.3829
0.3888 0.3948 0.4008 0.4068 0.4127
0.4187 0.4247 0.4307 0.4366 0.4426
0.4486 0.4545 0.4605 0.4665 0.4725
0.4784 0.4844 0.5008 0.5253 0.5498
0.5839 0.6271 0.6704 0.7136 0.7569
0.8002 0.8312 0.8523 0.8734 0.8945
0.9156 0.9367 0.9578 0.9789 1.0000

Transect XS16
Area:
0.0009 0.0036 0.0081 0.0144 0.0225
0.0324 0.0440 0.0572 0.0711 0.0853
0.0999 0.1149 0.1302 0.1459 0.1619
0.1783 0.1951 0.2123 0.2298 0.2476
0.2658 0.2844 0.3034 0.3227 0.3424
0.3624 0.3828 0.4036 0.4247 0.4462
0.4681 0.4903 0.5129 0.5358 0.5591
0.5828 0.6069 0.6313 0.6560 0.6811
0.7066 0.7325 0.7588 0.7865 0.8155
0.8459 0.8776 0.9108 0.9484 1.0000
Hrad:
0.0290 0.0580 0.0870 0.1160 0.1451
0.1741 0.2031 0.2418 0.2892 0.3346
0.3783 0.4204 0.4611 0.5005 0.5387
0.5758 0.6119 0.6471 0.6814 0.7151
0.7480 0.7802 0.8118 0.8429 0.8735
0.9036 0.9332 0.9624 0.9911 1.0196
1.0476 1.0754 1.1028 1.1300 1.1568
1.1834 1.2098 1.2359 1.2618 1.2875
1.3130 1.3383 1.3441 1.3354 1.3297
1.3266 1.3258 1.3271 0.9691 1.0000
Width:
0.0345 0.0690 0.1035 0.1380 0.1725
0.2070 0.2415 0.2626 0.2697 0.2767
0.2836 0.2906 0.2975 0.3045 0.3115
0.3184 0.3254 0.3324 0.3393 0.3463
0.3533 0.3602 0.3672 0.3742 0.3811
0.3881 0.3951 0.4020 0.4090 0.4160
0.4229 0.4299 0.4369 0.4438 0.4508
0.4578 0.4647 0.4717 0.4787 0.4856

0.4926 0.4996 0.5169 0.5434 0.5699
0.5963 0.6228 0.6493 0.9795 1.0000

Transect XS17
Area:
0.0017 0.0070 0.0146 0.0240 0.0343
0.0451 0.0565 0.0684 0.0809 0.0938
0.1074 0.1214 0.1360 0.1509 0.1662
0.1818 0.1978 0.2140 0.2307 0.2477
0.2650 0.2827 0.3007 0.3191 0.3378
0.3568 0.3762 0.3960 0.4160 0.4366
0.4599 0.4862 0.5129 0.5398 0.5669
0.5942 0.6216 0.6493 0.6772 0.7052
0.7335 0.7619 0.7905 0.8194 0.8484
0.8776 0.9073 0.9376 0.9685 1.0000
Hrad:
0.0169 0.0347 0.0575 0.0804 0.1081
0.1344 0.1595 0.1835 0.2067 0.2291
0.2509 0.2720 0.2946 0.3176 0.3401
0.3620 0.3835 0.4045 0.4251 0.4453
0.4652 0.4847 0.5040 0.5229 0.5416
0.5600 0.5782 0.5962 0.6139 0.6325
0.6505 0.6641 0.6789 0.6946 0.7109
0.7277 0.7448 0.7621 0.7796 0.7973
0.8150 0.8327 0.8504 0.8682 0.8859
0.9059 0.9305 0.9544 0.9775 1.0000
Width:
0.1100 0.2136 0.2693 0.3151 0.3321
0.3491 0.3661 0.3832 0.4002 0.4172
0.4343 0.4513 0.4643 0.4751 0.4860
0.4968 0.5076 0.5185 0.5293 0.5401
0.5510 0.5618 0.5726 0.5835 0.5943
0.6051 0.6159 0.6268 0.6376 0.6720
0.7952 0.8375 0.8436 0.8497 0.8557
0.8618 0.8679 0.8740 0.8800 0.8861
0.8922 0.8983 0.9043 0.9104 0.9165
0.9264 0.9448 0.9632 0.9816 1.0000

Transect XS18
Area:
0.0011 0.0041 0.0083 0.0132 0.0191
0.0257 0.0332 0.0414 0.0501 0.0593
0.0690 0.0793 0.0900 0.1012 0.1130
0.1253 0.1388 0.1539 0.1704 0.1885
0.2082 0.2293 0.2517 0.2744 0.2974
0.3213 0.3454 0.3699 0.3947 0.4198
0.4453 0.4710 0.4971 0.5234 0.5501
0.5771 0.6045 0.6321 0.6600 0.6883
0.7169 0.7458 0.7750 0.8046 0.8351
0.8664 0.8985 0.9315 0.9653 1.0000
Hrad:
0.0166 0.0366 0.0588 0.0786 0.0971
0.1147 0.1318 0.1515 0.1710 0.1895
0.2074 0.2247 0.2415 0.2579 0.2739
0.2846 0.2843 0.2869 0.2917 0.2981
0.3059 0.3147 0.3343 0.3605 0.3869
0.4153 0.4434 0.4711 0.4986 0.5257

0.5526 0.5792 0.6055 0.6316 0.6574
0.6830 0.7084 0.7335 0.7585 0.7832
0.8077 0.8320 0.8561 0.8788 0.9002
0.9211 0.9416 0.9615 0.9810 1.0000

Width:

0.0603 0.1060 0.1297 0.1535 0.1773
0.2011 0.2249 0.2410 0.2554 0.2697
0.2841 0.2985 0.3128 0.3272 0.3415
0.3640 0.4072 0.4505 0.4938 0.5371
0.5803 0.6236 0.6440 0.6490 0.6747
0.6837 0.6927 0.7017 0.7107 0.7197
0.7286 0.7376 0.7466 0.7556 0.7646
0.7736 0.7826 0.7915 0.8005 0.8095
0.8185 0.8275 0.8365 0.8544 0.8787
0.9030 0.9272 0.9515 0.9757 1.0000

Transect XS19

Area:

0.0018 0.0059 0.0113 0.0178 0.0249
0.0326 0.0410 0.0500 0.0596 0.0699
0.0809 0.0924 0.1046 0.1175 0.1310
0.1450 0.1596 0.1746 0.1900 0.2060
0.2223 0.2392 0.2565 0.2743 0.2925
0.3112 0.3304 0.3508 0.3729 0.3969
0.4226 0.4498 0.4775 0.5055 0.5337
0.5621 0.5909 0.6198 0.6490 0.6785
0.7082 0.7381 0.7683 0.7989 0.8302
0.8624 0.8955 0.9294 0.9643 1.0000

Hrad:

0.0222 0.0533 0.0799 0.1110 0.1403
0.1678 0.1938 0.2188 0.2429 0.2663
0.2891 0.3115 0.3335 0.3551 0.3765
0.4003 0.4245 0.4481 0.4714 0.4942
0.5167 0.5388 0.5606 0.5821 0.6034
0.6245 0.6415 0.6303 0.6236 0.6205
0.6204 0.6358 0.6642 0.6920 0.7193
0.7460 0.7723 0.7982 0.8236 0.8486
0.8732 0.8974 0.9212 0.9377 0.9471
0.9569 0.9671 0.9777 0.9887 1.0000

Width:

0.0966 0.1323 0.1680 0.1873 0.2050
0.2227 0.2403 0.2580 0.2757 0.2933
0.3110 0.3287 0.3463 0.3640 0.3817
0.3957 0.4084 0.4212 0.4340 0.4468
0.4595 0.4723 0.4851 0.4978 0.5106
0.5234 0.5400 0.5888 0.6375 0.6862
0.7350 0.7626 0.7695 0.7764 0.7833
0.7903 0.7972 0.8041 0.8110 0.8180
0.8249 0.8318 0.8388 0.8541 0.8784
0.9027 0.9271 0.9514 0.9757 1.0000

Transect XS2

Area:

0.0032 0.0128 0.0270 0.0417 0.0567
0.0719 0.0874 0.1031 0.1192 0.1354
0.1520 0.1688 0.1858 0.2032 0.2207
0.2386 0.2567 0.2751 0.2937 0.3126

0.3318 0.3512 0.3709 0.3908 0.4111
0.4315 0.4523 0.4733 0.4945 0.5160
0.5378 0.5599 0.5822 0.6048 0.6276
0.6507 0.6741 0.6977 0.7216 0.7457
0.7701 0.7948 0.8197 0.8449 0.8704
0.8960 0.9217 0.9477 0.9738 1.0000

Hrad:

0.0151 0.0303 0.0559 0.0843 0.1119
0.1388 0.1649 0.1905 0.2155 0.2398
0.2637 0.2871 0.3100 0.3325 0.3545
0.3762 0.3974 0.4184 0.4390 0.4593
0.4792 0.4989 0.5184 0.5375 0.5564
0.5751 0.5936 0.6118 0.6299 0.6477
0.6654 0.6828 0.7001 0.7173 0.7342
0.7511 0.7678 0.7843 0.8007 0.8170
0.8331 0.8492 0.8651 0.8809 0.8998
0.9200 0.9402 0.9602 0.9802 1.0000

Width:

0.2426 0.4852 0.5534 0.5633 0.5733
0.5833 0.5932 0.6032 0.6132 0.6231
0.6331 0.6431 0.6530 0.6630 0.6730
0.6829 0.6929 0.7029 0.7128 0.7228
0.7328 0.7427 0.7527 0.7627 0.7727
0.7826 0.7926 0.8026 0.8125 0.8225
0.8325 0.8424 0.8524 0.8624 0.8723
0.8823 0.8923 0.9022 0.9122 0.9222
0.9321 0.9421 0.9521 0.9620 0.9694
0.9755 0.9816 0.9878 0.9939 1.0000

Transect XS20

Area:

0.0049 0.0168 0.0292 0.0419 0.0549
0.0681 0.0815 0.0953 0.1092 0.1235
0.1380 0.1527 0.1678 0.1830 0.1986
0.2144 0.2304 0.2467 0.2633 0.2802
0.2972 0.3146 0.3322 0.3501 0.3682
0.3866 0.4052 0.4241 0.4433 0.4627
0.4824 0.5024 0.5232 0.5450 0.5680
0.5919 0.6170 0.6430 0.6702 0.6984
0.7270 0.7558 0.7849 0.8145 0.8444
0.8747 0.9054 0.9365 0.9681 1.0000

Hrad:

0.0191 0.0518 0.0874 0.1216 0.1547
0.1867 0.2176 0.2476 0.2767 0.3051
0.3327 0.3595 0.3858 0.4114 0.4365
0.4611 0.4851 0.5088 0.5319 0.5547
0.5771 0.5991 0.6208 0.6421 0.6632
0.6839 0.7044 0.7246 0.7446 0.7644
0.7839 0.7970 0.7930 0.7908 0.7903
0.7912 0.7934 0.7968 0.8012 0.8100
0.8345 0.8574 0.8757 0.8939 0.9119
0.9298 0.9475 0.9651 0.9826 1.0000

Width:

0.3066 0.3828 0.3909 0.3990 0.4070
0.4151 0.4232 0.4312 0.4393 0.4473
0.4554 0.4635 0.4715 0.4796 0.4877
0.4957 0.5038 0.5118 0.5199 0.5280

0.5360 0.5441 0.5522 0.5602 0.5683
0.5763 0.5844 0.5925 0.6005 0.6086
0.6167 0.6310 0.6639 0.6968 0.7298
0.7627 0.7956 0.8285 0.8615 0.8892
0.8938 0.9001 0.9126 0.9251 0.9376
0.9500 0.9625 0.9750 0.9875 1.0000

Transect XS21
Area:
0.0006 0.0025 0.0057 0.0101 0.0158
0.0228 0.0310 0.0405 0.0513 0.0634
0.0767 0.0910 0.1058 0.1210 0.1366
0.1525 0.1688 0.1855 0.2025 0.2200
0.2378 0.2560 0.2745 0.2935 0.3128
0.3325 0.3529 0.3757 0.3998 0.4241
0.4487 0.4737 0.4989 0.5245 0.5503
0.5765 0.6030 0.6297 0.6568 0.6842
0.7122 0.7411 0.7707 0.8011 0.8323
0.8643 0.8970 0.9306 0.9649 1.0000
Hrad:
0.0157 0.0314 0.0470 0.0627 0.0784
0.0941 0.1098 0.1254 0.1411 0.1568
0.1725 0.1948 0.2196 0.2438 0.2674
0.2903 0.3128 0.3347 0.3562 0.3773
0.3979 0.4183 0.4383 0.4579 0.4773
0.4964 0.5146 0.5293 0.5464 0.5642
0.5825 0.6012 0.6201 0.6393 0.6587
0.6782 0.6978 0.7175 0.7372 0.7601
0.7876 0.8142 0.8399 0.8647 0.8889
0.9123 0.9350 0.9572 0.9789 1.0000
Width:
0.0357 0.0714 0.1071 0.1428 0.1785
0.2142 0.2499 0.2856 0.3214 0.3571
0.3928 0.4116 0.4222 0.4328 0.4435
0.4541 0.4647 0.4753 0.4859 0.4966
0.5072 0.5178 0.5284 0.5390 0.5497
0.5603 0.6055 0.6733 0.6818 0.6903
0.6987 0.7072 0.7157 0.7242 0.7327
0.7412 0.7497 0.7581 0.7666 0.7800
0.8020 0.8240 0.8460 0.8680 0.8900
0.9120 0.9340 0.9560 0.9780 1.0000

Transect XS22
Area:
0.0014 0.0053 0.0106 0.0172 0.0249
0.0333 0.0422 0.0517 0.0617 0.0723
0.0834 0.0952 0.1074 0.1202 0.1336
0.1475 0.1620 0.1770 0.1926 0.2088
0.2255 0.2428 0.2606 0.2790 0.2979
0.3174 0.3374 0.3580 0.3792 0.4009
0.4232 0.4460 0.4694 0.4934 0.5179
0.5429 0.5685 0.5950 0.6224 0.6508
0.6801 0.7104 0.7416 0.7740 0.8080
0.8438 0.8812 0.9198 0.9594 1.0000
Hrad:
0.0213 0.0490 0.0758 0.1006 0.1304
0.1625 0.1930 0.2223 0.2506 0.2780

0.3047 0.3307 0.3562 0.3813 0.4059
0.4302 0.4541 0.4778 0.5012 0.5244
0.5474 0.5702 0.5928 0.6153 0.6377
0.6599 0.6820 0.7040 0.7259 0.7477
0.7694 0.7911 0.8127 0.8342 0.8556
0.8770 0.8949 0.9043 0.9145 0.9253
0.9368 0.9488 0.9614 0.9585 0.9537
0.9513 0.9553 0.9700 0.9849 1.0000

Width:

0.0691 0.1123 0.1443 0.1762 0.1967
0.2103 0.2238 0.2373 0.2509 0.2644
0.2779 0.2915 0.3050 0.3185 0.3321
0.3456 0.3592 0.3727 0.3862 0.3998
0.4133 0.4268 0.4404 0.4539 0.4675
0.4810 0.4945 0.5081 0.5216 0.5351
0.5487 0.5622 0.5757 0.5893 0.6028
0.6164 0.6325 0.6556 0.6786 0.7016
0.7247 0.7477 0.7708 0.8082 0.8495
0.8908 0.9267 0.9512 0.9756 1.0000

Transect XS23

Area:

0.0025 0.0097 0.0182 0.0276 0.0379
0.0489 0.0609 0.0737 0.0871 0.1009
0.1149 0.1292 0.1437 0.1585 0.1736
0.1889 0.2045 0.2204 0.2365 0.2529
0.2695 0.2864 0.3035 0.3210 0.3386
0.3566 0.3748 0.3932 0.4120 0.4310
0.4502 0.4697 0.4895 0.5095 0.5298
0.5510 0.5751 0.6025 0.6328 0.6640
0.6956 0.7277 0.7602 0.7931 0.8265
0.8603 0.8946 0.9293 0.9644 1.0000

Hrad:

0.0157 0.0372 0.0632 0.0873 0.1099
0.1313 0.1519 0.1717 0.1961 0.2220
0.2474 0.2721 0.2964 0.3203 0.3437
0.3666 0.3892 0.4114 0.4333 0.4548
0.4760 0.4970 0.5176 0.5380 0.5581
0.5780 0.5977 0.6171 0.6364 0.6554
0.6743 0.6930 0.7115 0.7298 0.7480
0.7695 0.7916 0.8085 0.8217 0.8357
0.8506 0.8660 0.8820 0.8983 0.9149
0.9317 0.9486 0.9657 0.9828 1.0000

Width:

0.1418 0.2270 0.2507 0.2743 0.2980
0.3216 0.3453 0.3689 0.3808 0.3881
0.3954 0.4027 0.4100 0.4173 0.4246
0.4319 0.4392 0.4465 0.4538 0.4611
0.4684 0.4757 0.4830 0.4903 0.4976
0.5049 0.5122 0.5195 0.5269 0.5342
0.5415 0.5488 0.5561 0.5634 0.5707
0.6287 0.7192 0.8098 0.8655 0.8777
0.8899 0.9022 0.9144 0.9266 0.9388
0.9511 0.9633 0.9755 0.9878 1.0000

Transect XS24

Area:

0.0067 0.0174 0.0297 0.0423 0.0551
0.0683 0.0818 0.0956 0.1096 0.1240
0.1386 0.1536 0.1689 0.1844 0.2002
0.2164 0.2328 0.2496 0.2666 0.2839
0.3015 0.3195 0.3377 0.3562 0.3750
0.3941 0.4135 0.4332 0.4532 0.4735
0.4941 0.5150 0.5361 0.5576 0.5794
0.6015 0.6238 0.6465 0.6695 0.6927
0.7163 0.7402 0.7660 0.7938 0.8238
0.8559 0.8903 0.9258 0.9624 1.0000

Hrad:

0.0246 0.0472 0.0779 0.1076 0.1362
0.1639 0.1907 0.2167 0.2421 0.2667
0.2907 0.3142 0.3371 0.3595 0.3814
0.4030 0.4241 0.4448 0.4652 0.4853
0.5051 0.5245 0.5437 0.5626 0.5813
0.5998 0.6180 0.6360 0.6538 0.6715
0.6889 0.7062 0.7234 0.7403 0.7572
0.7739 0.7904 0.8068 0.8232 0.8394
0.8554 0.8738 0.8936 0.9105 0.9248
0.9376 0.9534 0.9691 0.9847 1.0000

Width:

0.2354 0.3187 0.3264 0.3342 0.3420
0.3498 0.3576 0.3654 0.3731 0.3809
0.3887 0.3965 0.4043 0.4120 0.4198
0.4276 0.4354 0.4432 0.4510 0.4587
0.4665 0.4743 0.4821 0.4899 0.4976
0.5054 0.5132 0.5210 0.5288 0.5366
0.5443 0.5521 0.5599 0.5677 0.5755
0.5832 0.5910 0.5988 0.6066 0.6144
0.6222 0.6482 0.7034 0.7587 0.8140
0.8726 0.9205 0.9470 0.9735 1.0000

Transect XS25

Area:

0.0009 0.0036 0.0082 0.0146 0.0228
0.0326 0.0429 0.0537 0.0648 0.0764
0.0883 0.1007 0.1134 0.1266 0.1401
0.1541 0.1684 0.1832 0.1983 0.2139
0.2298 0.2462 0.2629 0.2801 0.2976
0.3156 0.3339 0.3527 0.3718 0.3914
0.4113 0.4316 0.4525 0.4744 0.4977
0.5223 0.5482 0.5754 0.6040 0.6339
0.6651 0.6976 0.7314 0.7662 0.8023
0.8395 0.8779 0.9174 0.9581 1.0000

Hrad:

0.0217 0.0434 0.0651 0.0868 0.1085
0.1391 0.1758 0.2111 0.2452 0.2783
0.3104 0.3418 0.3723 0.4022 0.4315
0.4602 0.4884 0.5161 0.5434 0.5702
0.5968 0.6229 0.6488 0.6744 0.6997
0.7248 0.7496 0.7742 0.7986 0.8228
0.8469 0.8707 0.8816 0.8721 0.8660
0.8627 0.8617 0.8629 0.8658 0.8703
0.8762 0.8858 0.8983 0.9114 0.9251
0.9392 0.9538 0.9689 0.9843 1.0000

Width:

0.0429 0.0858 0.1287 0.1717 0.2146
0.2390 0.2484 0.2578 0.2673 0.2767
0.2861 0.2955 0.3049 0.3144 0.3238
0.3332 0.3426 0.3521 0.3615 0.3709
0.3803 0.3897 0.3992 0.4086 0.4180
0.4274 0.4368 0.4463 0.4557 0.4651
0.4745 0.4839 0.5012 0.5324 0.5636
0.5948 0.6260 0.6573 0.6885 0.7197
0.7509 0.7802 0.8077 0.8351 0.8626
0.8901 0.9176 0.9450 0.9725 1.0000

Transect XS26
Area:
0.0007 0.0029 0.0065 0.0116 0.0182
0.0262 0.0355 0.0456 0.0564 0.0678
0.0799 0.0926 0.1060 0.1200 0.1347
0.1501 0.1661 0.1828 0.2001 0.2181
0.2367 0.2561 0.2760 0.2967 0.3179
0.3399 0.3625 0.3857 0.4096 0.4342
0.4590 0.4843 0.5099 0.5359 0.5622
0.5889 0.6159 0.6433 0.6711 0.6992
0.7276 0.7565 0.7857 0.8152 0.8451
0.8754 0.9060 0.9370 0.9683 1.0000
Hrad:
0.0195 0.0389 0.0584 0.0779 0.0974
0.1168 0.1410 0.1683 0.1942 0.2191
0.2431 0.2663 0.2889 0.3109 0.3325
0.3537 0.3746 0.3951 0.4154 0.4354
0.4553 0.4749 0.4944 0.5137 0.5329
0.5520 0.5709 0.5898 0.6085 0.6292
0.6507 0.6717 0.6923 0.7126 0.7325
0.7521 0.7713 0.7903 0.8090 0.8274
0.8456 0.8635 0.8813 0.8988 0.9161
0.9332 0.9502 0.9669 0.9835 1.0000
Width:
0.0456 0.0912 0.1369 0.1825 0.2281
0.2737 0.3064 0.3271 0.3477 0.3684
0.3890 0.4097 0.4303 0.4510 0.4716
0.4922 0.5129 0.5335 0.5542 0.5748
0.5955 0.6161 0.6368 0.6574 0.6781
0.6987 0.7193 0.7400 0.7606 0.7753
0.7865 0.7977 0.8090 0.8202 0.8315
0.8427 0.8539 0.8652 0.8764 0.8876
0.8989 0.9101 0.9213 0.9326 0.9438
0.9551 0.9663 0.9775 0.9888 1.0000

Transect XS27
Area:
0.0015 0.0058 0.0131 0.0232 0.0355
0.0484 0.0616 0.0752 0.0892 0.1037
0.1186 0.1338 0.1495 0.1656 0.1821
0.1990 0.2163 0.2341 0.2522 0.2708
0.2897 0.3091 0.3289 0.3491 0.3697
0.3907 0.4121 0.4340 0.4562 0.4789
0.5019 0.5254 0.5493 0.5735 0.5981
0.6229 0.6480 0.6734 0.6991 0.7251
0.7513 0.7778 0.8046 0.8317 0.8590

0.8867 0.9146 0.9428 0.9712 1.0000

Hrad:

0.0189 0.0378 0.0567 0.0757 0.1056
0.1376 0.1679 0.1970 0.2249 0.2517
0.2776 0.3027 0.3270 0.3506 0.3736
0.3961 0.4180 0.4394 0.4604 0.4810
0.5013 0.5212 0.5408 0.5601 0.5791
0.5979 0.6165 0.6348 0.6529 0.6708
0.6886 0.7062 0.7236 0.7414 0.7593
0.7768 0.7942 0.8112 0.8280 0.8446
0.8610 0.8771 0.8931 0.9089 0.9244
0.9399 0.9551 0.9702 0.9852 1.0000

Width:

0.1004 0.2008 0.3013 0.4017 0.4362
0.4504 0.4646 0.4788 0.4930 0.5072
0.5214 0.5356 0.5498 0.5640 0.5782
0.5924 0.6066 0.6208 0.6350 0.6492
0.6634 0.6776 0.6918 0.7060 0.7202
0.7344 0.7486 0.7628 0.7770 0.7912
0.8054 0.8196 0.8338 0.8449 0.8546
0.8643 0.8740 0.8837 0.8934 0.9031
0.9128 0.9225 0.9322 0.9418 0.9515
0.9612 0.9709 0.9806 0.9903 1.0000

Transect XS28

Area:

0.0008 0.0034 0.0075 0.0134 0.0209
0.0302 0.0411 0.0535 0.0669 0.0811
0.0962 0.1117 0.1275 0.1435 0.1598
0.1763 0.1931 0.2101 0.2274 0.2450
0.2628 0.2808 0.2991 0.3176 0.3364
0.3555 0.3748 0.3943 0.4141 0.4342
0.4545 0.4750 0.4958 0.5169 0.5382
0.5603 0.5831 0.6067 0.6315 0.6579
0.6859 0.7154 0.7466 0.7794 0.8137
0.8496 0.8862 0.9236 0.9616 1.0000

Hrad:

0.0253 0.0506 0.0759 0.1012 0.1264
0.1517 0.1770 0.2073 0.2417 0.2744
0.3061 0.3446 0.3815 0.4170 0.4512
0.4842 0.5161 0.5470 0.5769 0.6060
0.6343 0.6619 0.6887 0.7149 0.7405
0.7656 0.7901 0.8141 0.8377 0.8608
0.8835 0.9059 0.9278 0.9494 0.9706
0.9905 1.0090 1.0262 1.0212 1.0172
1.0144 1.0129 1.0126 1.0134 1.0152
1.0254 1.0457 1.0654 1.0851 1.0000

Width:

0.0435 0.0869 0.1304 0.1739 0.2173
0.2608 0.3043 0.3370 0.3580 0.3790
0.3995 0.4061 0.4126 0.4191 0.4256
0.4321 0.4386 0.4452 0.4517 0.4582
0.4647 0.4712 0.4777 0.4843 0.4908
0.4973 0.5038 0.5103 0.5169 0.5234
0.5299 0.5364 0.5429 0.5494 0.5608
0.5815 0.6022 0.6230 0.6639 0.7052
0.7464 0.7877 0.8289 0.8702 0.9114

0.9428 0.9603 0.9779 0.9915 1.0000

Transect XS29
Area:
0.0007 0.0026 0.0059 0.0105 0.0164
0.0236 0.0321 0.0419 0.0529 0.0646
0.0769 0.0900 0.1037 0.1181 0.1332
0.1489 0.1654 0.1824 0.1998 0.2176
0.2356 0.2541 0.2728 0.2919 0.3114
0.3312 0.3514 0.3719 0.3927 0.4139
0.4355 0.4573 0.4796 0.5021 0.5251
0.5483 0.5720 0.5959 0.6203 0.6462
0.6738 0.7030 0.7338 0.7663 0.8005
0.8364 0.8739 0.9136 0.9560 1.0000
Hrad:
0.0231 0.0461 0.0692 0.0922 0.1153
0.1383 0.1614 0.1844 0.2148 0.2468
0.2776 0.3075 0.3366 0.3651 0.3930
0.4204 0.4473 0.4801 0.5140 0.5473
0.5801 0.6123 0.6440 0.6752 0.7059
0.7362 0.7662 0.7957 0.8249 0.8538
0.8823 0.9105 0.9385 0.9661 0.9935
1.0207 1.0476 1.0743 1.0782 1.0565
1.0398 1.0273 1.0183 1.0124 1.0091
1.0081 1.0067 0.9881 0.9797 1.0000
Width:
0.0294 0.0588 0.0882 0.1176 0.1470
0.1763 0.2057 0.2351 0.2542 0.2695
0.2848 0.3001 0.3154 0.3307 0.3460
0.3614 0.3767 0.3861 0.3939 0.4016
0.4094 0.4172 0.4249 0.4327 0.4404
0.4482 0.4560 0.4637 0.4715 0.4792
0.4870 0.4948 0.5025 0.5103 0.5180
0.5258 0.5336 0.5413 0.5618 0.5991
0.6363 0.6736 0.7108 0.7480 0.7853
0.8225 0.8620 0.9212 0.9747 1.0000

Transect XS3
Area:
0.0013 0.0052 0.0118 0.0210 0.0328
0.0472 0.0643 0.0829 0.1019 0.1211
0.1404 0.1598 0.1794 0.1991 0.2190
0.2390 0.2591 0.2794 0.2999 0.3204
0.3411 0.3620 0.3830 0.4041 0.4254
0.4468 0.4684 0.4901 0.5119 0.5339
0.5560 0.5783 0.6007 0.6232 0.6459
0.6687 0.6917 0.7148 0.7380 0.7614
0.7849 0.8086 0.8324 0.8562 0.8801
0.9040 0.9279 0.9519 0.9759 1.0000
Hrad:
0.0141 0.0282 0.0423 0.0565 0.0706
0.0847 0.1000 0.1230 0.1495 0.1755
0.2011 0.2263 0.2512 0.2757 0.2999
0.3237 0.3472 0.3703 0.3932 0.4158
0.4381 0.4601 0.4818 0.5033 0.5245
0.5455 0.5662 0.5867 0.6070 0.6271
0.6469 0.6666 0.6860 0.7053 0.7243

0.7432 0.7619 0.7804 0.7988 0.8169
0.8349 0.8528 0.8716 0.8906 0.9093
0.9279 0.9462 0.9643 0.9823 1.0000
Width:
0.1090 0.2179 0.3269 0.4359 0.5449
0.6538 0.7532 0.7868 0.7926 0.7985
0.8043 0.8102 0.8160 0.8219 0.8277
0.8336 0.8394 0.8453 0.8511 0.8570
0.8628 0.8687 0.8745 0.8804 0.8862
0.8921 0.8980 0.9038 0.9097 0.9155
0.9214 0.9272 0.9331 0.9389 0.9448
0.9506 0.9565 0.9623 0.9682 0.9740
0.9799 0.9857 0.9883 0.9900 0.9917
0.9933 0.9950 0.9967 0.9983 1.0000

Transect XS4
Area:
0.0019 0.0075 0.0157 0.0251 0.0354
0.0467 0.0590 0.0723 0.0866 0.1019
0.1181 0.1351 0.1523 0.1698 0.1877
0.2058 0.2243 0.2430 0.2621 0.2814
0.3011 0.3210 0.3413 0.3618 0.3827
0.4039 0.4253 0.4471 0.4692 0.4916
0.5142 0.5372 0.5605 0.5841 0.6080
0.6321 0.6566 0.6814 0.7065 0.7319
0.7576 0.7836 0.8099 0.8365 0.8633
0.8903 0.9175 0.9448 0.9723 1.0000
Hrad:
0.0152 0.0304 0.0540 0.0770 0.0985
0.1187 0.1381 0.1568 0.1749 0.1926
0.2100 0.2350 0.2595 0.2836 0.3072
0.3303 0.3531 0.3754 0.3974 0.4191
0.4404 0.4615 0.4822 0.5027 0.5229
0.5428 0.5625 0.5820 0.6013 0.6204
0.6392 0.6579 0.6764 0.6947 0.7129
0.7309 0.7487 0.7664 0.7840 0.8014
0.8187 0.8359 0.8530 0.8712 0.8929
0.9146 0.9361 0.9575 0.9788 1.0000
Width:
0.1342 0.2683 0.3175 0.3534 0.3893
0.4251 0.4610 0.4969 0.5328 0.5686
0.6044 0.6153 0.6262 0.6371 0.6480
0.6589 0.6697 0.6806 0.6915 0.7024
0.7133 0.7242 0.7351 0.7460 0.7569
0.7677 0.7786 0.7895 0.8004 0.8113
0.8222 0.8331 0.8440 0.8549 0.8658
0.8766 0.8875 0.8984 0.9093 0.9202
0.9311 0.9420 0.9529 0.9626 0.9688
0.9750 0.9813 0.9875 0.9938 1.0000

Transect XS5
Area:
0.0015 0.0061 0.0138 0.0246 0.0384
0.0542 0.0703 0.0866 0.1032 0.1201
0.1372 0.1546 0.1723 0.1902 0.2083
0.2268 0.2454 0.2644 0.2836 0.3030
0.3228 0.3427 0.3630 0.3834 0.4042

0.4252 0.4465 0.4680 0.4898 0.5118
0.5341 0.5567 0.5795 0.6026 0.6259
0.6495 0.6732 0.6972 0.7213 0.7457
0.7702 0.7950 0.8199 0.8451 0.8704
0.8959 0.9216 0.9476 0.9737 1.0000

Hrad:

0.0164 0.0328 0.0492 0.0656 0.0821
0.1103 0.1392 0.1672 0.1942 0.2203
0.2456 0.2702 0.2941 0.3174 0.3401
0.3622 0.3837 0.4048 0.4254 0.4456
0.4653 0.4847 0.5037 0.5224 0.5407
0.5587 0.5764 0.5939 0.6111 0.6280
0.6447 0.6612 0.6774 0.6935 0.7094
0.7296 0.7497 0.7696 0.7895 0.8092
0.8287 0.8482 0.8675 0.8868 0.9059
0.9249 0.9439 0.9627 0.9814 1.0000

Width:

0.1162 0.2325 0.3487 0.4649 0.5811
0.6044 0.6142 0.6240 0.6338 0.6436
0.6534 0.6632 0.6729 0.6827 0.6925
0.7023 0.7121 0.7219 0.7317 0.7415
0.7513 0.7611 0.7709 0.7806 0.7904
0.8002 0.8100 0.8198 0.8296 0.8394
0.8492 0.8590 0.8688 0.8786 0.8883
0.8958 0.9032 0.9107 0.9181 0.9255
0.9330 0.9404 0.9479 0.9553 0.9628
0.9702 0.9777 0.9851 0.9926 1.0000

Transect XS6

Area:

0.0004 0.0016 0.0036 0.0063 0.0099
0.0142 0.0194 0.0253 0.0321 0.0396
0.0479 0.0570 0.0669 0.0776 0.0890
0.1013 0.1144 0.1282 0.1428 0.1583
0.1745 0.1915 0.2093 0.2279 0.2473
0.2675 0.2885 0.3102 0.3328 0.3561
0.3803 0.4052 0.4309 0.4574 0.4847
0.5128 0.5417 0.5714 0.6018 0.6331
0.6652 0.6983 0.7324 0.7676 0.8037
0.8409 0.8792 0.9184 0.9587 1.0000

Hrad:

0.0202 0.0405 0.0607 0.0810 0.1012
0.1215 0.1417 0.1619 0.1822 0.2024
0.2227 0.2429 0.2632 0.2834 0.3037
0.3239 0.3441 0.3644 0.3846 0.4049
0.4251 0.4454 0.4656 0.4858 0.5061
0.5263 0.5466 0.5668 0.5871 0.6073
0.6276 0.6478 0.6680 0.6883 0.7085
0.7288 0.7490 0.7693 0.7895 0.8097
0.8299 0.8497 0.8691 0.8882 0.9070
0.9255 0.9437 0.9617 0.9795 1.0000

Width:

0.0190 0.0380 0.0570 0.0759 0.0949
0.1139 0.1329 0.1519 0.1709 0.1899
0.2088 0.2278 0.2468 0.2658 0.2848
0.3038 0.3228 0.3417 0.3607 0.3797
0.3987 0.4177 0.4367 0.4556 0.4746

0.4936 0.5126 0.5316 0.5506 0.5696
0.5885 0.6075 0.6265 0.6455 0.6645
0.6835 0.7025 0.7214 0.7404 0.7597
0.7816 0.8062 0.8309 0.8555 0.8802
0.9048 0.9294 0.9541 0.9787 1.0000

Transect XS7
Area:
0.0004 0.0016 0.0035 0.0063 0.0098
0.0141 0.0192 0.0251 0.0317 0.0392
0.0474 0.0564 0.0662 0.0768 0.0882
0.1003 0.1132 0.1270 0.1414 0.1567
0.1728 0.1896 0.2073 0.2257 0.2449
0.2649 0.2856 0.3072 0.3295 0.3526
0.3765 0.4012 0.4267 0.4529 0.4800
0.5078 0.5364 0.5658 0.5960 0.6269
0.6588 0.6919 0.7262 0.7616 0.7983
0.8362 0.8754 0.9157 0.9572 1.0000
Hrad:
0.0206 0.0412 0.0617 0.0823 0.1029
0.1235 0.1441 0.1646 0.1852 0.2058
0.2264 0.2470 0.2675 0.2881 0.3087
0.3293 0.3499 0.3704 0.3910 0.4116
0.4322 0.4528 0.4733 0.4939 0.5145
0.5351 0.5557 0.5762 0.5968 0.6174
0.6380 0.6586 0.6791 0.6997 0.7203
0.7409 0.7615 0.7820 0.8026 0.8232
0.8435 0.8631 0.8819 0.9002 0.9178
0.9349 0.9515 0.9677 0.9834 1.0000
Width:
0.0181 0.0362 0.0543 0.0724 0.0905
0.1086 0.1267 0.1448 0.1629 0.1810
0.1991 0.2173 0.2354 0.2535 0.2716
0.2897 0.3078 0.3259 0.3440 0.3621
0.3802 0.3983 0.4164 0.4345 0.4526
0.4707 0.4888 0.5069 0.5250 0.5431
0.5612 0.5793 0.5974 0.6156 0.6337
0.6518 0.6699 0.6880 0.7061 0.7252
0.7498 0.7778 0.8058 0.8338 0.8618
0.8898 0.9178 0.9458 0.9738 1.0000

Transect XS8
Area:
0.0009 0.0035 0.0078 0.0139 0.0216
0.0312 0.0424 0.0554 0.0701 0.0866
0.1047 0.1247 0.1456 0.1668 0.1880
0.2094 0.2309 0.2525 0.2742 0.2961
0.3181 0.3402 0.3624 0.3848 0.4073
0.4299 0.4526 0.4755 0.4985 0.5216
0.5448 0.5682 0.5916 0.6152 0.6389
0.6627 0.6865 0.7103 0.7342 0.7581
0.7821 0.8061 0.8302 0.8543 0.8785
0.9027 0.9269 0.9512 0.9756 1.0000
Hrad:
0.0163 0.0326 0.0490 0.0653 0.0816
0.0979 0.1143 0.1306 0.1469 0.1632
0.1796 0.1959 0.2240 0.2527 0.2807

0.3082 0.3350 0.3613 0.3871 0.4123
0.4370 0.4612 0.4850 0.5083 0.5312
0.5537 0.5758 0.5975 0.6189 0.6399
0.6605 0.6808 0.7008 0.7205 0.7403
0.7597 0.7789 0.7976 0.8161 0.8342
0.8521 0.8696 0.8868 0.9038 0.9205
0.9369 0.9530 0.9689 0.9846 1.0000

Width:

0.0709 0.1418 0.2127 0.2835 0.3544
0.4253 0.4962 0.5671 0.6380 0.7089
0.7797 0.8506 0.8622 0.8673 0.8723
0.8774 0.8825 0.8876 0.8926 0.8977
0.9028 0.9079 0.9129 0.9180 0.9231
0.9282 0.9332 0.9383 0.9434 0.9485
0.9535 0.9586 0.9637 0.9688 0.9711
0.9730 0.9749 0.9768 0.9788 0.9807
0.9826 0.9846 0.9865 0.9884 0.9904
0.9923 0.9942 0.9961 0.9981 1.0000

Transect XS9

Area:

0.0006 0.0026 0.0058 0.0103 0.0161
0.0232 0.0316 0.0412 0.0522 0.0644
0.0779 0.0926 0.1079 0.1239 0.1404
0.1575 0.1753 0.1936 0.2125 0.2321
0.2522 0.2728 0.2938 0.3152 0.3371
0.3593 0.3819 0.4050 0.4284 0.4523
0.4765 0.5012 0.5262 0.5517 0.5775
0.6038 0.6305 0.6576 0.6850 0.7129
0.7408 0.7690 0.7973 0.8258 0.8544
0.8832 0.9122 0.9413 0.9706 1.0000

Hrad:

0.0150 0.0301 0.0451 0.0602 0.0752
0.0903 0.1053 0.1204 0.1354 0.1505
0.1655 0.1854 0.2076 0.2293 0.2505
0.2712 0.2916 0.3115 0.3312 0.3505
0.3699 0.3920 0.4139 0.4355 0.4568
0.4778 0.4986 0.5191 0.5395 0.5596
0.5796 0.5993 0.6189 0.6383 0.6575
0.6766 0.6955 0.7143 0.7330 0.7560
0.7809 0.8058 0.8305 0.8551 0.8795
0.9038 0.9281 0.9522 0.9761 1.0000

Width:

0.0436 0.0873 0.1309 0.1746 0.2182
0.2619 0.3055 0.3491 0.3928 0.4364
0.4801 0.5093 0.5296 0.5499 0.5703
0.5906 0.6110 0.6313 0.6516 0.6720
0.6918 0.7055 0.7191 0.7328 0.7465
0.7601 0.7738 0.7875 0.8011 0.8148
0.8285 0.8421 0.8558 0.8695 0.8831
0.8968 0.9105 0.9241 0.9378 0.9459
0.9513 0.9567 0.9621 0.9675 0.9730
0.9784 0.9838 0.9892 0.9946 1.0000

****

NOTE: The summary statistics displayed in this report are

based on results found at every computational time step,
not just on results from each reporting time step.
****

****
Analysis Options
****
Flow Units ..... CFS
Process Models:
  Rainfall/Runoff ..... YES
  RDII ..... NO
  Snowmelt ..... NO
  Groundwater ..... NO
  Flow Routing ..... YES
  Ponding Allowed ..... YES
  Water Quality ..... NO
Flow Routing Method ..... DYNWAVE
Surcharge Method ..... EXTRAN
Starting Date 11/01/2021 00:00:00
Ending Date 11/01/2021 12:00:00
Antecedent Dry Days 0.0
Report Time Step 00:03:00
Routing Time Step ..... 5.00 sec
Variable Time Step ..... YES
Maximum Trials 8
Number of Threads 12
Head Tolerance ..... 0.005000 ft

Flow Routing Continuity	Volume acre-feet	Volume 10^6 gal
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	0.000	0.000
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	47.964	15.630
External Outflow	46.737	15.230
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.001	0.000
Final Stored Volume	1.141	0.372
Continuity Error (%)	0.181	

****
Highest Continuity Errors
****
Node J163 (5.99%)
Node J107 (1.30%)

****
Time-Step Critical Elements
****
Link C145 (70.94%)

Link C4_1 (13.41%)
Link C9 (6.29%)
Link C103 (6.07%)
Link C3_1 (1.15%)

****
Highest Flow Instability Indexes
****
Link C54 (25)
Link C53 (24)
Link C18 (21)
Link C19 (20)
Link C17 (19)

****
Routing Time Step Summary
****
Minimum Time Step : 0.50 sec
Average Time Step : 1.01 sec
Maximum Time Step : 5.00 sec
Percent in Steady State : -0.00
Average Iterations per Step : 2.23
Percent Not Converging : 0.30
Time Step Frequencies :
5.000 - 3.155 sec : 4.27 %
3.155 - 1.991 sec : 12.09 %
1.991 - 1.256 sec : 7.57 %
1.256 - 0.792 sec : 5.59 %
0.792 - 0.500 sec : 70.47 %

****
Node Depth Summary
****

Node	Type	Average Depth Feet	Maximum Depth Feet	Maximum HGL Feet	Time of Max Occurrence days hr:min	Reported Max Depth Feet
J1	JUNCTION	0.70	1.93	850.32	0 03:32	1.93
J10	JUNCTION	0.78	3.14	882.18	0 03:16	3.03
J100	JUNCTION	0.42	1.20	906.81	0 03:10	1.19
J101	JUNCTION	0.27	1.09	964.37	0 03:11	1.09
J102	JUNCTION	0.31	1.24	999.43	0 03:06	1.24
J103	JUNCTION	0.03	0.10	996.11	0 03:06	0.10
J104	JUNCTION	0.13	0.45	980.54	0 03:06	0.45
J105	JUNCTION	0.09	0.24	979.32	0 03:06	0.24
J106	JUNCTION	0.25	1.12	978.06	0 03:11	1.12
J107	JUNCTION	0.03	0.35	991.13	0 03:09	0.35
J108	JUNCTION	0.08	0.75	1008.75	0 03:11	0.75
J109	JUNCTION	0.00	0.00	978.18	0 00:00	0.00
J11	JUNCTION	0.60	1.41	899.82	0 03:23	1.41
J110	JUNCTION	0.39	2.11	1016.11	0 03:11	2.10
J111	JUNCTION	0.20	0.95	1008.75	0 03:11	0.94

J112	JUNCTION	0.00	0.00	998.36	0	00:00	0.00
J113	JUNCTION	0.00	0.02	1037.26	0	03:06	0.02
J114	JUNCTION	0.00	0.00	891.30	0	00:00	0.00
J115	JUNCTION	0.00	0.00	892.11	0	00:00	0.00
J116	JUNCTION	0.00	0.00	894.30	0	00:00	0.00
J117	JUNCTION	1.09	3.51	885.59	0	03:09	3.50
J118	JUNCTION	0.37	1.08	891.87	0	03:06	1.08
J119	JUNCTION	0.57	1.55	892.18	0	03:06	1.54
J12	JUNCTION	0.43	1.22	897.17	0	03:09	1.22
J120	JUNCTION	0.21	0.78	892.25	0	03:06	0.78
J121	JUNCTION	0.00	0.12	892.25	0	03:06	0.12
J122	JUNCTION	0.15	0.54	894.45	0	03:06	0.54
J123	JUNCTION	0.00	0.00	893.13	0	00:00	0.00
J124	JUNCTION	0.00	0.00	893.48	0	00:00	0.00
J125	JUNCTION	0.22	0.83	882.48	0	03:06	0.83
J126	JUNCTION	0.36	1.57	879.19	0	03:06	1.57
J127	JUNCTION	0.00	0.00	884.30	0	00:00	0.00
J128	JUNCTION	0.00	0.00	882.80	0	00:00	0.00
J129	JUNCTION	0.22	0.82	877.87	0	03:06	0.82
J13	JUNCTION	0.63	2.04	862.41	0	03:13	2.04
J130	JUNCTION	0.32	1.46	864.33	0	03:07	1.46
J131	JUNCTION	0.22	0.84	862.50	0	03:06	0.84
J132	JUNCTION	0.23	0.87	992.77	0	03:09	0.87
J133	JUNCTION	0.34	1.25	985.04	0	03:09	1.25
J134	JUNCTION	0.40	2.25	1045.04	0	03:06	2.25
J135	JUNCTION	0.63	3.53	980.62	0	03:10	3.41
J136	JUNCTION	0.35	1.66	975.12	0	03:21	1.51
J137	JUNCTION	0.43	2.59	973.30	0	03:09	2.58
J138	JUNCTION	0.48	2.75	974.13	0	03:09	2.73
J139	JUNCTION	0.24	0.77	960.27	0	03:12	0.77
J14	JUNCTION	1.00	4.29	863.11	0	03:14	4.28
J140	JUNCTION	0.22	0.74	931.89	0	03:12	0.73
J141	JUNCTION	0.25	1.26	930.75	0	03:12	1.25
J142	JUNCTION	0.00	0.00	1046.96	0	00:00	0.00
J143	JUNCTION	0.34	1.73	1035.70	0	03:09	1.72
J144	JUNCTION	0.00	0.00	966.77	0	00:00	0.00
J145	JUNCTION	0.00	0.00	967.65	0	00:00	0.00
J146	JUNCTION	0.00	0.00	967.65	0	00:00	0.00
J147	JUNCTION	0.07	0.65	1046.90	0	03:09	0.65
J148	JUNCTION	0.79	1.35	930.43	0	03:06	1.35
J149	JUNCTION	0.00	0.00	1073.88	0	00:00	0.00
J15	JUNCTION	0.53	2.05	860.49	0	03:13	2.04
J150	JUNCTION	0.22	0.90	1046.90	0	03:09	0.90
J151	JUNCTION	0.20	0.93	997.43	0	03:11	0.93
J154	JUNCTION	0.53	2.16	978.97	0	03:09	2.14
J155	JUNCTION	0.41	2.11	979.27	0	03:09	2.08
J156	JUNCTION	0.22	0.79	979.43	0	03:09	0.79
J157	JUNCTION	0.18	1.00	981.77	0	03:09	0.99
J158	JUNCTION	1.56	2.70	983.50	0	03:09	2.69
J159	JUNCTION	0.23	1.14	1003.30	0	03:09	1.13
J16	JUNCTION	1.15	4.46	861.39	0	03:13	4.44
J160	JUNCTION	0.00	0.00	1029.71	0	00:00	0.00
J161	JUNCTION	0.00	0.00	1014.00	0	00:00	0.00
J162	JUNCTION	0.92	3.52	1007.50	0	03:09	3.52
J163	JUNCTION	0.33	1.10	1010.07	0	03:09	1.10
J164	JUNCTION	0.20	0.96	1010.07	0	03:09	0.96
J165	JUNCTION	0.00	0.00	1011.41	0	00:00	0.00

J166	JUNCTION	0.20	0.96	976.96	0	03:10	0.94
J167	JUNCTION	0.12	0.54	966.46	0	03:09	0.54
J168	JUNCTION	0.00	0.00	912.61	0	00:00	0.00
J169	JUNCTION	0.00	0.00	912.00	0	00:00	0.00
J17	JUNCTION	0.48	2.02	856.60	0	03:13	2.01
J170	JUNCTION	0.00	0.00	908.86	0	00:00	0.00
J171	JUNCTION	0.00	0.00	905.27	0	00:00	0.00
J172	JUNCTION	0.25	0.94	902.84	0	03:09	0.94
J173	JUNCTION	0.00	0.00	910.94	0	00:00	0.00
J174	JUNCTION	0.00	0.00	909.90	0	00:00	0.00
J175	JUNCTION	0.00	0.00	908.08	0	00:00	0.00
J176	JUNCTION	0.00	0.00	901.94	0	00:00	0.00
J177	JUNCTION	0.00	0.00	900.54	0	00:00	0.00
J178	JUNCTION	0.00	0.00	903.72	0	00:00	0.00
J179	JUNCTION	0.00	0.00	898.29	0	00:00	0.00
J18	JUNCTION	0.81	3.99	857.54	0	03:12	3.99
J180	JUNCTION	0.43	1.75	897.07	0	03:09	1.75
J181	JUNCTION	0.03	0.50	890.50	0	03:06	0.49
J182	JUNCTION	0.41	1.57	890.00	0	03:06	1.56
J183	JUNCTION	0.00	0.00	884.34	0	00:00	0.00
J184	JUNCTION	0.00	0.00	861.91	0	00:00	0.00
J185	JUNCTION	0.00	0.00	927.55	0	00:00	0.00
J186	JUNCTION	0.00	0.00	926.20	0	00:00	0.00
J187	JUNCTION	0.30	1.67	1013.46	0	03:09	1.66
J19	JUNCTION	0.67	1.91	850.32	0	03:32	1.91
J2	JUNCTION	1.13	3.68	864.89	0	03:13	3.68
J20	JUNCTION	0.90	1.97	847.29	0	03:32	1.96
J21	JUNCTION	0.89	2.60	866.19	0	03:13	2.60
J22	JUNCTION	1.12	4.87	868.85	0	03:13	4.84
J23	JUNCTION	1.32	5.02	868.88	0	03:13	4.99
J24	JUNCTION	1.22	4.07	868.91	0	03:13	4.05
J25	JUNCTION	1.02	3.21	869.04	0	03:13	3.20
J26	JUNCTION	0.60	2.20	870.16	0	03:13	2.19
J27	JUNCTION	0.95	2.43	873.97	0	03:12	2.43
J28	JUNCTION	0.56	4.09	947.30	0	03:06	4.09
J29	JUNCTION	0.28	1.02	927.71	0	03:12	1.02
J3	JUNCTION	0.61	1.91	855.07	0	03:12	1.90
J30	JUNCTION	0.61	1.92	923.94	0	03:09	1.92
J31	JUNCTION	0.73	3.51	923.13	0	03:09	3.50
J32	JUNCTION	0.57	3.31	922.58	0	03:14	3.30
J33	JUNCTION	0.29	1.16	918.90	0	03:14	1.16
J34	JUNCTION	0.29	1.21	900.43	0	03:15	1.21
J35	JUNCTION	0.31	1.51	910.05	0	03:15	1.51
J36	JUNCTION	0.67	2.19	899.90	0	03:15	2.19
J37	JUNCTION	0.32	1.10	898.03	0	03:15	1.10
J38	JUNCTION	0.75	3.14	890.27	0	03:15	3.14
J39	JUNCTION	0.65	1.76	887.43	0	03:15	1.76
J4	JUNCTION	1.11	4.12	858.54	0	03:17	4.10
J40	JUNCTION	0.32	1.36	904.92	0	03:09	1.36
J41	JUNCTION	4.47	6.18	900.63	0	03:09	6.18
J42	JUNCTION	0.47	1.33	899.60	0	03:09	1.32
J43	JUNCTION	0.36	1.73	896.87	0	03:06	1.72
J44	JUNCTION	0.30	1.11	890.50	0	03:06	1.10
J45	JUNCTION	0.74	2.13	889.48	0	03:07	2.13
J46	JUNCTION	0.64	2.71	1031.94	0	03:09	2.71
J47	JUNCTION	0.33	1.26	1030.29	0	03:09	1.26
J48	JUNCTION	0.55	2.71	1030.94	0	03:09	2.70

J49	JUNCTION	0.29	1.07	1028.25	0	03:09	1.07
J5	JUNCTION	0.42	1.47	855.32	0	03:17	1.47
J50	JUNCTION	0.38	1.77	1013.46	0	03:09	1.76
J51	JUNCTION	0.34	1.30	1006.62	0	03:09	1.30
J52	JUNCTION	0.55	3.49	1000.18	0	03:10	3.30
J53	JUNCTION	0.00	0.00	1072.41	0	00:00	0.00
J54	JUNCTION	0.18	0.99	1071.71	0	03:09	0.99
J55	JUNCTION	0.16	0.65	1066.25	0	03:06	0.65
J56	JUNCTION	0.19	1.31	1051.91	0	03:06	1.31
J57	JUNCTION	0.19	0.75	1015.64	0	03:06	0.75
J58	JUNCTION	0.12	0.53	1046.28	0	03:06	0.53
J59	JUNCTION	0.19	0.77	1035.29	0	03:06	0.76
J6	JUNCTION	0.57	1.50	867.89	0	03:17	1.32
J60	JUNCTION	0.27	1.79	1023.29	0	03:06	1.78
J61	JUNCTION	0.46	3.29	1005.89	0	03:06	3.25
J62	JUNCTION	0.23	0.99	1002.77	0	03:06	0.98
J63	JUNCTION	0.34	1.22	997.07	0	03:06	1.21
J64	JUNCTION	0.70	3.56	990.36	0	03:07	3.49
J65	JUNCTION	0.61	1.94	988.48	0	03:07	1.92
J66	JUNCTION	0.78	4.45	983.31	0	03:08	4.45
J67	JUNCTION	0.50	2.01	984.37	0	03:08	1.99
J68	JUNCTION	0.65	5.86	982.83	0	03:08	5.86
J69	JUNCTION	0.46	5.99	982.36	0	03:01	5.62
J7	JUNCTION	3.19	10.08	885.46	0	03:16	7.52
J70	JUNCTION	0.73	7.34	980.75	0	03:09	7.34
J71	JUNCTION	0.10	0.45	970.11	0	03:08	0.45
J72	JUNCTION	0.00	0.00	1055.62	0	00:00	0.00
J74	JUNCTION	0.00	0.00	1052.29	0	00:00	0.00
J75	JUNCTION	0.00	0.00	1053.01	0	00:00	0.00
J76	JUNCTION	0.00	0.00	1053.68	0	00:00	0.00
J77	JUNCTION	1.31	5.70	1034.16	0	03:10	5.69
J78	JUNCTION	1.04	6.78	1028.22	0	03:09	6.77
J79	JUNCTION	1.32	5.67	1031.82	0	03:09	5.67
J8	JUNCTION	0.64	2.31	877.39	0	03:16	1.60
J80	JUNCTION	0.69	2.22	1016.77	0	03:11	2.22
J81	JUNCTION	0.37	4.63	1019.63	0	03:10	4.62
J82	JUNCTION	0.51	4.27	1018.27	0	03:11	4.21
J83	JUNCTION	0.19	1.02	1020.82	0	03:09	1.02
J84	JUNCTION	0.17	4.75	1022.80	0	03:13	1.64
J85	JUNCTION	0.50	2.12	990.37	0	03:11	2.12
J86	JUNCTION	0.33	1.29	988.45	0	03:11	1.29
J87	JUNCTION	0.60	2.76	989.16	0	03:11	2.76
J88	JUNCTION	0.29	0.86	986.51	0	03:11	0.86
J89	JUNCTION	0.43	1.81	983.33	0	03:11	1.81
J9	JUNCTION	2.92	9.13	884.79	0	03:17	6.94
J90	JUNCTION	0.59	3.41	983.66	0	03:11	3.41
J91	JUNCTION	1.08	1.77	1050.43	0	03:09	1.68
J92	JUNCTION	0.56	2.63	978.58	0	03:11	2.63
J95	JUNCTION	0.85	4.20	977.59	0	03:11	4.19
J96	JUNCTION	0.56	2.56	974.96	0	03:11	2.56
J97	JUNCTION	0.52	2.94	967.64	0	03:11	2.94
J98	JUNCTION	0.40	2.71	965.24	0	03:11	2.70
J99	JUNCTION	0.26	1.06	963.04	0	03:11	1.06
OF1	OUTFALL	0.89	1.96	845.00	0	03:32	1.96
J73	STORAGE	0.35	1.79	1050.37	0	03:09	1.78
SU1	STORAGE	0.64	1.56	949.66	0	03:23	1.56
SU2	STORAGE	0.00	0.02	890.48	0	03:09	0.02

****
Node Inflow Summary
****

Node	Type	Maximum Lateral Inflow CFS	Maximum Total Inflow CFS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10^6 gal	Total Inflow Volume 10^6 gal	Flow Balance Error Percent
J1	JUNCTION	52.33	545.62	0 03:13	1.04	15.4	0.613
J10	JUNCTION	0.00	468.11	0 03:16	0	8.37	0.007
J100	JUNCTION	0.00	99.68	0 03:09	0	2.05	0.091
J101	JUNCTION	16.83	171.56	0 03:11	0.339	3.83	-0.000
J102	JUNCTION	6.16	6.16	0 03:06	0.114	0.114	-0.245
J103	JUNCTION	0.00	2.57	0 03:06	0	0.0931	0.000
J104	JUNCTION	0.00	2.57	0 03:06	0	0.0931	-0.000
J105	JUNCTION	0.00	2.57	0 03:06	0	0.0931	-0.004
J106	JUNCTION	0.00	143.02	0 03:11	0	3.13	0.000
J107	JUNCTION	0.00	3.58	0 03:06	0	0.0213	1.321
J108	JUNCTION	0.00	0.05	0 02:59	0	9.93e-05	0.043
J109	JUNCTION	0.00	0.00	0 00:00	0	0	0.000 gal
J11	JUNCTION	14.15	138.95	0 03:22	0.277	4.63	0.019
J110	JUNCTION	0.00	116.64	0 03:11	0	2.45	-0.000
J111	JUNCTION	0.00	116.61	0 03:11	0	2.45	0.000
J112	JUNCTION	0.00	0.00	0 00:00	0	0	0.000 gal
J113	JUNCTION	0.00	0.08	0 03:06	0	0.000148	0.019
J114	JUNCTION	0.00	0.00	0 00:00	0	0	0.000 gal
J115	JUNCTION	0.00	0.00	0 00:00	0	0	0.000 gal
J116	JUNCTION	0.00	0.00	0 00:00	0	0	0.000 gal
J117	JUNCTION	43.11	97.44	0 03:09	0.926	2.08	0.028

J118	JUNCTION	0.00	11.38	0	03:06	0	0.238
-0.138							
J119	JUNCTION	0.00	11.38	0	03:06	0	0.238
-0.005							
J12	JUNCTION	49.62	146.44	0	03:09	0.981	3.03
-0.046							
J120	JUNCTION	0.00	11.39	0	03:06	0	0.238
0.001							
J121	JUNCTION	0.00	0.01	0	03:00	0	1.33e-05
0.156							
J122	JUNCTION	11.39	11.39	0	03:06	0.238	0.238
-0.001							
J123	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J124	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J125	JUNCTION	23.16	23.16	0	03:06	0.485	0.485
-0.001							
J126	JUNCTION	0.00	23.16	0	03:06	0	0.485
0.001							
J127	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J128	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J129	JUNCTION	0.00	23.17	0	03:06	0	0.485
0.002							
J13	JUNCTION	0.00	240.22	0	03:13	0	6
0.000							
J130	JUNCTION	0.00	23.17	0	03:06	0	0.485
0.003							
J131	JUNCTION	0.00	23.16	0	03:06	0	0.485
-0.001							
J132	JUNCTION	19.92	75.15	0	03:09	0.404	1.58
-0.000							
J133	JUNCTION	16.33	91.33	0	03:09	0.33	1.91
-0.000							
J134	JUNCTION	0.00	47.19	0	03:06	0	0.921
-0.003							
J135	JUNCTION	0.00	91.31	0	03:09	0	1.91
-0.000							
J136	JUNCTION	0.00	90.79	0	03:09	0	1.91
0.000							
J137	JUNCTION	0.00	90.78	0	03:09	0	1.91
-0.000							
J138	JUNCTION	0.00	90.79	0	03:09	0	1.91
-0.000							
J139	JUNCTION	0.00	90.79	0	03:09	0	1.91
0.048							
J14	JUNCTION	0.00	240.22	0	03:13	0	6
0.000							
J140	JUNCTION	0.00	39.80	0	03:12	0	1.14
0.003							
J141	JUNCTION	0.00	39.80	0	03:12	0	1.14
0.001							
J142	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J143	JUNCTION	0.00	82.16	0	03:09	0	1.66
0.000							
J144	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							

```
  J145                 JUNCTION      0.00      0.00      0  00:00            0
0       0.000 gal
  J146                 JUNCTION      0.00      0.00      0  00:00            0
0       0.000 gal
  J147                 JUNCTION      0.00      0.01      0  02:58            0
6.08e-05       0.036
  J148                 JUNCTION      0.00     34.70      0  03:06            0
0.166      -0.730
  J149                 JUNCTION      0.00      0.00      0  00:00            0
0       0.000 gal
  J15                  JUNCTION      0.00    257.97      0  03:13            0
6.49       0.000
  J150                 JUNCTION     16.78     82.19      0  03:09        0.331
1.66      -0.001
  J151                 JUNCTION      0.00    116.63      0  03:11            0
2.45       0.000
  J154                 JUNCTION      0.00     29.66      0  03:09            0
0.627      -0.001
  J155                 JUNCTION      0.00     29.66      0  03:09            0
0.627       0.000
  J156                 JUNCTION      0.00     29.66      0  03:09            0
0.627       0.000
  J157                 JUNCTION      0.00     29.66      0  03:09            0
0.627      -0.000
  J158                 JUNCTION      0.00     29.67      0  03:09            0
0.627       0.017
  J159                 JUNCTION      0.00     29.74      0  03:09            0
0.627       0.000
  J16                  JUNCTION      0.00    257.97      0  03:13            0
6.49       0.000
  J160                 JUNCTION      0.00      0.00      0  00:00            0
0       0.000 gal
  J161                 JUNCTION      0.00      0.00      0  00:00            0
0       0.000 gal
  J162                 JUNCTION      0.00     29.78      0  03:09            0
0.627      -0.000
  J163                 JUNCTION      0.00      0.03      0  03:00            0
0.000231       6.371
  J164                 JUNCTION     29.83     29.83      0  03:09        0.627
0.627      -0.001
  J165                 JUNCTION      0.00      0.00      0  00:00            0
0       0.000 gal
  J166                 JUNCTION      0.00     29.66      0  03:09            0
0.627       0.001
  J167                 JUNCTION      0.00     99.89      0  03:09            0
2.05      -0.010
  J168                 JUNCTION      0.00      0.00      0  00:00            0
0       0.000 gal
  J169                 JUNCTION      0.00      0.00      0  00:00            0
0       0.000 gal
  J17                  JUNCTION     11.10    265.78      0  03:13        0.214
6.7       0.000
  J170                 JUNCTION      0.00      0.00      0  00:00            0
0       0.000 gal
  J171                 JUNCTION      0.00      0.00      0  00:00            0
0       0.000 gal
  J172                 JUNCTION      0.00     29.27      0  03:09            0
0.601       0.001
  J173                 JUNCTION      0.00      0.00      0  00:00            0
0       0.000 gal
```

J174	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J175	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J176	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J177	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J178	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J179	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J18	JUNCTION	0.00	265.78	0	03:13	0	6.7
-0.007							
J180	JUNCTION	0.00	29.23	0	03:09	0	0.601
-0.000							
J181	JUNCTION	0.00	0.02	0	03:07	0	0.000109
0.126							
J182	JUNCTION	0.00	43.60	0	03:06	0	0.92
-0.000							
J183	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J184	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J185	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J186	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J187	JUNCTION	0.00	0.02	0	02:58	0	0.000105
1.471							
J19	JUNCTION	0.00	388.02	0	03:18	0	15.3
0.461							
J2	JUNCTION	0.00	240.23	0	03:13	0	6
0.001							
J20	JUNCTION	0.00	333.84	0	03:32	0	15.2
0.002							
J21	JUNCTION	0.00	240.23	0	03:13	0	6
0.006							
J22	JUNCTION	0.00	240.23	0	03:13	0	6
-0.006							
J23	JUNCTION	0.00	240.37	0	03:13	0	6
0.001							
J24	JUNCTION	0.00	240.69	0	03:13	0	6
-0.000							
J25	JUNCTION	0.00	240.69	0	03:13	0	6
0.000							
J26	JUNCTION	0.00	240.70	0	03:12	0	6
0.001							
J27	JUNCTION	0.00	240.72	0	03:12	0	6
0.008							
J28	JUNCTION	86.94	86.94	0	03:06	1.78	1.78
0.029							
J29	JUNCTION	0.00	91.71	0	03:12	0	2.76
0.000							
J3	JUNCTION	0.00	248.73	0	03:17	0	7.65
0.002							
J30	JUNCTION	0.00	120.70	0	03:09	0	2.93
-0.014							
J31	JUNCTION	0.00	120.67	0	03:09	0	2.93
0.022							

J32		JUNCTION	0.00	167.74	0	03:09	0
3.69	0.427						
J33		JUNCTION	0.00	145.37	0	03:14	0
3.67	-0.000						
J34		JUNCTION	4.90	147.45	0	03:15	0.104
3.78	-0.000						
J35		JUNCTION	0.00	145.37	0	03:14	0
3.67	0.000						
J36		JUNCTION	0.00	147.45	0	03:15	0
3.78	0.000						
J37		JUNCTION	0.00	147.45	0	03:15	0
3.78	0.000						
J38		JUNCTION	7.25	150.83	0	03:15	0.143
3.92	-0.000						
J39		JUNCTION	0.00	150.81	0	03:15	0
3.92	-0.000						
J4		JUNCTION	0.00	290.74	0	03:17	0
7.65	-0.001						
J40		JUNCTION	29.33	29.33	0	03:09	0.601
0.601	-0.001						
J41		JUNCTION	0.00	29.27	0	03:09	0
0.601	0.066						
J42		JUNCTION	0.00	29.24	0	03:09	0
0.601	0.006						
J43		JUNCTION	15.84	43.64	0	03:06	0.32
0.92	0.002						
J44		JUNCTION	0.00	43.62	0	03:06	0
0.92	0.000						
J45		JUNCTION	0.00	43.60	0	03:06	0
0.92	-0.055						
J46		JUNCTION	43.38	43.38	0	03:09	0.904
0.904	-0.001						
J47		JUNCTION	0.00	43.37	0	03:09	0
0.904	0.000						
J48		JUNCTION	0.00	43.37	0	03:09	0
0.904	-0.001						
J49		JUNCTION	0.00	43.35	0	03:09	0
0.904	-0.000						
J5		JUNCTION	0.00	248.78	0	03:17	0
7.65	0.000						
J50		JUNCTION	13.45	56.68	0	03:09	0.272
1.18	0.000						
J51		JUNCTION	0.00	56.46	0	03:09	0
1.18	0.003						
J52		JUNCTION	0.00	56.45	0	03:09	0
1.18	-0.016						
J53		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J54		JUNCTION	29.88	29.88	0	03:09	0.59
0.59	-0.001						
J55		JUNCTION	17.78	47.37	0	03:06	0.331
0.921	0.001						
J56		JUNCTION	0.00	47.35	0	03:06	0
0.921	-0.000						
J57		JUNCTION	0.00	62.73	0	03:06	0
1.23	0.001						
J58		JUNCTION	0.00	47.23	0	03:06	0
0.921	0.000						
J59		JUNCTION	0.00	47.05	0	03:06	0
0.921	-0.009						

J6		JUNCTION	0.00	356.84	0	03:17	0
7.65	0.074						
J60		JUNCTION	16.14	62.74	0	03:06	0.308
1.23	-0.004						
J61		JUNCTION	0.00	62.73	0	03:06	0
1.23	-0.003						
J62		JUNCTION	0.00	62.66	0	03:06	0
1.23	-0.000						
J63		JUNCTION	0.00	62.66	0	03:06	0
1.23	-0.008						
J64		JUNCTION	9.85	72.48	0	03:06	0.195
1.43	0.059						
J65		JUNCTION	0.00	71.59	0	03:07	0
1.42	-0.042						
J66		JUNCTION	0.00	71.42	0	03:08	0
1.42	-0.213						
J67		JUNCTION	0.00	71.58	0	03:07	0
1.42	0.001						
J68		JUNCTION	0.00	100.06	0	03:01	0
1.41	0.169						
J69		JUNCTION	0.00	99.90	0	03:01	0
1.41	0.000						
J7		JUNCTION	0.00	555.31	0	03:16	0
7.71	0.019						
J70		JUNCTION	0.00	88.88	0	03:01	0
1.41	-0.010						
J71		JUNCTION	0.00	71.19	0	03:08	0
1.43	-0.003						
J72		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J74		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J75		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J76		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J77		JUNCTION	5.21	87.24	0	03:09	0.103
1.77	-0.004						
J78		JUNCTION	0.00	69.25	0	02:59	0
1.92	0.012						
J79		JUNCTION	22.27	58.74	0	02:59	0.442
1.92	-0.017						
J8		JUNCTION	0.00	457.19	0	03:16	0
7.67	0.191						
J80		JUNCTION	0.00	57.80	0	03:09	0
1.92	-0.001						
J81		JUNCTION	0.00	60.23	0	03:10	0
0.537	-0.004						
J82		JUNCTION	0.00	60.19	0	03:10	0
0.537	-0.005						
J83		JUNCTION	12.44	12.44	0	03:09	0.248
0.248	0.018						
J84		JUNCTION	0.00	12.43	0	03:09	0
0.248	0.016						
J85		JUNCTION	30.46	141.88	0	03:10	0.587
3.04	-0.000						
J86		JUNCTION	0.00	114.43	0	03:11	0
2.92	0.000						
J87		JUNCTION	0.00	140.52	0	03:11	0
3.04	-0.000						

J88	JUNCTION	0.00	140.52	0	03:11	0	3.04	0.001
J89	JUNCTION	0.00	140.52	0	03:11	0	3.04	-0.000
J9	JUNCTION	0.00	763.64	0	03:15	0	8.41	-0.090
J90	JUNCTION	0.00	140.52	0	03:11	0	3.04	0.000
J91	JUNCTION	0.00	0.36	0	03:06	0	0.000385	44.972
J92	JUNCTION	17.81	156.41	0	03:11	0.351	3.49	-0.000
J95	JUNCTION	0.00	156.41	0	03:11	0	3.49	0.000
J96	JUNCTION	0.00	156.39	0	03:11	0	3.49	-0.001
J97	JUNCTION	0.00	156.38	0	03:11	0	3.49	0.001
J98	JUNCTION	9.69	181.91	0	03:11	0.187	4.03	-0.000
J99	JUNCTION	0.00	181.91	0	03:11	0	4.03	-0.100
OF1	OUTFALL	0.00	333.84	0	03:32	0	15.2	0.000
J73	STORAGE	66.24	66.24	0	03:09	1.33	1.33	0.002
SU1	STORAGE	26.63	205.56	0	03:11	0.526	4.56	0.273
SU2	STORAGE	0.00	0.02	0	03:07	0	3.34e-05	0.120

****
Node Surcharge Summary
****

Surcharging occurs when water rises above the top of the highest conduit.

Node	Type	Hours Surcharged	Max. Height Above Crown Feet	Min. Depth Below Rim Feet
J135	JUNCTION	0.01	0.027	8.483
J187	JUNCTION	0.40	0.670	1.330
J68	JUNCTION	0.23	3.345	0.957
J69	JUNCTION	0.23	3.768	0.000
J70	JUNCTION	0.30	4.967	0.000
J78	JUNCTION	0.52	4.127	0.000
J79	JUNCTION	0.79	3.069	0.000
J84	JUNCTION	0.01	3.030	0.000

****
Node Flooding Summary
****

Flooding refers to all water that overflows a node, whether it ponds or not.

Node	Hours Flooded	Maximum Rate CFS	Time of Max Occurrence days hr:min	Total Flood Volume 10^6 gal	Maximum Ponded Depth Feet
J69	0.01	29.80	0 03:01	0.000	0.137
J70	0.29	37.89	0 03:01	0.012	4.216
J78	0.52	19.00	0 02:59	0.005	2.527
J79	0.63	6.34	0 03:30	0.005	2.119
J84	0.01	2.77	0 03:13	0.000	0.000

****
Storage Volume Summary
****

Storage Unit	Average Volume 1000 ft3	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 ft3	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CFS
J73	0.346	6	0	0	1.788	29	0 03:09	65.72
SU1	78.949	8	0	0	194.452	19	0 03:23	131.97
SU2	0.001	0	0	0	0.004	0	0 03:09	0.00

****
Outfall Loading Summary
****

Outfall Node	Flow Freq Pcnt	Avg Flow CFS	Max Flow CFS	Total Volume 10^6 gal
OF1	93.03	94.46	333.84	15.229
System	93.03	94.46	333.84	15.229

****
Link Flow Summary
****

Link	Type	Maximum |Flow| CFS	Time of Max Occurrence days hr:min	Maximum |Veloc| ft/sec	Max/ Full Flow	Max/ Full Depth
5	CONDUIT	0.00	0 00:00	0.00	0.00	0.00

C1	CHANNEL	333.84	0	03:32	11.15	0.05	0.20
C10	CHANNEL	257.94	0	03:13	12.02	0.39	0.51
C100	CONDUIT	11.38	0	03:06	4.36	0.29	0.53
C101	CHANNEL	11.33	0	03:06	1.44	0.01	0.25
C102	CONDUIT	11.38	0	03:06	6.11	0.21	0.40
C103	CONDUIT	11.39	0	03:06	16.86	0.28	0.41
C104	CONDUIT	0.01	0	03:00	0.12	0.00	0.12
C105	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C106	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C107	CHANNEL	150.81	0	03:15	7.73	0.18	0.52
C108	CONDUIT	23.16	0	03:06	12.43	0.36	0.57
C109	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C110	CONDUIT	0.00	0	00:00	0.00	0.00	0.42
C111	CONDUIT	23.17	0	03:06	8.91	0.92	0.77
C112	CONDUIT	23.17	0	03:06	13.47	0.35	0.55
C113	CONDUIT	23.16	0	03:06	10.29	0.70	0.67
C114	CONDUIT	23.16	0	03:06	10.90	0.37	0.70
C115	CONDUIT	43.31	0	03:09	13.19	0.27	0.47
C116	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C116_2	CONDUIT	48.50	0	03:10	3.01	0.24	0.40
C117	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C118	CONDUIT	55.84	0	03:10	11.58	0.34	0.65
C119	CONDUIT	91.31	0	03:09	13.73	0.27	0.68
C12	CONDUIT	388.02	0	03:18	0.62	0.28	0.77
C120	CONDUIT	90.79	0	03:09	11.35	0.63	0.79
C121	CHANNEL	3.58	0	03:06	4.49	0.07	0.51
C122	CONDUIT	90.79	0	03:09	15.57	0.39	0.42
C122_1	CONDUIT	90.79	0	03:09	12.61	0.49	0.68
C122_2	CONDUIT	90.78	0	03:09	11.82	0.49	0.89
C123	CONDUIT	39.80	0	03:12	15.04	0.23	0.29
C124	CONDUIT	39.80	0	03:12	8.42	0.18	0.32
C125	CONDUIT	39.79	0	03:12	8.12	0.16	0.33
C126	CONDUIT	0.01	0	02:58	0.06	0.00	0.51
C127	CONDUIT	0.00	0	00:00	0.00	0.00	0.45
C127_1	CONDUIT	65.51	0	03:09	11.51	0.40	0.45
C127_2	CONDUIT	82.16	0	03:09	14.84	0.25	0.44
C128	CONDUIT	59.15	0	03:11	27.00	6.57	1.00
C128_1	CONDUIT	0.00	0	00:00	0.00	0.00	0.17
C128_2	CONDUIT	34.32	0	03:06	4.84	0.05	0.17
C128_3	CONDUIT	57.69	0	03:09	7.52	0.89	0.72
C128_4	CONDUIT	116.63	0	03:11	20.68	0.25	0.31
C128_5	CONDUIT	116.61	0	03:11	17.72	0.33	0.51
C128_7	CONDUIT	116.61	0	03:11	12.74	0.25	0.51
C129	CHANNEL	47.36	0	03:07	5.19	0.97	1.00
C13	CONDUIT	265.78	0	03:13	11.88	0.46	0.70
C130	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C130_1	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C131	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C132	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C132_1	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C133	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C134	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C135	CONDUIT	25.81	0	03:06	3.99	0.32	0.53
C136	CONDUIT	5.98	0	03:06	2.70	0.02	0.08
C137	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C138	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C139	CONDUIT	29.66	0	03:09	5.67	0.42	0.71

C14	CHANNEL	266.25	0	03:13	13.82	0.34	0.48
C140	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C141	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C142	CONDUIT	9.47	0	03:08	4.92	0.05	0.18
C143	CONDUIT	18.75	0	03:09	2.29	0.84	0.20
C144	CONDUIT	29.66	0	03:09	10.92	0.15	0.48
C145	CONDUIT	3.18	0	03:02	9.04	6.69	1.00
C146	CONDUIT	40.99	0	03:06	17.79	0.56	0.69
C147	CONDUIT	29.66	0	03:09	11.00	0.24	0.36
C148	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C149	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C15	CHANNEL	240.22	0	03:13	9.08	0.23	0.68
C150	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C151	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C152	CONDUIT	11.12	0	03:04	14.17	1.23	1.00
C153	CONDUIT	29.67	0	03:09	5.43	0.36	0.73
C154	CONDUIT	0.03	0	03:00	0.61	0.00	0.69
C155	CONDUIT	29.78	0	03:09	4.31	0.27	0.69
C156	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C157	CONDUIT	0.00	0	00:00	0.00	0.00	0.36
C158	CONDUIT	29.66	0	03:09	8.00	0.40	0.52
C159	CONDUIT	30.41	0	03:10	1.39	0.01	0.54
C16	CHANNEL	240.22	0	03:13	9.43	0.19	0.45
C160	CONDUIT	29.62	0	03:10	9.90	0.22	0.30
C160_3	CONDUIT	0.00	0	00:00	0.00	0.00	0.18
C161	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C162	CONDUIT	0.00	0	00:00	0.00	0.00	0.27
C163	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C164	CONDUIT	26.68	0	03:09	2.98	1.92	0.44
C165	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C166	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C167	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C168	CONDUIT	26.09	0	03:11	2.14	0.23	0.30
C169	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C169_2	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C169_3	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C169_4	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C17	CHANNEL	240.23	0	03:13	8.20	0.25	0.54
C170	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C170_4	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C170_6	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C171	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C172	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C173	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C174	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C175	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C176	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C177	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C178	CONDUIT	0.00	0	00:00	0.00	0.00	0.44
C179	CONDUIT	0.00	0	00:00	0.00	0.00	0.44
C18	CONDUIT	240.23	0	03:13	8.31	0.91	0.83
C180	CONDUIT	0.00	0	00:00	0.00	0.00	0.22
C181	CONDUIT	29.23	0	03:09	7.10	0.58	0.56
C182	CONDUIT	0.02	0	03:07	0.78	0.01	0.23
C183	CONDUIT	0.02	0	03:07	0.06	0.00	0.53
C184	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C185	CONDUIT	0.00	0	00:00	0.00	0.00	0.00

C186	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C187	CONDUIT	0.02	0	02:58	0.10	0.01	1.00
C188	CONDUIT	0.36	0	03:06	0.50	0.04	0.64
C19	CHANNEL	240.23	0	03:13	3.63	0.12	0.59
C2	CHANNEL	243.82	0	03:17	10.93	0.13	0.33
C20	CHANNEL	240.37	0	03:13	6.71	0.06	0.41
C21	CHANNEL	240.69	0	03:13	7.59	0.13	0.45
C22	CHANNEL	240.69	0	03:13	8.06	0.21	0.52
C23	CHANNEL	240.70	0	03:12	11.56	0.16	0.45
C24	CONDUIT	52.20	0	03:06	20.34	0.54	0.76
C25	CONDUIT	91.71	0	03:12	13.11	0.29	0.49
C26	CHANNEL	120.67	0	03:09	4.68	0.27	0.77
C27	CONDUIT	120.54	0	03:09	6.78	0.30	0.81
C28	CONDUIT	145.37	0	03:14	10.67	0.25	0.57
C29	CONDUIT	147.45	0	03:15	14.44	0.24	0.43
C29_1	CONDUIT	145.37	0	03:14	18.14	0.23	0.33
C29_2	CONDUIT	145.33	0	03:15	18.12	0.23	0.33
C3	CHANNEL	290.74	0	03:17	5.60	0.12	0.61
C3_1	CONDUIT	248.78	0	03:17	8.09	0.23	0.56
C3_2	CONDUIT	248.73	0	03:17	13.90	0.17	0.28
C30	CHANNEL	147.45	0	03:15	7.68	0.22	0.40
C31	CHANNEL	147.45	0	03:15	5.21	0.04	0.33
C32	CONDUIT	150.81	0	03:15	6.15	0.13	0.61
C33	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C33_1	CONDUIT	29.27	0	03:09	11.56	0.48	0.52
C33_2	CONDUIT	29.27	0	03:09	8.21	0.21	0.50
C34	CONDUIT	29.24	0	03:09	6.14	1.12	0.64
C35	CONDUIT	29.23	0	03:09	9.05	0.31	0.47
C36	CONDUIT	43.62	0	03:06	12.88	0.32	0.48
C37	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C37_1	CONDUIT	43.60	0	03:06	14.32	0.29	0.45
C37_2	CONDUIT	43.60	0	03:06	9.55	0.54	0.62
C38	CONDUIT	43.37	0	03:09	8.73	0.78	0.66
C39	CONDUIT	43.37	0	03:09	8.74	0.37	0.66
C4	CONDUIT	555.31	0	03:16	7.06	0.46	0.87
C4_1	CHANNEL	457.19	0	03:16	16.79	0.60	0.60
C4_2	CHANNEL	356.84	0	03:17	14.07	0.12	0.33
C40	CONDUIT	43.35	0	03:09	9.27	0.40	0.63
C41	CONDUIT	56.46	0	03:09	15.58	0.38	0.51
C42	CONDUIT	56.45	0	03:09	10.41	0.39	0.72
C43	CONDUIT	0.00	0	00:00	0.00	0.00	0.30
C44	CONDUIT	29.87	0	03:09	13.75	0.34	0.44
C45	CONDUIT	47.35	0	03:06	19.05	0.24	0.39
C46	CONDUIT	75.15	0	03:09	15.54	0.20	0.32
C46_1	CONDUIT	21.38	0	03:06	4.12	0.35	0.77
C46_2	CHANNEL	0.08	0	03:06	1.68	0.00	0.11
C47	CONDUIT	47.23	0	03:06	12.79	0.34	0.46
C48	CONDUIT	47.04	0	03:06	13.59	0.33	0.53
C49	CONDUIT	62.66	0	03:06	11.22	0.67	0.77
C5	CHANNEL	763.64	0	03:15	10.10	0.15	0.69
C50	CONDUIT	62.66	0	03:06	17.41	0.49	0.50
C51	CHANNEL	62.63	0	03:06	5.17	0.30	0.78
C52	CONDUIT	71.59	0	03:07	6.86	0.67	0.82
C53	CONDUIT	100.06	0	03:01	15.63	0.55	1.00
C53_1	CHANNEL	71.58	0	03:07	8.30	0.20	0.50
C53_2	CHANNEL	71.42	0	03:08	6.36	0.45	0.86
C54	CONDUIT	99.90	0	03:01	15.64	1.92	1.00

C55	CONDUIT	88.88	0	03:01	13.89	0.96	1.00
C56	CONDUIT	61.72	0	03:08	13.97	1.03	0.60
C57	CONDUIT	0.00	0	00:00	0.00	0.00	0.32
C58	CONDUIT	0.00	0	00:00	0.00	0.00	0.08
C59	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C6	CHANNEL	138.92	0	03:23	9.98	0.14	0.60
C60	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C61_1	CONDUIT	46.05	0	03:29	9.38	1.28	1.00
C61_2	CONDUIT	69.25	0	02:59	14.11	1.00	1.00
C63	CONDUIT	57.80	0	03:09	11.86	1.24	0.97
C64	CONDUIT	42.55	0	03:06	19.42	1.74	1.00
C65	CONDUIT	12.43	0	03:09	12.18	0.36	0.68
C66	CONDUIT	12.43	0	03:09	15.11	0.31	1.00
C67	CHANNEL	114.43	0	03:11	8.58	0.46	0.53
C68	CHANNEL	114.43	0	03:11	7.54	0.21	0.57
C69	CHANNEL	140.52	0	03:11	10.48	0.09	0.53
C7	CHANNEL	146.38	0	03:09	7.58	0.07	0.57
C70	CHANNEL	140.52	0	03:11	15.35	0.08	0.39
C71	CHANNEL	140.52	0	03:11	10.69	0.19	0.55
C72_1	CONDUIT	140.50	0	03:11	8.52	0.26	0.69
C73	CONDUIT	2.57	0	03:06	4.72	0.27	0.38
C73_2	CONDUIT	143.01	0	03:11	9.54	0.32	0.63
C75	CHANNEL	156.41	0	03:11	9.21	0.43	0.85
C77	CONDUIT	156.39	0	03:11	7.04	0.22	0.93
C78	CHANNEL	156.38	0	03:11	12.82	0.41	0.73
C79	CONDUIT	181.91	0	03:11	8.79	0.23	0.63
C8	CONDUIT	240.21	0	03:14	7.58	1.02	0.70
C80	CHANNEL	131.97	0	03:23	11.79	0.17	0.40
C80_2	CHANNEL	98.90	0	03:10	7.29	0.07	0.32
C80_3	CONDUIT	71.19	0	03:08	12.62	0.03	0.16
C80_4	CONDUIT	99.68	0	03:09	9.14	0.04	0.29
C81	CONDUIT	181.74	0	03:11	12.32	0.14	0.41
C82	CONDUIT	2.57	0	03:06	5.96	0.59	0.55
C82_1	CONDUIT	156.34	0	03:11	7.07	0.21	0.67
C82_2	CONDUIT	171.56	0	03:11	8.23	0.30	0.63
C83	CONDUIT	2.57	0	03:06	4.34	0.17	0.62
C85	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C85_1	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C86	CONDUIT	34.70	0	03:06	10.61	0.13	0.32
C87	CONDUIT	0.05	0	02:59	0.12	0.01	0.68
C88	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C89	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C9	CHANNEL	257.97	0	03:13	11.96	0.14	0.51
C90	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C91	CONDUIT	82.09	0	03:09	6.75	0.36	0.73
C92	CHANNEL	2.81	0	03:09	3.15	0.06	0.50
C93	CONDUIT	0.08	0	03:06	0.05	0.00	0.26
C94	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C95	CONDUIT	62.73	0	03:06	15.00	0.38	0.57
C96	CONDUIT	62.73	0	03:06	12.77	0.31	0.67
C97	CHANNEL	0.00	0	00:00	0.00	0.00	0.20
C97_1	CHANNEL	43.55	0	03:07	1.88	0.05	0.31
C97_2	CHANNEL	96.63	0	03:10	3.77	0.12	0.33
C98	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C99	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C11	WEIR	333.84	0	03:32			0.64
C84	WEIR	2.57	0	03:06			0.07

****
Flow Classification Summary
****

Conduit	Adjusted /Actual Length	Fraction of Time in Flow Class: Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
5	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1	1.00	0.06	0.00	0.00	0.02	0.93	0.00	0.00	0.02	0.00
C10	1.00	0.02	0.00	0.00	0.16	0.82	0.00	0.00	0.00	0.00
C100	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
C101	1.00	0.01	0.00	0.00	0.98	0.01	0.00	0.00	0.91	0.00
C102	1.00	0.01	0.00	0.00	0.00	0.72	0.00	0.27	0.42	0.00
C103	1.00	0.01	0.00	0.00	0.00	0.17	0.00	0.82	0.08	0.00
C104	1.00	0.87	0.05	0.00	0.07	0.00	0.00	0.00	0.73	0.00
C105	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C106	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C107	1.00	0.01	0.00	0.00	0.83	0.16	0.00	0.00	0.93	0.00
C108	1.00	0.02	0.00	0.00	0.00	0.66	0.00	0.33	0.34	0.00
C109	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C110	1.00	0.42	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C111	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00
C112	1.00	0.02	0.00	0.00	0.00	0.65	0.00	0.33	0.33	0.00
C113	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00
C114	1.00	0.02	0.18	0.00	0.14	0.66	0.00	0.00	0.90	0.00
C115	1.00	0.04	0.00	0.00	0.19	0.77	0.00	0.00	0.87	0.00
C116	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C116_2	1.00	0.91	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00
C117	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C118	1.00	0.04	0.00	0.00	0.18	0.78	0.00	0.00	0.00
0.00									
C119	1.00	0.04	0.18	0.00	0.01	0.77	0.00	0.00	0.88
0.00									
C12	1.00	0.03	0.03	0.00	0.95	0.00	0.00	0.00	0.00
0.00									
C120	1.00	0.04	0.00	0.00	0.00	0.00	0.00	0.96	0.00
0.00									
C121	1.00	0.21	0.71	0.00	0.03	0.05	0.00	0.00	0.74
0.00									
C122	1.00	0.05	0.13	0.00	0.10	0.73	0.00	0.00	0.51
0.00									
C122_1	1.00	0.22	0.00	0.00	0.01	0.77	0.00	0.00	0.85
0.00									
C122_2	1.00	0.17	0.05	0.00	0.05	0.73	0.00	0.00	0.48
0.00									
C123	1.00	0.05	0.00	0.00	0.00	0.00	0.00	0.95	0.00
0.00									
C124	1.00	0.16	0.00	0.00	0.00	0.14	0.00	0.70	0.01
0.00									
C125	1.00	0.15	0.00	0.00	0.00	0.00	0.00	0.85	0.00
0.00									
C126	1.00	0.15	0.44	0.00	0.40	0.00	0.00	0.00	0.59
0.00									
C127	1.00	0.15	0.85	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C127_1	1.00	0.06	0.00	0.00	0.17	0.76	0.00	0.00	0.01
0.00									
C127_2	1.00	0.13	0.03	0.00	0.06	0.79	0.00	0.00	0.78
0.00									
C128	1.00	0.06	0.01	0.00	0.76	0.17	0.00	0.00	0.01
0.00									
C128_1	1.00	0.30	0.70	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C128_2	1.00	0.30	0.00	0.00	0.00	0.00	0.00	0.70	0.00
0.00									
C128_3	1.00	0.06	0.01	0.00	0.27	0.66	0.00	0.00	0.11
0.00									
C128_4	1.00	0.06	0.00	0.00	0.00	0.94	0.00	0.00	0.50
0.00									
C128_5	1.00	0.06	0.00	0.00	0.00	0.94	0.00	0.00	0.29
0.00									
C128_7	1.00	0.05	0.01	0.00	0.23	0.71	0.00	0.00	0.86
0.00									
C129	1.00	0.02	0.03	0.00	0.54	0.41	0.00	0.00	0.79
0.00									
C13	1.00	0.02	0.00	0.00	0.24	0.74	0.00	0.00	0.91
0.00									
C130	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C130_1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C131	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C132	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C132_1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C133	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

C134	1.00	0.95	0.05	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C135	1.00	0.16	0.00	0.00	0.00	0.00	0.00	0.84	0.00
0.00									
C136	1.00	0.97	0.00	0.00	0.00	0.00	0.00	0.03	0.00
0.00									
C137	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C138	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C139	1.00	0.08	0.00	0.00	0.25	0.68	0.00	0.00	0.79
0.00									
C14	1.00	0.02	0.00	0.00	0.39	0.59	0.00	0.00	0.71
0.00									
C140	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C141	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C142	1.00	0.95	0.03	0.00	0.00	0.00	0.00	0.02	0.73
0.00									
C143	1.00	0.85	0.00	0.00	0.00	0.00	0.00	0.15	0.00
0.00									
C144	1.00	0.07	0.00	0.00	0.05	0.88	0.00	0.00	0.84
0.00									
C145	1.00	0.07	0.00	0.00	0.11	0.82	0.00	0.00	0.00
0.00									
C146	1.00	0.03	0.00	0.00	0.15	0.83	0.00	0.00	0.01
0.00									
C147	1.00	0.07	0.00	0.00	0.20	0.72	0.00	0.00	0.81
0.00									
C148	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C149	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C15	1.00	0.02	0.00	0.00	0.00	0.98	0.00	0.00	0.36
0.00									
C150	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C151	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C152	1.00	0.06	0.00	0.00	0.13	0.81	0.00	0.00	0.00
0.00									
C153	1.00	0.06	0.02	0.00	0.90	0.01	0.00	0.00	0.84
0.00									
C154	1.00	0.05	0.13	0.00	0.81	0.00	0.00	0.00	0.38
0.00									
C155	1.00	0.05	0.13	0.00	0.81	0.01	0.00	0.00	0.86
0.00									
C156	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C157	1.00	0.07	0.93	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C158	1.00	0.08	0.00	0.00	0.05	0.88	0.00	0.00	0.00
0.00									
C159	1.00	0.06	0.91	0.00	0.03	0.00	0.00	0.00	0.74
0.00									
C16	1.00	0.02	0.00	0.00	0.07	0.91	0.00	0.00	0.00
0.00									
C160	1.00	0.03	0.04	0.00	0.06	0.86	0.00	0.00	0.06
0.00									

C160_3	1.00	0.93	0.07	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C161	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C162	1.00	0.25	0.75	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C163	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C164	1.00	0.42	0.00	0.00	0.00	0.00	0.00	0.58	0.00
0.00									
C165	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C166	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C167	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C168	1.00	0.93	0.00	0.00	0.00	0.00	0.00	0.07	0.00
0.00									
C169	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C169_2	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C169_3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C169_4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C17	1.00	0.02	0.00	0.00	0.93	0.05	0.00	0.00	0.91
0.00									
C170	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C170_4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C170_6	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C171	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C172	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C173	1.00	0.03	0.97	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C174	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C175	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C176	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C177	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C178	1.00	0.05	0.95	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C179	1.00	0.05	0.95	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C18	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00
0.87									
C180	1.00	0.91	0.09	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C181	1.00	0.04	0.01	0.00	0.00	0.01	0.00	0.94	0.00
0.00									
C182	1.00	0.22	0.02	0.00	0.04	0.00	0.00	0.72	0.01
0.00									

C183	1.00	0.11	0.09	0.00	0.54	0.00	0.00	0.27	0.21
0.00									
C184	1.00	0.02	0.98	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C185	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C186	1.00	0.02	0.98	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C187	1.00	0.04	0.02	0.00	0.94	0.00	0.00	0.00	0.48
0.00									
C188	1.00	0.31	0.60	0.00	0.09	0.00	0.01	0.00	0.73
0.00									
C19	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00
0.00									
C2	1.00	0.03	0.06	0.00	0.35	0.57	0.00	0.00	0.38
0.00									
C20	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.80
0.00									
C21	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.92
0.00									
C22	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.93
0.00									
C23	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.00
0.00									
C24	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
C25	1.00	0.01	0.10	0.00	0.21	0.68	0.00	0.00	0.93
0.00									
C26	1.00	0.01	0.00	0.00	0.19	0.03	0.00	0.76	0.11
0.00									
C27	1.00	0.02	0.00	0.00	0.21	0.07	0.00	0.71	0.00
0.30									
C28	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00
0.00									
C29	1.00	0.00	0.00	0.00	0.32	0.68	0.00	0.00	0.97
0.00									
C29_1	1.00	0.02	0.00	0.00	0.03	0.95	0.00	0.00	0.52
0.00									
C29_2	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00
0.00									
C3	1.00	0.08	0.00	0.00	0.59	0.33	0.00	0.00	0.40
0.00									
C3_1	1.00	0.08	0.00	0.00	0.92	0.00	0.00	0.00	0.00
0.84									
C3_2	1.00	0.08	0.00	0.00	0.24	0.67	0.00	0.00	0.83
0.00									
C30	1.00	0.00	0.00	0.00	0.06	0.93	0.00	0.00	0.00
0.00									
C31	1.00	0.01	0.00	0.00	0.81	0.18	0.00	0.00	0.52
0.00									
C32	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00
0.97									
C33	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C33_1	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	0.00
0.00									
C33_2	1.00	0.03	0.19	0.00	0.07	0.70	0.00	0.02	0.88
0.00									
C34	1.00	0.05	0.00	0.00	0.23	0.00	0.00	0.72	0.45
0.00									

C35	1.00	0.05	0.00	0.00	0.00	0.62	0.00	0.33	0.30
0.00									
C36	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
C37	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C37_1	1.00	0.01	0.00	0.00	0.17	0.81	0.00	0.00	0.53
0.00									
C37_2	1.00	0.01	0.14	0.00	0.67	0.17	0.00	0.00	0.94
0.00									
C38	1.00	0.04	0.00	0.00	0.20	0.76	0.00	0.00	0.00
0.00									
C39	1.00	0.04	0.00	0.00	0.19	0.77	0.00	0.00	0.88
0.00									
C4	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00	0.01
0.00									
C4_1	1.00	0.07	0.00	0.00	0.00	0.93	0.00	0.00	0.00
0.00									
C4_2	1.00	0.07	0.00	0.00	0.00	0.92	0.00	0.00	0.55
0.00									
C40	1.00	0.04	0.00	0.00	0.18	0.78	0.00	0.00	0.45
0.00									
C41	1.00	0.04	0.00	0.00	0.00	0.00	0.00	0.96	0.00
0.00									
C42	1.00	0.05	0.00	0.00	0.00	0.63	0.00	0.33	0.30
0.00									
C43	1.00	0.37	0.63	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C44	1.00	0.06	0.00	0.00	0.00	0.00	0.00	0.94	0.00
0.00									
C45	1.00	0.02	0.00	0.00	0.00	0.06	0.00	0.92	0.02
0.00									
C46	1.00	0.22	0.00	0.00	0.02	0.76	0.00	0.00	0.88
0.00									
C46_1	1.00	0.03	0.13	0.00	0.84	0.00	0.00	0.00	0.90
0.00									
C46_2	1.00	0.97	0.00	0.00	0.00	0.00	0.00	0.03	0.00
0.00									
C47	1.00	0.16	0.04	0.00	0.05	0.76	0.00	0.00	0.49
0.00									
C48	1.00	0.03	0.00	0.00	0.00	0.10	0.00	0.87	0.04
0.00									
C49	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00
0.00									
C5	1.00	0.06	0.00	0.00	0.93	0.01	0.00	0.00	0.78
0.00									
C50	1.00	0.02	0.14	0.00	0.10	0.74	0.00	0.00	0.91
0.00									
C51	1.00	0.02	0.00	0.00	0.77	0.21	0.00	0.00	0.38
0.00									
C52	1.00	0.03	0.07	0.00	0.91	0.00	0.00	0.00	0.00
0.83									
C53	1.00	0.03	0.00	0.00	0.24	0.11	0.00	0.62	0.00
0.87									
C53_1	1.00	0.03	0.00	0.00	0.08	0.89	0.00	0.00	0.43
0.00									
C53_2	1.00	0.03	0.00	0.00	0.62	0.35	0.00	0.00	0.32
0.00									
C54	1.00	0.03	0.00	0.00	0.24	0.73	0.00	0.00	0.10
0.00									

C55	1.00	0.03	0.00	0.00	0.04	0.57	0.00	0.36	0.28
0.00									
C56	1.00	0.03	0.00	0.00	0.17	0.80	0.00	0.00	0.02
0.00									
C57	1.00	0.37	0.63	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C58	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C59	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C6	1.00	0.06	0.03	0.00	0.17	0.74	0.00	0.00	0.28
0.00									
C60	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C61_1	1.00	0.06	0.00	0.00	0.69	0.00	0.00	0.25	0.00
0.32									
C61_2	1.00	0.05	0.00	0.00	0.23	0.20	0.00	0.51	0.00
0.48									
C63	1.00	0.05	0.00	0.00	0.00	0.00	0.00	0.95	0.00
0.00									
C64	1.00	0.06	0.19	0.00	0.13	0.60	0.00	0.02	0.81
0.00									
C65	1.00	0.05	0.00	0.00	0.00	0.01	0.00	0.94	0.00
0.00									
C66	1.00	0.06	0.00	0.00	0.02	0.04	0.00	0.89	0.02
0.00									
C67	1.00	0.05	0.00	0.00	0.32	0.63	0.00	0.00	0.49
0.00									
C68	1.00	0.06	0.00	0.00	0.43	0.51	0.00	0.00	0.85
0.00									
C69	1.00	0.06	0.00	0.00	0.00	0.93	0.00	0.00	0.50
0.00									
C7	1.00	0.05	0.00	0.00	0.43	0.51	0.00	0.00	0.83
0.00									
C70	1.00	0.07	0.00	0.00	0.00	0.93	0.00	0.00	0.33
0.00									
C71	1.00	0.07	0.00	0.00	0.00	0.93	0.00	0.00	0.31
0.00									
C72_1	1.00	0.05	0.02	0.00	0.23	0.70	0.00	0.00	0.00
0.85									
C73	1.00	0.05	0.00	0.00	0.00	0.00	0.00	0.95	0.00
0.00									
C73_2	1.00	0.02	0.03	0.00	0.30	0.65	0.00	0.00	0.87
0.00									
C75	1.00	0.02	0.00	0.00	0.00	0.98	0.00	0.00	0.35
0.00									
C77	1.00	0.03	0.00	0.00	0.97	0.01	0.00	0.00	0.00
0.91									
C78	1.00	0.03	0.00	0.00	0.00	0.97	0.00	0.00	0.06
0.00									
C79	1.00	0.03	0.00	0.00	0.15	0.81	0.00	0.00	0.61
0.00									
C8	1.00	0.02	0.01	0.00	0.98	0.00	0.00	0.00	0.00
0.33									
C80	1.00	0.05	0.00	0.00	0.10	0.86	0.00	0.00	0.06
0.00									
C80_2	1.00	0.04	0.00	0.00	0.01	0.95	0.00	0.00	0.30
0.00									
C80_3	1.00	0.03	0.02	0.00	0.21	0.74	0.00	0.00	0.82
0.00									

C80_4	1.00	0.03	0.00	0.00	0.72	0.24	0.00	0.00	0.87
0.00									
C81	1.00	0.03	0.00	0.00	0.69	0.28	0.00	0.00	0.74
0.00									
C82	1.00	0.05	0.00	0.00	0.21	0.75	0.00	0.00	0.00
0.00									
C82_1	1.00	0.03	0.00	0.00	0.31	0.66	0.00	0.00	0.00
0.90									
C82_2	1.00	0.03	0.00	0.00	0.09	0.88	0.00	0.00	0.13
0.00									
C83	1.00	0.05	0.20	0.00	0.28	0.47	0.00	0.00	0.83
0.00									
C85	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C85_1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C86	1.00	0.30	0.65	0.00	0.00	0.04	0.00	0.00	0.75
0.00									
C87	1.00	0.06	0.49	0.00	0.45	0.00	0.00	0.00	0.59
0.00									
C88	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C89	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C9	1.00	0.02	0.00	0.00	0.19	0.79	0.00	0.00	0.92
0.00									
C90	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C91	1.00	0.06	0.07	0.00	0.87	0.00	0.00	0.00	0.85
0.00									
C92	1.00	0.21	0.00	0.00	0.00	0.00	0.00	0.79	0.00
0.00									
C93	1.00	0.03	0.94	0.00	0.03	0.00	0.00	0.00	0.75
0.00									
C94	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C95	1.00	0.02	0.00	0.00	0.14	0.83	0.00	0.00	0.38
0.00									
C96	1.00	0.16	0.00	0.00	0.00	0.36	0.00	0.49	0.15
0.00									
C97	1.00	0.01	0.99	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C97_1	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.91
0.00									
C97_2	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.28
0.00									
C98	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C99	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

****
Conduit Surcharge Summary
****

	Hours Full		Hours Above Full	Hours Capacity

Conduit	Both Ends	Upstream	Dnstream	Normal Flow	Limited
C114	0.01	0.01	0.11	0.01	0.01
C118	0.01	0.09	0.01	0.01	0.01
C119	0.01	0.01	0.01	0.01	0.01
C120	0.01	0.01	0.01	0.01	0.01
C128	0.22	0.34	0.22	0.42	0.22
C129	0.16	0.16	1.28	0.01	0.01
C145	0.29	4.18	0.29	4.29	0.29
C146	0.01	0.16	0.01	0.01	0.01
C152	0.18	1.33	0.18	0.44	0.18
C153	0.01	0.01	0.50	0.01	0.01
C155	0.01	0.01	0.96	0.01	0.01
C159	0.01	0.01	8.90	0.01	0.01
C164	0.01	0.01	0.01	0.38	0.01
C18	0.01	0.24	0.01	0.01	0.01
C187	0.40	0.40	0.47	0.01	0.01
C188	0.01	0.01	0.23	0.01	0.01
C24	0.01	0.34	0.01	0.01	0.01
C34	0.01	0.01	0.01	0.13	0.01
C4_1	0.01	0.01	0.01	0.01	0.01
C42	0.01	0.01	0.08	0.01	0.01
C46_1	0.01	0.01	0.52	0.01	0.01
C49	0.01	0.22	0.01	0.01	0.01
C5	0.01	0.01	0.13	0.01	0.01
C51	0.01	0.01	0.36	0.01	0.01
C52	0.01	0.16	0.01	0.01	0.01
C53	0.23	0.47	0.23	0.01	0.01
C53_2	0.01	0.01	0.33	0.01	0.01
C54	0.22	0.25	0.23	0.23	0.22
C55	0.23	0.23	0.30	0.01	0.01
C56	0.01	0.31	0.01	0.14	0.01
C61_1	0.71	0.71	0.79	0.45	0.53
C61_2	0.52	0.83	0.52	0.01	0.01
C63	0.01	0.52	0.01	0.52	0.01
C64	0.29	0.29	0.34	0.27	0.26
C65	0.01	0.01	0.01	0.01	0.01
C66	0.01	0.01	0.26	0.01	0.01
C72_1	0.01	0.18	0.01	0.01	0.01
C75	0.01	0.01	0.17	0.01	0.01
C77	0.01	0.40	0.01	0.01	0.01
C8	0.01	0.01	0.01	0.08	0.01
C82	0.01	0.41	0.01	0.01	0.01
C83	0.01	0.01	0.18	0.01	0.01
C91	0.01	0.01	0.55	0.01	0.01
C96	0.01	0.01	0.19	0.01	0.01

Analysis begun on: Wed Sep 14 15:03:16 2022
Analysis ended on: Wed Sep 14 15:03:29 2022
Total elapsed time: 00:00:13

ALTERNATIVE RUNOFF METHOD (ARM) - PCSWMM VERSION 7.4.3240

This is a new version of ARM - your feedback and suggestions are solicited.
Create a ticket, post on the PCSWMM feature request forum, or email us directly!

Simulation start time:	11/01/2021 00:00:00
Simulation end time:	11/01/2021 12:00:00
Runoff wet weather time steps:	60 seconds
Report time steps:	180 seconds
Number of data points:	241

Unit Hydrographs Runoff Method

Subcatchment	Runoff Method	Time to Peak (min)	Time after Peak (min)	Peak UH Flow (CFS/in)	Raingage	Area UH (ac)	Depth (in)	Time of Concentration (min)
Basin1West	Dimensionless UH (483.4)	6.5	26.66	59.46517	5YR_6HR_SCS_Type_III_3.45in	8.529	0.995	10
Basin2West	Dimensionless UH (483.4)	5.3	21.33	255.37543	5YR_6HR_SCS_Type_III_3.45in	29.866	0.991	8
Basin3West	Dimensionless UH (483.4)	7.7	31.99	72.9573	5YR_6HR_SCS_Type_III_3.45in	12.396	0.997	12
Basin4West	Dimensionless UH (483.4)	4.7	18.66	53.3797	5YR_6HR_SCS_Type_III_3.45in	5.536	0.991	7
Basin7East	Dimensionless UH (483.4)	5.9	23.99	182.32732	5YR_6HR_SCS_Type_III_3.45in	23.737	0.993	9
Basin10East	Dimensionless UH (483.4)	5.3	21.33	76.1355	5YR_6HR_SCS_Type_III_3.45in	8.904	0.991	8
Basin5Central	Dimensionless UH (483.4)	5.9	23.99	197.04439	5YR_6HR_SCS_Type_III_3.45in	25.653	0.993	9
Basin6East	Dimensionless UH (483.4)	5.9	23.99	114.31079	5YR_6HR_SCS_Type_III_3.45in	14.882	0.993	9
Basin6Central	Dimensionless UH (483.4)	5.3	21.33	38.03355	5YR_6HR_SCS_Type_III_3.45in	4.448	0.991	8
Basin3Central	Dimensionless UH (483.4)	3.5	13.33	72.43231	5YR_6HR_SCS_Type_III_3.45in	5.594	0.994	5
Basin2Central	Dimensionless UH (483.4)	2.3	8	121.61188	5YR_6HR_SCS_Type_III_3.45in	6.172	0.992	3
Basin1Central	Dimensionless UH (483.4)	5.3	21.33	121.54831	5YR_6HR_SCS_Type_III_3.45in	14.215	0.991	8
Basin4Central	Dimensionless UH (483.4)	7.7	31.99	83.99271	5YR_6HR_SCS_Type_III_3.45in	14.271	0.997	12
Basin4East	Dimensionless UH (483.4)	6.5	26.66	53.78987	5YR_6HR_SCS_Type_III_3.45in	7.715	0.995	10
Basin9East	Dimensionless UH (483.4)	4.7	18.66	41.01829	5YR_6HR_SCS_Type_III_3.45in	4.254	0.991	7
Basin5East	Dimensionless UH (483.4)	3.5	13.33	31.95619	5YR_6HR_SCS_Type_III_3.45in	2.468	0.994	5
Basin8East	Dimensionless UH (483.4)	4.7	18.66	128.8981	5YR_6HR_SCS_Type_III_3.45in	13.368	0.991	7

Basin3East	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			10.054
8	5.3	21.33		85.96881	0.991	
Basin3.1East	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			5.642
9	5.9	23.99		43.33701	0.993	
Basin2East	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			7.984
8	5.3	21.33		68.26885	0.991	
Basin1East	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			32.052
10	6.5	26.66		223.47024	0.995	
Basin1.1West	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			18.843
11.5	7.4	30.66		115.39746	0.995	
Basin1.2West	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			5.956
10	6.5	26.66		41.52592	0.995	
Basin2.1West	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			7.295
10	6.5	26.66		50.86158	0.995	
Basin3.4West	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			11.605
10	6.5	26.66		80.9114	0.995	
Basin3.3West	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			5.053
6	4.1	16		55.8526	0.993	
Basin3.5West	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			12.351
13	8.3	34.66		67.43758	0.999	
Basin3.2West	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			3.736
8	5.3	21.33		31.94544	0.991	
Basin3.1West	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			1.463
3	2.3	8		28.82667	0.992	
Basin5West	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			2.28
4	2.9	10.66		35.62991	0.991	
Basin6West	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			8.24
9	5.9	23.99		63.29263	0.993	
Basin3.2East	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			2.469
9	5.9	23.99		18.96474	0.993	
Basin1.1Central	Dimensionless UH (483.4)		5YR_6HR_SCS_Type_III_3.45in			6.376
7	4.7	18.66		61.47922	0.991	

****
ARM Runoff Summary
****

Subcatchment	Total Precip (in)	Total Losses (in)	Total Runoff (in)	Total Runoff 10^6 gal	Peak Runoff CFS	Runoff Coeff (fraction)
Basin1West	3.45	1.174	2.276	0.527	25.867	0.66
Basin2West	3.45	0.683	2.766	2.243	109.151	0.802
Basin3West	3.45	1.782	1.668	0.561	26.801	0.483
Basin4West	3.45	1.533	1.917	0.288	15.197	0.556
Basin7East	3.45	1.312	2.137	1.377	69.378	0.619
Basin10East	3.45	1.853	1.597	0.386	20.088	0.463

Basin5Central	3.45	1.548	1.901	1.324	67.243
0.551					
Basin6East	3.45	1.671	1.778	0.718	36.553
0.515					
Basin6Central	3.45	1.312	2.137	0.258	13.219
0.619					
Basin3Central	3.45	0.861	2.588	0.393	20.281
0.75					
Basin2Central	3.45	0.899	2.532	0.424	22.337
0.734					
Basin1Central	3.45	1.412	2.037	0.786	40.474
0.59					
Basin4Central	3.45	1.312	2.137	0.828	39.298
0.619					
Basin4East	3.45	1.312	2.138	0.448	22.111
0.62					
Basin9East	3.45	1.312	2.137	0.247	12.892
0.619					
Basin5East	3.45	1.218	2.231	0.15	7.979
0.647					
Basin8East	3.45	1.312	2.137	0.776	40.512
0.619					
Basin3East	3.45	1.312	2.137	0.583	29.879
0.619					
Basin3.1East	3.45	1.312	2.137	0.327	16.49
0.619					
Basin2East	3.45	1.412	2.037	0.442	22.733
0.591					
Basin1East	3.45	1.412	2.039	1.774	87.83
0.591					
Basin1.1West	3.45	1.148	2.303	1.178	56.151
0.667					
Basin1.2West	3.45	1.244	2.207	0.357	17.568
0.64					
Basin2.1West	3.45	1.261	2.189	0.434	21.365
0.635					
Basin3.4West	3.45	0.994	2.457	0.774	37.568
0.712					
Basin3.3West	3.45	0.539	2.906	0.399	19.485
0.842					
Basin3.5West	3.45	1.388	2.063	0.692	32.301
0.598					
Basin3.2West	3.45	0.529	2.921	0.296	14.115
0.847					
Basin3.1West	3.45	0.233	3.193	0.127	5.934
0.926					
Basin5West	3.45	0.56	2.89	0.179	8.913
0.838					
Basin6West	3.45	0.714	2.735	0.612	29.352
0.793					
Basin3.2East	3.45	1.396	2.053	0.138	6.96
0.595					
Basin1.1Central	3.45	0.861	2.588	0.448	22.562
0.75					

```
WARNING 03: negative offset ignored for Link C122_2
WARNING 03: negative offset ignored for Link C124
WARNING 03: negative offset ignored for Link C125
WARNING 03: negative offset ignored for Link C127_1
WARNING 03: negative offset ignored for Link C127_2
WARNING 04: minimum elevation drop used for Conduit C141
WARNING 04: minimum elevation drop used for Conduit C143
WARNING 04: minimum elevation drop used for Conduit C150
WARNING 04: minimum elevation drop used for Conduit C164
WARNING 03: negative offset ignored for Link C8
WARNING 03: negative offset ignored for Link C89
WARNING 04: minimum elevation drop used for Conduit C89
WARNING 03: negative offset ignored for Link C90
WARNING 02: maximum depth increased for Node J1
WARNING 02: maximum depth increased for Node J100
WARNING 02: maximum depth increased for Node J102
WARNING 02: maximum depth increased for Node J103
WARNING 02: maximum depth increased for Node J11
WARNING 02: maximum depth increased for Node J113
WARNING 02: maximum depth increased for Node J114
WARNING 02: maximum depth increased for Node J117
WARNING 02: maximum depth increased for Node J118
WARNING 02: maximum depth increased for Node J12
WARNING 02: maximum depth increased for Node J13
WARNING 02: maximum depth increased for Node J133
WARNING 02: maximum depth increased for Node J134
WARNING 02: maximum depth increased for Node J137
WARNING 02: maximum depth increased for Node J14
WARNING 02: maximum depth increased for Node J141
WARNING 02: maximum depth increased for Node J148
WARNING 02: maximum depth increased for Node J149
WARNING 02: maximum depth increased for Node J15
WARNING 02: maximum depth increased for Node J155
WARNING 02: maximum depth increased for Node J156
WARNING 02: maximum depth increased for Node J157
WARNING 02: maximum depth increased for Node J158
WARNING 02: maximum depth increased for Node J159
WARNING 02: maximum depth increased for Node J162
WARNING 02: maximum depth increased for Node J167
WARNING 02: maximum depth increased for Node J17
WARNING 02: maximum depth increased for Node J19
WARNING 02: maximum depth increased for Node J2
WARNING 02: maximum depth increased for Node J20
WARNING 02: maximum depth increased for Node J21
WARNING 02: maximum depth increased for Node J22
WARNING 02: maximum depth increased for Node J23
WARNING 02: maximum depth increased for Node J24
WARNING 02: maximum depth increased for Node J25
WARNING 02: maximum depth increased for Node J26
WARNING 02: maximum depth increased for Node J27
WARNING 02: maximum depth increased for Node J28
WARNING 02: maximum depth increased for Node J3
WARNING 02: maximum depth increased for Node J30
WARNING 02: maximum depth increased for Node J31
WARNING 02: maximum depth increased for Node J32
WARNING 02: maximum depth increased for Node J33
```

```
WARNING 02: maximum depth increased for Node J34
WARNING 02: maximum depth increased for Node J35
WARNING 02: maximum depth increased for Node J36
WARNING 02: maximum depth increased for Node J37
WARNING 02: maximum depth increased for Node J38
WARNING 02: maximum depth increased for Node J4
WARNING 02: maximum depth increased for Node J45
WARNING 02: maximum depth increased for Node J49
WARNING 02: maximum depth increased for Node J50
WARNING 02: maximum depth increased for Node J52
WARNING 02: maximum depth increased for Node J57
WARNING 02: maximum depth increased for Node J58
WARNING 02: maximum depth increased for Node J59
WARNING 02: maximum depth increased for Node J6
WARNING 02: maximum depth increased for Node J60
WARNING 02: maximum depth increased for Node J61
WARNING 02: maximum depth increased for Node J62
WARNING 02: maximum depth increased for Node J63
WARNING 02: maximum depth increased for Node J64
WARNING 02: maximum depth increased for Node J65
WARNING 02: maximum depth increased for Node J66
WARNING 02: maximum depth increased for Node J7
WARNING 02: maximum depth increased for Node J71
WARNING 02: maximum depth increased for Node J77
WARNING 02: maximum depth increased for Node J8
WARNING 02: maximum depth increased for Node J81
WARNING 02: maximum depth increased for Node J82
WARNING 02: maximum depth increased for Node J85
WARNING 02: maximum depth increased for Node J86
WARNING 02: maximum depth increased for Node J87
WARNING 02: maximum depth increased for Node J89
WARNING 02: maximum depth increased for Node J9
WARNING 02: maximum depth increased for Node J90
WARNING 02: maximum depth increased for Node J92
WARNING 02: maximum depth increased for Node J95
WARNING 02: maximum depth increased for Node J96
WARNING 02: maximum depth increased for Node J97
WARNING 02: maximum depth increased for Node J98
WARNING 02: maximum depth increased for Node J99

*************
Element Count
*************
Number of rain gages ...... 6
Number of subcatchments ... 0
Number of nodes ........... 186
Number of links ........... 229
Number of pollutants ...... 0
Number of land uses ....... 0


****************
Raingage Summary
****************
                                                  Data       Recording
Name                 Data Source                  Type       Interval
----------------------------------------------------------------------
```

100YR_24HR_SCS_Type_III_9.58in 100YR_24HR_SCS_Type_III_9.58in CUMULATIVE 6 min.
10YR_6HR_SCS_Type_III_4in 10YR_6HR_SCS_Type_III_4in CUMULATIVE 6 min.
25YR_24HR_SCS_Type_III_7.19in 25YR_24HR_SCS_Type_III_7.19in CUMULATIVE 6 min.
25YR_6HR_SCS_Type_III_4.82in 25YR_6HR_SCS_Type_III_4.82in CUMULATIVE 6 min.
2YR_6HR_SCS_Type_III_2.86in 2YR_6HR_SCS_Type_III_2.86in CUMULATIVE 6 min.
5YR_6HR_SCS_Type_III_3.45in 5YR_6HR_SCS_Type_III_3.45in CUMULATIVE 6 min.

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J1	JUNCTION	848.39	5.60	0.0	
J10	JUNCTION	879.04	7.56	100.0	
J100	JUNCTION	905.61	3.75	0.0	
J101	JUNCTION	963.28	6.00	0.0	
J102	JUNCTION	998.19	1.57	0.0	
J103	JUNCTION	996.01	1.50	0.0	
J104	JUNCTION	980.09	3.20	100.0	
J105	JUNCTION	979.08	3.30	100.0	
J106	JUNCTION	976.93	4.51	0.0	
J107	JUNCTION	990.78	1.33	0.0	
J108	JUNCTION	1008.00	5.20	100.0	
J109	JUNCTION	978.18	3.00	100.0	
J11	JUNCTION	898.40	3.76	0.0	
J110	JUNCTION	1014.00	5.00	100.0	
J111	JUNCTION	1007.80	5.30	100.0	
J112	JUNCTION	998.36	2.90	0.0	
J113	JUNCTION	1037.24	4.90	100.0	
J114	JUNCTION	891.30	8.97	0.0	
J115	JUNCTION	892.11	5.20	0.0	
J116	JUNCTION	894.30	4.30	0.0	
J117	JUNCTION	882.08	8.97	0.0	
J118	JUNCTION	890.79	8.97	0.0	
J119	JUNCTION	890.63	5.20	0.0	
J12	JUNCTION	895.95	3.75	0.0	
J120	JUNCTION	891.47	4.40	0.0	
J121	JUNCTION	892.13	4.20	0.0	
J122	JUNCTION	893.91	3.70	0.0	
J123	JUNCTION	893.13	2.71	0.0	
J124	JUNCTION	893.48	3.61	0.0	
J125	JUNCTION	881.65	5.77	0.0	
J126	JUNCTION	877.62	6.77	0.0	
J127	JUNCTION	884.30	5.10	0.0	
J128	JUNCTION	882.80	3.98	0.0	
J129	JUNCTION	877.05	4.15	0.0	
J13	JUNCTION	860.36	7.64	100.0	
J130	JUNCTION	862.87	4.72	0.0	
J131	JUNCTION	861.66	3.52	0.0	
J132	JUNCTION	991.90	5.08	100.0	
J133	JUNCTION	983.79	8.56	0.0	
J134	JUNCTION	1042.79	3.17	100.0	
J135	JUNCTION	977.09	12.01	0.0	
J136	JUNCTION	973.46	13.81	0.0	
J137	JUNCTION	970.71	5.29	0.0	

J138	JUNCTION	971.38	13.62	0.0
J139	JUNCTION	959.50	5.50	0.0
J14	JUNCTION	858.82	9.76	0.0
J140	JUNCTION	931.15	5.34	100.0
J141	JUNCTION	929.49	4.45	0.0
J142	JUNCTION	1046.96	2.78	100.0
J143	JUNCTION	1033.97	4.65	0.0
J144	JUNCTION	966.77	2.73	100.0
J145	JUNCTION	967.65	3.00	100.0
J146	JUNCTION	967.65	2.43	100.0
J147	JUNCTION	1046.25	3.56	100.0
J148	JUNCTION	929.08	3.00	0.0
J149	JUNCTION	1073.88	2.63	100.0
J15	JUNCTION	858.44	8.64	0.0
J150	JUNCTION	1046.00	4.00	100.0
J151	JUNCTION	996.50	3.11	0.0
J154	JUNCTION	976.81	5.16	0.0
J155	JUNCTION	977.16	5.29	0.0
J156	JUNCTION	978.64	4.52	0.0
J157	JUNCTION	980.77	3.23	0.0
J158	JUNCTION	980.80	3.20	100.0
J159	JUNCTION	1002.16	6.84	0.0
J16	JUNCTION	856.93	6.36	0.0
J160	JUNCTION	1029.71	1.00	0.0
J161	JUNCTION	1014.00	1.00	0.0
J162	JUNCTION	1003.98	5.02	0.0
J163	JUNCTION	1008.97	5.54	0.0
J164	JUNCTION	1009.11	5.39	0.0
J165	JUNCTION	1011.41	2.98	0.0
J166	JUNCTION	976.00	5.00	0.0
J167	JUNCTION	965.91	3.00	0.0
J168	JUNCTION	912.61	5.18	0.0
J169	JUNCTION	912.00	5.00	0.0
J17	JUNCTION	854.58	6.36	0.0
J170	JUNCTION	908.86	4.80	0.0
J171	JUNCTION	905.27	6.32	0.0
J172	JUNCTION	901.90	8.74	0.0
J173	JUNCTION	910.94	3.85	0.0
J174	JUNCTION	909.90	4.00	0.0
J175	JUNCTION	908.08	4.70	0.0
J176	JUNCTION	901.94	7.47	0.0
J177	JUNCTION	900.54	7.20	0.0
J178	JUNCTION	903.72	3.19	0.0
J179	JUNCTION	898.29	4.45	0.0
J18	JUNCTION	853.55	6.32	0.0
J180	JUNCTION	895.32	4.80	0.0
J181	JUNCTION	890.00	4.59	0.0
J182	JUNCTION	888.43	5.27	0.0
J183	JUNCTION	884.34	2.35	0.0
J184	JUNCTION	861.91	3.50	0.0
J185	JUNCTION	927.55	2.80	0.0
J186	JUNCTION	926.20	3.52	0.0
J187	JUNCTION	1011.79	3.00	0.0
J19	JUNCTION	848.41	4.34	0.0
J2	JUNCTION	861.21	6.39	0.0
J20	JUNCTION	845.32	9.99	0.0
J21	JUNCTION	863.59	6.88	100.0

J22	JUNCTION	863.98	8.40	100.0
J23	JUNCTION	863.86	11.03	0.0
J24	JUNCTION	864.84	11.03	0.0
J25	JUNCTION	865.83	8.02	0.0
J26	JUNCTION	867.96	5.24	0.0
J27	JUNCTION	871.54	8.97	0.0
J28	JUNCTION	943.21	4.80	0.0
J29	JUNCTION	926.69	4.47	100.0
J3	JUNCTION	853.15	10.09	0.0
J30	JUNCTION	922.02	5.00	0.0
J31	JUNCTION	919.62	7.26	100.0
J32	JUNCTION	919.27	6.35	100.0
J33	JUNCTION	917.74	7.30	0.0
J34	JUNCTION	899.22	9.20	0.0
J35	JUNCTION	908.54	8.20	0.0
J36	JUNCTION	897.71	6.13	0.0
J37	JUNCTION	896.92	6.43	0.0
J38	JUNCTION	887.13	6.43	0.0
J39	JUNCTION	885.67	5.62	0.0
J4	JUNCTION	854.42	9.15	0.0
J40	JUNCTION	903.56	8.96	0.0
J41	JUNCTION	894.45	14.60	0.0
J42	JUNCTION	898.27	8.20	0.0
J43	JUNCTION	895.14	4.23	0.0
J44	JUNCTION	889.39	5.20	0.0
J45	JUNCTION	887.35	8.97	0.0
J46	JUNCTION	1029.23	5.58	100.0
J47	JUNCTION	1029.03	4.84	100.0
J48	JUNCTION	1028.23	4.05	100.0
J49	JUNCTION	1027.18	4.65	0.0
J5	JUNCTION	853.85	8.57	0.0
J50	JUNCTION	1011.69	4.10	100.0
J51	JUNCTION	1005.32	4.55	0.0
J52	JUNCTION	996.69	6.28	100.0
J53	JUNCTION	1072.41	2.60	100.0
J54	JUNCTION	1070.72	2.50	100.0
J55	JUNCTION	1065.60	3.05	100.0
J56	JUNCTION	1050.60	3.20	100.0
J57	JUNCTION	1014.89	2.68	0.0
J58	JUNCTION	1045.75	2.00	0.0
J59	JUNCTION	1034.52	7.50	100.0
J6	JUNCTION	866.40	5.64	0.0
J60	JUNCTION	1021.50	5.90	100.0
J61	JUNCTION	1002.60	5.11	100.0
J62	JUNCTION	1001.78	6.11	100.0
J63	JUNCTION	995.85	4.43	0.0
J64	JUNCTION	986.80	6.96	0.0
J65	JUNCTION	986.54	7.22	0.0
J66	JUNCTION	978.86	5.27	0.0
J67	JUNCTION	982.37	4.70	0.0
J68	JUNCTION	976.97	6.82	0.0
J69	JUNCTION	976.37	5.85	100.0
J7	JUNCTION	875.38	11.00	0.0
J70	JUNCTION	973.41	3.12	100.0
J71	JUNCTION	969.66	3.00	0.0
J72	JUNCTION	1055.62	6.83	100.0
J74	JUNCTION	1052.29	2.20	100.0

J75	JUNCTION	1053.01	3.20	100.0	
J76	JUNCTION	1053.68	3.35	100.0	
J77	JUNCTION	1028.46	6.26	100.0	
J78	JUNCTION	1021.44	4.25	100.0	
J79	JUNCTION	1026.15	3.55	100.0	
J8	JUNCTION	875.08	10.02	0.0	
J80	JUNCTION	1014.55	5.90	100.0	
J81	JUNCTION	1015.00	5.55	100.0	
J82	JUNCTION	1014.00	6.45	100.0	
J83	JUNCTION	1019.80	3.10	0.0	
J84	JUNCTION	1018.05	4.75	0.0	
J85	JUNCTION	988.25	3.23	0.0	
J86	JUNCTION	987.17	3.54	0.0	
J87	JUNCTION	986.40	4.54	0.0	
J88	JUNCTION	985.65	3.40	0.0	
J89	JUNCTION	981.52	5.60	100.0	
J9	JUNCTION	875.66	11.00	0.0	
J90	JUNCTION	980.25	8.35	0.0	
J91	JUNCTION	1048.66	4.60	100.0	
J92	JUNCTION	975.95	7.26	100.0	
J95	JUNCTION	973.39	7.34	100.0	
J96	JUNCTION	972.40	7.72	100.0	
J97	JUNCTION	964.70	9.36	100.0	
J98	JUNCTION	962.53	9.90	0.0	
J99	JUNCTION	961.98	6.10	0.0	
OF1	OUTFALL	843.04	9.99	0.0	
J73	STORAGE	1048.58	6.10	0.0	
SU1	STORAGE	948.10	3.90	0.0	
SU2	STORAGE	890.46	4.70	0.0	

****
Link Summary
****

Name	From Node	To Node	Type	Length	% Slope	Roughness
5	J33	J35	CONDUIT	225.8	3.6761	0.0110
C1	J20	OF1	CONDUIT	67.8	3.3701	0.0300
C10	J16	J17	CONDUIT	138.2	1.7001	0.0300
C100	J119	J118	CONDUIT	17.1	-0.9335	0.0130
C101	J118	J117	CONDUIT	112.3	7.7752	0.0350
C102	J120	J119	CONDUIT	31.1	1.7354	0.0130
C103	J122	J120	CONDUIT	15.7	15.0984	0.0130
C104	J121	J120	CONDUIT	29.8	0.8725	0.0130
C105	J123	J121	CONDUIT	98.2	0.7636	0.0130
C106	J124	J123	CONDUIT	19.8	0.8096	0.0130

C107		J39	J27	CONDUIT	204.9	
6.9145	0.0400					
C108		J125	J126	CONDUIT	48.3	
8.1639	0.0130					
C109		J127	J125	CONDUIT	33.9	
2.8324	0.0130					
C110		J128	J126	CONDUIT	57.9	
8.4218	0.0130					
C111		J126	J129	CONDUIT	42.3	
1.2296	0.0130					
C112		J129	J130	CONDUIT	168.9	
8.3840	0.0130					
C113		J130	J131	CONDUIT	50.9	
2.1427	0.0130					
C114		J131	J15	CONDUIT	42.4	
7.6089	0.0130					
C115		J49	J50	CONDUIT	270.3	
5.7404	0.0130					
C116		J31	J32	CONDUIT	17.0	
7.4225	0.0200					
C116_2		J77	J81	CONDUIT	467.7	
3.0310	0.0500					
C117		J61	J62	CONDUIT	31.5	-
0.5709	0.0130					
C118		J52	J132	CONDUIT	80.9	
5.9291	0.0130					
C119		J133	J135	CONDUIT	61.8	
10.8979	0.0130					
C12		J1	J19	CONDUIT	629.1	-
0.0027	0.0130					
C120		J135	J136	CONDUIT	157.0	
2.0390	0.0130					
C121		J102	J107	CONDUIT	196.8	
4.2121	0.0230					
C122		J137	J139	CONDUIT	200.3	
5.6060	0.0240					
C122_1		J136	J138	CONDUIT	76.9	
2.7043	0.0130					
C122_2		J138	J137	CONDUIT	24.7	
2.7121	0.0130					
C123		J139	J140	CONDUIT	673.1	
4.1099	0.0130					
C124		J140	J141	CONDUIT	82.4	
1.8929	0.0130					
C125		J141	J29	CONDUIT	67.9	
2.1798	0.0130					
C126		J147	J150	CONDUIT	11.7	
2.1378	0.0130					
C127		J142	J150	CONDUIT	17.5	
5.4786	0.0130					
C127_1		J73	J150	CONDUIT	142.3	
1.8133	0.0130					
C127_2		J150	J143	CONDUIT	166.6	
7.2378	0.0130					
C128		J82	J110	CONDUIT	12.1	
0.4147	0.0130					
C128_1		J141	J148	CONDUIT	73.5	
3.8944	0.0300					
C128_2		J148	J30	CONDUIT	125.1	
4.0485	0.0300					

C128_3	J80	J110	CONDUIT	194.5	0.2828	0.0130
C128_4	J111	J151	CONDUIT	220.7	5.1257	0.0130
C128_5	J110	J111	CONDUIT	75.6	8.2259	0.0130
C128_7	J151	J85	CONDUIT	157.3	5.2511	0.0130
C129	J139	J32	CONDUIT	1077.2	3.7373	0.0230
C13	J17	J18	CONDUIT	13.0	7.9280	0.0300
C130	J112	J151	CONDUIT	39.2	2.1959	0.0130
C130_1	J30	J31	CONDUIT	99.8	0.9822	0.0300
C131	J149	J53	CONDUIT	26.1	5.6414	0.0130
C132	J59	J60	CONDUIT	200.0	7.3292	0.0240
C132_1	J149	J113	CONDUIT	365.2	9.4532	0.0220
C133	J156	J155	CONDUIT	19.8	3.5902	0.0200
C134	J57	J61	CONDUIT	98.7	12.2487	0.0240
C135	J58	J134	CONDUIT	41.8	1.8855	0.0300
C136	J134	J59	CONDUIT	87.8	4.4935	0.0220
C137	J144	J101	CONDUIT	19.1	4.3962	0.0130
C138	J57	J61	CONDUIT	100.1	9.8993	0.0200
C139	J155	J154	CONDUIT	31.2	1.1207	0.0130
C14	J18	J1	CONDUIT	170.0	3.0361	0.0300
C140	J62	J63	CONDUIT	119.3	6.3900	0.0200
C141	J64	J65	CONDUIT	36.8	0.0027	0.0200
C142	J66	J71	CONDUIT	192.3	6.8447	0.0240
C143	J162	J159	CONDUIT	30.6	0.0033	0.0240
C144	J156	J155	CONDUIT	17.6	8.4448	0.0130
C145	J158	J157	CONDUIT	5.8	0.5156	0.0240
C146	J134	J59	CONDUIT	78.9	10.5400	0.0130
C147	J157	J156	CONDUIT	17.9	12.0180	0.0300
C148	J35	J34	CONDUIT	224.8	3.7058	0.0110
C149	J34	J36	CONDUIT	43.5	10.5722	0.0110
C15	J13	J14	CONDUIT	22.3	6.9280	0.0300

C150	J22	J21	CONDUIT	14.3	
0.0070	0.0130				
C151	J14	J15	CONDUIT	65.6	
0.7618	0.0200				
C152	J162	J159	CONDUIT	24.4	
7.4931	0.0140				
C153	J159	J158	CONDUIT	392.2	
5.4549	0.0300				
C154	J163	J164	CONDUIT	10.6	-
1.3197	0.0130				
C155	J164	J162	CONDUIT	117.0	
4.3891	0.0300				
C156	J98	J99	CONDUIT	17.4	
13.5980	0.0240				
C157	J165	J163	CONDUIT	35.7	
6.7745	0.0130				
C158	J154	J166	CONDUIT	12.3	
6.5938	0.0300				
C159	J81	J82	CONDUIT	33.0	
16.9258	0.0110				
C16	J2	J13	CONDUIT	55.0	
1.5381	0.0300				
C160	J166	J167	CONDUIT	256.7	
3.9321	0.0240				
C160_3	J82	J85	CONDUIT	460.5	
6.4084	0.0110				
C161	J168	J169	CONDUIT	45.2	
1.3500	0.0130				
C162	J169	J40	CONDUIT	95.0	
8.8905	0.0130				
C163	J113	J59	CONDUIT	31.2	
0.3849	0.0110				
C164	J158	J157	CONDUIT	7.9	
0.0127	0.0240				
C165	J170	J40	CONDUIT	9.9	
3.0317	0.0130				
C166	J89	J90	CONDUIT	21.0	
2.4827	0.0110				
C167	J173	J174	CONDUIT	18.8	
0.4785	0.0130				
C168	J85	J87	CONDUIT	127.1	
0.0464	0.0110				
C169	J174	J175	CONDUIT	41.1	
3.7039	0.0130				
C169_2	J95	J96	CONDUIT	16.9	
3.6067	0.0110				
C169_3	J92	J109	CONDUIT	49.8	
4.0715	0.0110				
C169_4	J109	J95	CONDUIT	11.1	
4.0655	0.0110				
C17	J21	J2	CONDUIT	66.4	
3.5867	0.0300				
C170	J175	J172	CONDUIT	70.7	
4.3764	0.0130				
C170_4	J160	J161	CONDUIT	268.8	
5.8529	0.0350				
C170_6	J161	J52	CONDUIT	309.4	
3.8913	0.0350				
C171	J49	J160	CONDUIT	18.6	
6.0381	0.0350				

C172	J50	J161	CONDUIT	9.0	
8.7892	0.0350				
C173	J176	J41	CONDUIT	9.5	
128.9248	0.0130				
C174	J133	J137	CONDUIT	317.6	
5.1556	0.0110				
C175	J13	J14	CONDUIT	27.0	-
2.1514	0.0240				
C176	J4	J3	CONDUIT	42.1	
0.7795	0.0110				
C177	J19	J20	CONDUIT	6.5	
15.3877	0.0240				
C178	J177	J42	CONDUIT	14.8	
15.5118	0.0130				
C179	J178	J42	CONDUIT	56.6	
9.6750	0.0130				
C18	J22	J21	CONDUIT	12.8	
3.0469	0.0350				
C180	J179	J180	CONDUIT	48.6	
3.8523	0.0130				
C181	J180	J43	CONDUIT	10.4	
0.5776	0.0130				
C182	SU2	J181	CONDUIT	3.7	
7.0713	0.0300				
C183	J181	J44	CONDUIT	8.3	
4.0998	0.0130				
C184	J184	J15	CONDUIT	71.3	
4.8694	0.0130				
C185	J185	J186	CONDUIT	37.3	
3.1676	0.0240				
C186	J186	J31	CONDUIT	123.3	
5.3451	0.0240				
C187	J187	J50	CONDUIT	10.9	
0.9154	0.0130				
C188	J91	J73	CONDUIT	56.2	
2.5285	0.0130				
C19	J23	J22	CONDUIT	15.7	-
0.7565	0.0350				
C2	J3	J1	CONDUIT	167.0	
2.8539	0.0300				
C20	J24	J23	CONDUIT	60.4	
1.6158	0.0350				
C21	J25	J24	CONDUIT	38.7	
2.5786	0.0350				
C22	J26	J25	CONDUIT	50.0	
4.2576	0.0350				
C23	J27	J26	CONDUIT	71.5	
5.0115	0.0350				
C24	J28	J29	CONDUIT	86.6	
18.3150	0.0130				
C25	J29	J30	CONDUIT	123.9	
3.7729	0.0130				
C26	J30	J31	CONDUIT	94.8	
2.5231	0.0350				
C27	J31	J32	CONDUIT	13.3	
1.7267	0.0130				
C28	J32	J33	CONDUIT	37.8	
3.5214	0.0130				
C29	J34	J36	CONDUIT	39.2	
3.8503	0.0130				

C29_1	J33	J35	CONDUIT	220.0	4.1838	0.0130
C29_2	J35	J34	CONDUIT	220.7	4.1837	0.0130
C3	J6	J4	CONDUIT	157.5	7.6283	0.0350
C3_1	J4	J5	CONDUIT	16.1	3.5081	0.0200
C3_2	J5	J3	CONDUIT	19.9	3.5062	0.0200
C30	J36	J37	CONDUIT	61.8	1.2700	0.0350
C31	J37	J38	CONDUIT	119.3	8.2389	0.0350
C32	J38	J39	CONDUIT	37.5	3.8947	0.0130
C33	J171	J172	CONDUIT	8.9	3.2649	0.0130
C33_1	J40	J172	CONDUIT	67.9	2.1662	0.0130
C33_2	J172	J41	CONDUIT	80.0	4.1897	0.0130
C34	J41	J42	CONDUIT	65.0	0.1538	0.0130
C35	J42	J180	CONDUIT	151.0	2.0069	0.0130
C36	J43	J44	CONDUIT	113.2	4.1470	0.0130
C37	J183	J24	CONDUIT	133.6	11.0401	0.0130
C37_1	J44	J182	CONDUIT	19.0	5.0511	0.0130
C37_2	J182	J45	CONDUIT	21.4	5.0520	0.0240
C38	J46	J47	CONDUIT	28.9	0.6923	0.0130
C39	J47	J48	CONDUIT	26.0	3.0787	0.0130
C4	J9	J7	CONDUIT	36.6	0.7648	0.0200
C4_1	J7	J8	CONDUIT	23.2	1.2936	0.0350
C4_2	J8	J6	CONDUIT	132.2	6.5817	0.0350
C40	J48	J49	CONDUIT	39.2	2.6820	0.0130
C41	J50	J51	CONDUIT	130.2	4.8608	0.0130
C42	J51	J52	CONDUIT	181.9	4.7156	0.0130
C43	J53	J54	CONDUIT	41.8	3.8027	0.0130
C44	J54	J55	CONDUIT	73.5	6.5676	0.0130
C45	J55	J56	CONDUIT	126.2	11.7638	0.0130
C46	J132	J133	CONDUIT	152.3	5.3320	0.0130
C46_1	J58	J134	CONDUIT	39.1	7.5956	0.0400

C46_2	J134	J113	CONDUIT	73.5	5.2095	0.0230
C47	J56	J58	CONDUIT	119.5	4.0625	0.0130
C48	J59	J60	CONDUIT	196.9	6.5253	0.0130
C49	J61	J62	CONDUIT	29.3	2.7633	0.0130
C5	J10	J9	CONDUIT	26.5	12.8583	0.0350
C50	J62	J63	CONDUIT	114.5	5.1838	0.0130
C51	J63	J64	CONDUIT	147.2	6.1595	0.0350
C52	J64	J65	CONDUIT	33.3	0.7805	0.0130
C53	J66	J68	CONDUIT	15.7	10.1699	0.0130
C53_1	J65	J67	CONDUIT	109.9	3.7993	0.0350
C53_2	J67	J66	CONDUIT	92.4	3.7961	0.0350
C54	J68	J69	CONDUIT	70.7	0.8487	0.0130
C55	J69	J70	CONDUIT	104.7	2.6852	0.0130
C56	J70	J71	CONDUIT	97.7	3.8415	0.0240
C57	J72	J73	CONDUIT	217.5	3.1461	0.0130
C58	J74	J73	CONDUIT	45.0	4.6907	0.0130
C59	J75	J73	CONDUIT	42.1	6.2528	0.0130
C6	J11	J10	CONDUIT	160.9	12.1204	0.0350
C60	J76	J73	CONDUIT	48.8	6.5780	0.0130
C61_1	J77	J79	CONDUIT	84.1	2.6298	0.0240
C61_2	J79	J78	CONDUIT	46.8	9.7950	0.0240
C63	J78	J80	CONDUIT	152.5	4.4248	0.0240
C64	J81	J82	CONDUIT	31.2	3.0438	0.0130
C65	J83	J84	CONDUIT	28.1	6.0536	0.0130
C66	J84	J81	CONDUIT	30.8	8.4762	0.0130
C67	J85	J86	CONDUIT	102.1	1.0612	0.0240
C68	J86	J87	CONDUIT	19.8	3.8539	0.0240
C69	J87	J88	CONDUIT	14.5	5.2122	0.0100
C7	J12	J10	CONDUIT	166.7	10.1972	0.0350
C70	J88	J89	CONDUIT	54.5	7.5991	0.0100

C71	J89	J90	CONDUIT	19.1	6.6584	0.0240
C72_1	J90	J106	CONDUIT	94.4	3.5146	0.0130
C73	J104	J105	CONDUIT	40.8	1.9870	0.0130
C73_2	J106	J92	CONDUIT	42.7	2.3084	0.0130
C75	J92	J95	CONDUIT	59.3	4.3130	0.0240
C77	J95	J96	CONDUIT	16.5	6.0122	0.0130
C78	J96	J97	CONDUIT	159.8	4.8252	0.0240
C79	J98	J99	CONDUIT	15.5	3.5564	0.0130
C8	J14	J15	CONDUIT	61.9	0.6168	0.0300
C80	SU1	J11	CONDUIT	663.7	7.5091	0.0350
C80_2	J100	J12	CONDUIT	184.4	5.2484	0.0350
C80_3	J71	J167	CONDUIT	71.5	5.2489	0.0130
C80_4	J167	J100	CONDUIT	1151.0	5.2463	0.0130
C81	J99	SU1	CONDUIT	831.8	1.6689	0.0130
C82	J102	J103	CONDUIT	145.8	1.4950	0.0130
C82_1	J97	J101	CONDUIT	43.4	3.2716	0.0130
C82_2	J101	J98	CONDUIT	42.0	1.7879	0.0130
C83	J105	J106	CONDUIT	44.6	4.8220	0.0130
C85	J60	J57	CONDUIT	83.6	11.8461	0.0240
C85_1	J90	J92	CONDUIT	139.6	3.8680	0.0240
C86	J28	J148	CONDUIT	86.0	20.0892	0.0240
C87	J108	J111	CONDUIT	22.3	0.8965	0.0130
C88	J32	J33	CONDUIT	43.1	1.3473	0.0130
C89	J145	J146	CONDUIT	43.0	0.0023	0.0130
C9	J15	J16	CONDUIT	11.2	13.6396	0.0300
C90	J146	J101	CONDUIT	43.3	4.7851	0.0130
C91	J143	J77	CONDUIT	110.6	4.9863	0.0300
C92	J107	J98	CONDUIT	662.5	3.2246	0.0230
C93	J113	J59	CONDUIT	29.0	9.4192	0.0130
C94	J97	J98	CONDUIT	86.4	1.8863	0.0110

C95	J60	J57	CONDUIT	79.7	
8.3201	0.0130				
C96	J57	J61	CONDUIT	95.7	
12.7355	0.0130				
C97	J114	J117	CONDUIT	179.8	
5.1330	0.0350				
C97_1	J45	J117	CONDUIT	174.9	
3.0135	0.0350				
C97_2	J117	J27	CONDUIT	358.8	
2.9401	0.0350				
C98	J116	J115	CONDUIT	40.6	
5.1553	0.0130				
C99	J115	J114	CONDUIT	16.5	
4.9138	0.0130				
C11	J19	J20	WEIR		
C84	J103	J104	WEIR		

****
Cross Section Summary
****

Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
5	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	514.48
C1	XS1	9.99	238.32	6.06	30.55	1	7203.86
C10	XS11	6.36	52.31	2.72	10.60	1	657.98
C100	CIRCULAR	2.50	4.91	0.63	2.50	1	39.63
C101	XS28	8.97	139.40	0.70	29.94	1	1306.86
C102	CIRCULAR	2.50	4.91	0.63	2.50	1	54.03
C103	CIRCULAR	1.50	1.77	0.38	1.50	1	40.82
C104	CIRCULAR	2.00	3.14	0.50	2.00	1	21.13
C105	CIRCULAR	1.50	1.77	0.38	1.50	1	9.18
C106	CIRCULAR	1.50	1.77	0.38	1.50	1	9.45
C107	XS29	3.98	58.71	1.70	32.88	1	815.30
C108	CIRCULAR	2.00	3.14	0.50	2.00	1	64.64
C109	CIRCULAR	2.00	3.14	0.50	2.00	1	38.07
C110	CIRCULAR	1.50	1.77	0.38	1.50	1	30.48
C111	CIRCULAR	2.00	3.14	0.50	2.00	1	25.09
C112	CIRCULAR	2.00	3.14	0.50	2.00	1	65.50

C113	CIRCULAR	2.00	3.14	0.50	2.00	1	33.11
C114	CIRCULAR	2.00	3.14	0.50	2.00	1	62.40
C115	CIRCULAR	3.00	7.07	0.75	3.00	1	159.80
C116	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	402.08
C116_2	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1	206.06
C117	RECT_OPEN	1.00	27.00	0.93	27.00	1	222.36
C118	CIRCULAR	3.00	7.07	0.75	3.00	1	162.41
C119	CIRCULAR	3.50	9.62	0.88	3.50	1	332.13
C12	TRAPEZOIDAL	2.50	1275.00	2.45	520.00	1	1376.51
C120	CIRCULAR	3.50	9.62	0.88	3.50	1	143.66
C121	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	51.62
C122	RECT_OPEN	4.00	14.00	1.22	3.50	1	234.00
C122_1	ARCH	3.00	10.64	0.90	4.50	1	186.01
C122_2	ARCH	3.00	10.64	0.90	4.50	1	186.28
C123	ARCH	2.61	8.80	0.80	4.26	1	175.74
C124	RECT_CLOSED	3.00	15.00	0.94	5.00	1	225.96
C125	RECT_CLOSED	3.00	15.00	0.94	5.00	1	242.49
C126	CIRCULAR	1.50	1.77	0.38	1.50	1	15.36
C127	CIRCULAR	1.00	0.79	0.25	1.00	1	8.34
C127_1	ARCH	3.00	11.40	0.90	4.88	1	163.57
C127_2	ARCH	3.00	11.40	0.90	4.88	1	326.80
C128	CIRCULAR	1.67	2.19	0.42	1.67	1	9.01
C128_1	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	194.16
C128_2	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1	628.29
C128_3	ARCH	3.00	11.40	0.90	4.88	1	64.60
C128_4	RECT_CLOSED	3.00	18.00	1.00	6.00	1	465.83
C128_5	ARCH	3.00	11.40	0.90	4.88	1	348.39
C128_7	RECT_CLOSED	3.00	18.00	1.00	6.00	1	471.49
C129	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	48.63
C13	RECT_CLOSED	4.30	33.54	1.39	7.80	1	581.49

C130	CIRCULAR	1.25	1.23	0.31	1.25	1
9.57						
C130_1	TRAPEZOIDAL	1.00	24.00	0.85	28.00	1
105.69						
C131	CIRCULAR	1.50	1.77	0.38	1.50	1
24.95						
C132	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
166.42						
C132_1	RECT_OPEN	1.00	5.00	0.71	5.00	1
82.97						
C133	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
139.77						
C134	RECT_OPEN	0.71	1.60	0.44	2.25	1
19.88						
C135	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1
79.81						
C136	RECT_OPEN	1.00	27.00	0.93	27.00	1
368.61						
C137	CIRCULAR	1.25	1.23	0.31	1.25	1
13.54						
C138	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
232.09						
C139	CIRCULAR	3.00	7.07	0.75	3.00	1
70.61						
C14	XS10	5.60	55.08	2.13	19.46	1
787.64						
C140	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1
220.38						
C141	TRAPEZOIDAL	2.00	36.00	1.36	26.00	1
17.11						
C142	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1
190.07						
C143	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1
22.30						
C144	CIRCULAR	3.00	7.07	0.75	3.00	1
193.82						
C145	CIRCULAR	0.67	0.35	0.17	0.67	1
0.48						
C146	CIRCULAR	2.00	3.14	0.50	2.00	1
73.44						
C147	RECT_OPEN	2.50	7.50	0.94	3.00	1
123.36						
C148	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
258.19						
C149	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
436.10						
C15	XS14	4.64	44.90	2.40	20.83	1
1050.32						
C150	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
18.99						
C151	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1
408.83						
C152	CIRCULAR	1.00	0.79	0.25	1.00	1
9.06						
C153	RECT_OPEN	2.50	7.50	0.94	3.00	1
83.11						
C154	CIRCULAR	1.50	1.77	0.38	1.50	1
12.07						
C155	RECT_OPEN	2.50	10.00	1.11	4.00	1
111.32						

C156	TRAPEZOIDAL	1.00	16.00	0.90	17.00	1
339.89						
C157	CIRCULAR	1.50	1.77	0.38	1.50	1
27.34						
C158	CIRCULAR	3.00	7.07	0.75	3.00	1
74.22						
C159	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
2213.36						
C16	XS15	6.39	91.07	3.40	28.37	1
1263.79						
C160	RECT_OPEN	2.50	10.00	1.11	4.00	1
131.71						
C160_3	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
1361.93						
C161	CIRCULAR	1.50	1.77	0.38	1.50	1
12.20						
C162	CIRCULAR	2.50	4.91	0.63	2.50	1
122.30						
C163	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
83.21						
C164	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
13.87						
C165	CIRCULAR	1.00	0.79	0.25	1.00	1
6.20						
C166	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
847.70						
C167	CIRCULAR	1.00	0.79	0.25	1.00	1
2.46						
C168	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
115.93						
C169	CIRCULAR	1.50	1.77	0.38	1.50	1
20.22						
C169_2	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6354.63						
C169_3	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6751.74						
C169_4	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6746.76						
C17	XS16	5.78	75.72	1.54	34.13	1
948.95						
C170	CIRCULAR	1.50	1.77	0.38	1.50	1
21.98						
C170_4	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
101.98						
C170_6	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
83.15						
C171	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
52.42						
C172	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
63.25						
C173	ARCH	1.50	2.80	0.45	2.38	1
213.41						
C174	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
154.14						
C175	TRAPEZOIDAL	3.00	54.00	2.30	21.00	1
854.34						
C176	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
118.41						
C177	TRAPEZOIDAL	2.00	24.00	1.53	14.00	1
774.95						

C178	CIRCULAR	1.50	1.77	0.38	1.50	1
41.37						
C179	CIRCULAR	1.50	1.77	0.38	1.50	1
32.67						
C18	ARCH	4.00	31.52	1.20	10.00	1
263.22						
C180	CIRCULAR	1.50	1.77	0.38	1.50	1
20.62						
C181	CIRCULAR	3.00	7.07	0.75	3.00	1
50.69						
C182	CIRCULAR	0.67	0.35	0.17	0.67	1
1.41						
C183	CIRCULAR	1.25	1.23	0.31	1.25	1
13.08						
C184	CIRCULAR	1.50	1.77	0.38	1.50	1
23.18						
C185	CIRCULAR	1.00	0.79	0.25	1.00	1
3.43						
C186	CIRCULAR	1.50	1.77	0.38	1.50	1
13.15						
C187	CIRCULAR	1.00	0.79	0.25	1.00	1
3.41						
C188	CIRCULAR	1.25	1.23	0.31	1.25	1
10.27						
C19	XS17	8.40	188.17	4.94	35.59	1
2015.69						
C2	XS2	5.38	99.15	3.52	24.27	1
1918.56						
C20	XS18	11.03	217.69	6.41	34.67	1
4055.42						
C21	XS19	8.02	133.18	2.95	30.03	1
1868.33						
C22	XS20	5.24	77.90	2.23	23.90	1
1166.20						
C23	XS21	5.11	77.61	3.04	26.97	1
1547.01						
C24	CIRCULAR	2.00	3.14	0.50	2.00	1
96.81						
C25	RECT_CLOSED	3.00	15.00	0.94	5.00	1
319.02						
C26	XS22	3.53	48.41	1.64	28.19	1
453.10						
C27	RECT_CLOSED	4.00	24.00	1.20	6.00	1
407.09						
C28	RECT_CLOSED	4.00	24.00	1.20	6.00	1
581.34						
C29	RECT_CLOSED	4.00	24.00	1.20	6.00	1
607.88						
C29_1	RECT_CLOSED	4.00	24.00	1.20	6.00	1
633.66						
C29_2	RECT_CLOSED	4.00	24.00	1.20	6.00	1
633.66						
C3	XS3	4.55	95.83	3.21	25.34	1
2443.35						
C3_1	RECT_CLOSED	5.00	55.00	1.72	11.00	1
1098.24						
C3_2	RECT_CLOSED	6.00	66.00	1.94	11.00	1
1428.87						
C30	XS23	4.08	74.78	2.57	32.83	1
671.71						

C31	XS24	6.43	125.90	3.87	37.26	1	3779.07
C32	RECT_CLOSED	4.00	40.00	1.43	10.00	1	1144.56
C33	CIRCULAR	1.50	1.77	0.38	1.50	1	18.98
C33_1	CIRCULAR	2.50	4.91	0.63	2.50	1	60.37
C33_2	CIRCULAR	3.00	7.07	0.75	3.00	1	136.52
C34	CIRCULAR	3.00	7.07	0.75	3.00	1	26.15
C35	CIRCULAR	3.00	7.07	0.75	3.00	1	94.49
C36	CIRCULAR	3.00	7.07	0.75	3.00	1	135.83
C37	CIRCULAR	1.25	1.23	0.31	1.25	1	21.46
C37_1	CIRCULAR	3.00	7.07	0.75	3.00	1	149.90
C37_2	CIRCULAR	3.00	7.07	0.75	3.00	1	81.20
C38	CIRCULAR	3.00	7.07	0.75	3.00	1	55.50
C39	CIRCULAR	3.00	7.07	0.75	3.00	1	117.03
C4	CIRCULAR	11.00	95.03	2.75	11.00	1	1212.05
C4_1	XS7	10.02	77.59	2.93	16.77	1	766.62
C4_2	XS4	5.64	119.40	3.66	29.37	1	3090.82
C40	CIRCULAR	3.00	7.07	0.75	3.00	1	109.23
C41	CIRCULAR	3.00	7.07	0.75	3.00	1	147.05
C42	CIRCULAR	3.00	7.07	0.75	3.00	1	144.84
C43	CIRCULAR	1.50	1.77	0.38	1.50	1	20.48
C44	ARCH	1.88	4.40	0.56	3.02	1	87.57
C45	ARCH	2.22	6.40	0.68	3.65	1	194.03
C46	ARCH	3.33	14.30	1.01	5.42	1	379.96
C46_1	TRAPEZOIDAL	1.00	7.00	0.79	8.00	1	61.40
C46_2	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	57.41
C47	RECT_CLOSED	2.00	8.00	0.67	4.00	1	140.66
C48	ARCH	2.22	6.40	0.68	3.65	1	144.51
C49	ARCH	2.22	6.40	0.68	3.65	1	94.04
C5	XS5	7.55	124.26	4.38	21.74	1	5068.01
C50	ARCH	2.22	6.40	0.68	3.65	1	128.80

C51	XS25	2.17	19.95	0.98	19.55	1
207.15						
C52	ARCH	3.00	11.40	0.90	4.88	1
107.32						
C53	ARCH	2.22	6.40	0.68	3.65	1
180.41						
C53_1	XS26	3.96	28.25	1.90	11.38	1
358.74						
C53_2	XS27	2.82	15.24	1.42	7.80	1
159.60						
C54	ARCH	2.22	6.40	0.68	3.65	1
52.12						
C55	ARCH	2.22	6.40	0.68	3.65	1
92.70						
C56	ARCH	2.22	6.40	0.68	3.65	1
60.06						
C57	CIRCULAR	2.50	4.91	0.63	2.50	1
72.75						
C58	CIRCULAR	1.25	1.23	0.31	1.25	1
13.99						
C59	CIRCULAR	1.25	1.23	0.31	1.25	1
16.15						
C6	XS8	3.76	38.43	2.26	12.47	1
979.41						
C60	CIRCULAR	1.25	1.23	0.31	1.25	1
16.57						
C61_1	CIRCULAR	2.50	4.91	0.63	2.50	1
36.03						
C61_2	CIRCULAR	2.50	4.91	0.63	2.50	1
69.53						
C63	CIRCULAR	2.50	4.91	0.63	2.50	1
46.74						
C64	CIRCULAR	1.67	2.19	0.42	1.67	1
24.40						
C65	CIRCULAR	1.67	2.19	0.42	1.67	1
34.41						
C66	CIRCULAR	1.67	2.19	0.42	1.67	1
40.72						
C67	Trous1	3.23	26.17	1.80	9.45	1
247.10						
C68	Trous2	3.54	28.38	1.99	8.61	1
545.43						
C69	Trousd3_copy	3.40	28.59	2.01	9.94	1
1544.93						
C7	XS9	3.75	85.07	2.47	33.46	1
2105.63						
C70	Trousd3_copy	3.40	28.59	2.01	9.94	1
1865.42						
C71	Trous4-5	4.71	28.45	2.04	7.89	1
730.46						
C72_1	RECT_CLOSED	3.00	24.00	1.09	8.00	1
545.02						
C73	ARCH	1.00	1.32	0.30	1.67	1
9.48						
C73_2	RECT_CLOSED	3.00	24.00	1.09	8.00	1
441.71						
C75	Trous10	3.75	22.25	1.42	10.55	1
361.95						
C77	RECT_CLOSED	3.00	24.00	1.09	8.00	1
712.84						

C78	Trous10	3.75	22.25	1.42	10.55	1
382.84						
C79	RECT_CLOSED	3.00	33.00	1.18	11.00	1
793.71						
C8	RECT_CLOSED	4.50	45.00	1.55	10.00	1
234.63						
C80	XS8	3.76	38.43	2.26	12.47	1
770.90						
C80_2	XS9	3.75	85.07	2.47	33.46	1
1510.62						
C80_3	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1
2343.69						
C80_4	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1
2343.11						
C81	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1
1321.52						
C82	CIRCULAR	1.00	0.79	0.25	1.00	1
4.36						
C82_1	RECT_CLOSED	3.00	33.00	1.18	11.00	1
761.27						
C82_2	RECT_CLOSED	3.00	33.00	1.18	11.00	1
562.77						
C83	ARCH	1.00	1.32	0.30	1.67	1
14.77						
C85	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
211.58						
C85_1	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
3016.20						
C86	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
275.52						
C87	CIRCULAR	1.25	1.23	0.31	1.25	1
6.12						
C88	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
263.55						
C89	CIRCULAR	1.25	1.23	0.31	1.25	1
0.31						
C9	XS11	6.36	52.31	2.72	10.60	1
1863.70						
C90	CIRCULAR	1.25	1.23	0.31	1.25	1
14.13						
C91	RECT_OPEN	3.80	16.72	1.39	4.40	1
230.71						
C92	Street1-ValleyGutters	0.70	9.13	0.28	37.00	
1 45.17						
C93	ARCH	1.50	2.80	0.45	2.38	2
57.68						
C94	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
4595.61						
C95	ARCH	2.22	6.40	0.68	3.65	1
163.18						
C96	ARCH	2.22	6.40	0.68	3.65	1
201.88						
C97	XS28	8.97	139.40	0.70	29.94	1
1061.84						
C97_1	XS28	8.97	139.40	0.70	29.94	1
813.59						
C97_2	XS28	8.97	139.40	0.70	29.94	1
803.62						
C98	CIRCULAR	1.50	1.77	0.38	1.50	1
23.85						

```
  C99              CIRCULAR            1.50     1.77     0.38     1.50        1
23.29


  ****************
  Transect Summary
  ****************

  Transect Spillway
  Area:
              0.0014     0.0045     0.0085     0.0135     0.0195
              0.0265     0.0345     0.0434     0.0534     0.0643
              0.0762     0.0890     0.1029     0.1177     0.1335
              0.1503     0.1681     0.1869     0.2067     0.2274
              0.2491     0.2718     0.2955     0.3201     0.3457
              0.3716     0.3975     0.4235     0.4494     0.4754
              0.5014     0.5275     0.5536     0.5797     0.6058
              0.6319     0.6581     0.6843     0.7105     0.7368
              0.7630     0.7893     0.8156     0.8420     0.8683
              0.8946     0.9209     0.9473     0.9736     1.0000
  Hrad:
              0.0163     0.0366     0.0544     0.0709     0.0868
              0.1023     0.1175     0.1325     0.1474     0.1623
              0.1770     0.1917     0.2064     0.2210     0.2356
              0.2502     0.2647     0.2792     0.2937     0.3082
              0.3227     0.3372     0.3517     0.3661     0.3841
              0.4110     0.4377     0.4642     0.4905     0.5166
              0.5425     0.5682     0.5937     0.6190     0.6441
              0.6691     0.6938     0.7184     0.7428     0.7670
              0.7911     0.8150     0.8387     0.8623     0.8857
              0.9089     0.9319     0.9548     0.9775     1.0000
  Width:
              0.0971     0.1343     0.1716     0.2088     0.2461
              0.2833     0.3206     0.3578     0.3951     0.4324
              0.4696     0.5069     0.5441     0.5814     0.6186
              0.6559     0.6931     0.7304     0.7676     0.8049
              0.8421     0.8794     0.9166     0.9539     0.9812
              0.9822     0.9832     0.9842     0.9852     0.9862
              0.9872     0.9882     0.9892     0.9901     0.9911
              0.9921     0.9931     0.9941     0.9951     0.9961
              0.9970     0.9973     0.9976     0.9980     0.9983
              0.9987     0.9990     0.9993     0.9997     1.0000

  Transect Street1
  Area:
              0.0004     0.0017     0.0037     0.0066     0.0103
              0.0149     0.0202     0.0264     0.0335     0.0413
              0.0500     0.0595     0.0698     0.0810     0.0930
              0.1058     0.1194     0.1339     0.1492     0.1653
              0.1822     0.2000     0.2186     0.2380     0.2582
              0.2793     0.3012     0.3239     0.3475     0.3719
              0.3971     0.4231     0.4499     0.4776     0.5061
              0.5355     0.5656     0.5965     0.6275     0.6585
              0.6895     0.7207     0.7527     0.7856     0.8192
              0.8537     0.8891     0.9252     0.9622     1.0000
  Hrad:
```

0.0167 0.0333 0.0500 0.0667 0.0833
0.1000 0.1167 0.1333 0.1500 0.1667
0.1833 0.2000 0.2167 0.2333 0.2500
0.2667 0.2833 0.3000 0.3167 0.3333
0.3500 0.3667 0.3833 0.4000 0.4167
0.4333 0.4500 0.4667 0.4833 0.5000
0.5167 0.5333 0.5500 0.5667 0.5833
0.6000 0.6167 0.6415 0.6745 0.7074
0.7403 0.7731 0.8049 0.8355 0.8651
0.8938 0.9216 0.9485 0.9746 1.0000
Width:
0.0216 0.0432 0.0649 0.0865 0.1081
0.1297 0.1514 0.1730 0.1946 0.2162
0.2378 0.2595 0.2811 0.3027 0.3243
0.3459 0.3676 0.3892 0.4108 0.4324
0.4541 0.4757 0.4973 0.5189 0.5405
0.5622 0.5838 0.6054 0.6270 0.6486
0.6703 0.6919 0.7135 0.7351 0.7568
0.7784 0.8000 0.8108 0.8108 0.8108
0.8108 0.8270 0.8486 0.8703 0.8919
0.9135 0.9351 0.9568 0.9784 1.0000

Transect Street1-ValleyGutters
Area:
0.0002 0.0007 0.0015 0.0026 0.0041
0.0059 0.0081 0.0105 0.0133 0.0165
0.0199 0.0237 0.0278 0.0323 0.0371
0.0422 0.0476 0.0534 0.0594 0.0659
0.0726 0.0799 0.0890 0.0998 0.1124
0.1269 0.1432 0.1613 0.1812 0.2029
0.2265 0.2518 0.2790 0.3080 0.3389
0.3715 0.4060 0.4423 0.4804 0.5203
0.5620 0.6056 0.6510 0.6970 0.7430
0.7901 0.8394 0.8908 0.9443 1.0000
Hrad:
0.0242 0.0484 0.0726 0.0968 0.1210
0.1452 0.1694 0.1936 0.2178 0.2420
0.2661 0.2903 0.3145 0.3387 0.3629
0.3871 0.4113 0.4355 0.4597 0.4839
0.5081 0.4784 0.4353 0.4131 0.4033
0.4016 0.4053 0.4131 0.4237 0.4365
0.4511 0.4670 0.4840 0.5020 0.5206
0.5399 0.5597 0.5800 0.6006 0.6216
0.6429 0.6645 0.6900 0.7381 0.7861
0.8333 0.8779 0.9203 0.9609 1.0000
Width:
0.0058 0.0116 0.0174 0.0232 0.0290
0.0348 0.0406 0.0464 0.0522 0.0580
0.0638 0.0696 0.0754 0.0812 0.0870
0.0928 0.0986 0.1044 0.1102 0.1160
0.1218 0.1426 0.1747 0.2067 0.2387
0.2708 0.3028 0.3348 0.3669 0.3989
0.4310 0.4630 0.4950 0.5271 0.5591
0.5911 0.6232 0.6552 0.6872 0.7193
0.7513 0.7834 0.8108 0.8108 0.8108
0.8486 0.8865 0.9243 0.9622 1.0000

Transect Trous1

Area:

0.0164	0.0352	0.0541	0.0730	0.0920
0.1110	0.1300	0.1492	0.1683	0.1876
0.2069	0.2262	0.2456	0.2650	0.2845
0.3041	0.3237	0.3434	0.3631	0.3828
0.4027	0.4225	0.4425	0.4624	0.4825
0.5026	0.5227	0.5429	0.5632	0.5835
0.6038	0.6242	0.6447	0.6652	0.6858
0.7064	0.7271	0.7478	0.7686	0.7894
0.8103	0.8313	0.8523	0.8733	0.8943
0.9154	0.9365	0.9576	0.9787	1.0000

Hrad:

0.0309	0.0651	0.0983	0.1305	0.1618
0.1922	0.2217	0.2504	0.2784	0.3056
0.3321	0.3580	0.3832	0.4078	0.4317
0.4552	0.4780	0.5004	0.5222	0.5436
0.5644	0.5849	0.6049	0.6245	0.6437
0.6625	0.6809	0.6989	0.7167	0.7340
0.7511	0.7678	0.7843	0.8004	0.8163
0.8319	0.8472	0.8622	0.8770	0.8916
0.9059	0.9206	0.9392	0.9575	0.9758
0.9938	1.0118	1.0295	1.0472	1.0000

Width:

0.8047	0.8070	0.8093	0.8116	0.8139
0.8162	0.8185	0.8208	0.8231	0.8254
0.8277	0.8300	0.8323	0.8346	0.8369
0.8392	0.8415	0.8438	0.8461	0.8484
0.8507	0.8530	0.8553	0.8576	0.8599
0.8622	0.8645	0.8668	0.8691	0.8714
0.8737	0.8760	0.8783	0.8806	0.8829
0.8852	0.8875	0.8898	0.8921	0.8944
0.8966	0.8988	0.8999	0.9010	0.9021
0.9032	0.9043	0.9054	0.9066	1.0000

Transect Trous10

Area:

0.0105	0.0234	0.0364	0.0495	0.0626
0.0758	0.0891	0.1025	0.1159	0.1294
0.1430	0.1567	0.1704	0.1842	0.1981
0.2121	0.2261	0.2402	0.2544	0.2687
0.2830	0.2974	0.3119	0.3264	0.3411
0.3558	0.3706	0.3863	0.4052	0.4254
0.4467	0.4692	0.4928	0.5177	0.5438
0.5711	0.5995	0.6292	0.6597	0.6903
0.7209	0.7516	0.7822	0.8129	0.8437
0.8745	0.9055	0.9366	0.9678	1.0000

Hrad:

0.0418	0.0895	0.1341	0.1759	0.2151
0.2521	0.2869	0.3199	0.3512	0.3809
0.4091	0.4360	0.4617	0.4863	0.5099
0.5324	0.5541	0.5750	0.5950	0.6144
0.6331	0.6511	0.6686	0.6855	0.7018
0.7177	0.7331	0.6667	0.6676	0.6703
0.6746	0.6802	0.6871	0.6951	0.7041
0.7139	0.7245	0.7358	0.7619	0.7928
0.8234	0.8537	0.8836	0.9133	0.9427

0.9717 1.0002 1.0284 1.0562 1.0000

Width:

0.3622 0.3643 0.3664 0.3685 0.3706
0.3727 0.3748 0.3769 0.3790 0.3811
0.3832 0.3853 0.3874 0.3895 0.3916
0.3937 0.3958 0.3979 0.4000 0.4021
0.4042 0.4063 0.4084 0.4106 0.4127
0.4148 0.4169 0.5153 0.5489 0.5824
0.6160 0.6495 0.6831 0.7167 0.7502
0.7838 0.8173 0.8509 0.8603 0.8611
0.8618 0.8626 0.8634 0.8642 0.8662
0.8695 0.8728 0.8761 0.8794 1.0000

Transect Trous2

Area:

0.0100 0.0288 0.0477 0.0667 0.0857
0.1047 0.1238 0.1430 0.1622 0.1815
0.2008 0.2202 0.2397 0.2592 0.2788
0.2984 0.3181 0.3379 0.3577 0.3775
0.3975 0.4174 0.4375 0.4576 0.4777
0.4980 0.5182 0.5386 0.5589 0.5794
0.5999 0.6204 0.6411 0.6617 0.6825
0.7033 0.7241 0.7450 0.7660 0.7870
0.8081 0.8292 0.8504 0.8717 0.8930
0.9143 0.9357 0.9571 0.9785 1.0000

Hrad:

0.0187 0.0529 0.0860 0.1180 0.1489
0.1789 0.2080 0.2362 0.2635 0.2901
0.3159 0.3410 0.3655 0.3892 0.4124
0.4349 0.4569 0.4783 0.4992 0.5197
0.5396 0.5590 0.5781 0.5967 0.6149
0.6327 0.6501 0.6671 0.6838 0.7002
0.7163 0.7320 0.7474 0.7625 0.7774
0.7920 0.8063 0.8204 0.8342 0.8478
0.8611 0.8742 0.8871 0.8999 0.9162
0.9332 0.9501 0.9669 0.9835 1.0000

Width:

0.8751 0.8778 0.8805 0.8832 0.8859
0.8886 0.8913 0.8940 0.8967 0.8994
0.9021 0.9048 0.9075 0.9102 0.9129
0.9156 0.9183 0.9210 0.9237 0.9264
0.9291 0.9318 0.9345 0.9372 0.9399
0.9426 0.9453 0.9480 0.9507 0.9534
0.9561 0.9588 0.9615 0.9642 0.9669
0.9696 0.9723 0.9750 0.9777 0.9804
0.9831 0.9858 0.9886 0.9913 0.9929
0.9943 0.9957 0.9972 0.9986 1.0000

Transect Trous3

Area:

0.0013 0.0050 0.0113 0.0202 0.0315
0.0454 0.0617 0.0792 0.0973 0.1160
0.1353 0.1552 0.1756 0.1966 0.2176
0.2387 0.2599 0.2812 0.3025 0.3239
0.3454 0.3670 0.3886 0.4103 0.4321
0.4539 0.4758 0.4978 0.5199 0.5420
0.5643 0.5865 0.6089 0.6313 0.6538

0.6764 0.6991 0.7218 0.7446 0.7675
0.7904 0.8134 0.8365 0.8597 0.8829
0.9062 0.9296 0.9530 0.9765 1.0000
Hrad:
0.0153 0.0306 0.0458 0.0611 0.0764
0.0917 0.1094 0.1351 0.1598 0.1837
0.2068 0.2293 0.2512 0.2760 0.3019
0.3274 0.3524 0.3770 0.4011 0.4247
0.4479 0.4708 0.4932 0.5152 0.5369
0.5582 0.5792 0.5999 0.6202 0.6402
0.6598 0.6792 0.6983 0.7171 0.7357
0.7540 0.7720 0.7898 0.8073 0.8246
0.8416 0.8584 0.8751 0.8915 0.9076
0.9236 0.9416 0.9612 0.9807 1.0000
Width:
0.1071 0.2143 0.3214 0.4286 0.5357
0.6429 0.7313 0.7564 0.7816 0.8067
0.8319 0.8570 0.8822 0.8927 0.8958
0.8989 0.9020 0.9051 0.9082 0.9113
0.9144 0.9175 0.9206 0.9238 0.9269
0.9300 0.9331 0.9362 0.9393 0.9424
0.9455 0.9486 0.9517 0.9548 0.9579
0.9610 0.9641 0.9672 0.9703 0.9734
0.9765 0.9796 0.9827 0.9858 0.9890
0.9921 0.9944 0.9963 0.9981 1.0000

Transect Trous4
Area:
0.0106 0.0218 0.0334 0.0454 0.0577
0.0705 0.0836 0.0971 0.1110 0.1252
0.1399 0.1549 0.1703 0.1861 0.2023
0.2188 0.2358 0.2531 0.2708 0.2889
0.3073 0.3261 0.3454 0.3650 0.3850
0.4053 0.4261 0.4472 0.4687 0.4906
0.5128 0.5355 0.5585 0.5819 0.6057
0.6299 0.6545 0.6794 0.7047 0.7304
0.7565 0.7829 0.8094 0.8362 0.8630
0.8901 0.9173 0.9447 0.9723 1.0000
Hrad:
0.0401 0.0779 0.1132 0.1461 0.1772
0.2066 0.2345 0.2611 0.2866 0.3112
0.3348 0.3576 0.3798 0.4013 0.4222
0.4425 0.4625 0.4819 0.5010 0.5197
0.5381 0.5561 0.5739 0.5914 0.6087
0.6257 0.6425 0.6592 0.6756 0.6919
0.7080 0.7239 0.7397 0.7554 0.7709
0.7864 0.8017 0.8169 0.8320 0.8470
0.8619 0.8782 0.8944 0.9103 0.9259
0.9412 0.9562 0.9711 0.9856 1.0000
Width:
0.3964 0.4101 0.4238 0.4375 0.4512
0.4649 0.4786 0.4923 0.5060 0.5197
0.5334 0.5471 0.5609 0.5746 0.5883
0.6020 0.6157 0.6294 0.6431 0.6568
0.6705 0.6842 0.6979 0.7116 0.7254
0.7391 0.7528 0.7665 0.7802 0.7939
0.8076 0.8213 0.8350 0.8487 0.8624

0.8761 0.8899 0.9036 0.9173 0.9310
0.9447 0.9517 0.9577 0.9637 0.9698
0.9758 0.9819 0.9879 0.9940 1.0000

Transect Trous4-5
Area:
0.0102 0.0213 0.0331 0.0456 0.0588
0.0725 0.0867 0.1015 0.1169 0.1327
0.1488 0.1653 0.1820 0.1990 0.2163
0.2339 0.2519 0.2701 0.2886 0.3074
0.3265 0.3459 0.3656 0.3856 0.4060
0.4266 0.4475 0.4687 0.4902 0.5120
0.5341 0.5565 0.5792 0.6022 0.6256
0.6492 0.6731 0.6973 0.7217 0.7463
0.7710 0.7959 0.8209 0.8460 0.8713
0.8968 0.9224 0.9481 0.9740 1.0000
Hrad:
0.0428 0.0822 0.1183 0.1519 0.1843
0.2148 0.2436 0.2710 0.2973 0.3248
0.3513 0.3767 0.4011 0.4245 0.4471
0.4690 0.4902 0.5107 0.5306 0.5500
0.5689 0.5874 0.6054 0.6230 0.6403
0.6573 0.6739 0.6902 0.7063 0.7221
0.7376 0.7529 0.7681 0.7830 0.7977
0.8122 0.8266 0.8408 0.8556 0.8700
0.8842 0.8981 0.9117 0.9250 0.9381
0.9509 0.9635 0.9759 0.9880 1.0000
Width:
0.4105 0.4385 0.4665 0.4937 0.5148
0.5360 0.5572 0.5784 0.5996 0.6121
0.6235 0.6350 0.6465 0.6580 0.6695
0.6809 0.6924 0.7039 0.7154 0.7269
0.7383 0.7498 0.7613 0.7728 0.7843
0.7957 0.8072 0.8187 0.8302 0.8417
0.8531 0.8646 0.8761 0.8876 0.8990
0.9105 0.9220 0.9335 0.9393 0.9449
0.9504 0.9559 0.9614 0.9669 0.9724
0.9779 0.9835 0.9890 0.9945 1.0000

Transect Trous5
Area:
0.0140 0.0285 0.0432 0.0582 0.0734
0.0889 0.1046 0.1205 0.1368 0.1532
0.1699 0.1868 0.2040 0.2215 0.2392
0.2571 0.2753 0.2937 0.3124 0.3313
0.3504 0.3699 0.3895 0.4094 0.4296
0.4500 0.4706 0.4915 0.5126 0.5340
0.5556 0.5775 0.5996 0.6220 0.6446
0.6674 0.6904 0.7134 0.7366 0.7599
0.7834 0.8070 0.8306 0.8545 0.8784
0.9025 0.9267 0.9510 0.9754 1.0000
Hrad:
0.0512 0.0988 0.1424 0.1828 0.2202
0.2552 0.2880 0.3188 0.3480 0.3755
0.4018 0.4268 0.4507 0.4736 0.4956
0.5168 0.5372 0.5569 0.5760 0.5945
0.6125 0.6300 0.6470 0.6636 0.6798

0.6957 0.7112 0.7264 0.7412 0.7558
0.7702 0.7843 0.7981 0.8118 0.8252
0.8387 0.8519 0.8648 0.8774 0.8897
0.9018 0.9136 0.9251 0.9364 0.9475
0.9584 0.9691 0.9796 0.9899 1.0000
Width:
0.5828 0.5928 0.6028 0.6128 0.6229
0.6329 0.6429 0.6529 0.6629 0.6729
0.6829 0.6929 0.7029 0.7129 0.7229
0.7329 0.7430 0.7530 0.7630 0.7730
0.7830 0.7930 0.8030 0.8130 0.8230
0.8330 0.8430 0.8530 0.8631 0.8731
0.8831 0.8931 0.9031 0.9131 0.9231
0.9288 0.9339 0.9389 0.9440 0.9491
0.9542 0.9593 0.9644 0.9695 0.9746
0.9796 0.9847 0.9898 0.9949 1.0000

Transect Trous6
Area:
0.0118 0.0283 0.0451 0.0620 0.0790
0.0962 0.1136 0.1312 0.1489 0.1667
0.1848 0.2030 0.2213 0.2398 0.2585
0.2774 0.2964 0.3155 0.3349 0.3544
0.3740 0.3938 0.4138 0.4340 0.4543
0.4748 0.4954 0.5162 0.5371 0.5583
0.5795 0.6010 0.6226 0.6444 0.6662
0.6881 0.7101 0.7321 0.7542 0.7763
0.7984 0.8206 0.8429 0.8652 0.8875
0.9099 0.9324 0.9549 0.9774 1.0000
Hrad:
0.0350 0.0804 0.1222 0.1609 0.1969
0.2305 0.2619 0.2914 0.3192 0.3455
0.3704 0.3940 0.4165 0.4380 0.4585
0.4781 0.4969 0.5150 0.5325 0.5493
0.5655 0.5812 0.5964 0.6111 0.6253
0.6392 0.6527 0.6659 0.6787 0.6912
0.7033 0.7153 0.7269 0.7389 0.7571
0.7749 0.7925 0.8098 0.8269 0.8438
0.8604 0.8767 0.8929 0.9088 0.9245
0.9400 0.9553 0.9704 0.9853 1.0000
Width:
0.7292 0.7364 0.7435 0.7507 0.7579
0.7651 0.7723 0.7795 0.7867 0.7939
0.8011 0.8082 0.8154 0.8226 0.8298
0.8370 0.8442 0.8514 0.8586 0.8658
0.8730 0.8801 0.8873 0.8945 0.9017
0.9089 0.9161 0.9233 0.9305 0.9377
0.9449 0.9520 0.9592 0.9660 0.9681
0.9702 0.9724 0.9745 0.9766 0.9787
0.9809 0.9830 0.9851 0.9872 0.9894
0.9915 0.9936 0.9957 0.9979 1.0000

Transect Trous7
Area:
0.0061 0.0199 0.0341 0.0484 0.0629
0.0775 0.0924 0.1074 0.1226 0.1379
0.1534 0.1691 0.1850 0.2010 0.2172

0.2336 0.2501 0.2668 0.2837 0.3008
0.3180 0.3354 0.3530 0.3708 0.3887
0.4068 0.4250 0.4435 0.4621 0.4809
0.5003 0.5246 0.5503 0.5761 0.6020
0.6279 0.6539 0.6800 0.7062 0.7325
0.7589 0.7853 0.8119 0.8385 0.8652
0.8920 0.9189 0.9458 0.9729 1.0000
Hrad:
0.0247 0.0677 0.1102 0.1493 0.1854
0.2191 0.2504 0.2798 0.3074 0.3335
0.3581 0.3815 0.4037 0.4249 0.4452
0.4646 0.4832 0.5011 0.5183 0.5350
0.5510 0.5666 0.5817 0.5963 0.6105
0.6243 0.6378 0.6509 0.6637 0.6763
0.6876 0.6057 0.6299 0.6539 0.6775
0.7008 0.7239 0.7467 0.7691 0.7914
0.8133 0.8350 0.8564 0.8776 0.8986
0.9193 0.9398 0.9601 0.9802 1.0000
Width:
0.4484 0.5174 0.5237 0.5300 0.5363
0.5427 0.5490 0.5553 0.5616 0.5679
0.5743 0.5806 0.5869 0.5932 0.5995
0.6059 0.6122 0.6185 0.6248 0.6311
0.6375 0.6438 0.6501 0.6564 0.6627
0.6691 0.6754 0.6817 0.6880 0.6943
0.7926 0.9439 0.9470 0.9501 0.9533
0.9564 0.9595 0.9626 0.9657 0.9688
0.9720 0.9751 0.9782 0.9813 0.9844
0.9875 0.9907 0.9938 0.9969 1.0000

Transect Trous8
Area:
0.0033 0.0131 0.0288 0.0454 0.0621
0.0789 0.0957 0.1127 0.1298 0.1469
0.1642 0.1815 0.1989 0.2164 0.2341
0.2518 0.2696 0.2875 0.3054 0.3235
0.3417 0.3599 0.3783 0.3967 0.4153
0.4339 0.4526 0.4714 0.4903 0.5093
0.5287 0.5528 0.5770 0.6014 0.6257
0.6502 0.6746 0.6992 0.7237 0.7483
0.7730 0.7977 0.8225 0.8473 0.8722
0.8972 0.9223 0.9476 0.9730 1.0000
Hrad:
0.0295 0.0590 0.1005 0.1516 0.1987
0.2424 0.2829 0.3208 0.3562 0.3893
0.4206 0.4500 0.4778 0.5042 0.5292
0.5530 0.5756 0.5973 0.6179 0.6377
0.6567 0.6750 0.6925 0.7094 0.7256
0.7414 0.7565 0.7712 0.7855 0.7992
0.8119 0.7478 0.7738 0.7994 0.8247
0.8496 0.8742 0.8984 0.9222 0.9458
0.9690 0.9919 1.0145 1.0368 1.0588
1.0804 1.1016 1.1223 1.1426 1.0000
Width:
0.2136 0.4271 0.5388 0.5418 0.5448
0.5478 0.5508 0.5538 0.5568 0.5598
0.5628 0.5658 0.5688 0.5717 0.5747

0.5777 0.5807 0.5837 0.5867 0.5897
0.5927 0.5957 0.5987 0.6017 0.6047
0.6077 0.6107 0.6137 0.6166 0.6196
0.7171 0.7893 0.7909 0.7925 0.7941
0.7957 0.7973 0.7989 0.8005 0.8021
0.8037 0.8053 0.8069 0.8085 0.8101
0.8152 0.8203 0.8254 0.8305 1.0000

Transect Trousd3_copy
Area:
0.0014 0.0055 0.0124 0.0221 0.0346
0.0498 0.0677 0.0866 0.1058 0.1251
0.1448 0.1646 0.1847 0.2050 0.2255
0.2460 0.2666 0.2873 0.3081 0.3290
0.3500 0.3710 0.3922 0.4135 0.4349
0.4563 0.4779 0.4996 0.5213 0.5432
0.5651 0.5871 0.6093 0.6315 0.6538
0.6763 0.6988 0.7214 0.7441 0.7669
0.7898 0.8128 0.8359 0.8591 0.8824
0.9058 0.9292 0.9528 0.9764 1.0000
Hrad:
0.0165 0.0329 0.0494 0.0659 0.0823
0.0988 0.1185 0.1483 0.1774 0.2056
0.2332 0.2600 0.2862 0.3124 0.3383
0.3636 0.3883 0.4125 0.4360 0.4591
0.4816 0.5037 0.5253 0.5464 0.5672
0.5875 0.6074 0.6269 0.6461 0.6649
0.6834 0.7015 0.7193 0.7368 0.7541
0.7710 0.7877 0.8041 0.8202 0.8361
0.8517 0.8671 0.8823 0.8973 0.9121
0.9266 0.9437 0.9626 0.9814 1.0000
Width:
0.1169 0.2337 0.3506 0.4674 0.5843
0.7011 0.7936 0.8037 0.8138 0.8239
0.8340 0.8441 0.8542 0.8603 0.8644
0.8684 0.8725 0.8765 0.8805 0.8846
0.8886 0.8927 0.8967 0.9007 0.9048
0.9088 0.9129 0.9169 0.9210 0.9250
0.9290 0.9331 0.9371 0.9412 0.9452
0.9492 0.9533 0.9573 0.9614 0.9654
0.9695 0.9735 0.9775 0.9816 0.9856
0.9897 0.9928 0.9952 0.9976 1.0000

Transect XS1
Area:
0.0031 0.0099 0.0193 0.0310 0.0452
0.0613 0.0778 0.0944 0.1114 0.1285
0.1459 0.1635 0.1814 0.1995 0.2178
0.2363 0.2551 0.2741 0.2934 0.3129
0.3326 0.3525 0.3727 0.3931 0.4137
0.4346 0.4557 0.4770 0.4986 0.5204
0.5424 0.5647 0.5872 0.6099 0.6329
0.6561 0.6795 0.7032 0.7271 0.7512
0.7754 0.7998 0.8243 0.8489 0.8738
0.8987 0.9238 0.9491 0.9745 1.0000
Hrad:
0.0178 0.0399 0.0590 0.0769 0.0942

0.1195 0.1480 0.1756 0.2023 0.2283
0.2536 0.2782 0.3021 0.3254 0.3482
0.3705 0.3922 0.4135 0.4343 0.4548
0.4748 0.4944 0.5137 0.5327 0.5513
0.5696 0.5876 0.6054 0.6229 0.6401
0.6571 0.6739 0.6904 0.7067 0.7229
0.7388 0.7546 0.7701 0.7856 0.8057
0.8257 0.8455 0.8653 0.8849 0.9043
0.9237 0.9430 0.9621 0.9811 1.0000

Width:

0.2207 0.3159 0.4110 0.5062 0.6014
0.6380 0.6471 0.6562 0.6652 0.6743
0.6834 0.6925 0.7015 0.7106 0.7197
0.7287 0.7378 0.7469 0.7559 0.7650
0.7741 0.7831 0.7922 0.8013 0.8104
0.8194 0.8285 0.8376 0.8466 0.8557
0.8648 0.8738 0.8829 0.8920 0.9011
0.9101 0.9192 0.9283 0.9373 0.9430
0.9487 0.9544 0.9601 0.9658 0.9715
0.9772 0.9829 0.9886 0.9943 1.0000

Transect XS10

Area:

0.0112 0.0249 0.0387 0.0526 0.0667
0.0809 0.0953 0.1097 0.1244 0.1392
0.1541 0.1691 0.1843 0.1997 0.2152
0.2308 0.2466 0.2625 0.2785 0.2947
0.3110 0.3275 0.3441 0.3609 0.3778
0.3948 0.4120 0.4293 0.4468 0.4644
0.4821 0.5000 0.5193 0.5440 0.5695
0.5951 0.6207 0.6464 0.6722 0.6981
0.7241 0.7502 0.7763 0.8025 0.8299
0.8595 0.8913 0.9253 0.9616 1.0000

Hrad:

0.0424 0.0908 0.1365 0.1799 0.2212
0.2604 0.2979 0.3337 0.3680 0.4009
0.4325 0.4630 0.4923 0.5206 0.5479
0.5744 0.6000 0.6248 0.6489 0.6724
0.6952 0.7174 0.7390 0.7601 0.7807
0.8008 0.8204 0.8397 0.8585 0.8769
0.8950 0.9128 0.8158 0.7789 0.8100
0.8408 0.8713 0.9016 0.9316 0.9613
0.9907 1.0199 1.0489 1.0769 1.0536
1.0354 1.0214 1.0112 1.0042 1.0000

Width:

0.3435 0.3471 0.3506 0.3542 0.3578
0.3613 0.3649 0.3684 0.3720 0.3756
0.3791 0.3827 0.3863 0.3898 0.3934
0.3970 0.4005 0.4041 0.4077 0.4112
0.4148 0.4184 0.4219 0.4255 0.4291
0.4326 0.4362 0.4398 0.4433 0.4469
0.4505 0.4540 0.5655 0.6434 0.6454
0.6475 0.6496 0.6517 0.6538 0.6559
0.6579 0.6600 0.6621 0.6649 0.7207
0.7766 0.8324 0.8883 0.9441 1.0000

Transect XS11

Area:

0.0103	0.0224	0.0348	0.0476	0.0608
0.0744	0.0883	0.1025	0.1172	0.1322
0.1475	0.1632	0.1793	0.1957	0.2125
0.2297	0.2472	0.2651	0.2833	0.3019
0.3209	0.3403	0.3599	0.3800	0.4004
0.4212	0.4423	0.4638	0.4857	0.5079
0.5305	0.5535	0.5768	0.6005	0.6245
0.6488	0.6733	0.6978	0.7224	0.7472
0.7720	0.7969	0.8220	0.8471	0.8723
0.8977	0.9231	0.9486	0.9743	1.0000

Hrad:

0.0392	0.0805	0.1186	0.1540	0.1872
0.2183	0.2477	0.2756	0.3022	0.3276
0.3520	0.3755	0.3981	0.4200	0.4412
0.4618	0.4818	0.5013	0.5204	0.5391
0.5573	0.5752	0.5928	0.6101	0.6271
0.6438	0.6603	0.6766	0.6927	0.7085
0.7242	0.7397	0.7550	0.7702	0.7853
0.8016	0.8180	0.8340	0.8496	0.8649
0.8798	0.8943	0.9085	0.9224	0.9360
0.9494	0.9624	0.9752	0.9877	1.0000

Width:

0.4621	0.4761	0.4902	0.5042	0.5183
0.5323	0.5463	0.5604	0.5744	0.5884
0.6025	0.6165	0.6306	0.6446	0.6586
0.6727	0.6867	0.7008	0.7148	0.7288
0.7429	0.7569	0.7709	0.7850	0.7990
0.8131	0.8271	0.8411	0.8552	0.8692
0.8832	0.8973	0.9113	0.9254	0.9394
0.9460	0.9499	0.9537	0.9576	0.9614
0.9653	0.9691	0.9730	0.9769	0.9807
0.9846	0.9884	0.9923	0.9961	1.0000

Transect XS13

Area:

0.0017	0.0067	0.0151	0.0269	0.0418
0.0579	0.0741	0.0905	0.1071	0.1239
0.1409	0.1580	0.1754	0.1930	0.2108
0.2288	0.2469	0.2653	0.2838	0.3026
0.3215	0.3407	0.3600	0.3796	0.3993
0.4192	0.4394	0.4597	0.4802	0.5009
0.5218	0.5429	0.5642	0.5857	0.6074
0.6293	0.6514	0.6737	0.6961	0.7188
0.7417	0.7647	0.7880	0.8115	0.8351
0.8591	0.8865	0.9203	0.9586	1.0000

Hrad:

0.0261	0.0523	0.0784	0.1045	0.1369
0.1843	0.2299	0.2738	0.3161	0.3571
0.3966	0.4349	0.4721	0.5081	0.5432
0.5772	0.6104	0.6427	0.6742	0.7050
0.7350	0.7644	0.7932	0.8213	0.8489
0.8759	0.9025	0.9285	0.9541	0.9792
1.0039	1.0283	1.0522	1.0758	1.0990
1.1219	1.1445	1.1667	1.1887	1.2104
1.2318	1.2530	1.2739	1.2946	1.3151
1.2909	1.1643	1.0434	1.0187	1.0000

Width:

0.0781	0.1561	0.2342	0.3123	0.3700
0.3746	0.3791	0.3837	0.3882	0.3928
0.3973	0.4019	0.4065	0.4110	0.4156
0.4201	0.4247	0.4292	0.4338	0.4383
0.4429	0.4474	0.4520	0.4565	0.4611
0.4657	0.4702	0.4748	0.4793	0.4839
0.4884	0.4930	0.4975	0.5021	0.5066
0.5112	0.5157	0.5203	0.5249	0.5294
0.5340	0.5385	0.5431	0.5476	0.5522
0.5852	0.7023	0.8528	0.9264	1.0000

Transect XS14

Area:

0.0017	0.0067	0.0151	0.0269	0.0418
0.0579	0.0741	0.0905	0.1071	0.1239
0.1409	0.1580	0.1754	0.1930	0.2108
0.2288	0.2469	0.2653	0.2838	0.3026
0.3215	0.3407	0.3600	0.3796	0.3993
0.4192	0.4394	0.4597	0.4802	0.5009
0.5218	0.5429	0.5642	0.5857	0.6074
0.6293	0.6514	0.6737	0.6961	0.7188
0.7417	0.7647	0.7880	0.8115	0.8351
0.8591	0.8865	0.9203	0.9586	1.0000

Hrad:

0.0187	0.0374	0.0560	0.0747	0.0978
0.1317	0.1643	0.1957	0.2260	0.2552
0.2835	0.3109	0.3374	0.3632	0.3882
0.4126	0.4363	0.4594	0.4819	0.5039
0.5254	0.5464	0.5669	0.5871	0.6068
0.6261	0.6451	0.6637	0.6820	0.6999
0.7176	0.7350	0.7521	0.7689	0.7855
0.8019	0.8180	0.8340	0.8497	0.8652
0.8805	0.8956	0.9106	0.9254	0.9400
0.9562	0.9734	0.9858	0.9940	1.0000

Width:

0.0781	0.1561	0.2342	0.3123	0.3700
0.3746	0.3791	0.3837	0.3882	0.3928
0.3973	0.4019	0.4065	0.4110	0.4156
0.4201	0.4247	0.4292	0.4338	0.4383
0.4429	0.4474	0.4520	0.4565	0.4611
0.4657	0.4702	0.4748	0.4793	0.4839
0.4884	0.4930	0.4975	0.5021	0.5066
0.5112	0.5157	0.5203	0.5249	0.5294
0.5340	0.5385	0.5431	0.5476	0.5522
0.5852	0.7023	0.8528	0.9264	1.0000

Transect XS15

Area:

0.0010	0.0041	0.0092	0.0164	0.0255
0.0361	0.0475	0.0598	0.0730	0.0869
0.1011	0.1155	0.1302	0.1451	0.1602
0.1756	0.1912	0.2070	0.2231	0.2394
0.2560	0.2728	0.2898	0.3071	0.3246
0.3424	0.3604	0.3786	0.3971	0.4158
0.4347	0.4539	0.4734	0.4939	0.5153
0.5378	0.5619	0.5877	0.6153	0.6446

0.6756 0.7082 0.7417 0.7761 0.8113
0.8474 0.8843 0.9220 0.9606 1.0000
Hrad:
0.0185 0.0369 0.0554 0.0738 0.0930
0.1201 0.1455 0.1697 0.1928 0.2198
0.2484 0.2760 0.3027 0.3285 0.3536
0.3779 0.4015 0.4245 0.4469 0.4687
0.4901 0.5110 0.5314 0.5514 0.5710
0.5902 0.6091 0.6277 0.6459 0.6639
0.6816 0.6990 0.7196 0.7413 0.7612
0.7825 0.8042 0.8234 0.8405 0.8557
0.8693 0.8827 0.8968 0.9112 0.9257
0.9404 0.9551 0.9700 0.9850 1.0000
Width:
0.0513 0.1026 0.1539 0.2052 0.2543
0.2761 0.2979 0.3196 0.3414 0.3530
0.3590 0.3650 0.3709 0.3769 0.3829
0.3888 0.3948 0.4008 0.4068 0.4127
0.4187 0.4247 0.4307 0.4366 0.4426
0.4486 0.4545 0.4605 0.4665 0.4725
0.4784 0.4844 0.5008 0.5253 0.5498
0.5839 0.6271 0.6704 0.7136 0.7569
0.8002 0.8312 0.8523 0.8734 0.8945
0.9156 0.9367 0.9578 0.9789 1.0000

Transect XS16
Area:
0.0009 0.0036 0.0081 0.0144 0.0225
0.0324 0.0440 0.0572 0.0711 0.0853
0.0999 0.1149 0.1302 0.1459 0.1619
0.1783 0.1951 0.2123 0.2298 0.2476
0.2658 0.2844 0.3034 0.3227 0.3424
0.3624 0.3828 0.4036 0.4247 0.4462
0.4681 0.4903 0.5129 0.5358 0.5591
0.5828 0.6069 0.6313 0.6560 0.6811
0.7066 0.7325 0.7588 0.7865 0.8155
0.8459 0.8776 0.9108 0.9484 1.0000
Hrad:
0.0290 0.0580 0.0870 0.1160 0.1451
0.1741 0.2031 0.2418 0.2892 0.3346
0.3783 0.4204 0.4611 0.5005 0.5387
0.5758 0.6119 0.6471 0.6814 0.7151
0.7480 0.7802 0.8118 0.8429 0.8735
0.9036 0.9332 0.9624 0.9911 1.0196
1.0476 1.0754 1.1028 1.1300 1.1568
1.1834 1.2098 1.2359 1.2618 1.2875
1.3130 1.3383 1.3441 1.3354 1.3297
1.3266 1.3258 1.3271 0.9691 1.0000
Width:
0.0345 0.0690 0.1035 0.1380 0.1725
0.2070 0.2415 0.2626 0.2697 0.2767
0.2836 0.2906 0.2975 0.3045 0.3115
0.3184 0.3254 0.3324 0.3393 0.3463
0.3533 0.3602 0.3672 0.3742 0.3811
0.3881 0.3951 0.4020 0.4090 0.4160
0.4229 0.4299 0.4369 0.4438 0.4508
0.4578 0.4647 0.4717 0.4787 0.4856

0.4926 0.4996 0.5169 0.5434 0.5699
0.5963 0.6228 0.6493 0.9795 1.0000

Transect XS17
Area:
0.0017 0.0070 0.0146 0.0240 0.0343
0.0451 0.0565 0.0684 0.0809 0.0938
0.1074 0.1214 0.1360 0.1509 0.1662
0.1818 0.1978 0.2140 0.2307 0.2477
0.2650 0.2827 0.3007 0.3191 0.3378
0.3568 0.3762 0.3960 0.4160 0.4366
0.4599 0.4862 0.5129 0.5398 0.5669
0.5942 0.6216 0.6493 0.6772 0.7052
0.7335 0.7619 0.7905 0.8194 0.8484
0.8776 0.9073 0.9376 0.9685 1.0000
Hrad:
0.0169 0.0347 0.0575 0.0804 0.1081
0.1344 0.1595 0.1835 0.2067 0.2291
0.2509 0.2720 0.2946 0.3176 0.3401
0.3620 0.3835 0.4045 0.4251 0.4453
0.4652 0.4847 0.5040 0.5229 0.5416
0.5600 0.5782 0.5962 0.6139 0.6325
0.6505 0.6641 0.6789 0.6946 0.7109
0.7277 0.7448 0.7621 0.7796 0.7973
0.8150 0.8327 0.8504 0.8682 0.8859
0.9059 0.9305 0.9544 0.9775 1.0000
Width:
0.1100 0.2136 0.2693 0.3151 0.3321
0.3491 0.3661 0.3832 0.4002 0.4172
0.4343 0.4513 0.4643 0.4751 0.4860
0.4968 0.5076 0.5185 0.5293 0.5401
0.5510 0.5618 0.5726 0.5835 0.5943
0.6051 0.6159 0.6268 0.6376 0.6720
0.7952 0.8375 0.8436 0.8497 0.8557
0.8618 0.8679 0.8740 0.8800 0.8861
0.8922 0.8983 0.9043 0.9104 0.9165
0.9264 0.9448 0.9632 0.9816 1.0000

Transect XS18
Area:
0.0011 0.0041 0.0083 0.0132 0.0191
0.0257 0.0332 0.0414 0.0501 0.0593
0.0690 0.0793 0.0900 0.1012 0.1130
0.1253 0.1388 0.1539 0.1704 0.1885
0.2082 0.2293 0.2517 0.2744 0.2974
0.3213 0.3454 0.3699 0.3947 0.4198
0.4453 0.4710 0.4971 0.5234 0.5501
0.5771 0.6045 0.6321 0.6600 0.6883
0.7169 0.7458 0.7750 0.8046 0.8351
0.8664 0.8985 0.9315 0.9653 1.0000
Hrad:
0.0166 0.0366 0.0588 0.0786 0.0971
0.1147 0.1318 0.1515 0.1710 0.1895
0.2074 0.2247 0.2415 0.2579 0.2739
0.2846 0.2843 0.2869 0.2917 0.2981
0.3059 0.3147 0.3343 0.3605 0.3869
0.4153 0.4434 0.4711 0.4986 0.5257

0.5526 0.5792 0.6055 0.6316 0.6574
0.6830 0.7084 0.7335 0.7585 0.7832
0.8077 0.8320 0.8561 0.8788 0.9002
0.9211 0.9416 0.9615 0.9810 1.0000

Width:

0.0603 0.1060 0.1297 0.1535 0.1773
0.2011 0.2249 0.2410 0.2554 0.2697
0.2841 0.2985 0.3128 0.3272 0.3415
0.3640 0.4072 0.4505 0.4938 0.5371
0.5803 0.6236 0.6440 0.6490 0.6747
0.6837 0.6927 0.7017 0.7107 0.7197
0.7286 0.7376 0.7466 0.7556 0.7646
0.7736 0.7826 0.7915 0.8005 0.8095
0.8185 0.8275 0.8365 0.8544 0.8787
0.9030 0.9272 0.9515 0.9757 1.0000

Transect XS19

Area:

0.0018 0.0059 0.0113 0.0178 0.0249
0.0326 0.0410 0.0500 0.0596 0.0699
0.0809 0.0924 0.1046 0.1175 0.1310
0.1450 0.1596 0.1746 0.1900 0.2060
0.2223 0.2392 0.2565 0.2743 0.2925
0.3112 0.3304 0.3508 0.3729 0.3969
0.4226 0.4498 0.4775 0.5055 0.5337
0.5621 0.5909 0.6198 0.6490 0.6785
0.7082 0.7381 0.7683 0.7989 0.8302
0.8624 0.8955 0.9294 0.9643 1.0000

Hrad:

0.0222 0.0533 0.0799 0.1110 0.1403
0.1678 0.1938 0.2188 0.2429 0.2663
0.2891 0.3115 0.3335 0.3551 0.3765
0.4003 0.4245 0.4481 0.4714 0.4942
0.5167 0.5388 0.5606 0.5821 0.6034
0.6245 0.6415 0.6303 0.6236 0.6205
0.6204 0.6358 0.6642 0.6920 0.7193
0.7460 0.7723 0.7982 0.8236 0.8486
0.8732 0.8974 0.9212 0.9377 0.9471
0.9569 0.9671 0.9777 0.9887 1.0000

Width:

0.0966 0.1323 0.1680 0.1873 0.2050
0.2227 0.2403 0.2580 0.2757 0.2933
0.3110 0.3287 0.3463 0.3640 0.3817
0.3957 0.4084 0.4212 0.4340 0.4468
0.4595 0.4723 0.4851 0.4978 0.5106
0.5234 0.5400 0.5888 0.6375 0.6862
0.7350 0.7626 0.7695 0.7764 0.7833
0.7903 0.7972 0.8041 0.8110 0.8180
0.8249 0.8318 0.8388 0.8541 0.8784
0.9027 0.9271 0.9514 0.9757 1.0000

Transect XS2

Area:

0.0032 0.0128 0.0270 0.0417 0.0567
0.0719 0.0874 0.1031 0.1192 0.1354
0.1520 0.1688 0.1858 0.2032 0.2207
0.2386 0.2567 0.2751 0.2937 0.3126

0.3318 0.3512 0.3709 0.3908 0.4111
0.4315 0.4523 0.4733 0.4945 0.5160
0.5378 0.5599 0.5822 0.6048 0.6276
0.6507 0.6741 0.6977 0.7216 0.7457
0.7701 0.7948 0.8197 0.8449 0.8704
0.8960 0.9217 0.9477 0.9738 1.0000

Hrad:

0.0151 0.0303 0.0559 0.0843 0.1119
0.1388 0.1649 0.1905 0.2155 0.2398
0.2637 0.2871 0.3100 0.3325 0.3545
0.3762 0.3974 0.4184 0.4390 0.4593
0.4792 0.4989 0.5184 0.5375 0.5564
0.5751 0.5936 0.6118 0.6299 0.6477
0.6654 0.6828 0.7001 0.7173 0.7342
0.7511 0.7678 0.7843 0.8007 0.8170
0.8331 0.8492 0.8651 0.8809 0.8998
0.9200 0.9402 0.9602 0.9802 1.0000

Width:

0.2426 0.4852 0.5534 0.5633 0.5733
0.5833 0.5932 0.6032 0.6132 0.6231
0.6331 0.6431 0.6530 0.6630 0.6730
0.6829 0.6929 0.7029 0.7128 0.7228
0.7328 0.7427 0.7527 0.7627 0.7727
0.7826 0.7926 0.8026 0.8125 0.8225
0.8325 0.8424 0.8524 0.8624 0.8723
0.8823 0.8923 0.9022 0.9122 0.9222
0.9321 0.9421 0.9521 0.9620 0.9694
0.9755 0.9816 0.9878 0.9939 1.0000

Transect XS20

Area:

0.0049 0.0168 0.0292 0.0419 0.0549
0.0681 0.0815 0.0953 0.1092 0.1235
0.1380 0.1527 0.1678 0.1830 0.1986
0.2144 0.2304 0.2467 0.2633 0.2802
0.2972 0.3146 0.3322 0.3501 0.3682
0.3866 0.4052 0.4241 0.4433 0.4627
0.4824 0.5024 0.5232 0.5450 0.5680
0.5919 0.6170 0.6430 0.6702 0.6984
0.7270 0.7558 0.7849 0.8145 0.8444
0.8747 0.9054 0.9365 0.9681 1.0000

Hrad:

0.0191 0.0518 0.0874 0.1216 0.1547
0.1867 0.2176 0.2476 0.2767 0.3051
0.3327 0.3595 0.3858 0.4114 0.4365
0.4611 0.4851 0.5088 0.5319 0.5547
0.5771 0.5991 0.6208 0.6421 0.6632
0.6839 0.7044 0.7246 0.7446 0.7644
0.7839 0.7970 0.7930 0.7908 0.7903
0.7912 0.7934 0.7968 0.8012 0.8100
0.8345 0.8574 0.8757 0.8939 0.9119
0.9298 0.9475 0.9651 0.9826 1.0000

Width:

0.3066 0.3828 0.3909 0.3990 0.4070
0.4151 0.4232 0.4312 0.4393 0.4473
0.4554 0.4635 0.4715 0.4796 0.4877
0.4957 0.5038 0.5118 0.5199 0.5280

0.5360 0.5441 0.5522 0.5602 0.5683
0.5763 0.5844 0.5925 0.6005 0.6086
0.6167 0.6310 0.6639 0.6968 0.7298
0.7627 0.7956 0.8285 0.8615 0.8892
0.8938 0.9001 0.9126 0.9251 0.9376
0.9500 0.9625 0.9750 0.9875 1.0000

Transect XS21
Area:
0.0006 0.0025 0.0057 0.0101 0.0158
0.0228 0.0310 0.0405 0.0513 0.0634
0.0767 0.0910 0.1058 0.1210 0.1366
0.1525 0.1688 0.1855 0.2025 0.2200
0.2378 0.2560 0.2745 0.2935 0.3128
0.3325 0.3529 0.3757 0.3998 0.4241
0.4487 0.4737 0.4989 0.5245 0.5503
0.5765 0.6030 0.6297 0.6568 0.6842
0.7122 0.7411 0.7707 0.8011 0.8323
0.8643 0.8970 0.9306 0.9649 1.0000
Hrad:
0.0157 0.0314 0.0470 0.0627 0.0784
0.0941 0.1098 0.1254 0.1411 0.1568
0.1725 0.1948 0.2196 0.2438 0.2674
0.2903 0.3128 0.3347 0.3562 0.3773
0.3979 0.4183 0.4383 0.4579 0.4773
0.4964 0.5146 0.5293 0.5464 0.5642
0.5825 0.6012 0.6201 0.6393 0.6587
0.6782 0.6978 0.7175 0.7372 0.7601
0.7876 0.8142 0.8399 0.8647 0.8889
0.9123 0.9350 0.9572 0.9789 1.0000
Width:
0.0357 0.0714 0.1071 0.1428 0.1785
0.2142 0.2499 0.2856 0.3214 0.3571
0.3928 0.4116 0.4222 0.4328 0.4435
0.4541 0.4647 0.4753 0.4859 0.4966
0.5072 0.5178 0.5284 0.5390 0.5497
0.5603 0.6055 0.6733 0.6818 0.6903
0.6987 0.7072 0.7157 0.7242 0.7327
0.7412 0.7497 0.7581 0.7666 0.7800
0.8020 0.8240 0.8460 0.8680 0.8900
0.9120 0.9340 0.9560 0.9780 1.0000

Transect XS22
Area:
0.0014 0.0053 0.0106 0.0172 0.0249
0.0333 0.0422 0.0517 0.0617 0.0723
0.0834 0.0952 0.1074 0.1202 0.1336
0.1475 0.1620 0.1770 0.1926 0.2088
0.2255 0.2428 0.2606 0.2790 0.2979
0.3174 0.3374 0.3580 0.3792 0.4009
0.4232 0.4460 0.4694 0.4934 0.5179
0.5429 0.5685 0.5950 0.6224 0.6508
0.6801 0.7104 0.7416 0.7740 0.8080
0.8438 0.8812 0.9198 0.9594 1.0000
Hrad:
0.0213 0.0490 0.0758 0.1006 0.1304
0.1625 0.1930 0.2223 0.2506 0.2780

0.3047 0.3307 0.3562 0.3813 0.4059
0.4302 0.4541 0.4778 0.5012 0.5244
0.5474 0.5702 0.5928 0.6153 0.6377
0.6599 0.6820 0.7040 0.7259 0.7477
0.7694 0.7911 0.8127 0.8342 0.8556
0.8770 0.8949 0.9043 0.9145 0.9253
0.9368 0.9488 0.9614 0.9585 0.9537
0.9513 0.9553 0.9700 0.9849 1.0000

Width:

0.0691 0.1123 0.1443 0.1762 0.1967
0.2103 0.2238 0.2373 0.2509 0.2644
0.2779 0.2915 0.3050 0.3185 0.3321
0.3456 0.3592 0.3727 0.3862 0.3998
0.4133 0.4268 0.4404 0.4539 0.4675
0.4810 0.4945 0.5081 0.5216 0.5351
0.5487 0.5622 0.5757 0.5893 0.6028
0.6164 0.6325 0.6556 0.6786 0.7016
0.7247 0.7477 0.7708 0.8082 0.8495
0.8908 0.9267 0.9512 0.9756 1.0000

Transect XS23

Area:

0.0025 0.0097 0.0182 0.0276 0.0379
0.0489 0.0609 0.0737 0.0871 0.1009
0.1149 0.1292 0.1437 0.1585 0.1736
0.1889 0.2045 0.2204 0.2365 0.2529
0.2695 0.2864 0.3035 0.3210 0.3386
0.3566 0.3748 0.3932 0.4120 0.4310
0.4502 0.4697 0.4895 0.5095 0.5298
0.5510 0.5751 0.6025 0.6328 0.6640
0.6956 0.7277 0.7602 0.7931 0.8265
0.8603 0.8946 0.9293 0.9644 1.0000

Hrad:

0.0157 0.0372 0.0632 0.0873 0.1099
0.1313 0.1519 0.1717 0.1961 0.2220
0.2474 0.2721 0.2964 0.3203 0.3437
0.3666 0.3892 0.4114 0.4333 0.4548
0.4760 0.4970 0.5176 0.5380 0.5581
0.5780 0.5977 0.6171 0.6364 0.6554
0.6743 0.6930 0.7115 0.7298 0.7480
0.7695 0.7916 0.8085 0.8217 0.8357
0.8506 0.8660 0.8820 0.8983 0.9149
0.9317 0.9486 0.9657 0.9828 1.0000

Width:

0.1418 0.2270 0.2507 0.2743 0.2980
0.3216 0.3453 0.3689 0.3808 0.3881
0.3954 0.4027 0.4100 0.4173 0.4246
0.4319 0.4392 0.4465 0.4538 0.4611
0.4684 0.4757 0.4830 0.4903 0.4976
0.5049 0.5122 0.5195 0.5269 0.5342
0.5415 0.5488 0.5561 0.5634 0.5707
0.6287 0.7192 0.8098 0.8655 0.8777
0.8899 0.9022 0.9144 0.9266 0.9388
0.9511 0.9633 0.9755 0.9878 1.0000

Transect XS24

Area:

0.0067 0.0174 0.0297 0.0423 0.0551
0.0683 0.0818 0.0956 0.1096 0.1240
0.1386 0.1536 0.1689 0.1844 0.2002
0.2164 0.2328 0.2496 0.2666 0.2839
0.3015 0.3195 0.3377 0.3562 0.3750
0.3941 0.4135 0.4332 0.4532 0.4735
0.4941 0.5150 0.5361 0.5576 0.5794
0.6015 0.6238 0.6465 0.6695 0.6927
0.7163 0.7402 0.7660 0.7938 0.8238
0.8559 0.8903 0.9258 0.9624 1.0000

Hrad:

0.0246 0.0472 0.0779 0.1076 0.1362
0.1639 0.1907 0.2167 0.2421 0.2667
0.2907 0.3142 0.3371 0.3595 0.3814
0.4030 0.4241 0.4448 0.4652 0.4853
0.5051 0.5245 0.5437 0.5626 0.5813
0.5998 0.6180 0.6360 0.6538 0.6715
0.6889 0.7062 0.7234 0.7403 0.7572
0.7739 0.7904 0.8068 0.8232 0.8394
0.8554 0.8738 0.8936 0.9105 0.9248
0.9376 0.9534 0.9691 0.9847 1.0000

Width:

0.2354 0.3187 0.3264 0.3342 0.3420
0.3498 0.3576 0.3654 0.3731 0.3809
0.3887 0.3965 0.4043 0.4120 0.4198
0.4276 0.4354 0.4432 0.4510 0.4587
0.4665 0.4743 0.4821 0.4899 0.4976
0.5054 0.5132 0.5210 0.5288 0.5366
0.5443 0.5521 0.5599 0.5677 0.5755
0.5832 0.5910 0.5988 0.6066 0.6144
0.6222 0.6482 0.7034 0.7587 0.8140
0.8726 0.9205 0.9470 0.9735 1.0000

Transect XS25

Area:

0.0009 0.0036 0.0082 0.0146 0.0228
0.0326 0.0429 0.0537 0.0648 0.0764
0.0883 0.1007 0.1134 0.1266 0.1401
0.1541 0.1684 0.1832 0.1983 0.2139
0.2298 0.2462 0.2629 0.2801 0.2976
0.3156 0.3339 0.3527 0.3718 0.3914
0.4113 0.4316 0.4525 0.4744 0.4977
0.5223 0.5482 0.5754 0.6040 0.6339
0.6651 0.6976 0.7314 0.7662 0.8023
0.8395 0.8779 0.9174 0.9581 1.0000

Hrad:

0.0217 0.0434 0.0651 0.0868 0.1085
0.1391 0.1758 0.2111 0.2452 0.2783
0.3104 0.3418 0.3723 0.4022 0.4315
0.4602 0.4884 0.5161 0.5434 0.5702
0.5968 0.6229 0.6488 0.6744 0.6997
0.7248 0.7496 0.7742 0.7986 0.8228
0.8469 0.8707 0.8816 0.8721 0.8660
0.8627 0.8617 0.8629 0.8658 0.8703
0.8762 0.8858 0.8983 0.9114 0.9251
0.9392 0.9538 0.9689 0.9843 1.0000

Width:

0.0429 0.0858 0.1287 0.1717 0.2146
0.2390 0.2484 0.2578 0.2673 0.2767
0.2861 0.2955 0.3049 0.3144 0.3238
0.3332 0.3426 0.3521 0.3615 0.3709
0.3803 0.3897 0.3992 0.4086 0.4180
0.4274 0.4368 0.4463 0.4557 0.4651
0.4745 0.4839 0.5012 0.5324 0.5636
0.5948 0.6260 0.6573 0.6885 0.7197
0.7509 0.7802 0.8077 0.8351 0.8626
0.8901 0.9176 0.9450 0.9725 1.0000

Transect XS26
Area:
0.0007 0.0029 0.0065 0.0116 0.0182
0.0262 0.0355 0.0456 0.0564 0.0678
0.0799 0.0926 0.1060 0.1200 0.1347
0.1501 0.1661 0.1828 0.2001 0.2181
0.2367 0.2561 0.2760 0.2967 0.3179
0.3399 0.3625 0.3857 0.4096 0.4342
0.4590 0.4843 0.5099 0.5359 0.5622
0.5889 0.6159 0.6433 0.6711 0.6992
0.7276 0.7565 0.7857 0.8152 0.8451
0.8754 0.9060 0.9370 0.9683 1.0000
Hrad:
0.0195 0.0389 0.0584 0.0779 0.0974
0.1168 0.1410 0.1683 0.1942 0.2191
0.2431 0.2663 0.2889 0.3109 0.3325
0.3537 0.3746 0.3951 0.4154 0.4354
0.4553 0.4749 0.4944 0.5137 0.5329
0.5520 0.5709 0.5898 0.6085 0.6292
0.6507 0.6717 0.6923 0.7126 0.7325
0.7521 0.7713 0.7903 0.8090 0.8274
0.8456 0.8635 0.8813 0.8988 0.9161
0.9332 0.9502 0.9669 0.9835 1.0000
Width:
0.0456 0.0912 0.1369 0.1825 0.2281
0.2737 0.3064 0.3271 0.3477 0.3684
0.3890 0.4097 0.4303 0.4510 0.4716
0.4922 0.5129 0.5335 0.5542 0.5748
0.5955 0.6161 0.6368 0.6574 0.6781
0.6987 0.7193 0.7400 0.7606 0.7753
0.7865 0.7977 0.8090 0.8202 0.8315
0.8427 0.8539 0.8652 0.8764 0.8876
0.8989 0.9101 0.9213 0.9326 0.9438
0.9551 0.9663 0.9775 0.9888 1.0000

Transect XS27
Area:
0.0015 0.0058 0.0131 0.0232 0.0355
0.0484 0.0616 0.0752 0.0892 0.1037
0.1186 0.1338 0.1495 0.1656 0.1821
0.1990 0.2163 0.2341 0.2522 0.2708
0.2897 0.3091 0.3289 0.3491 0.3697
0.3907 0.4121 0.4340 0.4562 0.4789
0.5019 0.5254 0.5493 0.5735 0.5981
0.6229 0.6480 0.6734 0.6991 0.7251
0.7513 0.7778 0.8046 0.8317 0.8590

0.8867 0.9146 0.9428 0.9712 1.0000

Hrad:

0.0189 0.0378 0.0567 0.0757 0.1056
0.1376 0.1679 0.1970 0.2249 0.2517
0.2776 0.3027 0.3270 0.3506 0.3736
0.3961 0.4180 0.4394 0.4604 0.4810
0.5013 0.5212 0.5408 0.5601 0.5791
0.5979 0.6165 0.6348 0.6529 0.6708
0.6886 0.7062 0.7236 0.7414 0.7593
0.7768 0.7942 0.8112 0.8280 0.8446
0.8610 0.8771 0.8931 0.9089 0.9244
0.9399 0.9551 0.9702 0.9852 1.0000

Width:

0.1004 0.2008 0.3013 0.4017 0.4362
0.4504 0.4646 0.4788 0.4930 0.5072
0.5214 0.5356 0.5498 0.5640 0.5782
0.5924 0.6066 0.6208 0.6350 0.6492
0.6634 0.6776 0.6918 0.7060 0.7202
0.7344 0.7486 0.7628 0.7770 0.7912
0.8054 0.8196 0.8338 0.8449 0.8546
0.8643 0.8740 0.8837 0.8934 0.9031
0.9128 0.9225 0.9322 0.9418 0.9515
0.9612 0.9709 0.9806 0.9903 1.0000

Transect XS28

Area:

0.0008 0.0034 0.0075 0.0134 0.0209
0.0302 0.0411 0.0535 0.0669 0.0811
0.0962 0.1117 0.1275 0.1435 0.1598
0.1763 0.1931 0.2101 0.2274 0.2450
0.2628 0.2808 0.2991 0.3176 0.3364
0.3555 0.3748 0.3943 0.4141 0.4342
0.4545 0.4750 0.4958 0.5169 0.5382
0.5603 0.5831 0.6067 0.6315 0.6579
0.6859 0.7154 0.7466 0.7794 0.8137
0.8496 0.8862 0.9236 0.9616 1.0000

Hrad:

0.0253 0.0506 0.0759 0.1012 0.1264
0.1517 0.1770 0.2073 0.2417 0.2744
0.3061 0.3446 0.3815 0.4170 0.4512
0.4842 0.5161 0.5470 0.5769 0.6060
0.6343 0.6619 0.6887 0.7149 0.7405
0.7656 0.7901 0.8141 0.8377 0.8608
0.8835 0.9059 0.9278 0.9494 0.9706
0.9905 1.0090 1.0262 1.0212 1.0172
1.0144 1.0129 1.0126 1.0134 1.0152
1.0254 1.0457 1.0654 1.0851 1.0000

Width:

0.0435 0.0869 0.1304 0.1739 0.2173
0.2608 0.3043 0.3370 0.3580 0.3790
0.3995 0.4061 0.4126 0.4191 0.4256
0.4321 0.4386 0.4452 0.4517 0.4582
0.4647 0.4712 0.4777 0.4843 0.4908
0.4973 0.5038 0.5103 0.5169 0.5234
0.5299 0.5364 0.5429 0.5494 0.5608
0.5815 0.6022 0.6230 0.6639 0.7052
0.7464 0.7877 0.8289 0.8702 0.9114

0.9428 0.9603 0.9779 0.9915 1.0000

Transect XS29
Area:
0.0007 0.0026 0.0059 0.0105 0.0164
0.0236 0.0321 0.0419 0.0529 0.0646
0.0769 0.0900 0.1037 0.1181 0.1332
0.1489 0.1654 0.1824 0.1998 0.2176
0.2356 0.2541 0.2728 0.2919 0.3114
0.3312 0.3514 0.3719 0.3927 0.4139
0.4355 0.4573 0.4796 0.5021 0.5251
0.5483 0.5720 0.5959 0.6203 0.6462
0.6738 0.7030 0.7338 0.7663 0.8005
0.8364 0.8739 0.9136 0.9560 1.0000
Hrad:
0.0231 0.0461 0.0692 0.0922 0.1153
0.1383 0.1614 0.1844 0.2148 0.2468
0.2776 0.3075 0.3366 0.3651 0.3930
0.4204 0.4473 0.4801 0.5140 0.5473
0.5801 0.6123 0.6440 0.6752 0.7059
0.7362 0.7662 0.7957 0.8249 0.8538
0.8823 0.9105 0.9385 0.9661 0.9935
1.0207 1.0476 1.0743 1.0782 1.0565
1.0398 1.0273 1.0183 1.0124 1.0091
1.0081 1.0067 0.9881 0.9797 1.0000
Width:
0.0294 0.0588 0.0882 0.1176 0.1470
0.1763 0.2057 0.2351 0.2542 0.2695
0.2848 0.3001 0.3154 0.3307 0.3460
0.3614 0.3767 0.3861 0.3939 0.4016
0.4094 0.4172 0.4249 0.4327 0.4404
0.4482 0.4560 0.4637 0.4715 0.4792
0.4870 0.4948 0.5025 0.5103 0.5180
0.5258 0.5336 0.5413 0.5618 0.5991
0.6363 0.6736 0.7108 0.7480 0.7853
0.8225 0.8620 0.9212 0.9747 1.0000

Transect XS3
Area:
0.0013 0.0052 0.0118 0.0210 0.0328
0.0472 0.0643 0.0829 0.1019 0.1211
0.1404 0.1598 0.1794 0.1991 0.2190
0.2390 0.2591 0.2794 0.2999 0.3204
0.3411 0.3620 0.3830 0.4041 0.4254
0.4468 0.4684 0.4901 0.5119 0.5339
0.5560 0.5783 0.6007 0.6232 0.6459
0.6687 0.6917 0.7148 0.7380 0.7614
0.7849 0.8086 0.8324 0.8562 0.8801
0.9040 0.9279 0.9519 0.9759 1.0000
Hrad:
0.0141 0.0282 0.0423 0.0565 0.0706
0.0847 0.1000 0.1230 0.1495 0.1755
0.2011 0.2263 0.2512 0.2757 0.2999
0.3237 0.3472 0.3703 0.3932 0.4158
0.4381 0.4601 0.4818 0.5033 0.5245
0.5455 0.5662 0.5867 0.6070 0.6271
0.6469 0.6666 0.6860 0.7053 0.7243

0.7432 0.7619 0.7804 0.7988 0.8169
0.8349 0.8528 0.8716 0.8906 0.9093
0.9279 0.9462 0.9643 0.9823 1.0000
Width:
0.1090 0.2179 0.3269 0.4359 0.5449
0.6538 0.7532 0.7868 0.7926 0.7985
0.8043 0.8102 0.8160 0.8219 0.8277
0.8336 0.8394 0.8453 0.8511 0.8570
0.8628 0.8687 0.8745 0.8804 0.8862
0.8921 0.8980 0.9038 0.9097 0.9155
0.9214 0.9272 0.9331 0.9389 0.9448
0.9506 0.9565 0.9623 0.9682 0.9740
0.9799 0.9857 0.9883 0.9900 0.9917
0.9933 0.9950 0.9967 0.9983 1.0000

Transect XS4
Area:
0.0019 0.0075 0.0157 0.0251 0.0354
0.0467 0.0590 0.0723 0.0866 0.1019
0.1181 0.1351 0.1523 0.1698 0.1877
0.2058 0.2243 0.2430 0.2621 0.2814
0.3011 0.3210 0.3413 0.3618 0.3827
0.4039 0.4253 0.4471 0.4692 0.4916
0.5142 0.5372 0.5605 0.5841 0.6080
0.6321 0.6566 0.6814 0.7065 0.7319
0.7576 0.7836 0.8099 0.8365 0.8633
0.8903 0.9175 0.9448 0.9723 1.0000
Hrad:
0.0152 0.0304 0.0540 0.0770 0.0985
0.1187 0.1381 0.1568 0.1749 0.1926
0.2100 0.2350 0.2595 0.2836 0.3072
0.3303 0.3531 0.3754 0.3974 0.4191
0.4404 0.4615 0.4822 0.5027 0.5229
0.5428 0.5625 0.5820 0.6013 0.6204
0.6392 0.6579 0.6764 0.6947 0.7129
0.7309 0.7487 0.7664 0.7840 0.8014
0.8187 0.8359 0.8530 0.8712 0.8929
0.9146 0.9361 0.9575 0.9788 1.0000
Width:
0.1342 0.2683 0.3175 0.3534 0.3893
0.4251 0.4610 0.4969 0.5328 0.5686
0.6044 0.6153 0.6262 0.6371 0.6480
0.6589 0.6697 0.6806 0.6915 0.7024
0.7133 0.7242 0.7351 0.7460 0.7569
0.7677 0.7786 0.7895 0.8004 0.8113
0.8222 0.8331 0.8440 0.8549 0.8658
0.8766 0.8875 0.8984 0.9093 0.9202
0.9311 0.9420 0.9529 0.9626 0.9688
0.9750 0.9813 0.9875 0.9938 1.0000

Transect XS5
Area:
0.0015 0.0061 0.0138 0.0246 0.0384
0.0542 0.0703 0.0866 0.1032 0.1201
0.1372 0.1546 0.1723 0.1902 0.2083
0.2268 0.2454 0.2644 0.2836 0.3030
0.3228 0.3427 0.3630 0.3834 0.4042

0.4252 0.4465 0.4680 0.4898 0.5118
0.5341 0.5567 0.5795 0.6026 0.6259
0.6495 0.6732 0.6972 0.7213 0.7457
0.7702 0.7950 0.8199 0.8451 0.8704
0.8959 0.9216 0.9476 0.9737 1.0000

Hrad:

0.0164 0.0328 0.0492 0.0656 0.0821
0.1103 0.1392 0.1672 0.1942 0.2203
0.2456 0.2702 0.2941 0.3174 0.3401
0.3622 0.3837 0.4048 0.4254 0.4456
0.4653 0.4847 0.5037 0.5224 0.5407
0.5587 0.5764 0.5939 0.6111 0.6280
0.6447 0.6612 0.6774 0.6935 0.7094
0.7296 0.7497 0.7696 0.7895 0.8092
0.8287 0.8482 0.8675 0.8868 0.9059
0.9249 0.9439 0.9627 0.9814 1.0000

Width:

0.1162 0.2325 0.3487 0.4649 0.5811
0.6044 0.6142 0.6240 0.6338 0.6436
0.6534 0.6632 0.6729 0.6827 0.6925
0.7023 0.7121 0.7219 0.7317 0.7415
0.7513 0.7611 0.7709 0.7806 0.7904
0.8002 0.8100 0.8198 0.8296 0.8394
0.8492 0.8590 0.8688 0.8786 0.8883
0.8958 0.9032 0.9107 0.9181 0.9255
0.9330 0.9404 0.9479 0.9553 0.9628
0.9702 0.9777 0.9851 0.9926 1.0000

Transect XS6

Area:

0.0004 0.0016 0.0036 0.0063 0.0099
0.0142 0.0194 0.0253 0.0321 0.0396
0.0479 0.0570 0.0669 0.0776 0.0890
0.1013 0.1144 0.1282 0.1428 0.1583
0.1745 0.1915 0.2093 0.2279 0.2473
0.2675 0.2885 0.3102 0.3328 0.3561
0.3803 0.4052 0.4309 0.4574 0.4847
0.5128 0.5417 0.5714 0.6018 0.6331
0.6652 0.6983 0.7324 0.7676 0.8037
0.8409 0.8792 0.9184 0.9587 1.0000

Hrad:

0.0202 0.0405 0.0607 0.0810 0.1012
0.1215 0.1417 0.1619 0.1822 0.2024
0.2227 0.2429 0.2632 0.2834 0.3037
0.3239 0.3441 0.3644 0.3846 0.4049
0.4251 0.4454 0.4656 0.4858 0.5061
0.5263 0.5466 0.5668 0.5871 0.6073
0.6276 0.6478 0.6680 0.6883 0.7085
0.7288 0.7490 0.7693 0.7895 0.8097
0.8299 0.8497 0.8691 0.8882 0.9070
0.9255 0.9437 0.9617 0.9795 1.0000

Width:

0.0190 0.0380 0.0570 0.0759 0.0949
0.1139 0.1329 0.1519 0.1709 0.1899
0.2088 0.2278 0.2468 0.2658 0.2848
0.3038 0.3228 0.3417 0.3607 0.3797
0.3987 0.4177 0.4367 0.4556 0.4746

0.4936 0.5126 0.5316 0.5506 0.5696
0.5885 0.6075 0.6265 0.6455 0.6645
0.6835 0.7025 0.7214 0.7404 0.7597
0.7816 0.8062 0.8309 0.8555 0.8802
0.9048 0.9294 0.9541 0.9787 1.0000

Transect XS7
Area:
0.0004 0.0016 0.0035 0.0063 0.0098
0.0141 0.0192 0.0251 0.0317 0.0392
0.0474 0.0564 0.0662 0.0768 0.0882
0.1003 0.1132 0.1270 0.1414 0.1567
0.1728 0.1896 0.2073 0.2257 0.2449
0.2649 0.2856 0.3072 0.3295 0.3526
0.3765 0.4012 0.4267 0.4529 0.4800
0.5078 0.5364 0.5658 0.5960 0.6269
0.6588 0.6919 0.7262 0.7616 0.7983
0.8362 0.8754 0.9157 0.9572 1.0000
Hrad:
0.0206 0.0412 0.0617 0.0823 0.1029
0.1235 0.1441 0.1646 0.1852 0.2058
0.2264 0.2470 0.2675 0.2881 0.3087
0.3293 0.3499 0.3704 0.3910 0.4116
0.4322 0.4528 0.4733 0.4939 0.5145
0.5351 0.5557 0.5762 0.5968 0.6174
0.6380 0.6586 0.6791 0.6997 0.7203
0.7409 0.7615 0.7820 0.8026 0.8232
0.8435 0.8631 0.8819 0.9002 0.9178
0.9349 0.9515 0.9677 0.9834 1.0000
Width:
0.0181 0.0362 0.0543 0.0724 0.0905
0.1086 0.1267 0.1448 0.1629 0.1810
0.1991 0.2173 0.2354 0.2535 0.2716
0.2897 0.3078 0.3259 0.3440 0.3621
0.3802 0.3983 0.4164 0.4345 0.4526
0.4707 0.4888 0.5069 0.5250 0.5431
0.5612 0.5793 0.5974 0.6156 0.6337
0.6518 0.6699 0.6880 0.7061 0.7252
0.7498 0.7778 0.8058 0.8338 0.8618
0.8898 0.9178 0.9458 0.9738 1.0000

Transect XS8
Area:
0.0009 0.0035 0.0078 0.0139 0.0216
0.0312 0.0424 0.0554 0.0701 0.0866
0.1047 0.1247 0.1456 0.1668 0.1880
0.2094 0.2309 0.2525 0.2742 0.2961
0.3181 0.3402 0.3624 0.3848 0.4073
0.4299 0.4526 0.4755 0.4985 0.5216
0.5448 0.5682 0.5916 0.6152 0.6389
0.6627 0.6865 0.7103 0.7342 0.7581
0.7821 0.8061 0.8302 0.8543 0.8785
0.9027 0.9269 0.9512 0.9756 1.0000
Hrad:
0.0163 0.0326 0.0490 0.0653 0.0816
0.0979 0.1143 0.1306 0.1469 0.1632
0.1796 0.1959 0.2240 0.2527 0.2807

0.3082 0.3350 0.3613 0.3871 0.4123
0.4370 0.4612 0.4850 0.5083 0.5312
0.5537 0.5758 0.5975 0.6189 0.6399
0.6605 0.6808 0.7008 0.7205 0.7403
0.7597 0.7789 0.7976 0.8161 0.8342
0.8521 0.8696 0.8868 0.9038 0.9205
0.9369 0.9530 0.9689 0.9846 1.0000

Width:

0.0709 0.1418 0.2127 0.2835 0.3544
0.4253 0.4962 0.5671 0.6380 0.7089
0.7797 0.8506 0.8622 0.8673 0.8723
0.8774 0.8825 0.8876 0.8926 0.8977
0.9028 0.9079 0.9129 0.9180 0.9231
0.9282 0.9332 0.9383 0.9434 0.9485
0.9535 0.9586 0.9637 0.9688 0.9711
0.9730 0.9749 0.9768 0.9788 0.9807
0.9826 0.9846 0.9865 0.9884 0.9904
0.9923 0.9942 0.9961 0.9981 1.0000

Transect XS9

Area:

0.0006 0.0026 0.0058 0.0103 0.0161
0.0232 0.0316 0.0412 0.0522 0.0644
0.0779 0.0926 0.1079 0.1239 0.1404
0.1575 0.1753 0.1936 0.2125 0.2321
0.2522 0.2728 0.2938 0.3152 0.3371
0.3593 0.3819 0.4050 0.4284 0.4523
0.4765 0.5012 0.5262 0.5517 0.5775
0.6038 0.6305 0.6576 0.6850 0.7129
0.7408 0.7690 0.7973 0.8258 0.8544
0.8832 0.9122 0.9413 0.9706 1.0000

Hrad:

0.0150 0.0301 0.0451 0.0602 0.0752
0.0903 0.1053 0.1204 0.1354 0.1505
0.1655 0.1854 0.2076 0.2293 0.2505
0.2712 0.2916 0.3115 0.3312 0.3505
0.3699 0.3920 0.4139 0.4355 0.4568
0.4778 0.4986 0.5191 0.5395 0.5596
0.5796 0.5993 0.6189 0.6383 0.6575
0.6766 0.6955 0.7143 0.7330 0.7560
0.7809 0.8058 0.8305 0.8551 0.8795
0.9038 0.9281 0.9522 0.9761 1.0000

Width:

0.0436 0.0873 0.1309 0.1746 0.2182
0.2619 0.3055 0.3491 0.3928 0.4364
0.4801 0.5093 0.5296 0.5499 0.5703
0.5906 0.6110 0.6313 0.6516 0.6720
0.6918 0.7055 0.7191 0.7328 0.7465
0.7601 0.7738 0.7875 0.8011 0.8148
0.8285 0.8421 0.8558 0.8695 0.8831
0.8968 0.9105 0.9241 0.9378 0.9459
0.9513 0.9567 0.9621 0.9675 0.9730
0.9784 0.9838 0.9892 0.9946 1.0000

****

NOTE: The summary statistics displayed in this report are

based on results found at every computational time step,
not just on results from each reporting time step.
****

****
Analysis Options
****
Flow Units ..... CFS
Process Models:
  Rainfall/Runoff ..... YES
  RDII ..... NO
  Snowmelt ..... NO
  Groundwater ..... NO
  Flow Routing ..... YES
  Ponding Allowed ..... YES
  Water Quality ..... NO
Flow Routing Method ..... DYNWAVE
Surcharge Method ..... EXTRAN
Starting Date 11/01/2021 00:00:00
Ending Date 11/01/2021 12:00:00
Antecedent Dry Days 0.0
Report Time Step 00:03:00
Routing Time Step ..... 5.00 sec
Variable Time Step ..... YES
Maximum Trials 8
Number of Threads 12
Head Tolerance ..... 0.005000 ft

Flow Routing Continuity	Volume acre-feet	Volume 10^6 gal
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	0.000	0.000
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	62.900	20.497
External Outflow	60.922	19.852
Flooding Loss	0.833	0.271
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.001	0.000
Final Stored Volume	1.158	0.378
Continuity Error (%)	-0.019	

****
Highest Continuity Errors
****
Node J163 (4.97%)
Node J107 (1.08%)

****
Time-Step Critical Elements
****
Link C145 (70.02%)

Link C4_1 (12.96%)
Link C9 (7.81%)
Link C103 (5.44%)
Link C3_1 (1.44%)

****
Highest Flow Instability Indexes
****
Link C53 (28)
Link C54 (27)
Link C18 (22)
Link C19 (21)
Link C17 (20)

****
Routing Time Step Summary
****
Minimum Time Step : 0.50 sec
Average Time Step : 0.97 sec
Maximum Time Step : 5.00 sec
Percent in Steady State : 0.00
Average Iterations per Step : 2.32
Percent Not Converging : 0.41
Time Step Frequencies :
5.000 - 3.155 sec : 3.69 %
3.155 - 1.991 sec : 11.58 %
1.991 - 1.256 sec : 6.80 %
1.256 - 0.792 sec : 5.62 %
0.792 - 0.500 sec : 72.31 %

****
Node Depth Summary
****

Node	Type	Average Depth Feet	Maximum Depth Feet	Maximum HGL Feet	Time of Max Occurrence days hr:min	Reported Max Depth Feet
J1	JUNCTION	0.81	2.40	850.79	0 03:30	2.40
J10	JUNCTION	0.89	3.79	882.83	0 03:13	3.69
J100	JUNCTION	0.46	1.33	906.94	0 03:10	1.32
J101	JUNCTION	0.36	3.89	967.17	0 03:10	3.68
J102	JUNCTION	0.35	1.28	999.47	0 03:06	1.28
J103	JUNCTION	0.03	0.10	996.11	0 03:06	0.10
J104	JUNCTION	0.15	0.45	980.54	0 03:06	0.45
J105	JUNCTION	0.10	0.24	979.32	0 03:06	0.24
J106	JUNCTION	0.29	1.43	978.36	0 03:10	1.40
J107	JUNCTION	0.04	0.40	991.18	0 03:08	0.40
J108	JUNCTION	0.10	0.83	1008.83	0 03:09	0.83
J109	JUNCTION	0.00	0.00	978.18	0 00:00	0.00
J11	JUNCTION	0.65	1.66	900.07	0 03:20	1.66
J110	JUNCTION	0.46	2.35	1016.35	0 03:09	2.35
J111	JUNCTION	0.23	1.03	1008.83	0 03:09	1.03

J112	JUNCTION	0.00	0.00	998.36	0	00:00	0.00
J113	JUNCTION	0.00	0.06	1037.30	0	03:06	0.06
J114	JUNCTION	0.00	0.00	891.30	0	00:00	0.00
J115	JUNCTION	0.00	0.00	892.11	0	00:00	0.00
J116	JUNCTION	0.00	0.00	894.30	0	00:00	0.00
J117	JUNCTION	1.20	4.01	886.09	0	03:09	4.00
J118	JUNCTION	0.40	1.17	891.96	0	03:06	1.16
J119	JUNCTION	0.61	1.70	892.33	0	03:06	1.70
J12	JUNCTION	0.47	1.37	897.32	0	03:09	1.37
J120	JUNCTION	0.23	0.87	892.34	0	03:06	0.87
J121	JUNCTION	0.01	0.21	892.34	0	03:06	0.21
J122	JUNCTION	0.16	0.61	894.52	0	03:06	0.61
J123	JUNCTION	0.00	0.00	893.13	0	00:00	0.00
J124	JUNCTION	0.00	0.00	893.48	0	00:00	0.00
J125	JUNCTION	0.24	0.95	882.60	0	03:03	0.95
J126	JUNCTION	0.41	5.46	883.08	0	03:03	2.12
J127	JUNCTION	0.00	0.00	884.30	0	00:00	0.00
J128	JUNCTION	0.00	0.00	882.80	0	03:03	0.00
J129	JUNCTION	0.24	1.25	878.30	0	03:11	0.95
J13	JUNCTION	0.70	2.34	862.70	0	03:13	2.33
J130	JUNCTION	0.36	4.72	867.59	0	03:02	2.93
J131	JUNCTION	0.25	1.15	862.81	0	03:03	1.15
J132	JUNCTION	0.26	0.98	992.88	0	03:09	0.98
J133	JUNCTION	0.38	1.42	985.21	0	03:09	1.42
J134	JUNCTION	0.46	2.32	1045.11	0	03:06	2.32
J135	JUNCTION	0.78	5.27	982.36	0	03:09	5.26
J136	JUNCTION	0.39	1.61	975.07	0	03:27	1.56
J137	JUNCTION	0.51	3.10	973.81	0	03:09	3.09
J138	JUNCTION	0.58	3.58	974.96	0	03:09	3.57
J139	JUNCTION	0.27	1.00	960.50	0	03:13	1.00
J14	JUNCTION	1.16	5.18	864.01	0	03:13	5.15
J140	JUNCTION	0.26	0.97	932.12	0	03:13	0.97
J141	JUNCTION	0.31	1.83	931.32	0	03:13	1.81
J142	JUNCTION	0.00	0.10	1047.06	0	03:09	0.10
J143	JUNCTION	0.40	2.13	1036.10	0	03:09	2.13
J144	JUNCTION	0.00	0.40	967.17	0	03:11	0.19
J145	JUNCTION	0.00	0.00	967.65	0	00:00	0.00
J146	JUNCTION	0.00	0.00	967.65	0	00:00	0.00
J147	JUNCTION	0.09	0.81	1047.06	0	03:09	0.81
J148	JUNCTION	0.78	1.47	930.55	0	03:06	1.46
J149	JUNCTION	0.00	0.00	1073.88	0	00:00	0.00
J15	JUNCTION	0.60	2.41	860.85	0	03:12	2.33
J150	JUNCTION	0.26	1.06	1047.06	0	03:09	1.06
J151	JUNCTION	0.23	1.01	997.51	0	03:09	1.01
J154	JUNCTION	0.61	2.55	979.36	0	03:09	2.53
J155	JUNCTION	0.47	2.60	979.76	0	03:09	2.58
J156	JUNCTION	0.25	0.91	979.55	0	03:09	0.91
J157	JUNCTION	0.22	1.37	982.14	0	03:09	1.35
J158	JUNCTION	1.61	2.79	983.59	0	03:09	2.79
J159	JUNCTION	0.27	1.40	1003.56	0	03:09	1.39
J16	JUNCTION	1.31	5.17	862.10	0	03:12	5.13
J160	JUNCTION	0.00	0.00	1029.71	0	00:00	0.00
J161	JUNCTION	0.00	0.00	1014.00	0	00:00	0.00
J162	JUNCTION	1.07	3.64	1007.62	0	03:09	3.64
J163	JUNCTION	0.36	1.30	1010.27	0	03:09	1.30
J164	JUNCTION	0.23	1.16	1010.27	0	03:09	1.16
J165	JUNCTION	0.00	0.00	1011.41	0	00:00	0.00

J166	JUNCTION	0.23	1.18	977.18	0	03:10	1.16
J167	JUNCTION	0.14	0.63	966.55	0	03:09	0.63
J168	JUNCTION	0.00	0.00	912.61	0	00:00	0.00
J169	JUNCTION	0.00	0.00	912.00	0	00:00	0.00
J17	JUNCTION	0.55	2.43	857.01	0	03:12	2.43
J170	JUNCTION	0.00	0.00	908.86	0	00:00	0.00
J171	JUNCTION	0.00	0.00	905.27	0	00:00	0.00
J172	JUNCTION	0.28	1.07	902.97	0	03:09	1.07
J173	JUNCTION	0.00	0.00	910.94	0	00:00	0.00
J174	JUNCTION	0.00	0.00	909.90	0	00:00	0.00
J175	JUNCTION	0.00	0.00	908.08	0	00:00	0.00
J176	JUNCTION	0.00	0.00	901.94	0	00:00	0.00
J177	JUNCTION	0.00	0.00	900.54	0	00:00	0.00
J178	JUNCTION	0.00	0.00	903.72	0	00:00	0.00
J179	JUNCTION	0.00	0.00	898.29	0	00:00	0.00
J18	JUNCTION	0.93	4.56	858.11	0	03:12	4.55
J180	JUNCTION	0.48	1.91	897.23	0	03:09	1.91
J181	JUNCTION	0.04	0.65	890.65	0	03:06	0.64
J182	JUNCTION	0.45	1.81	890.24	0	03:06	1.80
J183	JUNCTION	0.00	0.00	884.34	0	00:00	0.00
J184	JUNCTION	0.00	0.00	861.91	0	00:00	0.00
J185	JUNCTION	0.00	0.00	927.55	0	00:00	0.00
J186	JUNCTION	0.00	0.00	926.20	0	00:00	0.00
J187	JUNCTION	0.36	2.14	1013.93	0	03:09	2.13
J19	JUNCTION	0.78	2.38	850.79	0	03:31	2.38
J2	JUNCTION	1.26	4.20	865.41	0	03:13	4.19
J20	JUNCTION	0.98	2.31	847.63	0	03:31	2.30
J21	JUNCTION	0.97	2.93	866.52	0	03:13	2.92
J22	JUNCTION	1.29	5.86	869.84	0	03:12	5.84
J23	JUNCTION	1.49	6.00	869.86	0	03:12	5.99
J24	JUNCTION	1.38	5.00	869.83	0	03:13	4.98
J25	JUNCTION	1.14	3.64	869.48	0	03:13	3.63
J26	JUNCTION	0.68	2.52	870.48	0	03:12	2.52
J27	JUNCTION	1.03	2.66	874.20	0	03:12	2.66
J28	JUNCTION	0.65	4.18	947.39	0	03:06	4.18
J29	JUNCTION	0.32	1.18	927.87	0	03:13	1.17
J3	JUNCTION	0.68	2.22	855.37	0	03:09	2.16
J30	JUNCTION	0.68	2.17	924.19	0	03:09	2.17
J31	JUNCTION	0.86	4.20	923.82	0	03:09	4.19
J32	JUNCTION	0.69	3.92	923.19	0	03:14	3.92
J33	JUNCTION	0.33	1.35	919.09	0	03:14	1.35
J34	JUNCTION	0.34	1.40	900.62	0	03:14	1.40
J35	JUNCTION	0.37	1.86	910.41	0	03:15	1.86
J36	JUNCTION	0.74	2.47	900.18	0	03:14	2.47
J37	JUNCTION	0.36	1.25	898.17	0	03:14	1.25
J38	JUNCTION	0.87	3.63	890.76	0	03:14	3.63
J39	JUNCTION	0.71	1.93	887.60	0	03:14	1.93
J4	JUNCTION	1.29	4.86	859.27	0	03:13	4.78
J40	JUNCTION	0.36	1.68	905.24	0	03:09	1.68
J41	JUNCTION	4.56	6.49	900.94	0	03:09	6.49
J42	JUNCTION	0.51	1.49	899.76	0	03:09	1.49
J43	JUNCTION	0.42	2.12	897.26	0	03:06	2.10
J44	JUNCTION	0.33	1.26	890.65	0	03:06	1.25
J45	JUNCTION	0.80	2.34	889.69	0	03:07	2.33
J46	JUNCTION	0.74	3.71	1032.94	0	03:09	3.71
J47	JUNCTION	0.42	3.51	1032.54	0	03:09	3.51
J48	JUNCTION	0.64	3.64	1031.87	0	03:09	3.63

J49	JUNCTION	0.32	1.23	1028.41	0	03:09	1.23
J5	JUNCTION	0.48	1.73	855.58	0	03:13	1.70
J50	JUNCTION	0.44	2.23	1013.92	0	03:09	2.23
J51	JUNCTION	0.38	1.51	1006.83	0	03:09	1.51
J52	JUNCTION	0.72	6.01	1002.70	0	03:12	6.00
J53	JUNCTION	0.00	0.00	1072.41	0	00:00	0.00
J54	JUNCTION	0.22	1.33	1072.05	0	03:06	1.32
J55	JUNCTION	0.19	0.76	1066.36	0	03:06	0.76
J56	JUNCTION	0.23	1.69	1052.29	0	03:06	1.69
J57	JUNCTION	0.21	0.87	1015.76	0	03:06	0.87
J58	JUNCTION	0.14	0.64	1046.39	0	03:06	0.64
J59	JUNCTION	0.22	0.91	1035.43	0	03:06	0.90
J6	JUNCTION	0.62	1.70	868.09	0	03:13	1.68
J60	JUNCTION	0.34	3.51	1025.01	0	03:06	3.36
J61	JUNCTION	0.57	4.12	1006.72	0	03:06	4.08
J62	JUNCTION	0.27	1.54	1003.32	0	03:07	1.44
J63	JUNCTION	0.38	1.38	997.23	0	03:07	1.36
J64	JUNCTION	0.83	4.62	991.42	0	03:07	4.56
J65	JUNCTION	0.67	2.17	988.71	0	03:07	2.16
J66	JUNCTION	0.89	4.61	983.47	0	03:08	4.61
J67	JUNCTION	0.56	2.50	984.86	0	03:08	2.49
J68	JUNCTION	0.78	6.55	983.52	0	02:59	6.00
J69	JUNCTION	0.57	5.98	982.35	0	02:59	5.71
J7	JUNCTION	3.46	11.00	886.38	0	03:07	10.48
J70	JUNCTION	0.89	7.36	980.77	0	03:11	7.36
J71	JUNCTION	0.11	0.52	970.18	0	03:08	0.52
J72	JUNCTION	0.00	0.00	1055.62	0	00:00	0.00
J74	JUNCTION	0.00	0.00	1052.29	0	00:00	0.00
J75	JUNCTION	0.00	0.00	1053.01	0	00:00	0.00
J76	JUNCTION	0.00	0.00	1053.68	0	00:00	0.00
J77	JUNCTION	1.48	5.86	1034.32	0	03:09	5.86
J78	JUNCTION	1.22	7.39	1028.83	0	03:09	7.39
J79	JUNCTION	1.52	6.48	1032.63	0	03:09	6.48
J8	JUNCTION	0.71	2.63	877.71	0	03:13	2.20
J80	JUNCTION	0.77	2.37	1016.92	0	03:09	2.37
J81	JUNCTION	0.48	4.70	1019.70	0	03:09	4.69
J82	JUNCTION	0.66	5.54	1019.54	0	03:10	5.54
J83	JUNCTION	0.22	1.29	1021.09	0	03:09	1.29
J84	JUNCTION	0.20	4.75	1022.80	0	03:17	1.69
J85	JUNCTION	0.57	2.33	990.58	0	03:09	2.32
J86	JUNCTION	0.38	2.73	989.89	0	03:10	1.40
J87	JUNCTION	0.70	3.86	990.26	0	03:09	3.35
J88	JUNCTION	0.32	1.03	986.68	0	03:09	0.98
J89	JUNCTION	0.49	2.27	983.79	0	03:09	2.15
J9	JUNCTION	3.19	11.00	886.66	0	03:09	9.33
J90	JUNCTION	0.72	4.81	985.06	0	03:10	4.61
J91	JUNCTION	1.08	2.25	1050.91	0	03:09	2.25
J92	JUNCTION	0.65	3.05	979.00	0	03:10	3.01
J95	JUNCTION	0.99	4.52	977.91	0	03:10	4.49
J96	JUNCTION	0.64	2.99	975.39	0	03:10	2.95
J97	JUNCTION	0.61	3.40	968.10	0	03:07	3.33
J98	JUNCTION	0.52	4.06	966.59	0	03:11	3.90
J99	JUNCTION	0.30	1.28	963.26	0	03:11	1.27
OF1	OUTFALL	0.98	2.31	845.34	0	03:31	2.30
J73	STORAGE	0.41	2.27	1050.85	0	03:09	2.27
SU1	STORAGE	0.70	1.85	949.95	0	03:21	1.85
SU2	STORAGE	0.01	0.18	890.64	0	03:08	0.18

****
Node Inflow Summary
****

Node	Type	Maximum Lateral Inflow CFS	Maximum Total Inflow CFS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10^6 gal	Total Inflow Volume 10^6 gal	Flow Balance Error Percent
J1	JUNCTION	68.50	709.20	0 03:12	1.38	20	0.482
J10	JUNCTION	0.00	595.72	0 03:07	0	11.2	0.061
J100	JUNCTION	0.00	130.28	0 03:09	0	2.69	0.071
J101	JUNCTION	22.07	312.26	0 03:07	0.448	5.05	0.004
J102	JUNCTION	7.98	7.98	0 03:06	0.15	0.15	-0.271
J103	JUNCTION	0.00	2.59	0 03:06	0	0.112	0.000
J104	JUNCTION	0.00	2.59	0 03:06	0	0.112	-0.000
J105	JUNCTION	0.00	2.59	0 03:06	0	0.112	-0.003
J106	JUNCTION	0.00	205.75	0 03:10	0	4.15	0.000
J107	JUNCTION	0.00	5.38	0 03:06	0	0.0381	1.090
J108	JUNCTION	0.00	0.05	0 02:56	0	0.00014	0.019
J109	JUNCTION	0.00	0.00	0 00:00	0	0	0.000 gal
J11	JUNCTION	19.70	201.13	0 03:20	0.386	6.23	0.016
J110	JUNCTION	0.00	131.35	0 03:09	0	3.19	-0.000
J111	JUNCTION	0.00	131.37	0 03:09	0	3.19	0.000
J112	JUNCTION	0.00	0.00	0 00:00	0	0	0.000 gal
J113	JUNCTION	0.00	0.44	0 03:06	0	0.00146	0.003
J114	JUNCTION	0.00	0.00	0 00:00	0	0	0.000 gal
J115	JUNCTION	0.00	0.00	0 00:00	0	0	0.000 gal
J116	JUNCTION	0.00	0.00	0 00:00	0	0	0.000 gal
J117	JUNCTION	58.66	126.80	0 03:09	1.25	2.72	0.021

```
  J118                JUNCTION      0.00    14.01     0  03:06           0
0.296      -0.114
  J119                JUNCTION      0.00    14.01     0  03:06           0
0.296      -0.005
  J12                 JUNCTION     66.62   194.06     0  03:09        1.32
4.01       -0.040
  J120                JUNCTION      0.00    14.02     0  03:06           0
0.296       0.001
  J121                JUNCTION      0.00     0.02     0  02:58           0
2.54e-05       0.124
  J122                JUNCTION     14.02    14.02     0  03:06       0.296
0.296      -0.001
  J123                JUNCTION      0.00     0.00     0  00:00           0
0       0.000 gal
  J124                JUNCTION      0.00     0.00     0  00:00           0
0       0.000 gal
  J125                JUNCTION     28.93    28.93     0  03:06       0.612
0.612       0.008
  J126                JUNCTION      0.00    29.08     0  03:03           0
0.612      -0.081
  J127                JUNCTION      0.00     0.00     0  00:00           0
0       0.000 gal
  J128                JUNCTION      0.00     0.00     0  03:03           0
1.1e-08       0.003 gal
  J129                JUNCTION      0.00    91.70     0  03:11           0
0.612      -0.081
  J13                 JUNCTION      0.00   305.16     0  03:13           0
7.75        0.000
  J130                JUNCTION      0.00    47.83     0  03:11           0
0.613      -0.219
  J131                JUNCTION      0.00    39.83     0  03:03           0
0.614      -0.001
  J132                JUNCTION     25.77    93.08     0  03:09       0.527
2.06       -0.000
  J133                JUNCTION     21.31   114.34     0  03:09       0.434
2.5        -0.000
  J134                JUNCTION      0.00    61.60     0  03:06           0
1.21       -0.002
  J135                JUNCTION      0.00   114.31     0  03:09           0
2.5        -0.002
  J136                JUNCTION      0.00   114.32     0  03:09           0
2.5         0.000
  J137                JUNCTION      0.00   114.31     0  03:09           0
2.5         0.000
  J138                JUNCTION      0.00   114.31     0  03:09           0
2.5        -0.000
  J139                JUNCTION      0.00   114.37     0  03:09           0
2.5         0.043
  J14                 JUNCTION      0.00   305.16     0  03:13           0
7.75        0.000
  J140                JUNCTION      0.00    60.39     0  03:13           0
1.51        0.002
  J141                JUNCTION      0.00    60.39     0  03:13           0
1.51       -0.007
  J142                JUNCTION      0.00     0.01     0  03:04           0
9.53e-06       0.109
  J143                JUNCTION      0.00   108.97     0  03:09           0
2.22        0.000
  J144                JUNCTION      0.00     0.26     0  03:10           0
6.16e-05       0.423
```

J145	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J146	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J147	JUNCTION	0.00	0.01	0	03:02	0	7.8e-05
0.032							
J148	JUNCTION	0.00	55.78	0	03:06	0	0.325
-0.114							
J149	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J15	JUNCTION	0.00	340.85	0	03:12	0	8.36
0.000							
J150	JUNCTION	22.27	109.00	0	03:09	0.442	2.22
-0.000							
J151	JUNCTION	0.00	131.36	0	03:09	0	3.19
0.000							
J154	JUNCTION	0.00	39.09	0	03:09	0	0.828
-0.001							
J155	JUNCTION	0.00	39.09	0	03:09	0	0.828
0.000							
J156	JUNCTION	0.00	39.09	0	03:09	0	0.828
0.000							
J157	JUNCTION	0.00	39.09	0	03:09	0	0.828
-0.000							
J158	JUNCTION	0.00	39.10	0	03:09	0	0.828
0.013							
J159	JUNCTION	0.00	39.19	0	03:09	0	0.828
0.000							
J16	JUNCTION	0.00	339.92	0	03:12	0	8.36
0.000							
J160	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J161	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J162	JUNCTION	0.00	39.24	0	03:09	0	0.828
0.000							
J163	JUNCTION	0.00	0.04	0	03:00	0	0.000279
5.228							
J164	JUNCTION	39.30	39.30	0	03:09	0.828	0.829
-0.000							
J165	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J166	JUNCTION	0.00	39.10	0	03:09	0	0.828
0.001							
J167	JUNCTION	0.00	130.46	0	03:09	0	2.69
-0.009							
J168	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J169	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J17	JUNCTION	14.96	347.79	0	03:12	0.288	8.65
-0.000							
J170	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J171	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J172	JUNCTION	0.00	37.29	0	03:09	0	0.774
0.001							
J173	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							

J174	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J175	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J176	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J177	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J178	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J179	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J18	JUNCTION	0.00	346.86	0	03:12	0	8.65
-0.007							
J180	JUNCTION	0.00	37.25	0	03:09	0	0.774
0.010							
J181	JUNCTION	0.00	0.16	0	03:10	0	0.000587
0.012							
J182	JUNCTION	0.00	55.11	0	03:06	0	1.17
-0.000							
J183	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J184	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J185	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J186	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J187	JUNCTION	0.00	0.01	0	02:58	0	0.000108
1.894							
J19	JUNCTION	0.00	516.70	0	03:22	0	19.9
0.363							
J2	JUNCTION	0.00	305.22	0	03:13	0	7.75
0.001							
J20	JUNCTION	0.00	464.63	0	03:31	0	19.9
0.002							
J21	JUNCTION	0.00	305.23	0	03:12	0	7.75
-0.020							
J22	JUNCTION	0.00	305.27	0	03:12	0	7.75
0.019							
J23	JUNCTION	0.00	305.48	0	03:12	0	7.75
0.001							
J24	JUNCTION	0.00	305.36	0	03:12	0	7.75
0.000							
J25	JUNCTION	0.00	305.39	0	03:12	0	7.75
0.000							
J26	JUNCTION	0.00	305.40	0	03:12	0	7.75
0.000							
J27	JUNCTION	0.00	305.39	0	03:12	0	7.75
0.007							
J28	JUNCTION	108.23	108.23	0	03:06	2.24	2.24
0.026							
J29	JUNCTION	0.00	112.45	0	03:13	0	3.43
0.000							
J3	JUNCTION	0.00	317.37	0	03:13	0	9.99
-0.000							
J30	JUNCTION	0.00	158.15	0	03:09	0	3.75
-0.013							
J31	JUNCTION	0.00	158.10	0	03:09	0	3.75
0.022							

J32		JUNCTION	0.00	204.73	0	03:09	0
4.74	0.355						
J33		JUNCTION	0.00	180.52	0	03:14	0
4.72	-0.000						
J34		JUNCTION	5.93	183.09	0	03:14	0.127
4.85	-0.000						
J35		JUNCTION	0.00	180.52	0	03:14	0
4.72	0.000						
J36		JUNCTION	0.00	183.09	0	03:14	0
4.85	0.000						
J37		JUNCTION	0.00	183.09	0	03:14	0
4.85	0.000						
J38		JUNCTION	8.91	187.33	0	03:14	0.179
5.03	-0.000						
J39		JUNCTION	0.00	187.30	0	03:14	0
5.03	0.000						
J4		JUNCTION	0.00	377.80	0	03:13	0
9.99	-0.006						
J40		JUNCTION	37.34	37.34	0	03:09	0.774
0.774	-0.001						
J41		JUNCTION	0.00	37.29	0	03:09	0
0.774	0.051						
J42		JUNCTION	0.00	37.26	0	03:09	0
0.774	0.005						
J43		JUNCTION	19.48	55.27	0	03:06	0.399
1.17	0.003						
J44		JUNCTION	0.00	55.23	0	03:06	0
1.17	0.000						
J45		JUNCTION	0.00	55.11	0	03:06	0
1.17	-0.046						
J46		JUNCTION	56.15	56.15	0	03:09	1.18
1.18	-0.001						
J47		JUNCTION	0.00	56.15	0	03:09	0
1.18	-0.001						
J48		JUNCTION	0.00	56.15	0	03:09	0
1.18	-0.000						
J49		JUNCTION	0.00	56.16	0	03:09	0
1.18	-0.000						
J5		JUNCTION	0.00	317.40	0	03:13	0
9.99	-0.000						
J50		JUNCTION	17.52	73.57	0	03:09	0.357
1.54	0.000						
J51		JUNCTION	0.00	73.25	0	03:09	0
1.54	0.002						
J52		JUNCTION	0.00	73.24	0	03:09	0
1.54	-0.016						
J53		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J54		JUNCTION	39.64	39.64	0	03:06	0.786
0.786	-0.001						
J55		JUNCTION	22.34	61.80	0	03:06	0.424
1.21	0.001						
J56		JUNCTION	0.00	61.78	0	03:06	0
1.21	-0.000						
J57		JUNCTION	0.00	80.67	0	03:06	0
1.6	0.002						
J58		JUNCTION	0.00	61.66	0	03:06	0
1.21	0.001						
J59		JUNCTION	0.00	61.52	0	03:06	0
1.21	-0.008						

J6		JUNCTION	0.00	466.68	0	03:13	0
10	0.099						
J60		JUNCTION	20.28	81.32	0	03:06	0.393
1.6	-0.001						
J61		JUNCTION	0.00	80.67	0	03:06	0
1.6	-0.001						
J62		JUNCTION	0.00	81.75	0	03:07	0
1.6	-0.001						
J63		JUNCTION	0.00	81.52	0	03:07	0
1.6	-0.006						
J64		JUNCTION	12.99	94.29	0	03:07	0.258
1.86	0.061						
J65		JUNCTION	0.00	92.44	0	03:07	0
1.86	-0.038						
J66		JUNCTION	0.00	92.27	0	03:08	0
1.86	-0.114						
J67		JUNCTION	0.00	92.42	0	03:07	0
1.86	0.001						
J68		JUNCTION	0.00	99.97	0	02:59	0
1.74	0.079						
J69		JUNCTION	0.00	99.83	0	02:59	0
1.74	-0.004						
J7		JUNCTION	0.00	734.32	0	03:13	0
10.3	-0.478						
J70		JUNCTION	0.00	89.53	0	02:59	0
1.74	-0.008						
J71		JUNCTION	0.00	92.16	0	03:08	0
1.86	-0.003						
J72		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J74		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J75		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J76		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J77		JUNCTION	6.88	115.61	0	03:09	0.138
2.35	0.003						
J78		JUNCTION	0.00	68.46	0	02:55	0
2.33	0.012						
J79		JUNCTION	29.35	59.90	0	03:06	0.583
2.33	-0.023						
J8		JUNCTION	0.00	529.04	0	03:13	0
10	0.363						
J80		JUNCTION	0.00	59.37	0	03:09	0
2.33	-0.001						
J81		JUNCTION	0.00	98.79	0	03:09	0
0.933	-0.003						
J82		JUNCTION	0.00	98.79	0	03:09	0
0.933	-0.001						
J83		JUNCTION	16.28	16.28	0	03:09	0.327
0.327	0.022						
J84		JUNCTION	0.00	16.28	0	03:09	0
0.327	0.011						
J85		JUNCTION	40.05	194.40	0	03:09	0.776
4.04	-0.000						
J86		JUNCTION	0.00	153.79	0	03:09	0
3.7	0.000						
J87		JUNCTION	0.00	221.09	0	03:09	0
4.04	0.000						

J88	JUNCTION	0.00	208.86	0	03:09	0	4.04	0.000
J89	JUNCTION	0.00	208.75	0	03:09	0	4.04	-0.000
J9	JUNCTION	0.00	1055.16	0	03:12	0	11.3	-0.178
J90	JUNCTION	0.00	206.85	0	03:09	0	4.04	0.000
J91	JUNCTION	0.00	0.53	0	03:02	0	0.000699	19.655
J92	JUNCTION	22.45	224.12	0	03:10	0.448	4.6	-0.000
J95	JUNCTION	0.00	224.10	0	03:10	0	4.6	0.000
J96	JUNCTION	0.00	224.19	0	03:10	0	4.6	-0.000
J97	JUNCTION	0.00	224.26	0	03:10	0	4.6	-0.004
J98	JUNCTION	12.74	267.97	0	03:07	0.247	5.33	-0.000
J99	JUNCTION	0.00	258.47	0	03:11	0	5.33	-0.087
OF1	OUTFALL	0.00	464.63	0	03:31	0	19.9	0.000
J73	STORAGE	87.81	87.83	0	03:09	1.77	1.77	0.002
SU1	STORAGE	36.29	289.50	0	03:11	0.718	6.06	0.215
SU2	STORAGE	0.00	0.13	0	03:06	0	0.000265	0.054

****
Node Surcharge Summary
****

Surcharging occurs when water rises above the top of the highest conduit.

Node	Type	Hours Surcharged	Max. Height Above Crown Feet	Min. Depth Below Rim Feet
J126	JUNCTION	0.01	3.361	1.309
J130	JUNCTION	0.01	2.650	0.000
J135	JUNCTION	0.24	1.766	6.744
J138	JUNCTION	0.18	0.576	10.044
J187	JUNCTION	0.53	1.136	0.864
J46	JUNCTION	0.11	0.713	1.867
J47	JUNCTION	0.10	0.511	1.329
J48	JUNCTION	0.13	0.636	0.414
J68	JUNCTION	0.34	4.032	0.269
J69	JUNCTION	0.35	3.763	0.000
J7	JUNCTION	0.06	0.000	0.000
J70	JUNCTION	0.42	4.987	0.000
J78	JUNCTION	0.65	4.741	0.000
J79	JUNCTION	0.97	3.877	0.000
J84	JUNCTION	0.01	3.030	0.000
J9	JUNCTION	0.01	0.000	0.000

****
Node Flooding Summary
****

Flooding refers to all water that overflows a node, whether it ponds or not.

Node	Hours Flooded	Maximum Rate CFS	Time of Max Occurrence days	hr:min	Total Flood Volume 10^6 gal	Maximum Ponded Depth Feet
J130	0.01	12.17	0	03:11	0.000	0.000
J69	0.01	29.07	0	02:59	0.000	0.132
J7	0.06	226.01	0	03:14	0.237	0.000
J70	0.41	38.74	0	02:59	0.012	4.236
J78	0.65	18.16	0	02:55	0.006	3.141
J79	0.78	6.07	0	03:34	0.006	2.927
J84	0.01	3.44	0	03:17	0.000	0.000
J9	0.01	203.08	0	03:12	0.034	0.000

****
Storage Volume Summary
****

Storage Unit	Average Volume 1000 ft3	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 ft3	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CFS
J73	0.410	7	0	0	2.273	37	0 03:09	87.10
SU1	86.322	8	0	0	231.787	22	0 03:21	190.66
SU2	0.002	0	0	0	0.035	4	0 03:08	0.16

****
Outfall Loading Summary
****

Outfall Node	Flow Freq Pcnt	Avg Flow CFS	Max Flow CFS	Total Volume 10^6 gal
OF1	93.74	119.07	464.63	19.851
System	93.74	119.07	464.63	19.851

****
Link Flow Summary
****

Link	Type	Maximum |Flow| CFS	Time of Max Occurrence days	hr:min	Maximum |Veloc| ft/sec	Max/ Full Flow	Max/ Full Depth
5	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C1	CHANNEL	464.63	0	03:31	12.53	0.06	0.23
C10	CHANNEL	337.09	0	03:12	12.76	0.51	0.60
C100	CONDUIT	14.01	0	03:06	4.81	0.35	0.57
C101	CHANNEL	13.96	0	03:06	1.50	0.01	0.29
C102	CONDUIT	14.01	0	03:06	6.47	0.26	0.45
C103	CONDUIT	14.02	0	03:06	17.76	0.34	0.46
C104	CONDUIT	0.02	0	03:09	0.15	0.00	0.17
C105	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C106	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C107	CHANNEL	187.29	0	03:14	8.37	0.23	0.57
C108	CONDUIT	29.08	0	03:03	19.45	0.45	0.73
C109	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C110	CONDUIT	0.00	0	03:03	0.00	0.00	0.50
C111	CONDUIT	91.70	0	03:11	>50.00	3.66	0.96
C112	CONDUIT	47.83	0	03:11	17.46	0.73	0.81
C113	CONDUIT	39.83	0	03:03	12.92	1.20	1.00
C114	CONDUIT	39.39	0	03:03	15.50	0.63	0.78
C115	CONDUIT	56.09	0	03:09	13.51	0.35	0.58
C116	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C116_2	CONDUIT	83.15	0	03:09	3.69	0.40	0.56
C117	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C118	CONDUIT	68.11	0	03:11	13.72	0.42	0.66
C119	CONDUIT	114.31	0	03:09	15.84	0.34	0.70
C12	CONDUIT	516.70	0	03:22	0.64	0.38	0.96
C120	CONDUIT	114.32	0	03:09	13.29	0.80	0.84
C121	CHANNEL	5.38	0	03:06	4.32	0.10	0.58
C122	CONDUIT	114.37	0	03:09	16.19	0.49	0.50
C122_1	CONDUIT	114.31	0	03:09	12.50	0.61	0.76
C122_2	CONDUIT	114.31	0	03:09	11.75	0.61	1.00
C123	CONDUIT	60.39	0	03:13	16.97	0.34	0.37
C124	CONDUIT	60.39	0	03:13	8.94	0.27	0.45
C125	CONDUIT	60.37	0	03:13	8.75	0.25	0.46
C126	CONDUIT	0.01	0	03:02	0.03	0.00	0.62
C127	CONDUIT	0.01	0	03:04	0.03	0.00	0.55
C127_1	CONDUIT	87.06	0	03:09	12.06	0.53	0.55
C127_2	CONDUIT	108.97	0	03:09	15.85	0.33	0.53
C128	CONDUIT	72.01	0	03:10	32.88	8.00	1.00
C128_1	CONDUIT	0.00	0	00:00	0.00	0.00	0.23
C128_2	CONDUIT	55.39	0	03:06	5.82	0.09	0.23
C128_3	CONDUIT	59.37	0	03:09	7.54	0.92	0.79
C128_4	CONDUIT	131.36	0	03:09	21.50	0.28	0.34
C128_5	CONDUIT	131.36	0	03:09	17.92	0.38	0.56
C128_7	CONDUIT	131.35	0	03:09	13.52	0.28	0.56
C129	CHANNEL	47.41	0	03:03	5.20	0.97	1.00
C13	CONDUIT	346.86	0	03:12	13.21	0.60	0.78
C130	CONDUIT	0.00	0	00:00	0.00	0.00	0.00

C130_1	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C131	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C132	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C132_1	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C133	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C134	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C135	CONDUIT	35.69	0	03:06	4.43	0.45	0.64
C136	CONDUIT	16.57	0	03:06	4.04	0.04	0.15
C137	CONDUIT	0.26	0	03:10	0.79	0.02	0.65
C138	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C139	CONDUIT	39.09	0	03:09	6.05	0.55	0.86
C14	CHANNEL	344.98	0	03:13	14.71	0.44	0.56
C140	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C141	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C142	CONDUIT	28.68	0	03:08	7.33	0.15	0.34
C143	CONDUIT	28.39	0	03:09	2.72	1.27	0.25
C144	CONDUIT	39.09	0	03:09	10.95	0.20	0.59
C145	CONDUIT	3.18	0	02:59	9.04	6.69	1.00
C146	CONDUIT	44.52	0	03:06	18.21	0.61	0.73
C147	CONDUIT	39.09	0	03:09	11.43	0.32	0.46
C148	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C149	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C15	CHANNEL	305.16	0	03:13	10.22	0.29	0.75
C150	CONDUIT	17.57	0	03:12	2.65	0.92	0.33
C151	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C152	CONDUIT	11.13	0	03:01	14.18	1.23	1.00
C153	CONDUIT	39.10	0	03:09	6.69	0.47	0.78
C154	CONDUIT	0.04	0	03:00	0.64	0.00	0.82
C155	CONDUIT	39.24	0	03:09	5.36	0.35	0.73
C156	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C157	CONDUIT	0.00	0	00:00	0.00	0.00	0.42
C158	CONDUIT	39.10	0	03:09	8.49	0.53	0.62
C159	CONDUIT	89.03	0	03:09	3.83	0.04	0.57
C16	CHANNEL	305.16	0	03:13	10.01	0.24	0.51
C160	CONDUIT	39.05	0	03:10	10.80	0.30	0.36
C160_3	CONDUIT	26.61	0	03:10	2.12	0.02	0.33
C161	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C162	CONDUIT	0.00	0	00:00	0.00	0.00	0.33
C163	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C164	CONDUIT	36.35	0	03:09	3.35	2.62	0.53
C165	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C166	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C167	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C168	CONDUIT	59.80	0	03:09	3.00	0.52	0.49
C169	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C169_2	CONDUIT	53.12	0	03:10	7.60	0.01	0.06
C169_3	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C169_4	CONDUIT	0.00	0	00:00	0.00	0.00	0.03
C17	CHANNEL	305.22	0	03:13	8.67	0.32	0.62
C170	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C170_4	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C170_6	CONDUIT	0.00	0	00:00	0.00	0.00	0.36
C171	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C172	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C173	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C174	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C175	CONDUIT	0.00	0	00:00	0.00	0.00	0.00

C176	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C177	CONDUIT	1.38	0	03:31	3.05	0.00	0.02
C178	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C179	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C18	CONDUIT	287.66	0	03:12	9.61	1.09	0.87
C180	CONDUIT	0.00	0	00:00	0.00	0.00	0.27
C181	CONDUIT	37.24	0	03:09	7.76	0.73	0.65
C182	CONDUIT	0.16	0	03:10	1.15	0.12	0.47
C183	CONDUIT	0.18	0	03:10	0.22	0.01	0.65
C184	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C185	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C186	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C187	CONDUIT	0.01	0	02:58	0.11	0.00	1.00
C188	CONDUIT	0.53	0	03:02	0.70	0.05	0.83
C19	CHANNEL	305.27	0	03:12	3.63	0.15	0.71
C2	CHANNEL	310.63	0	03:14	11.73	0.16	0.40
C20	CHANNEL	305.48	0	03:12	6.72	0.08	0.50
C21	CHANNEL	305.36	0	03:12	7.65	0.16	0.54
C22	CHANNEL	305.39	0	03:12	8.70	0.26	0.59
C23	CHANNEL	305.40	0	03:12	12.32	0.20	0.51
C24	CONDUIT	52.40	0	03:06	20.40	0.54	0.76
C25	CONDUIT	112.45	0	03:13	14.20	0.35	0.55
C26	CHANNEL	158.10	0	03:09	4.94	0.35	0.81
C27	CONDUIT	157.79	0	03:09	7.04	0.39	0.97
C28	CONDUIT	180.52	0	03:14	11.23	0.31	0.67
C29	CONDUIT	183.09	0	03:14	15.78	0.30	0.48
C29_1	CONDUIT	180.52	0	03:14	18.77	0.28	0.40
C29_2	CONDUIT	180.48	0	03:15	18.74	0.28	0.40
C3	CHANNEL	377.80	0	03:13	6.25	0.15	0.69
C3_1	CONDUIT	317.40	0	03:13	8.76	0.29	0.66
C3_2	CONDUIT	317.37	0	03:13	15.44	0.22	0.33
C30	CHANNEL	183.09	0	03:14	8.17	0.27	0.46
C31	CHANNEL	183.08	0	03:14	5.47	0.05	0.38
C32	CONDUIT	187.30	0	03:14	6.74	0.16	0.70
C33	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C33_1	CONDUIT	37.29	0	03:09	11.64	0.62	0.62
C33_2	CONDUIT	37.29	0	03:09	8.84	0.27	0.58
C34	CONDUIT	37.26	0	03:09	6.75	1.42	0.73
C35	CONDUIT	37.25	0	03:09	10.02	0.39	0.52
C36	CONDUIT	55.23	0	03:06	13.12	0.41	0.58
C37	CONDUIT	0.00	0	00:00	0.00	0.00	0.06
C37_1	CONDUIT	55.11	0	03:06	15.13	0.37	0.51
C37_2	CONDUIT	55.11	0	03:06	10.56	0.68	0.69
C38	CONDUIT	56.15	0	03:09	9.15	1.01	1.00
C39	CONDUIT	56.15	0	03:09	9.07	0.48	1.00
C4	CONDUIT	734.32	0	03:13	7.74	0.61	1.00
C4_1	CHANNEL	529.04	0	03:13	18.46	0.69	0.63
C4_2	CHANNEL	466.68	0	03:13	15.20	0.15	0.37
C40	CONDUIT	56.16	0	03:09	10.55	0.51	0.70
C41	CONDUIT	73.25	0	03:09	15.86	0.50	0.62
C42	CONDUIT	73.24	0	03:09	12.85	0.51	0.75
C43	CONDUIT	0.00	0	00:00	0.00	0.00	0.41
C44	CONDUIT	39.61	0	03:06	13.89	0.45	0.57
C45	CONDUIT	61.78	0	03:06	19.09	0.32	0.50
C46	CONDUIT	93.06	0	03:09	16.71	0.24	0.36
C46_1	CONDUIT	25.92	0	03:06	4.63	0.42	0.82
C46_2	CHANNEL	0.44	0	03:06	2.55	0.01	0.21

C47	CONDUIT	61.66	0	03:06	13.23	0.44	0.58
C48	CONDUIT	61.50	0	03:06	13.63	0.43	0.70
C49	CONDUIT	81.75	0	03:07	13.70	0.87	0.85
C5	CHANNEL	1055.16	0	03:12	13.17	0.21	0.74
C50	CONDUIT	81.52	0	03:07	18.15	0.63	0.66
C51	CHANNEL	81.37	0	03:07	6.14	0.39	0.82
C52	CONDUIT	92.44	0	03:07	8.57	0.86	0.86
C53	CONDUIT	99.97	0	02:59	15.62	0.55	1.00
C53_1	CHANNEL	92.42	0	03:07	8.43	0.26	0.59
C53_2	CHANNEL	92.27	0	03:08	6.59	0.58	0.94
C54	CONDUIT	99.83	0	02:59	15.64	1.92	1.00
C55	CONDUIT	89.53	0	02:59	13.99	0.97	1.00
C56	CONDUIT	63.47	0	03:08	13.99	1.06	0.62
C57	CONDUIT	0.00	0	00:00	0.00	0.00	0.41
C58	CONDUIT	0.00	0	00:00	0.00	0.00	0.27
C59	CONDUIT	0.00	0	00:00	0.00	0.00	0.19
C6	CHANNEL	201.09	0	03:20	10.80	0.21	0.72
C60	CONDUIT	0.00	0	00:00	0.00	0.00	0.15
C61_1	CONDUIT	46.30	0	03:33	9.43	1.29	1.00
C61_2	CONDUIT	68.46	0	02:55	13.95	0.98	1.00
C63	CONDUIT	59.37	0	03:09	12.17	1.27	0.98
C64	CONDUIT	42.93	0	03:02	19.60	1.76	1.00
C65	CONDUIT	16.28	0	03:09	13.53	0.47	0.69
C66	CONDUIT	16.28	0	03:09	15.23	0.40	1.00
C67	CHANNEL	153.79	0	03:09	8.95	0.62	0.78
C68	CHANNEL	163.66	0	03:09	7.99	0.30	0.89
C69	CHANNEL	208.86	0	03:09	12.18	0.14	0.65
C7	CHANNEL	193.86	0	03:09	7.28	0.09	0.68
C70	CHANNEL	208.75	0	03:09	17.62	0.11	0.48
C71	CHANNEL	206.85	0	03:09	11.67	0.28	0.74
C72_1	CONDUIT	203.18	0	03:10	11.47	0.37	0.74
C73	CONDUIT	2.59	0	03:06	4.73	0.27	0.38
C73_2	CONDUIT	205.70	0	03:10	11.61	0.47	0.74
C75	CHANNEL	224.10	0	03:10	11.79	0.62	0.91
C77	CONDUIT	171.08	0	03:10	7.31	0.24	1.00
C78	CHANNEL	224.26	0	03:10	14.62	0.59	0.83
C79	CONDUIT	258.47	0	03:11	11.00	0.33	0.71
C8	CONDUIT	305.12	0	03:13	8.93	1.30	0.77
C80	CHANNEL	190.66	0	03:21	13.39	0.25	0.47
C80_2	CHANNEL	129.62	0	03:10	7.91	0.09	0.36
C80_3	CONDUIT	92.15	0	03:08	13.72	0.04	0.19
C80_4	CONDUIT	130.28	0	03:09	10.27	0.06	0.33
C81	CONDUIT	257.20	0	03:11	12.95	0.19	0.49
C82	CONDUIT	2.59	0	03:06	5.96	0.59	0.55
C82_1	CONDUIT	290.57	0	03:07	8.81	0.38	1.00
C82_2	CONDUIT	251.11	0	03:07	8.50	0.45	1.00
C83	CONDUIT	2.59	0	03:06	4.39	0.18	0.62
C85	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C85_1	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C86	CONDUIT	55.78	0	03:06	12.65	0.20	0.42
C87	CONDUIT	0.05	0	02:56	0.12	0.01	0.74
C88	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C89	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C9	CHANNEL	339.92	0	03:12	12.99	0.18	0.60
C90	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C91	CONDUIT	108.84	0	03:09	8.34	0.47	0.78
C92	CHANNEL	4.51	0	03:08	3.15	0.10	0.58

C93	CONDUIT	0.44	0	03:06	0.23	0.00	0.32
C94	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C95	CONDUIT	80.67	0	03:06	15.83	0.49	0.70
C96	CONDUIT	80.67	0	03:06	15.83	0.40	0.70
C97	CHANNEL	0.00	0	00:00	0.00	0.00	0.22
C97_1	CHANNEL	55.03	0	03:07	1.99	0.07	0.35
C97_2	CHANNEL	125.52	0	03:10	4.12	0.16	0.37
C98	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C99	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C11	WEIR	463.25	0	03:31			0.79
C84	WEIR	2.59	0	03:06			0.07

****
Flow Classification Summary
****

Conduit	Adjusted /Actual Length	Fraction of Time in Flow Class: Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
5	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1	1.00	0.05	0.00	0.00	0.02	0.93	0.00	0.00	0.02	0.00
C10	1.00	0.02	0.00	0.00	0.16	0.82	0.00	0.00	0.00	0.00
C100	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
C101	1.00	0.01	0.00	0.00	0.98	0.01	0.00	0.00	0.93	0.00
C102	1.00	0.01	0.00	0.00	0.00	0.74	0.00	0.25	0.44	0.00
C103	1.00	0.01	0.00	0.00	0.00	0.20	0.00	0.80	0.10	0.00
C104	1.00	0.86	0.06	0.00	0.08	0.00	0.00	0.00	0.73	0.00
C105	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C106	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C107	1.00	0.01	0.00	0.00	0.82	0.17	0.00	0.00	0.94	0.00
C108	1.00	0.01	0.00	0.00	0.00	0.68	0.00	0.31	0.37	0.00
C109	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C110	1.00	0.35	0.65	0.00	0.00	0.00	0.00	0.00	0.75	0.00
C111	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
C112	1.00	0.01	0.00	0.00	0.00	0.68	0.00	0.31	0.36	0.00

C113	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
C114	1.00	0.01	0.18	0.00	0.14	0.67	0.00	0.00	0.91
0.00									
C115	1.00	0.04	0.00	0.00	0.19	0.78	0.00	0.00	0.88
0.00									
C116	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C116_2	1.00	0.89	0.00	0.00	0.00	0.00	0.00	0.11	0.00
0.00									
C117	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C118	1.00	0.04	0.00	0.00	0.17	0.79	0.00	0.00	0.00
0.00									
C119	1.00	0.04	0.17	0.00	0.01	0.78	0.00	0.00	0.90
0.00									
C12	1.00	0.02	0.02	0.00	0.95	0.00	0.00	0.00	0.00
0.00									
C120	1.00	0.04	0.00	0.00	0.00	0.00	0.00	0.96	0.00
0.00									
C121	1.00	0.22	0.67	0.00	0.03	0.08	0.00	0.00	0.74
0.00									
C122	1.00	0.04	0.12	0.00	0.10	0.74	0.00	0.00	0.49
0.00									
C122_1	1.00	0.21	0.00	0.00	0.01	0.78	0.00	0.00	0.86
0.00									
C122_2	1.00	0.16	0.05	0.00	0.07	0.72	0.00	0.00	0.48
0.00									
C123	1.00	0.04	0.00	0.00	0.00	0.00	0.00	0.96	0.00
0.00									
C124	1.00	0.15	0.00	0.00	0.00	0.16	0.00	0.69	0.03
0.00									
C125	1.00	0.14	0.00	0.00	0.00	0.00	0.00	0.86	0.00
0.00									
C126	1.00	0.14	0.27	0.00	0.59	0.00	0.00	0.00	0.51
0.00									
C127	1.00	0.14	0.79	0.00	0.06	0.00	0.00	0.00	0.73
0.00									
C127_1	1.00	0.05	0.00	0.00	0.17	0.78	0.00	0.00	0.27
0.00									
C127_2	1.00	0.12	0.02	0.00	0.05	0.80	0.00	0.00	0.80
0.00									
C128	1.00	0.05	0.00	0.00	0.76	0.19	0.00	0.00	0.01
0.00									
C128_1	1.00	0.32	0.68	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C128_2	1.00	0.32	0.00	0.00	0.00	0.00	0.00	0.68	0.00
0.00									
C128_3	1.00	0.05	0.01	0.00	0.28	0.66	0.00	0.00	0.11
0.00									
C128_4	1.00	0.05	0.00	0.00	0.00	0.95	0.00	0.00	0.50
0.00									
C128_5	1.00	0.05	0.00	0.00	0.00	0.95	0.00	0.00	0.28
0.00									
C128_7	1.00	0.05	0.01	0.00	0.22	0.73	0.00	0.00	0.88
0.00									
C129	1.00	0.02	0.03	0.00	0.62	0.34	0.00	0.00	0.80
0.00									
C13	1.00	0.02	0.00	0.00	0.23	0.75	0.00	0.00	0.92
0.00									

C130	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C130_1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C131	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C132	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C132_1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C133	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C134	1.00	0.93	0.07	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C135	1.00	0.15	0.00	0.00	0.00	0.00	0.00	0.85	0.00
0.00									
C136	1.00	0.96	0.00	0.00	0.00	0.00	0.00	0.04	0.00
0.00									
C137	1.00	0.27	0.00	0.00	0.02	0.00	0.00	0.71	0.01
0.00									
C138	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C139	1.00	0.07	0.00	0.00	0.26	0.68	0.00	0.00	0.80
0.00									
C14	1.00	0.02	0.00	0.00	0.38	0.60	0.00	0.00	0.71
0.00									
C140	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C141	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C142	1.00	0.93	0.03	0.00	0.00	0.00	0.00	0.04	0.73
0.00									
C143	1.00	0.82	0.00	0.00	0.00	0.00	0.00	0.18	0.00
0.00									
C144	1.00	0.06	0.00	0.00	0.05	0.89	0.00	0.00	0.86
0.00									
C145	1.00	0.06	0.00	0.00	0.13	0.81	0.00	0.00	0.00
0.00									
C146	1.00	0.02	0.00	0.00	0.14	0.84	0.00	0.00	0.37
0.00									
C147	1.00	0.06	0.00	0.00	0.20	0.74	0.00	0.00	0.82
0.00									
C148	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C149	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C15	1.00	0.02	0.00	0.00	0.01	0.97	0.00	0.00	0.38
0.00									
C150	1.00	0.97	0.00	0.00	0.00	0.00	0.00	0.03	0.00
0.00									
C151	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C152	1.00	0.05	0.00	0.00	0.15	0.80	0.00	0.00	0.00
0.00									
C153	1.00	0.05	0.02	0.00	0.91	0.01	0.00	0.00	0.86
0.00									
C154	1.00	0.05	0.13	0.00	0.82	0.00	0.00	0.00	0.38
0.00									
C155	1.00	0.05	0.13	0.00	0.82	0.01	0.00	0.00	0.88
0.00									

C156	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C157	1.00	0.06	0.94	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C158	1.00	0.07	0.00	0.00	0.05	0.89	0.00	0.00	0.00
0.00									
C159	1.00	0.05	0.90	0.00	0.05	0.00	0.00	0.00	0.75
0.00									
C16	1.00	0.02	0.00	0.00	0.06	0.92	0.00	0.00	0.00
0.00									
C160	1.00	0.03	0.04	0.00	0.05	0.87	0.00	0.00	0.05
0.00									
C160_3	1.00	0.91	0.06	0.00	0.03	0.00	0.00	0.00	0.74
0.00									
C161	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C162	1.00	0.24	0.76	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C163	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C164	1.00	0.41	0.00	0.00	0.00	0.00	0.00	0.59	0.00
0.00									
C165	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C166	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C167	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C168	1.00	0.91	0.00	0.00	0.00	0.00	0.00	0.09	0.00
0.00									
C169	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C169_2	1.00	0.97	0.00	0.00	0.00	0.00	0.00	0.03	0.00
0.00									
C169_3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C169_4	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C17	1.00	0.02	0.00	0.00	0.93	0.05	0.00	0.00	0.92
0.00									
C170	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C170_4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C170_6	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C171	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C172	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C173	1.00	0.03	0.97	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C174	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C175	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C176	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C177	1.00	0.97	0.00	0.00	0.00	0.00	0.00	0.03	0.00
0.00									

C178	1.00	0.04	0.96	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C179	1.00	0.04	0.96	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C18	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00
0.87									
C180	1.00	0.90	0.10	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C181	1.00	0.03	0.01	0.00	0.00	0.03	0.00	0.93	0.01
0.00									
C182	1.00	0.24	0.01	0.00	0.06	0.00	0.00	0.69	0.02
0.00									
C183	1.00	0.09	0.12	0.00	0.53	0.00	0.00	0.26	0.21
0.00									
C184	1.00	0.02	0.98	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C185	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C186	1.00	0.01	0.99	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C187	1.00	0.04	0.02	0.00	0.95	0.00	0.00	0.00	0.48
0.00									
C188	1.00	0.29	0.60	0.00	0.11	0.00	0.00	0.00	0.72
0.00									
C19	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00
0.00									
C2	1.00	0.02	0.05	0.00	0.36	0.56	0.00	0.00	0.40
0.00									
C20	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.75
0.00									
C21	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.92
0.00									
C22	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.94
0.00									
C23	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.00
0.00									
C24	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
C25	1.00	0.01	0.09	0.00	0.19	0.70	0.00	0.00	0.94
0.00									
C26	1.00	0.01	0.00	0.00	0.22	0.05	0.00	0.72	0.14
0.00									
C27	1.00	0.02	0.00	0.00	0.24	0.13	0.00	0.62	0.00
0.25									
C28	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00
0.00									
C29	1.00	0.00	0.00	0.00	0.30	0.70	0.00	0.00	0.98
0.00									
C29_1	1.00	0.02	0.00	0.00	0.03	0.96	0.00	0.00	0.53
0.00									
C29_2	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00
0.00									
C3	1.00	0.07	0.00	0.00	0.60	0.33	0.00	0.00	0.43
0.00									
C3_1	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00	0.00
0.86									
C3_2	1.00	0.07	0.00	0.00	0.24	0.69	0.00	0.00	0.85
0.00									
C30	1.00	0.00	0.00	0.00	0.06	0.94	0.00	0.00	0.00
0.00									

C31	1.00	0.00	0.00	0.00	0.82	0.17	0.00	0.00	0.53
0.00									
C32	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.97									
C33	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C33_1	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	0.00
0.00									
C33_2	1.00	0.03	0.19	0.00	0.06	0.71	0.00	0.01	0.89
0.00									
C34	1.00	0.04	0.00	0.00	0.22	0.00	0.00	0.74	0.45
0.00									
C35	1.00	0.04	0.00	0.00	0.00	0.64	0.00	0.32	0.33
0.00									
C36	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
C37	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C37_1	1.00	0.01	0.00	0.00	0.16	0.83	0.00	0.00	0.55
0.00									
C37_2	1.00	0.01	0.13	0.00	0.66	0.21	0.00	0.00	0.95
0.00									
C38	1.00	0.03	0.00	0.00	0.23	0.74	0.00	0.00	0.00
0.00									
C39	1.00	0.04	0.00	0.00	0.21	0.75	0.00	0.00	0.88
0.00									
C4	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.01
0.00									
C4_1	1.00	0.06	0.00	0.00	0.00	0.94	0.00	0.00	0.00
0.00									
C4_2	1.00	0.06	0.00	0.00	0.00	0.93	0.00	0.00	0.56
0.00									
C40	1.00	0.04	0.00	0.00	0.18	0.79	0.00	0.00	0.45
0.00									
C41	1.00	0.04	0.00	0.00	0.00	0.00	0.00	0.96	0.00
0.00									
C42	1.00	0.04	0.00	0.00	0.00	0.64	0.00	0.32	0.32
0.00									
C43	1.00	0.35	0.65	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C44	1.00	0.05	0.00	0.00	0.00	0.00	0.00	0.95	0.00
0.00									
C45	1.00	0.02	0.00	0.00	0.00	0.08	0.00	0.90	0.03
0.00									
C46	1.00	0.21	0.00	0.00	0.02	0.77	0.00	0.00	0.90
0.00									
C46_1	1.00	0.02	0.13	0.00	0.85	0.00	0.00	0.00	0.90
0.00									
C46_2	1.00	0.96	0.00	0.00	0.00	0.00	0.00	0.04	0.00
0.00									
C47	1.00	0.15	0.04	0.00	0.05	0.77	0.00	0.00	0.48
0.00									
C48	1.00	0.02	0.00	0.00	0.00	0.12	0.00	0.85	0.05
0.00									
C49	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00
0.00									
C5	1.00	0.06	0.00	0.00	0.93	0.01	0.00	0.00	0.77
0.00									
C50	1.00	0.02	0.14	0.00	0.09	0.75	0.00	0.00	0.91
0.00									

C51	1.00	0.02	0.00	0.00	0.76	0.22	0.00	0.00	0.41
0.00									
C52	1.00	0.02	0.07	0.00	0.91	0.00	0.00	0.00	0.00
0.86									
C53	1.00	0.03	0.00	0.00	0.29	0.18	0.00	0.50	0.00
0.88									
C53_1	1.00	0.02	0.00	0.00	0.08	0.90	0.00	0.00	0.44
0.00									
C53_2	1.00	0.03	0.00	0.00	0.64	0.34	0.00	0.00	0.34
0.00									
C54	1.00	0.03	0.00	0.00	0.25	0.72	0.00	0.00	0.10
0.00									
C55	1.00	0.03	0.00	0.00	0.06	0.57	0.00	0.35	0.29
0.00									
C56	1.00	0.03	0.00	0.00	0.16	0.81	0.00	0.00	0.02
0.00									
C57	1.00	0.36	0.64	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C58	1.00	0.95	0.05	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C59	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C6	1.00	0.06	0.03	0.00	0.19	0.73	0.00	0.00	0.31
0.00									
C60	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C61_1	1.00	0.05	0.00	0.00	0.71	0.00	0.00	0.24	0.00
0.34									
C61_2	1.00	0.05	0.00	0.00	0.34	0.23	0.00	0.38	0.00
0.49									
C63	1.00	0.05	0.00	0.00	0.00	0.00	0.00	0.95	0.00
0.00									
C64	1.00	0.05	0.18	0.00	0.15	0.60	0.00	0.02	0.82
0.00									
C65	1.00	0.05	0.00	0.00	0.00	0.01	0.00	0.94	0.01
0.00									
C66	1.00	0.05	0.00	0.00	0.02	0.06	0.00	0.87	0.03
0.00									
C67	1.00	0.05	0.00	0.00	0.32	0.64	0.00	0.00	0.48
0.00									
C68	1.00	0.05	0.00	0.00	0.41	0.54	0.00	0.00	0.87
0.00									
C69	1.00	0.06	0.00	0.00	0.00	0.94	0.00	0.00	0.50
0.00									
C7	1.00	0.05	0.00	0.00	0.46	0.49	0.00	0.00	0.85
0.00									
C70	1.00	0.06	0.00	0.00	0.00	0.94	0.00	0.00	0.35
0.00									
C71	1.00	0.06	0.00	0.00	0.00	0.94	0.00	0.00	0.33
0.00									
C72_1	1.00	0.04	0.02	0.00	0.24	0.70	0.00	0.00	0.00
0.87									
C73	1.00	0.04	0.00	0.00	0.00	0.00	0.00	0.96	0.00
0.00									
C73_2	1.00	0.02	0.03	0.00	0.29	0.67	0.00	0.00	0.89
0.00									
C75	1.00	0.02	0.00	0.00	0.00	0.98	0.00	0.00	0.37
0.00									
C77	1.00	0.02	0.00	0.00	0.97	0.01	0.00	0.00	0.00
0.93									

C78	1.00	0.02	0.00	0.00	0.00	0.98	0.00	0.00	0.08
0.00									
C79	1.00	0.03	0.00	0.00	0.15	0.82	0.00	0.00	0.60
0.00									
C8	1.00	0.02	0.01	0.00	0.98	0.00	0.00	0.00	0.00
0.35									
C80	1.00	0.04	0.00	0.00	0.08	0.88	0.00	0.00	0.07
0.00									
C80_2	1.00	0.04	0.00	0.00	0.01	0.96	0.00	0.00	0.32
0.00									
C80_3	1.00	0.03	0.02	0.00	0.20	0.75	0.00	0.00	0.85
0.00									
C80_4	1.00	0.03	0.00	0.00	0.68	0.29	0.00	0.00	0.89
0.00									
C81	1.00	0.03	0.00	0.00	0.66	0.31	0.00	0.00	0.75
0.00									
C82	1.00	0.04	0.00	0.00	0.20	0.76	0.00	0.00	0.00
0.00									
C82_1	1.00	0.03	0.00	0.00	0.33	0.65	0.00	0.00	0.00
0.91									
C82_2	1.00	0.03	0.00	0.00	0.12	0.85	0.00	0.00	0.18
0.00									
C83	1.00	0.04	0.19	0.00	0.39	0.37	0.00	0.00	0.85
0.00									
C85	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C85_1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C86	1.00	0.32	0.62	0.00	0.00	0.06	0.00	0.01	0.75
0.00									
C87	1.00	0.05	0.32	0.00	0.63	0.00	0.00	0.00	0.51
0.00									
C88	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C89	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C9	1.00	0.02	0.00	0.00	0.18	0.80	0.00	0.00	0.93
0.00									
C90	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C91	1.00	0.05	0.07	0.00	0.88	0.00	0.00	0.00	0.87
0.00									
C92	1.00	0.22	0.00	0.00	0.00	0.00	0.00	0.78	0.00
0.00									
C93	1.00	0.02	0.93	0.00	0.05	0.00	0.00	0.00	0.75
0.00									
C94	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C95	1.00	0.02	0.00	0.00	0.14	0.84	0.00	0.00	0.38
0.00									
C96	1.00	0.15	0.00	0.00	0.00	0.48	0.00	0.38	0.21
0.00									
C97	1.00	0.01	0.99	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C97_1	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.92
0.00									
C97_2	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.27
0.00									
C98	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

C99 1.00 1.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00
0.00

****
Conduit Surcharge Summary
****

Conduit	Hours Full: Both Ends	Hours Full: Upstream	Hours Full: Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
C108	0.01	0.01	0.01	0.01	0.01
C110	0.01	0.01	8.95	0.01	0.01
C111	0.01	0.09	0.01	0.17	0.01
C112	0.01	0.01	0.01	0.01	0.01
C113	0.01	0.01	0.01	0.01	0.01
C114	0.01	0.01	0.33	0.01	0.01
C118	0.01	0.26	0.01	0.01	0.01
C119	0.01	0.01	0.24	0.01	0.01
C120	0.01	0.24	0.01	0.01	0.01
C122_1	0.01	0.01	0.18	0.01	0.01
C122_2	0.09	0.18	0.09	0.01	0.09
C127	0.01	0.01	0.11	0.01	0.01
C128	0.36	0.48	0.36	0.55	0.36
C129	0.34	0.34	1.56	0.01	0.01
C13	0.01	0.01	0.13	0.01	0.01
C143	0.01	0.01	0.01	0.17	0.01
C145	0.43	4.46	0.43	4.57	0.43
C146	0.01	0.29	0.01	0.01	0.01
C15	0.01	0.01	0.22	0.01	0.01
C152	0.32	1.78	0.32	0.57	0.32
C153	0.01	0.01	0.63	0.01	0.01
C155	0.01	0.01	1.23	0.01	0.01
C159	0.01	0.01	8.96	0.01	0.01
C164	0.01	0.01	0.01	0.52	0.01
C18	0.01	0.41	0.01	0.23	0.01
C187	0.53	0.53	0.60	0.01	0.01
C188	0.01	0.01	0.38	0.01	0.01
C24	0.01	0.46	0.01	0.01	0.01
C26	0.01	0.01	0.32	0.01	0.01
C27	0.01	0.15	0.01	0.01	0.01
C3	0.01	0.01	0.25	0.01	0.01
C34	0.01	0.01	0.01	0.25	0.01
C38	0.10	0.11	0.10	0.02	0.10
C39	0.10	0.10	0.13	0.01	0.01
C4	0.01	0.01	0.06	0.01	0.01
C4_1	0.01	0.12	0.01	0.01	0.01
C40	0.01	0.13	0.01	0.01	0.01
C42	0.01	0.01	0.26	0.01	0.01
C46_1	0.01	0.01	0.68	0.01	0.01
C48	0.01	0.01	0.10	0.01	0.01
C49	0.01	0.33	0.01	0.01	0.01
C5	0.01	0.01	0.23	0.01	0.01
C51	0.01	0.01	0.48	0.01	0.01
C52	0.01	0.28	0.01	0.01	0.01

C53	0.34	0.62	0.34	0.01	0.01
C53_2	0.01	0.01	0.46	0.01	0.01
C54	0.34	0.36	0.35	0.34	0.34
C55	0.35	0.35	0.42	0.01	0.01
C56	0.01	0.43	0.01	0.26	0.01
C6	0.01	0.01	0.01	0.01	0.01
C61_1	0.86	0.87	0.97	0.44	0.50
C61_2	0.65	1.03	0.65	0.01	0.01
C63	0.01	0.66	0.01	0.66	0.01
C64	0.43	0.43	0.48	0.20	0.20
C65	0.01	0.01	0.01	0.01	0.01
C66	0.03	0.03	0.40	0.01	0.01
C68	0.01	0.01	0.03	0.01	0.01
C69	0.01	0.04	0.01	0.01	0.01
C7	0.01	0.01	0.02	0.01	0.01
C71	0.01	0.01	0.02	0.01	0.01
C72_1	0.01	0.33	0.01	0.01	0.01
C73_2	0.01	0.01	0.03	0.01	0.01
C75	0.01	0.01	0.32	0.01	0.01
C77	0.01	0.54	0.01	0.01	0.01
C79	0.01	0.17	0.01	0.01	0.01
C8	0.01	0.25	0.01	0.32	0.01
C82	0.01	0.56	0.01	0.01	0.01
C82_1	0.09	0.22	0.09	0.01	0.01
C82_2	0.09	0.09	0.17	0.01	0.01
C83	0.01	0.01	0.33	0.01	0.01
C91	0.01	0.01	0.70	0.01	0.01
C95	0.01	0.11	0.01	0.01	0.01
C96	0.01	0.01	0.30	0.01	0.01

Analysis begun on: Wed Sep 14 14:54:21 2022
Analysis ended on: Wed Sep 14 14:54:53 2022
Total elapsed time: 00:00:32

ALTERNATIVE RUNOFF METHOD (ARM) - PCSWMM VERSION 7.4.3240

This is a new version of ARM - your feedback and suggestions are solicited.
Create a ticket, post on the PCSWMM feature request forum, or email us directly!

Simulation start time:	11/01/2021 00:00:00
Simulation end time:	11/01/2021 12:00:00
Runoff wet weather time steps:	60 seconds
Report time steps:	180 seconds
Number of data points:	241

****
Unit Hydrographs Runoff Method
****

Subcatchment	Runoff Method	Raingage	Area (ac)	Time of Concentration (min)	Time to Peak (min)	Time after Peak (CFS/in)	Peak UH Flow (in)	UH Depth (min)
Basin1West	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	8.529	10	6.5	26.66	59.46517	0.995
Basin2West	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	29.866	8	5.3	21.33	255.37543	0.991
Basin3West	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	12.396	12	7.7	31.99	72.9573	0.997
Basin4West	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	5.536	7	4.7	18.66	53.3797	0.991
Basin7East	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	23.737	9	5.9	23.99	182.32732	0.993
Basin10East	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	8.904	8	5.3	21.33	76.1355	0.991
Basin5Central	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	25.653	9	5.9	23.99	197.04439	0.993
Basin6East	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	14.882	9	5.9	23.99	114.31079	0.993
Basin6Central	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	4.448	8	5.3	21.33	38.03355	0.991
Basin3Central	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	5.594	5	3.5	13.33	72.43231	0.994
Basin2Central	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	6.172	3	2.3	8	121.61188	0.992
Basin1Central	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	14.215	8	5.3	21.33	121.54831	0.991
Basin4Central	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	14.271	12	7.7	31.99	83.99271	0.997
Basin4East	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	7.715	10	6.5	26.66	53.78987	0.995
Basin9East	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	4.254	7	4.7	18.66	41.01829	0.991
Basin5East	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	2.468	5	3.5	13.33	31.95619	0.994
Basin8East	Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	13.368	7	4.7	18.66	128.8981	0.991

Basin3East		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	10.054	8		
5.3	21.33	85.96881	0.991				
Basin3.1East		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	5.642	9		
5.9	23.99	43.33701	0.993				
Basin2East		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	7.984	8		
5.3	21.33	68.26885	0.991				
Basin1East		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	32.052			
10		6.5	26.66	223.47024	0.995		
Basin1.1West		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	18.843			
11.5		7.4	30.66	115.39746	0.995		
Basin1.2West		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	5.956			
10		6.5	26.66	41.52592	0.995		
Basin2.1West		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	7.295			
10		6.5	26.66	50.86158	0.995		
Basin3.4West		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	11.605			
10		6.5	26.66	80.9114	0.995		
Basin3.3West		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	5.053	6		
4.1	16	55.8526	0.993				
Basin3.5West		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	12.351			
13		8.3	34.66	67.43758	0.999		
Basin3.2West		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	3.736	8		
5.3	21.33	31.94544	0.991				
Basin3.1West		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	1.463	3		
2.3	8	28.82667	0.992				
Basin5West		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	2.28	4		
2.9	10.66	35.62991	0.991				
Basin6West		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	8.24	9		
5.9	23.99	63.29263	0.993				
Basin3.2East		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	2.469	9		
5.9	23.99	18.96474	0.993				
Basin1.1Central		Dimensionless UH (483.4)	10YR_6HR_SCS_Type_III_4in	6.376	7		
4.7	18.66	61.47922	0.991				

****
ARM Runoff Summary
****

Subcatchment	Total Precip (in)	Total Losses (in)	Total Runoff (in)	Total Runoff 10^6 gal	Peak Runoff CFS	Runoff Coeff (fraction)
Basin1West	4	1.215	2.786	0.645	31.424	0.697
Basin2West	4	0.697	3.303	2.679	128.926	0.826
Basin3West	4	1.879	2.121	0.714	34.102	0.53
Basin4West	4	1.603	2.396	0.36	18.882	0.599
Basin7East	4	1.363	2.636	1.699	84.942	0.659
Basin10East	4	1.958	2.041	0.494	25.644	0.51

Basin5Central	4	1.62	2.379	1.657	83.775
0.595					
Basin6East	4	1.756	2.243	0.907	46.005
0.561					
Basin6Central	4	1.363	2.636	0.318	16.192
0.659					
Basin3Central	4	0.882	3.117	0.473	24.126
0.779					
Basin2Central	4	0.923	3.055	0.512	26.567
0.764					
Basin1Central	4	1.472	2.529	0.976	49.871
0.632					
Basin4Central	4	1.363	2.637	1.022	48.236
0.659					
Basin4East	4	1.363	2.638	0.553	27.113
0.659					
Basin9East	4	1.363	2.636	0.304	15.765
0.659					
Basin5East	4	1.262	2.738	0.183	9.686
0.684					
Basin8East	4	1.363	2.636	0.957	49.54
0.659					
Basin3East	4	1.363	2.636	0.72	36.599
0.659					
Basin3.1East	4	1.363	2.635	0.404	20.19
0.659					
Basin2East	4	1.472	2.528	0.548	28.011
0.632					
Basin1East	4	1.472	2.529	2.202	108.481
0.632					
Basin1.1West	4	1.186	2.814	1.44	68.114
0.704					
Basin1.2West	4	1.29	2.711	0.439	21.441
0.678					
Basin2.1West	4	1.308	2.693	0.533	26.106
0.673					
Basin3.4West	4	1.022	2.979	0.939	45.132
0.745					
Basin3.3West	4	0.547	3.447	0.473	22.864
0.862					
Basin3.5West	4	1.445	2.556	0.857	39.844
0.639					
Basin3.2West	4	0.536	3.463	0.351	16.562
0.866					
Basin3.1West	4	0.235	3.738	0.148	6.896
0.934					
Basin5West	4	0.569	3.431	0.212	10.455
0.858					
Basin6West	4	0.728	3.27	0.732	34.744
0.818					
Basin3.2East	4	1.454	2.545	0.171	8.571
0.636					
Basin1.1Central	4	0.882	3.116	0.54	26.86
0.779					

Post field day
Overland split on Southwood Rd. and Trousdale St.

WARNING 03: negative offset ignored for Link C122_2
WARNING 03: negative offset ignored for Link C124
WARNING 03: negative offset ignored for Link C125
WARNING 03: negative offset ignored for Link C127_1
WARNING 03: negative offset ignored for Link C127_2
WARNING 04: minimum elevation drop used for Conduit C141
WARNING 04: minimum elevation drop used for Conduit C143
WARNING 04: minimum elevation drop used for Conduit C150
WARNING 04: minimum elevation drop used for Conduit C164
WARNING 03: negative offset ignored for Link C8
WARNING 03: negative offset ignored for Link C89
WARNING 04: minimum elevation drop used for Conduit C89
WARNING 03: negative offset ignored for Link C90
WARNING 02: maximum depth increased for Node J1
WARNING 02: maximum depth increased for Node J100
WARNING 02: maximum depth increased for Node J102
WARNING 02: maximum depth increased for Node J103
WARNING 02: maximum depth increased for Node J11
WARNING 02: maximum depth increased for Node J113
WARNING 02: maximum depth increased for Node J114
WARNING 02: maximum depth increased for Node J117
WARNING 02: maximum depth increased for Node J118
WARNING 02: maximum depth increased for Node J12
WARNING 02: maximum depth increased for Node J13
WARNING 02: maximum depth increased for Node J133
WARNING 02: maximum depth increased for Node J134
WARNING 02: maximum depth increased for Node J137
WARNING 02: maximum depth increased for Node J14
WARNING 02: maximum depth increased for Node J141
WARNING 02: maximum depth increased for Node J148
WARNING 02: maximum depth increased for Node J149
WARNING 02: maximum depth increased for Node J15
WARNING 02: maximum depth increased for Node J155
WARNING 02: maximum depth increased for Node J156
WARNING 02: maximum depth increased for Node J157
WARNING 02: maximum depth increased for Node J158
WARNING 02: maximum depth increased for Node J159
WARNING 02: maximum depth increased for Node J162
WARNING 02: maximum depth increased for Node J167
WARNING 02: maximum depth increased for Node J17
WARNING 02: maximum depth increased for Node J19
WARNING 02: maximum depth increased for Node J2
WARNING 02: maximum depth increased for Node J20
WARNING 02: maximum depth increased for Node J21
WARNING 02: maximum depth increased for Node J22
WARNING 02: maximum depth increased for Node J23
WARNING 02: maximum depth increased for Node J24
WARNING 02: maximum depth increased for Node J25
WARNING 02: maximum depth increased for Node J26
WARNING 02: maximum depth increased for Node J27
WARNING 02: maximum depth increased for Node J28
WARNING 02: maximum depth increased for Node J3
WARNING 02: maximum depth increased for Node J30

```
WARNING 02: maximum depth increased for Node J31
WARNING 02: maximum depth increased for Node J32
WARNING 02: maximum depth increased for Node J33
WARNING 02: maximum depth increased for Node J34
WARNING 02: maximum depth increased for Node J35
WARNING 02: maximum depth increased for Node J36
WARNING 02: maximum depth increased for Node J37
WARNING 02: maximum depth increased for Node J38
WARNING 02: maximum depth increased for Node J4
WARNING 02: maximum depth increased for Node J45
WARNING 02: maximum depth increased for Node J49
WARNING 02: maximum depth increased for Node J50
WARNING 02: maximum depth increased for Node J52
WARNING 02: maximum depth increased for Node J57
WARNING 02: maximum depth increased for Node J58
WARNING 02: maximum depth increased for Node J59
WARNING 02: maximum depth increased for Node J6
WARNING 02: maximum depth increased for Node J60
WARNING 02: maximum depth increased for Node J61
WARNING 02: maximum depth increased for Node J62
WARNING 02: maximum depth increased for Node J63
WARNING 02: maximum depth increased for Node J64
WARNING 02: maximum depth increased for Node J65
WARNING 02: maximum depth increased for Node J66
WARNING 02: maximum depth increased for Node J7
WARNING 02: maximum depth increased for Node J71
WARNING 02: maximum depth increased for Node J77
WARNING 02: maximum depth increased for Node J8
WARNING 02: maximum depth increased for Node J81
WARNING 02: maximum depth increased for Node J82
WARNING 02: maximum depth increased for Node J85
WARNING 02: maximum depth increased for Node J86
WARNING 02: maximum depth increased for Node J87
WARNING 02: maximum depth increased for Node J89
WARNING 02: maximum depth increased for Node J9
WARNING 02: maximum depth increased for Node J90
WARNING 02: maximum depth increased for Node J92
WARNING 02: maximum depth increased for Node J94
WARNING 02: maximum depth increased for Node J95
WARNING 02: maximum depth increased for Node J96
WARNING 02: maximum depth increased for Node J97
WARNING 02: maximum depth increased for Node J98
WARNING 02: maximum depth increased for Node J99

*************
Element Count
*************
Number of rain gages ...... 6
Number of subcatchments ... 0
Number of nodes ........... 190
Number of links ........... 232
Number of pollutants ...... 0
Number of land uses ....... 0


****************
Raingage Summary
```

****

Name	Data Source	Data Type	Recording Interval
100YR_24HR_SCS_Type_III_9.58in	100YR_24HR_SCS_Type_III_9.58in	CUMULATIVE	6 min.
10YR_6HR_SCS_Type_III_4in	10YR_6HR_SCS_Type_III_4in	CUMULATIVE	6 min.
25YR_24HR_SCS_Type_III_7.19in	25YR_24HR_SCS_Type_III_7.19in	CUMULATIVE	6 min.
25YR_6HR_SCS_Type_III_4.82in	25YR_6HR_SCS_Type_III_4.82in	CUMULATIVE	6 min.
2YR_6HR_SCS_Type_III_2.86in	2YR_6HR_SCS_Type_III_2.86in	CUMULATIVE	6 min.
5YR_6HR_SCS_Type_III_3.45in	5YR_6HR_SCS_Type_III_3.45in	CUMULATIVE	6 min.

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J1	JUNCTION	848.39	5.60	0.0	
J10	JUNCTION	879.04	7.56	100.0	
J100	JUNCTION	905.61	3.75	0.0	
J101	JUNCTION	963.28	6.00	100.0	
J102	JUNCTION	998.19	1.57	0.0	
J103	JUNCTION	996.01	1.50	0.0	
J104	JUNCTION	980.09	3.20	100.0	
J105	JUNCTION	979.08	3.30	100.0	
J106	JUNCTION	976.93	4.51	100.0	
J107	JUNCTION	990.78	1.33	0.0	
J108	JUNCTION	1008.00	5.20	100.0	
J109	JUNCTION	978.18	3.00	100.0	
J11	JUNCTION	898.40	3.76	0.0	
J110	JUNCTION	1014.00	5.00	100.0	
J111	JUNCTION	1007.80	5.30	100.0	
J112	JUNCTION	998.36	2.90	0.0	
J113	JUNCTION	1037.24	4.90	100.0	
J114	JUNCTION	891.30	8.97	0.0	
J115	JUNCTION	892.11	5.20	0.0	
J116	JUNCTION	894.30	4.30	0.0	
J117	JUNCTION	882.08	8.97	0.0	
J118	JUNCTION	890.79	8.97	0.0	
J119	JUNCTION	890.63	5.20	0.0	
J12	JUNCTION	895.95	3.75	0.0	
J120	JUNCTION	891.47	4.40	0.0	
J121	JUNCTION	892.13	4.20	0.0	
J122	JUNCTION	893.91	3.70	0.0	
J123	JUNCTION	893.13	2.71	0.0	
J124	JUNCTION	893.48	3.61	0.0	
J125	JUNCTION	881.65	5.77	0.0	
J126	JUNCTION	877.62	6.77	0.0	
J127	JUNCTION	884.30	5.10	0.0	
J128	JUNCTION	882.80	3.98	0.0	
J129	JUNCTION	877.05	4.15	0.0	
J13	JUNCTION	860.36	7.64	100.0	
J130	JUNCTION	862.87	4.72	0.0	
J131	JUNCTION	861.66	3.52	0.0	
J132	JUNCTION	991.90	5.08	100.0	
J133	JUNCTION	983.79	8.56	0.0	

J134	JUNCTION	1042.79	3.17	100.0
J135	JUNCTION	977.09	12.01	0.0
J136	JUNCTION	973.46	13.81	0.0
J137	JUNCTION	970.71	5.29	0.0
J138	JUNCTION	971.38	13.62	0.0
J139	JUNCTION	959.50	5.50	0.0
J14	JUNCTION	858.82	9.76	0.0
J140	JUNCTION	931.15	5.34	100.0
J141	JUNCTION	929.49	4.45	0.0
J142	JUNCTION	1046.96	2.78	100.0
J143	JUNCTION	1033.97	4.65	0.0
J144	JUNCTION	966.77	2.73	100.0
J145	JUNCTION	967.65	3.00	100.0
J146	JUNCTION	967.65	2.43	100.0
J147	JUNCTION	1046.25	3.56	100.0
J148	JUNCTION	929.08	3.00	0.0
J149	JUNCTION	1073.88	2.63	100.0
J15	JUNCTION	858.44	8.64	0.0
J150	JUNCTION	1046.00	4.00	100.0
J151	JUNCTION	996.50	3.11	0.0
J152	JUNCTION	982.58	2.30	100.0
J153	JUNCTION	979.33	5.12	100.0
J154	JUNCTION	976.81	5.16	0.0
J155	JUNCTION	977.16	5.29	0.0
J156	JUNCTION	978.64	4.52	0.0
J157	JUNCTION	980.77	3.23	0.0
J158	JUNCTION	980.80	3.20	100.0
J159	JUNCTION	1002.16	6.84	0.0
J16	JUNCTION	856.93	6.36	0.0
J160	JUNCTION	1029.71	1.00	0.0
J161	JUNCTION	1014.00	1.00	0.0
J162	JUNCTION	1003.98	5.02	0.0
J163	JUNCTION	1008.97	5.54	0.0
J164	JUNCTION	1009.11	5.39	0.0
J165	JUNCTION	1011.41	2.98	0.0
J166	JUNCTION	976.00	5.00	0.0
J167	JUNCTION	965.91	3.00	0.0
J168	JUNCTION	912.61	5.18	0.0
J169	JUNCTION	912.00	5.00	0.0
J17	JUNCTION	854.58	6.36	0.0
J170	JUNCTION	908.86	4.80	0.0
J171	JUNCTION	905.27	6.32	0.0
J172	JUNCTION	901.90	8.74	0.0
J173	JUNCTION	910.94	3.85	0.0
J174	JUNCTION	909.90	4.00	0.0
J175	JUNCTION	908.08	4.70	0.0
J176	JUNCTION	901.94	7.47	0.0
J177	JUNCTION	900.54	7.20	0.0
J178	JUNCTION	903.72	3.19	0.0
J179	JUNCTION	898.29	4.45	0.0
J18	JUNCTION	853.55	6.32	0.0
J180	JUNCTION	895.32	4.80	0.0
J181	JUNCTION	890.00	4.59	0.0
J182	JUNCTION	888.43	5.27	0.0
J183	JUNCTION	884.34	2.35	0.0
J184	JUNCTION	861.91	3.50	0.0
J185	JUNCTION	927.55	2.80	0.0

J186	JUNCTION	926.20	3.52	0.0
J187	JUNCTION	1011.79	3.00	0.0
J19	JUNCTION	848.41	4.34	0.0
J2	JUNCTION	861.21	6.39	0.0
J20	JUNCTION	845.32	9.99	0.0
J21	JUNCTION	863.59	6.88	100.0
J22	JUNCTION	863.98	8.40	100.0
J23	JUNCTION	863.86	11.03	0.0
J24	JUNCTION	864.84	11.03	0.0
J25	JUNCTION	865.83	8.02	0.0
J26	JUNCTION	867.96	5.24	0.0
J27	JUNCTION	871.54	8.97	0.0
J28	JUNCTION	943.21	4.80	0.0
J29	JUNCTION	926.69	4.47	100.0
J3	JUNCTION	853.15	10.09	0.0
J30	JUNCTION	922.02	5.00	0.0
J31	JUNCTION	919.62	7.26	100.0
J32	JUNCTION	919.27	6.35	100.0
J33	JUNCTION	917.74	7.30	0.0
J34	JUNCTION	899.22	9.20	0.0
J35	JUNCTION	908.54	8.20	0.0
J36	JUNCTION	897.71	6.13	0.0
J37	JUNCTION	896.92	6.43	0.0
J38	JUNCTION	887.13	6.43	0.0
J39	JUNCTION	885.67	5.62	0.0
J4	JUNCTION	854.42	9.15	0.0
J40	JUNCTION	903.56	8.96	0.0
J41	JUNCTION	894.45	14.60	0.0
J42	JUNCTION	898.27	8.20	0.0
J43	JUNCTION	895.14	4.23	0.0
J44	JUNCTION	889.39	5.20	0.0
J45	JUNCTION	887.35	8.97	0.0
J46	JUNCTION	1029.23	5.58	100.0
J47	JUNCTION	1029.03	4.84	100.0
J48	JUNCTION	1028.23	4.05	100.0
J49	JUNCTION	1027.18	4.65	0.0
J5	JUNCTION	853.85	8.57	0.0
J50	JUNCTION	1011.69	4.10	100.0
J51	JUNCTION	1005.32	4.55	0.0
J52	JUNCTION	996.69	6.28	100.0
J53	JUNCTION	1072.41	2.60	100.0
J54	JUNCTION	1070.72	2.50	100.0
J55	JUNCTION	1065.60	3.05	100.0
J56	JUNCTION	1050.60	3.20	100.0
J57	JUNCTION	1014.89	2.68	0.0
J58	JUNCTION	1045.75	1.50	0.0
J59	JUNCTION	1034.52	7.50	100.0
J6	JUNCTION	866.40	5.64	0.0
J60	JUNCTION	1021.50	5.90	100.0
J61	JUNCTION	1002.60	5.11	100.0
J62	JUNCTION	1001.78	6.11	100.0
J63	JUNCTION	995.85	4.43	0.0
J64	JUNCTION	986.80	6.96	0.0
J65	JUNCTION	986.54	7.22	0.0
J66	JUNCTION	978.86	5.27	0.0
J67	JUNCTION	982.37	4.70	0.0
J68	JUNCTION	976.97	6.82	0.0

J69	JUNCTION	976.37	5.85	100.0
J7	JUNCTION	875.38	11.00	0.0
J70	JUNCTION	973.41	3.12	100.0
J71	JUNCTION	969.66	3.00	0.0
J72	JUNCTION	1055.62	6.83	100.0
J74	JUNCTION	1052.29	2.20	100.0
J75	JUNCTION	1053.01	3.20	100.0
J76	JUNCTION	1053.68	3.35	100.0
J77	JUNCTION	1028.46	6.26	100.0
J78	JUNCTION	1021.44	4.25	100.0
J79	JUNCTION	1026.15	3.55	100.0
J8	JUNCTION	875.08	10.02	0.0
J80	JUNCTION	1014.55	5.90	100.0
J81	JUNCTION	1015.00	5.55	100.0
J82	JUNCTION	1014.00	6.45	100.0
J83	JUNCTION	1019.80	3.10	0.0
J84	JUNCTION	1018.05	4.75	0.0
J85	JUNCTION	988.25	3.23	0.0
J86	JUNCTION	987.17	3.54	0.0
J87	JUNCTION	986.40	4.54	0.0
J88	JUNCTION	985.65	3.40	0.0
J89	JUNCTION	981.52	5.60	100.0
J9	JUNCTION	875.66	11.00	0.0
J90	JUNCTION	980.25	8.35	0.0
J91	JUNCTION	1048.66	4.60	100.0
J92	JUNCTION	975.95	7.26	100.0
J93	JUNCTION	975.42	4.47	100.0
J94	JUNCTION	973.80	4.61	100.0
J95	JUNCTION	973.39	7.34	100.0
J96	JUNCTION	973.27	6.85	100.0
J97	JUNCTION	964.70	9.36	100.0
J98	JUNCTION	962.53	9.90	0.0
J99	JUNCTION	961.98	6.10	0.0
OF1	OUTFALL	843.04	9.99	0.0
J73	STORAGE	1048.58	6.10	0.0
SU1	STORAGE	948.10	3.90	0.0
SU2	STORAGE	890.46	4.70	0.0

****
Link Summary
****

Name	From Node	To Node	Type	Length	% Slope	Roughness
5	J33	J35	CONDUIT	225.8	3.6761	0.0110
C1	J20	OF1	CONDUIT	67.8	3.3701	0.0300
C10	J16	J17	CONDUIT	138.2	1.7001	0.0300
C100	J119	J118	CONDUIT	17.1	-0.9335	0.0130
C101	J118	J117	CONDUIT	112.3	7.7752	0.0350
C102	J120	J119	CONDUIT	31.1	1.7354	0.0130

C103	J122	J120	CONDUIT	15.7	
15.0984	0.0130				
C104	J121	J120	CONDUIT	29.8	
0.8725	0.0130				
C105	J123	J121	CONDUIT	98.2	
0.7636	0.0130				
C106	J124	J123	CONDUIT	19.8	
0.8096	0.0130				
C107	J39	J27	CONDUIT	204.9	
6.9145	0.0400				
C108	J125	J126	CONDUIT	48.3	
8.1639	0.0130				
C109	J127	J125	CONDUIT	33.9	
2.8324	0.0130				
C110	J128	J126	CONDUIT	57.9	
8.4218	0.0130				
C111	J126	J129	CONDUIT	42.3	
1.2296	0.0130				
C112	J129	J130	CONDUIT	168.9	
8.3840	0.0130				
C113	J130	J131	CONDUIT	50.9	
2.1427	0.0130				
C114	J131	J15	CONDUIT	42.4	
7.6089	0.0130				
C115	J49	J50	CONDUIT	270.3	
5.7404	0.0130				
C116	J31	J32	CONDUIT	17.0	
7.4225	0.0200				
C116_2	J77	J81	CONDUIT	467.7	
3.0310	0.0500				
C117	J61	J62	CONDUIT	31.5	-
0.5709	0.0130				
C118	J52	J132	CONDUIT	80.9	
5.9291	0.0130				
C119	J133	J135	CONDUIT	61.8	
10.8979	0.0130				
C12	J1	J19	CONDUIT	629.1	-
0.0027	0.0130				
C120	J135	J136	CONDUIT	157.0	
2.0390	0.0130				
C121	J102	J107	CONDUIT	196.8	
4.2121	0.0230				
C122	J137	J139	CONDUIT	200.3	
5.6060	0.0240				
C122_1	J136	J138	CONDUIT	76.9	
2.7043	0.0130				
C122_2	J138	J137	CONDUIT	24.7	
2.7121	0.0130				
C123	J139	J140	CONDUIT	673.1	
4.1099	0.0130				
C124	J140	J141	CONDUIT	82.4	
1.8929	0.0240				
C125	J141	J29	CONDUIT	67.9	
2.1798	0.0130				
C126	J147	J150	CONDUIT	11.7	
2.1378	0.0130				
C127	J142	J150	CONDUIT	17.5	
5.4786	0.0130				
C127_1	J73	J150	CONDUIT	142.3	
1.8133	0.0130				

C127_2	J150	J143	CONDUIT	166.6	7.2378	0.0130
C128	J82	J110	CONDUIT	12.1	0.4147	0.0130
C128_1	J141	J148	CONDUIT	73.5	3.8944	0.0300
C128_2	J148	J30	CONDUIT	125.1	4.0485	0.0300
C128_3	J80	J110	CONDUIT	194.5	0.2828	0.0130
C128_4	J111	J151	CONDUIT	220.7	5.1257	0.0240
C128_5	J110	J111	CONDUIT	75.6	8.2259	0.0130
C128_7	J151	J85	CONDUIT	157.3	5.2511	0.0130
C129	J139	J32	CONDUIT	1077.2	3.7373	0.0230
C13	J17	J18	CONDUIT	13.0	7.9280	0.0300
C130	J112	J151	CONDUIT	39.2	2.1959	0.0130
C130_1	J30	J31	CONDUIT	99.8	0.9822	0.0300
C131	J149	J53	CONDUIT	26.1	5.6414	0.0130
C132	J59	J60	CONDUIT	200.0	7.3292	0.0240
C132_1	J149	J113	CONDUIT	365.2	9.4532	0.0220
C133	J156	J155	CONDUIT	19.8	3.5902	0.0200
C134	J57	J61	CONDUIT	98.7	12.2487	0.0240
C135	J58	J134	CONDUIT	41.8	1.8855	0.0300
C136	J134	J59	CONDUIT	87.8	4.4935	0.0220
C137	J144	J101	CONDUIT	19.1	4.3962	0.0130
C138	J57	J61	CONDUIT	100.1	9.8993	0.0200
C139	J155	J154	CONDUIT	31.2	1.1207	0.0130
C14	J18	J1	CONDUIT	170.0	3.0361	0.0300
C140	J62	J63	CONDUIT	119.3	6.3900	0.0200
C141	J64	J65	CONDUIT	36.8	0.0027	0.0200
C142	J66	J71	CONDUIT	192.3	6.8447	0.0240
C143	J162	J159	CONDUIT	30.6	0.0033	0.0240
C144	J156	J155	CONDUIT	17.6	8.4448	0.0130
C145	J158	J157	CONDUIT	5.8	0.5156	0.0240
C147	J157	J156	CONDUIT	17.9	12.0180	0.0700

C148	J35	J34	CONDUIT	224.8	
3.7058	0.0110				
C149	J34	J36	CONDUIT	43.5	
10.5722	0.0110				
C15	J13	J14	CONDUIT	22.3	
6.9280	0.0300				
C150	J22	J21	CONDUIT	14.3	
0.0070	0.0130				
C151	J14	J15	CONDUIT	65.6	
0.7618	0.0200				
C152	J162	J159	CONDUIT	24.4	
7.4931	0.0140				
C153	J159	J158	CONDUIT	392.2	
5.4549	0.0500				
C154	J163	J164	CONDUIT	10.6	-
1.3197	0.0130				
C155	J164	J162	CONDUIT	117.0	
4.3891	0.0700				
C156	J98	J99	CONDUIT	17.4	
13.5980	0.0240				
C157	J165	J163	CONDUIT	35.7	
6.7745	0.0130				
C158	J154	J166	CONDUIT	12.3	
6.5938	0.0300				
C159	J81	J82	CONDUIT	33.0	
16.9258	0.0110				
C16	J2	J13	CONDUIT	55.0	
1.5381	0.0300				
C160	J166	J167	CONDUIT	256.7	
3.9321	0.0240				
C160_3	J82	J85	CONDUIT	460.5	
6.4084	0.0110				
C161	J168	J169	CONDUIT	45.2	
1.3500	0.0130				
C162	J169	J40	CONDUIT	95.0	
8.8905	0.0130				
C163	J113	J59	CONDUIT	31.2	
0.3849	0.0110				
C164	J158	J157	CONDUIT	7.9	
0.0127	0.0240				
C165	J170	J40	CONDUIT	9.9	
3.0317	0.0130				
C166	J89	J90	CONDUIT	21.0	
2.4827	0.0110				
C167	J173	J174	CONDUIT	18.8	
0.4785	0.0130				
C168	J85	J87	CONDUIT	127.1	
0.0464	0.0110				
C169	J174	J175	CONDUIT	41.1	
3.7039	0.0130				
C169_2	J95	J96	CONDUIT	16.9	
3.6067	0.0110				
C169_3	J92	J109	CONDUIT	49.8	
4.0715	0.0110				
C169_4	J109	J95	CONDUIT	11.1	
4.0655	0.0110				
C17	J21	J2	CONDUIT	66.4	
3.5867	0.0300				
C170	J175	J172	CONDUIT	70.7	
4.3764	0.0130				

C170_4	J160	J161	CONDUIT	268.8	
5.8529	0.0350				
C170_6	J161	J52	CONDUIT	309.4	
3.8913	0.0350				
C171	J49	J160	CONDUIT	18.6	
6.0381	0.0350				
C172	J50	J161	CONDUIT	9.0	
8.7892	0.0350				
C173	J176	J41	CONDUIT	9.5	
128.9248	0.0130				
C174	J133	J137	CONDUIT	317.6	
5.1556	0.0110				
C175	J13	J14	CONDUIT	27.0	-
2.1514	0.0240				
C176	J4	J3	CONDUIT	42.1	
0.7795	0.0110				
C177	J19	J20	CONDUIT	6.5	
15.3877	0.0240				
C178	J177	J42	CONDUIT	14.8	
15.5118	0.0130				
C179	J178	J42	CONDUIT	56.6	
9.6750	0.0130				
C18	J22	J21	CONDUIT	12.8	
3.0469	0.0350				
C180	J179	J180	CONDUIT	48.6	
3.8523	0.0130				
C181	J180	J43	CONDUIT	10.4	
0.5776	0.0130				
C182	SU2	J181	CONDUIT	3.7	
7.0713	0.0300				
C183	J181	J44	CONDUIT	8.3	
4.0998	0.0130				
C184	J184	J15	CONDUIT	71.3	
4.8694	0.0130				
C185	J185	J186	CONDUIT	37.3	
3.1676	0.0240				
C186	J186	J31	CONDUIT	123.3	
5.3451	0.0240				
C187	J187	J50	CONDUIT	10.9	
0.9154	0.0130				
C188	J91	J73	CONDUIT	56.2	
2.5285	0.0130				
C19	J23	J22	CONDUIT	15.7	-
0.7565	0.0350				
C2	J3	J1	CONDUIT	167.0	
2.8539	0.0300				
C20	J24	J23	CONDUIT	60.4	
1.6158	0.0350				
C21	J25	J24	CONDUIT	38.7	
2.5786	0.0350				
C22	J26	J25	CONDUIT	50.0	
4.2576	0.0350				
C23	J27	J26	CONDUIT	71.5	
5.0115	0.0350				
C24	J28	J29	CONDUIT	86.6	
18.3150	0.0130				
C25	J29	J30	CONDUIT	123.9	
3.7729	0.0130				
C26	J30	J31	CONDUIT	94.8	
2.5231	0.0350				

C27	J31	J32	CONDUIT	13.3	1.7267	0.0130
C28	J32	J33	CONDUIT	37.8	3.5214	0.0130
C29	J34	J36	CONDUIT	39.2	3.8503	0.0130
C29_1	J33	J35	CONDUIT	220.0	4.1838	0.0130
C29_2	J35	J34	CONDUIT	220.7	4.1837	0.0130
C3	J6	J4	CONDUIT	157.5	7.6283	0.0350
C3_1	J4	J5	CONDUIT	16.1	3.5081	0.0200
C3_2	J5	J3	CONDUIT	19.9	3.5062	0.0200
C30	J36	J37	CONDUIT	61.8	1.2700	0.0350
C31	J37	J38	CONDUIT	119.3	8.2389	0.0350
C32	J38	J39	CONDUIT	37.5	3.8947	0.0300
C33	J171	J172	CONDUIT	8.9	3.2649	0.0130
C33_1	J40	J172	CONDUIT	67.9	2.1662	0.0130
C33_2	J172	J41	CONDUIT	80.0	4.1897	0.0130
C34	J41	J42	CONDUIT	65.0	0.1538	0.0130
C35	J42	J180	CONDUIT	151.0	2.0069	0.0130
C36	J43	J44	CONDUIT	113.2	4.1470	0.0130
C37	J183	J24	CONDUIT	133.6	11.0401	0.0130
C37_1	J44	J182	CONDUIT	19.0	5.0511	0.0130
C37_2	J182	J45	CONDUIT	21.4	5.0520	0.0240
C38	J46	J47	CONDUIT	28.9	0.6923	0.0130
C39	J47	J48	CONDUIT	26.0	3.0787	0.0130
C4	J9	J7	CONDUIT	36.6	0.7648	0.0200
C4_1	J7	J8	CONDUIT	23.2	1.2936	0.0350
C4_2	J8	J6	CONDUIT	132.2	6.5817	0.0350
C40	J48	J49	CONDUIT	39.2	2.6820	0.0130
C41	J50	J51	CONDUIT	130.2	4.8608	0.0130
C42	J51	J52	CONDUIT	181.9	4.7156	0.0130
C43	J53	J54	CONDUIT	41.8	3.8027	0.0130
C44	J54	J55	CONDUIT	73.5	6.5676	0.0130

C45	J55	J56	CONDUIT	126.2	11.7638	0.0240
C46	J132	J133	CONDUIT	152.3	5.3320	0.0130
C46_1	J58	J134	CONDUIT	39.1	7.5956	0.0400
C46_2	J134	J113	CONDUIT	73.5	5.2095	0.0230
C47	J56	J58	CONDUIT	119.5	4.0625	0.0240
C48	J59	J60	CONDUIT	196.9	6.5253	0.0130
C49	J61	J62	CONDUIT	29.3	2.7633	0.0130
C5	J10	J9	CONDUIT	26.5	12.8583	0.0350
C50	J62	J63	CONDUIT	114.5	5.1838	0.0130
C51	J63	J64	CONDUIT	147.2	6.1595	0.0350
C52	J64	J65	CONDUIT	33.3	0.7805	0.0130
C53	J66	J68	CONDUIT	15.7	10.1699	0.0130
C53_1	J65	J67	CONDUIT	109.9	3.7993	0.0350
C53_2	J67	J66	CONDUIT	92.4	3.7961	0.0350
C54	J68	J69	CONDUIT	70.7	0.8487	0.0130
C55	J69	J70	CONDUIT	104.7	2.6852	0.0130
C56	J70	J71	CONDUIT	97.7	3.8415	0.0240
C57	J72	J73	CONDUIT	217.5	3.1461	0.0130
C58	J74	J73	CONDUIT	45.0	4.6907	0.0130
C59	J75	J73	CONDUIT	42.1	6.2528	0.0130
C6	J11	J10	CONDUIT	160.9	12.1204	0.0350
C60	J76	J73	CONDUIT	48.8	6.5780	0.0130
C61	J77	J79	CONDUIT	84.9	2.6053	0.0240
C62	J79	J78	CONDUIT	46.0	9.9632	0.0240
C63	J78	J80	CONDUIT	152.5	4.4248	0.0240
C64	J81	J82	CONDUIT	31.2	3.0438	0.0130
C65	J83	J84	CONDUIT	28.1	6.0536	0.0130
C66	J84	J81	CONDUIT	30.8	8.4762	0.0130
C67	J85	J86	CONDUIT	102.1	1.0612	0.0240
C68	J86	J87	CONDUIT	19.8	3.8539	0.0240

C69	J87	J88	CONDUIT	14.5	5.2122	0.0240
C7	J12	J10	CONDUIT	166.7	10.1972	0.0350
C70	J88	J89	CONDUIT	54.5	7.5991	0.0240
C71	J89	J90	CONDUIT	19.1	6.6584	0.0240
C72	J152	J153	CONDUIT	17.1	5.8556	0.0130
C72_1	J90	J153	CONDUIT	23.7	3.9002	0.0130
C72_2	J153	J106	CONDUIT	70.7	3.3854	0.0130
C73	J104	J105	CONDUIT	40.8	1.9870	0.0130
C73_2	J106	J92	CONDUIT	42.7	2.3084	0.0130
C74	J92	J93	CONDUIT	11.1	4.7776	0.0240
C75	J93	J94	CONDUIT	37.4	4.3155	0.0240
C76	J94	J95	CONDUIT	10.8	3.8243	0.0240
C77	J95	J96	CONDUIT	16.5	0.7328	0.0200
C78	J96	J97	CONDUIT	159.8	5.3718	0.0240
C79	J98	J99	CONDUIT	15.5	3.5564	0.0130
C8	J14	J15	CONDUIT	61.9	0.6168	0.0300
C80	SU1	J11	CONDUIT	663.7	7.5091	0.0350
C80_2	J100	J12	CONDUIT	184.4	5.2484	0.0350
C80_3	J71	J167	CONDUIT	71.5	5.2489	0.0130
C80_4	J167	J100	CONDUIT	1151.0	5.2463	0.0130
C81	J99	SU1	CONDUIT	831.8	1.6689	0.0130
C82	J102	J103	CONDUIT	145.8	1.4950	0.0130
C82_1	J97	J101	CONDUIT	43.4	3.2716	0.0130
C82_2	J101	J98	CONDUIT	42.0	1.7879	0.0130
C83	J105	J106	CONDUIT	44.6	4.8218	0.0130
C85	J60	J57	CONDUIT	83.6	11.8461	0.0240
C85_1	J90	J92	CONDUIT	139.6	3.8680	0.0240
C86	J28	J148	CONDUIT	86.0	20.0892	0.0240
C87	J108	J111	CONDUIT	22.3	0.8965	0.0130
C88	J32	J33	CONDUIT	43.1	1.3473	0.0130

C89	J145	J146	CONDUIT	43.0	0.0023
0.0130					
C9	J15	J16	CONDUIT	11.2	13.6396
0.0300					
C90	J146	J101	CONDUIT	43.3	4.7851
0.0130					
C91	J143	J77	CONDUIT	110.6	4.9863
0.0300					
C92	J107	J98	CONDUIT	662.5	3.2246
0.0230					
C93	J113	J59	CONDUIT	29.0	9.4192
0.0130					
C94	J97	J98	CONDUIT	86.4	1.8863
0.0110					
C95	J60	J57	CONDUIT	79.7	8.3201
0.0130					
C96	J57	J61	CONDUIT	95.7	12.7355
0.0130					
C97	J114	J117	CONDUIT	179.8	5.1330
0.0350					
C97_1	J45	J117	CONDUIT	174.9	3.0135
0.0350					
C97_2	J117	J27	CONDUIT	358.8	2.9401
0.0350					
C98	J116	J115	CONDUIT	40.6	5.1553
0.0130					
C99	J115	J114	CONDUIT	16.5	4.9138
0.0130					
C11	J19	J20	WEIR		
C84	J103	J104	WEIR		

****
Cross Section Summary
****

Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
5	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	514.48
C1	XS1	9.99	238.32	6.06	30.55	1	7203.86
C10	XS11	6.36	52.31	2.72	10.60	1	657.98
C100	CIRCULAR	2.50	4.91	0.63	2.50	1	39.63
C101	XS28	8.97	139.40	0.70	29.94	1	1306.86
C102	CIRCULAR	2.50	4.91	0.63	2.50	1	54.03
C103	CIRCULAR	1.50	1.77	0.38	1.50	1	40.82
C104	CIRCULAR	2.00	3.14	0.50	2.00	1	21.13
C105	CIRCULAR	1.50	1.77	0.38	1.50	1	9.18

C106	CIRCULAR	1.50	1.77	0.38	1.50	1	9.45
C107	XS29	3.98	58.71	1.70	32.88	1	815.30
C108	CIRCULAR	2.00	3.14	0.50	2.00	1	64.64
C109	CIRCULAR	2.00	3.14	0.50	2.00	1	38.07
C110	CIRCULAR	1.50	1.77	0.38	1.50	1	30.48
C111	CIRCULAR	2.00	3.14	0.50	2.00	1	25.09
C112	CIRCULAR	2.00	3.14	0.50	2.00	1	65.50
C113	CIRCULAR	2.00	3.14	0.50	2.00	1	33.11
C114	CIRCULAR	2.00	3.14	0.50	2.00	1	62.40
C115	CIRCULAR	3.00	7.07	0.75	3.00	1	159.80
C116	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	402.08
C116_2	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1	206.06
C117	RECT_OPEN	1.00	27.00	0.93	27.00	1	222.36
C118	CIRCULAR	3.00	7.07	0.75	3.00	1	162.41
C119	CIRCULAR	3.50	9.62	0.88	3.50	1	332.13
C12	TRAPEZOIDAL	2.50	1275.00	2.45	520.00	1	1376.51
C120	CIRCULAR	3.50	9.62	0.88	3.50	1	143.66
C121	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	51.62
C122	RECT_OPEN	4.00	14.00	1.22	3.50	1	234.00
C122_1	ARCH	3.00	10.64	0.90	4.50	1	186.01
C122_2	ARCH	3.00	10.64	0.90	4.50	1	186.28
C123	CIRCULAR	2.50	4.91	0.63	2.50	1	83.15
C124	CIRCULAR	2.50	4.91	0.63	2.50	1	30.57
C125	CIRCULAR	2.50	4.91	0.63	2.50	1	60.56
C126	CIRCULAR	1.50	1.77	0.38	1.50	1	15.36
C127	CIRCULAR	1.00	0.79	0.25	1.00	1	8.34
C127_1	CIRCULAR	2.50	4.91	0.63	2.50	1	55.23
C127_2	CIRCULAR	2.50	4.91	0.63	2.50	1	110.35
C128	CIRCULAR	1.67	2.19	0.42	1.67	1	9.01
C128_1	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	194.16

C128_2	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1	628.29
C128_3	CIRCULAR	2.50	4.91	0.63	2.50	1	21.81
C128_4	CIRCULAR	2.00	3.14	0.50	2.00	1	27.74
C128_5	CIRCULAR	2.50	4.91	0.63	2.50	1	117.64
C128_7	CIRCULAR	2.50	4.91	0.63	2.50	1	93.99
C129	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	48.63
C13	RECT_CLOSED	4.30	33.54	1.39	7.80	1	581.49
C130	CIRCULAR	1.25	1.23	0.31	1.25	1	9.57
C130_1	TRAPEZOIDAL	1.00	24.00	0.85	28.00	1	105.69
C131	CIRCULAR	1.50	1.77	0.38	1.50	1	24.95
C132	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	166.42
C132_1	RECT_OPEN	1.00	5.00	0.71	5.00	1	82.97
C133	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	139.77
C134	RECT_OPEN	0.71	1.60	0.44	2.25	1	19.88
C135	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1	79.81
C136	RECT_OPEN	1.00	27.00	0.93	27.00	1	368.61
C137	CIRCULAR	1.25	1.23	0.31	1.25	1	13.54
C138	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	232.09
C139	CIRCULAR	2.50	4.91	0.63	2.50	1	43.42
C14	XS10	5.60	55.08	2.13	19.46	1	787.64
C140	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1	220.38
C141	TRAPEZOIDAL	2.00	36.00	1.36	26.00	1	17.11
C142	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1	190.07
C143	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1	22.30
C144	CIRCULAR	2.50	4.91	0.63	2.50	1	119.20
C145	CIRCULAR	0.67	0.35	0.17	0.67	1	0.48
C147	RECT_OPEN	2.50	7.50	0.94	3.00	1	52.87
C148	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	258.19
C149	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	436.10
C15	XS14	4.64	44.90	2.40	20.83	1	1050.32

C150	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
18.99						
C151	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1
408.83						
C152	CIRCULAR	1.00	0.79	0.25	1.00	1
9.06						
C153	RECT_OPEN	2.50	7.50	0.94	3.00	1
49.87						
C154	CIRCULAR	1.50	1.77	0.38	1.50	1
12.07						
C155	RECT_OPEN	2.50	7.50	0.94	3.00	1
31.95						
C156	TRAPEZOIDAL	1.00	16.00	0.90	17.00	1
339.89						
C157	CIRCULAR	1.00	0.79	0.25	1.00	1
9.27						
C158	CIRCULAR	2.50	4.91	0.63	2.50	1
45.64						
C159	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
2213.36						
C16	XS15	6.39	91.07	3.40	28.37	1
1263.79						
C160	RECT_OPEN	2.50	10.00	1.11	4.00	1
131.71						
C160_3	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
1361.93						
C161	CIRCULAR	1.50	1.77	0.38	1.50	1
12.20						
C162	CIRCULAR	2.50	4.91	0.63	2.50	1
122.30						
C163	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
83.21						
C164	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
13.87						
C165	CIRCULAR	1.00	0.79	0.25	1.00	1
6.20						
C166	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
847.70						
C167	CIRCULAR	1.00	0.79	0.25	1.00	1
2.46						
C168	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
115.93						
C169	CIRCULAR	1.50	1.77	0.38	1.50	1
20.22						
C169_2	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6354.63						
C169_3	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6751.74						
C169_4	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6746.76						
C17	XS16	5.78	75.72	1.54	34.13	1
948.95						
C170	CIRCULAR	1.50	1.77	0.38	1.50	1
21.98						
C170_4	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
101.98						
C170_6	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
83.15						
C171	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
52.42						

C172	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
63.25						
C173	ARCH	1.50	2.80	0.45	2.38	1
213.41						
C174	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
154.14						
C175	TRAPEZOIDAL	3.00	54.00	2.30	21.00	1
854.34						
C176	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
118.41						
C177	TRAPEZOIDAL	2.00	24.00	1.53	14.00	1
774.95						
C178	CIRCULAR	1.50	1.77	0.38	1.50	1
41.37						
C179	CIRCULAR	1.50	1.77	0.38	1.50	1
32.67						
C18	ARCH	4.00	31.52	1.20	10.00	1
263.22						
C180	CIRCULAR	1.50	1.77	0.38	1.50	1
20.62						
C181	CIRCULAR	3.00	7.07	0.75	3.00	1
50.69						
C182	CIRCULAR	0.67	0.35	0.17	0.67	1
1.41						
C183	CIRCULAR	1.25	1.23	0.31	1.25	1
13.08						
C184	CIRCULAR	1.50	1.77	0.38	1.50	1
23.18						
C185	CIRCULAR	1.00	0.79	0.25	1.00	1
3.43						
C186	CIRCULAR	1.50	1.77	0.38	1.50	1
13.15						
C187	CIRCULAR	1.00	0.79	0.25	1.00	1
3.41						
C188	CIRCULAR	1.25	1.23	0.31	1.25	1
10.27						
C19	XS17	8.40	188.17	4.94	35.59	1
2015.69						
C2	XS2	5.38	99.15	3.52	24.27	1
1918.56						
C20	XS18	11.03	217.69	6.41	34.67	1
4055.42						
C21	XS19	8.02	133.18	2.95	30.03	1
1868.33						
C22	XS20	5.24	77.90	2.23	23.90	1
1166.20						
C23	XS21	5.11	77.61	3.04	26.97	1
1547.01						
C24	CIRCULAR	2.00	3.14	0.50	2.00	1
96.81						
C25	CIRCULAR	2.50	4.91	0.63	2.50	1
79.67						
C26	XS22	3.53	48.41	1.64	28.19	1
453.10						
C27	CIRCULAR	2.50	4.91	0.63	2.50	1
53.90						
C28	CIRCULAR	2.50	4.91	0.63	2.50	1
76.97						
C29	CIRCULAR	3.50	9.62	0.88	3.50	1
197.42						

C29_1	CIRCULAR	2.50	4.91	0.63	2.50	1
83.90						
C29_2	CIRCULAR	3.50	9.62	0.88	3.50	1
205.79						
C3	XS3	4.55	95.83	3.21	25.34	1
2443.35						
C3_1	RECT_CLOSED	5.00	55.00	1.72	11.00	1
1098.24						
C3_2	RECT_CLOSED	6.00	66.00	1.94	11.00	1
1428.87						
C30	XS23	4.08	74.78	2.57	32.83	1
671.71						
C31	XS24	6.43	125.90	3.87	37.26	1
3779.07						
C32	RECT_CLOSED	4.00	40.00	1.43	10.00	1
495.98						
C33	CIRCULAR	1.50	1.77	0.38	1.50	1
18.98						
C33_1	CIRCULAR	2.50	4.91	0.63	2.50	1
60.37						
C33_2	CIRCULAR	3.00	7.07	0.75	3.00	1
136.52						
C34	CIRCULAR	3.00	7.07	0.75	3.00	1
26.15						
C35	CIRCULAR	3.00	7.07	0.75	3.00	1
94.49						
C36	CIRCULAR	3.00	7.07	0.75	3.00	1
135.83						
C37	CIRCULAR	1.25	1.23	0.31	1.25	1
21.46						
C37_1	CIRCULAR	3.00	7.07	0.75	3.00	1
149.90						
C37_2	CIRCULAR	3.00	7.07	0.75	3.00	1
81.20						
C38	CIRCULAR	3.00	7.07	0.75	3.00	1
55.50						
C39	CIRCULAR	2.50	4.91	0.63	2.50	1
71.97						
C4	CIRCULAR	11.00	95.03	2.75	11.00	1
1212.05						
C4_1	XS7	10.02	77.59	2.93	16.77	1
766.62						
C4_2	XS4	5.64	119.40	3.66	29.37	1
3090.82						
C40	CIRCULAR	2.50	4.91	0.63	2.50	1
67.17						
C41	CIRCULAR	3.00	7.07	0.75	3.00	1
147.05						
C42	CIRCULAR	3.00	7.07	0.75	3.00	1
144.84						
C43	CIRCULAR	1.50	1.77	0.38	1.50	1
20.48						
C44	CIRCULAR	2.00	3.14	0.50	2.00	1
57.98						
C45	CIRCULAR	2.00	3.14	0.50	2.00	1
42.03						
C46	CIRCULAR	3.50	9.62	0.88	3.50	1
232.32						
C46_1	TRAPEZOIDAL	1.00	5.00	0.73	6.00	1
41.59						

C46_2	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	57.41
C47	CIRCULAR	1.50	1.77	0.38	1.50	2	11.47
C48	CIRCULAR	1.67	2.19	0.42	1.67	1	35.73
C49	CIRCULAR	1.50	1.77	0.38	1.50	1	17.46
C5	XS5	7.55	124.26	4.38	21.74	1	5068.01
C50	CIRCULAR	1.50	1.77	0.38	1.50	1	23.92
C51	XS25	2.17	19.95	0.98	19.55	1	207.15
C52	CIRCULAR	3.00	7.07	0.75	3.00	1	58.93
C53	CIRCULAR	2.50	4.91	0.63	2.50	1	130.80
C53_1	XS26	3.96	28.25	1.90	11.38	1	358.74
C53_2	XS27	2.82	15.24	1.42	7.80	1	159.60
C54	ARCH	2.00	6.30	0.60	4.00	1	47.12
C55	CIRCULAR	2.50	4.91	0.63	2.50	1	67.21
C56	CIRCULAR	2.00	3.14	0.50	2.00	1	24.02
C57	CIRCULAR	2.50	4.91	0.63	2.50	1	72.75
C58	CIRCULAR	1.25	1.23	0.31	1.25	1	13.99
C59	CIRCULAR	1.25	1.23	0.31	1.25	1	16.15
C6	XS8	3.76	38.43	2.26	12.47	1	979.41
C60	CIRCULAR	1.25	1.23	0.31	1.25	1	16.57
C61	CIRCULAR	2.50	4.91	0.63	2.50	1	35.86
C62	CIRCULAR	2.50	4.91	0.63	2.50	1	70.13
C63	CIRCULAR	2.50	4.91	0.63	2.50	1	46.74
C64	CIRCULAR	1.67	2.19	0.42	1.67	1	24.40
C65	CIRCULAR	1.67	2.19	0.42	1.67	1	34.41
C66	CIRCULAR	1.67	2.19	0.42	1.67	1	40.72
C67	Trous1	3.23	26.17	1.80	9.45	1	247.10
C68	Trous2	3.54	28.38	1.99	8.61	1	545.43
C69	Trous3	3.40	37.44	2.20	12.94	1	896.26
C7	XS9	3.75	85.07	2.47	33.46	1	2105.63
C70	Trous3	3.40	37.44	2.20	12.94	1	1082.18

C71	Trous4-5	4.71	28.45	2.04	7.89	1
730.46						
C72	CIRCULAR	1.25	1.23	0.31	1.25	1
15.63						
C72_1	CIRCULAR	3.50	9.62	0.88	3.50	1
198.69						
C72_2	CIRCULAR	3.50	9.62	0.88	3.50	1
185.12						
C73	ARCH	1.00	1.32	0.30	1.67	1
9.48						
C73_2	CIRCULAR	3.50	9.62	0.88	3.50	1
152.86						
C74	Trous6	4.31	18.52	1.70	4.86	1
357.06						
C75	Trous7	4.47	21.79	1.76	6.63	1
408.41						
C76	Trous8	4.61	21.15	1.48	7.05	1
331.89						
C77	RECT_CLOSED	2.50	10.00	0.77	4.00	1
53.40						
C78	Trous10	3.75	22.25	1.42	10.55	1
403.94						
C79	CIRCULAR	3.50	9.62	0.88	3.50	1
189.73						
C8	RECT_CLOSED	4.50	45.00	1.55	10.00	1
234.63						
C80	XS8	3.76	38.43	2.26	12.47	1
770.90						
C80_2	XS9	3.75	85.07	2.47	33.46	1
1510.62						
C80_3	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1
2343.69						
C80_4	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1
2343.11						
C81	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1
1321.52						
C82	CIRCULAR	1.00	0.79	0.25	1.00	1
4.36						
C82_1	CIRCULAR	3.50	9.62	0.88	3.50	1
181.98						
C82_2	CIRCULAR	3.50	9.62	0.88	3.50	1
134.53						
C83	ARCH	1.00	1.32	0.30	1.67	1
14.77						
C85	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
211.58						
C85_1	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
3016.20						
C86	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
275.52						
C87	CIRCULAR	1.25	1.23	0.31	1.25	1
6.12						
C88	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
263.55						
C89	CIRCULAR	1.25	1.23	0.31	1.25	1
0.31						
C9	XS11	6.36	52.31	2.72	10.60	1
1863.70						
C90	CIRCULAR	1.25	1.23	0.31	1.25	1
14.13						

C91	RECT_OPEN	3.80	16.72	1.39	4.40	1	230.71
C92	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	45.17
C93	CIRCULAR	1.67	2.19	0.42	1.67	1	42.92
C94	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1	4595.61
C95	CIRCULAR	1.50	1.77	0.38	1.50	1	30.30
C96	CIRCULAR	1.50	1.77	0.38	1.50	1	37.49
C97	XS28	8.97	139.40	0.70	29.94	1	1061.84
C97_1	XS28	8.97	139.40	0.70	29.94	1	813.59
C97_2	XS28	8.97	139.40	0.70	29.94	1	803.62
C98	CIRCULAR	1.50	1.77	0.38	1.50	1	23.85
C99	CIRCULAR	1.50	1.77	0.38	1.50	1	23.29

****
Transect Summary
****

Transect Spillway
Area:

0.0014	0.0045	0.0085	0.0135	0.0195	
0.0265	0.0345	0.0434	0.0534	0.0643	
0.0762	0.0890	0.1029	0.1177	0.1335	
0.1503	0.1681	0.1869	0.2067	0.2274	
0.2491	0.2718	0.2955	0.3201	0.3457	
0.3716	0.3975	0.4235	0.4494	0.4754	
0.5014	0.5275	0.5536	0.5797	0.6058	
0.6319	0.6581	0.6843	0.7105	0.7368	
0.7630	0.7893	0.8156	0.8420	0.8683	
0.8946	0.9209	0.9473	0.9736	1.0000	

Hrad:

0.0163	0.0366	0.0544	0.0709	0.0868
0.1023	0.1175	0.1325	0.1474	0.1623
0.1770	0.1917	0.2064	0.2210	0.2356
0.2502	0.2647	0.2792	0.2937	0.3082
0.3227	0.3372	0.3517	0.3661	0.3841
0.4110	0.4377	0.4642	0.4905	0.5166
0.5425	0.5682	0.5937	0.6190	0.6441
0.6691	0.6938	0.7184	0.7428	0.7670
0.7911	0.8150	0.8387	0.8623	0.8857
0.9089	0.9319	0.9548	0.9775	1.0000

Width:

0.0971	0.1343	0.1716	0.2088	0.2461
0.2833	0.3206	0.3578	0.3951	0.4324
0.4696	0.5069	0.5441	0.5814	0.6186
0.6559	0.6931	0.7304	0.7676	0.8049
0.8421	0.8794	0.9166	0.9539	0.9812

```
            0.9822     0.9832     0.9842     0.9852     0.9862
            0.9872     0.9882     0.9892     0.9901     0.9911
            0.9921     0.9931     0.9941     0.9951     0.9961
            0.9970     0.9973     0.9976     0.9980     0.9983
            0.9987     0.9990     0.9993     0.9997     1.0000

Transect Street1
Area:
            0.0004     0.0017     0.0037     0.0066     0.0103
            0.0149     0.0202     0.0264     0.0335     0.0413
            0.0500     0.0595     0.0698     0.0810     0.0930
            0.1058     0.1194     0.1339     0.1492     0.1653
            0.1822     0.2000     0.2186     0.2380     0.2582
            0.2793     0.3012     0.3239     0.3475     0.3719
            0.3971     0.4231     0.4499     0.4776     0.5061
            0.5355     0.5656     0.5965     0.6275     0.6585
            0.6895     0.7207     0.7527     0.7856     0.8192
            0.8537     0.8891     0.9252     0.9622     1.0000
Hrad:
            0.0167     0.0333     0.0500     0.0667     0.0833
            0.1000     0.1167     0.1333     0.1500     0.1667
            0.1833     0.2000     0.2167     0.2333     0.2500
            0.2667     0.2833     0.3000     0.3167     0.3333
            0.3500     0.3667     0.3833     0.4000     0.4167
            0.4333     0.4500     0.4667     0.4833     0.5000
            0.5167     0.5333     0.5500     0.5667     0.5833
            0.6000     0.6167     0.6415     0.6745     0.7074
            0.7403     0.7731     0.8049     0.8355     0.8651
            0.8938     0.9216     0.9485     0.9746     1.0000
Width:
            0.0216     0.0432     0.0649     0.0865     0.1081
            0.1297     0.1514     0.1730     0.1946     0.2162
            0.2378     0.2595     0.2811     0.3027     0.3243
            0.3459     0.3676     0.3892     0.4108     0.4324
            0.4541     0.4757     0.4973     0.5189     0.5405
            0.5622     0.5838     0.6054     0.6270     0.6486
            0.6703     0.6919     0.7135     0.7351     0.7568
            0.7784     0.8000     0.8108     0.8108     0.8108
            0.8108     0.8270     0.8486     0.8703     0.8919
            0.9135     0.9351     0.9568     0.9784     1.0000

Transect Street1-ValleyGutters
Area:
            0.0002     0.0007     0.0015     0.0026     0.0041
            0.0059     0.0081     0.0105     0.0133     0.0165
            0.0199     0.0237     0.0278     0.0323     0.0371
            0.0422     0.0476     0.0534     0.0594     0.0659
            0.0726     0.0799     0.0890     0.0998     0.1124
            0.1269     0.1432     0.1613     0.1812     0.2029
            0.2265     0.2518     0.2790     0.3080     0.3389
            0.3715     0.4060     0.4423     0.4804     0.5203
            0.5620     0.6056     0.6510     0.6970     0.7430
            0.7901     0.8394     0.8908     0.9443     1.0000
Hrad:
            0.0242     0.0484     0.0726     0.0968     0.1210
            0.1452     0.1694     0.1936     0.2178     0.2420
            0.2661     0.2903     0.3145     0.3387     0.3629
```

```
            0.3871     0.4113     0.4355     0.4597     0.4839
            0.5081     0.4784     0.4353     0.4131     0.4033
            0.4016     0.4053     0.4131     0.4237     0.4365
            0.4511     0.4670     0.4840     0.5020     0.5206
            0.5399     0.5597     0.5800     0.6006     0.6216
            0.6429     0.6645     0.6900     0.7381     0.7861
            0.8333     0.8779     0.9203     0.9609     1.0000
Width:
            0.0058     0.0116     0.0174     0.0232     0.0290
            0.0348     0.0406     0.0464     0.0522     0.0580
            0.0638     0.0696     0.0754     0.0812     0.0870
            0.0928     0.0986     0.1044     0.1102     0.1160
            0.1218     0.1426     0.1747     0.2067     0.2387
            0.2708     0.3028     0.3348     0.3669     0.3989
            0.4310     0.4630     0.4950     0.5271     0.5591
            0.5911     0.6232     0.6552     0.6872     0.7193
            0.7513     0.7834     0.8108     0.8108     0.8108
            0.8486     0.8865     0.9243     0.9622     1.0000

Transect Trous1
Area:
            0.0164     0.0352     0.0541     0.0730     0.0920
            0.1110     0.1300     0.1492     0.1683     0.1876
            0.2069     0.2262     0.2456     0.2650     0.2845
            0.3041     0.3237     0.3434     0.3631     0.3828
            0.4027     0.4225     0.4425     0.4624     0.4825
            0.5026     0.5227     0.5429     0.5632     0.5835
            0.6038     0.6242     0.6447     0.6652     0.6858
            0.7064     0.7271     0.7478     0.7686     0.7894
            0.8103     0.8313     0.8523     0.8733     0.8943
            0.9154     0.9365     0.9576     0.9787     1.0000
Hrad:
            0.0309     0.0651     0.0983     0.1305     0.1618
            0.1922     0.2217     0.2504     0.2784     0.3056
            0.3321     0.3580     0.3832     0.4078     0.4317
            0.4552     0.4780     0.5004     0.5222     0.5436
            0.5644     0.5849     0.6049     0.6245     0.6437
            0.6625     0.6809     0.6989     0.7167     0.7340
            0.7511     0.7678     0.7843     0.8004     0.8163
            0.8319     0.8472     0.8622     0.8770     0.8916
            0.9059     0.9206     0.9392     0.9575     0.9758
            0.9938     1.0118     1.0295     1.0472     1.0000
Width:
            0.8047     0.8070     0.8093     0.8116     0.8139
            0.8162     0.8185     0.8208     0.8231     0.8254
            0.8277     0.8300     0.8323     0.8346     0.8369
            0.8392     0.8415     0.8438     0.8461     0.8484
            0.8507     0.8530     0.8553     0.8576     0.8599
            0.8622     0.8645     0.8668     0.8691     0.8714
            0.8737     0.8760     0.8783     0.8806     0.8829
            0.8852     0.8875     0.8898     0.8921     0.8944
            0.8966     0.8988     0.8999     0.9010     0.9021
            0.9032     0.9043     0.9054     0.9066     1.0000

Transect Trous10
Area:
            0.0105     0.0234     0.0364     0.0495     0.0626
```

0.0758 0.0891 0.1025 0.1159 0.1294
0.1430 0.1567 0.1704 0.1842 0.1981
0.2121 0.2261 0.2402 0.2544 0.2687
0.2830 0.2974 0.3119 0.3264 0.3411
0.3558 0.3706 0.3863 0.4052 0.4254
0.4467 0.4692 0.4928 0.5177 0.5438
0.5711 0.5995 0.6292 0.6597 0.6903
0.7209 0.7516 0.7822 0.8129 0.8437
0.8745 0.9055 0.9366 0.9678 1.0000
Hrad:
0.0418 0.0895 0.1341 0.1759 0.2151
0.2521 0.2869 0.3199 0.3512 0.3809
0.4091 0.4360 0.4617 0.4863 0.5099
0.5324 0.5541 0.5750 0.5950 0.6144
0.6331 0.6511 0.6686 0.6855 0.7018
0.7177 0.7331 0.6667 0.6676 0.6703
0.6746 0.6802 0.6871 0.6951 0.7041
0.7139 0.7245 0.7358 0.7619 0.7928
0.8234 0.8537 0.8836 0.9133 0.9427
0.9717 1.0002 1.0284 1.0562 1.0000
Width:
0.3622 0.3643 0.3664 0.3685 0.3706
0.3727 0.3748 0.3769 0.3790 0.3811
0.3832 0.3853 0.3874 0.3895 0.3916
0.3937 0.3958 0.3979 0.4000 0.4021
0.4042 0.4063 0.4084 0.4106 0.4127
0.4148 0.4169 0.5153 0.5489 0.5824
0.6160 0.6495 0.6831 0.7167 0.7502
0.7838 0.8173 0.8509 0.8603 0.8611
0.8618 0.8626 0.8634 0.8642 0.8662
0.8695 0.8728 0.8761 0.8794 1.0000

Transect Trous2
Area:
0.0100 0.0288 0.0477 0.0667 0.0857
0.1047 0.1238 0.1430 0.1622 0.1815
0.2008 0.2202 0.2397 0.2592 0.2788
0.2984 0.3181 0.3379 0.3577 0.3775
0.3975 0.4174 0.4375 0.4576 0.4777
0.4980 0.5182 0.5386 0.5589 0.5794
0.5999 0.6204 0.6411 0.6617 0.6825
0.7033 0.7241 0.7450 0.7660 0.7870
0.8081 0.8292 0.8504 0.8717 0.8930
0.9143 0.9357 0.9571 0.9785 1.0000
Hrad:
0.0187 0.0529 0.0860 0.1180 0.1489
0.1789 0.2080 0.2362 0.2635 0.2901
0.3159 0.3410 0.3655 0.3892 0.4124
0.4349 0.4569 0.4783 0.4992 0.5197
0.5396 0.5590 0.5781 0.5967 0.6149
0.6327 0.6501 0.6671 0.6838 0.7002
0.7163 0.7320 0.7474 0.7625 0.7774
0.7920 0.8063 0.8204 0.8342 0.8478
0.8611 0.8742 0.8871 0.8999 0.9162
0.9332 0.9501 0.9669 0.9835 1.0000
Width:
0.8751 0.8778 0.8805 0.8832 0.8859

0.8886 0.8913 0.8940 0.8967 0.8994
0.9021 0.9048 0.9075 0.9102 0.9129
0.9156 0.9183 0.9210 0.9237 0.9264
0.9291 0.9318 0.9345 0.9372 0.9399
0.9426 0.9453 0.9480 0.9507 0.9534
0.9561 0.9588 0.9615 0.9642 0.9669
0.9696 0.9723 0.9750 0.9777 0.9804
0.9831 0.9858 0.9886 0.9913 0.9929
0.9943 0.9957 0.9972 0.9986 1.0000

Transect Trous3
Area:
0.0013 0.0050 0.0113 0.0202 0.0315
0.0454 0.0617 0.0792 0.0973 0.1160
0.1353 0.1552 0.1756 0.1966 0.2176
0.2387 0.2599 0.2812 0.3025 0.3239
0.3454 0.3670 0.3886 0.4103 0.4321
0.4539 0.4758 0.4978 0.5199 0.5420
0.5643 0.5865 0.6089 0.6313 0.6538
0.6764 0.6991 0.7218 0.7446 0.7675
0.7904 0.8134 0.8365 0.8597 0.8829
0.9062 0.9296 0.9530 0.9765 1.0000
Hrad:
0.0153 0.0306 0.0458 0.0611 0.0764
0.0917 0.1094 0.1351 0.1598 0.1837
0.2068 0.2293 0.2512 0.2760 0.3019
0.3274 0.3524 0.3770 0.4011 0.4247
0.4479 0.4708 0.4932 0.5152 0.5369
0.5582 0.5792 0.5999 0.6202 0.6402
0.6598 0.6792 0.6983 0.7171 0.7357
0.7540 0.7720 0.7898 0.8073 0.8246
0.8416 0.8584 0.8751 0.8915 0.9076
0.9236 0.9416 0.9612 0.9807 1.0000
Width:
0.1071 0.2143 0.3214 0.4286 0.5357
0.6429 0.7313 0.7564 0.7816 0.8067
0.8319 0.8570 0.8822 0.8927 0.8958
0.8989 0.9020 0.9051 0.9082 0.9113
0.9144 0.9175 0.9206 0.9238 0.9269
0.9300 0.9331 0.9362 0.9393 0.9424
0.9455 0.9486 0.9517 0.9548 0.9579
0.9610 0.9641 0.9672 0.9703 0.9734
0.9765 0.9796 0.9827 0.9858 0.9890
0.9921 0.9944 0.9963 0.9981 1.0000

Transect Trous4
Area:
0.0106 0.0218 0.0334 0.0454 0.0577
0.0705 0.0836 0.0971 0.1110 0.1252
0.1399 0.1549 0.1703 0.1861 0.2023
0.2188 0.2358 0.2531 0.2708 0.2889
0.3073 0.3261 0.3454 0.3650 0.3850
0.4053 0.4261 0.4472 0.4687 0.4906
0.5128 0.5355 0.5585 0.5819 0.6057
0.6299 0.6545 0.6794 0.7047 0.7304
0.7565 0.7829 0.8094 0.8362 0.8630
0.8901 0.9173 0.9447 0.9723 1.0000

Hrad:

0.0401	0.0779	0.1132	0.1461	0.1772
0.2066	0.2345	0.2611	0.2866	0.3112
0.3348	0.3576	0.3798	0.4013	0.4222
0.4425	0.4625	0.4819	0.5010	0.5197
0.5381	0.5561	0.5739	0.5914	0.6087
0.6257	0.6425	0.6592	0.6756	0.6919
0.7080	0.7239	0.7397	0.7554	0.7709
0.7864	0.8017	0.8169	0.8320	0.8470
0.8619	0.8782	0.8944	0.9103	0.9259
0.9412	0.9562	0.9711	0.9856	1.0000

Width:

0.3964	0.4101	0.4238	0.4375	0.4512
0.4649	0.4786	0.4923	0.5060	0.5197
0.5334	0.5471	0.5609	0.5746	0.5883
0.6020	0.6157	0.6294	0.6431	0.6568
0.6705	0.6842	0.6979	0.7116	0.7254
0.7391	0.7528	0.7665	0.7802	0.7939
0.8076	0.8213	0.8350	0.8487	0.8624
0.8761	0.8899	0.9036	0.9173	0.9310
0.9447	0.9517	0.9577	0.9637	0.9698
0.9758	0.9819	0.9879	0.9940	1.0000

Transect Trous4-5

Area:

0.0102	0.0213	0.0331	0.0456	0.0588
0.0725	0.0867	0.1015	0.1169	0.1327
0.1488	0.1653	0.1820	0.1990	0.2163
0.2339	0.2519	0.2701	0.2886	0.3074
0.3265	0.3459	0.3656	0.3856	0.4060
0.4266	0.4475	0.4687	0.4902	0.5120
0.5341	0.5565	0.5792	0.6022	0.6256
0.6492	0.6731	0.6973	0.7217	0.7463
0.7710	0.7959	0.8209	0.8460	0.8713
0.8968	0.9224	0.9481	0.9740	1.0000

Hrad:

0.0428	0.0822	0.1183	0.1519	0.1843
0.2148	0.2436	0.2710	0.2973	0.3248
0.3513	0.3767	0.4011	0.4245	0.4471
0.4690	0.4902	0.5107	0.5306	0.5500
0.5689	0.5874	0.6054	0.6230	0.6403
0.6573	0.6739	0.6902	0.7063	0.7221
0.7376	0.7529	0.7681	0.7830	0.7977
0.8122	0.8266	0.8408	0.8556	0.8700
0.8842	0.8981	0.9117	0.9250	0.9381
0.9509	0.9635	0.9759	0.9880	1.0000

Width:

0.4105	0.4385	0.4665	0.4937	0.5148
0.5360	0.5572	0.5784	0.5996	0.6121
0.6235	0.6350	0.6465	0.6580	0.6695
0.6809	0.6924	0.7039	0.7154	0.7269
0.7383	0.7498	0.7613	0.7728	0.7843
0.7957	0.8072	0.8187	0.8302	0.8417
0.8531	0.8646	0.8761	0.8876	0.8990
0.9105	0.9220	0.9335	0.9393	0.9449
0.9504	0.9559	0.9614	0.9669	0.9724
0.9779	0.9835	0.9890	0.9945	1.0000

Transect Trous5

Area:

0.0140	0.0285	0.0432	0.0582	0.0734
0.0889	0.1046	0.1205	0.1368	0.1532
0.1699	0.1868	0.2040	0.2215	0.2392
0.2571	0.2753	0.2937	0.3124	0.3313
0.3504	0.3699	0.3895	0.4094	0.4296
0.4500	0.4706	0.4915	0.5126	0.5340
0.5556	0.5775	0.5996	0.6220	0.6446
0.6674	0.6904	0.7134	0.7366	0.7599
0.7834	0.8070	0.8306	0.8545	0.8784
0.9025	0.9267	0.9510	0.9754	1.0000

Hrad:

0.0512	0.0988	0.1424	0.1828	0.2202
0.2552	0.2880	0.3188	0.3480	0.3755
0.4018	0.4268	0.4507	0.4736	0.4956
0.5168	0.5372	0.5569	0.5760	0.5945
0.6125	0.6300	0.6470	0.6636	0.6798
0.6957	0.7112	0.7264	0.7412	0.7558
0.7702	0.7843	0.7981	0.8118	0.8252
0.8387	0.8519	0.8648	0.8774	0.8897
0.9018	0.9136	0.9251	0.9364	0.9475
0.9584	0.9691	0.9796	0.9899	1.0000

Width:

0.5828	0.5928	0.6028	0.6128	0.6229
0.6329	0.6429	0.6529	0.6629	0.6729
0.6829	0.6929	0.7029	0.7129	0.7229
0.7329	0.7430	0.7530	0.7630	0.7730
0.7830	0.7930	0.8030	0.8130	0.8230
0.8330	0.8430	0.8530	0.8631	0.8731
0.8831	0.8931	0.9031	0.9131	0.9231
0.9288	0.9339	0.9389	0.9440	0.9491
0.9542	0.9593	0.9644	0.9695	0.9746
0.9796	0.9847	0.9898	0.9949	1.0000

Transect Trous6

Area:

0.0118	0.0283	0.0451	0.0620	0.0790
0.0962	0.1136	0.1312	0.1489	0.1667
0.1848	0.2030	0.2213	0.2398	0.2585
0.2774	0.2964	0.3155	0.3349	0.3544
0.3740	0.3938	0.4138	0.4340	0.4543
0.4748	0.4954	0.5162	0.5371	0.5583
0.5795	0.6010	0.6226	0.6444	0.6662
0.6881	0.7101	0.7321	0.7542	0.7763
0.7984	0.8206	0.8429	0.8652	0.8875
0.9099	0.9324	0.9549	0.9774	1.0000

Hrad:

0.0350	0.0804	0.1222	0.1609	0.1969
0.2305	0.2619	0.2914	0.3192	0.3455
0.3704	0.3940	0.4165	0.4380	0.4585
0.4781	0.4969	0.5150	0.5325	0.5493
0.5655	0.5812	0.5964	0.6111	0.6253
0.6392	0.6527	0.6659	0.6787	0.6912
0.7033	0.7153	0.7269	0.7389	0.7571
0.7749	0.7925	0.8098	0.8269	0.8438

0.8604 0.8767 0.8929 0.9088 0.9245
0.9400 0.9553 0.9704 0.9853 1.0000
Width:
0.7292 0.7364 0.7435 0.7507 0.7579
0.7651 0.7723 0.7795 0.7867 0.7939
0.8011 0.8082 0.8154 0.8226 0.8298
0.8370 0.8442 0.8514 0.8586 0.8658
0.8730 0.8801 0.8873 0.8945 0.9017
0.9089 0.9161 0.9233 0.9305 0.9377
0.9449 0.9520 0.9592 0.9660 0.9681
0.9702 0.9724 0.9745 0.9766 0.9787
0.9809 0.9830 0.9851 0.9872 0.9894
0.9915 0.9936 0.9957 0.9979 1.0000

Transect Trous7
Area:
0.0061 0.0199 0.0341 0.0484 0.0629
0.0775 0.0924 0.1074 0.1226 0.1379
0.1534 0.1691 0.1850 0.2010 0.2172
0.2336 0.2501 0.2668 0.2837 0.3008
0.3180 0.3354 0.3530 0.3708 0.3887
0.4068 0.4250 0.4435 0.4621 0.4809
0.5003 0.5246 0.5503 0.5761 0.6020
0.6279 0.6539 0.6800 0.7062 0.7325
0.7589 0.7853 0.8119 0.8385 0.8652
0.8920 0.9189 0.9458 0.9729 1.0000
Hrad:
0.0247 0.0677 0.1102 0.1493 0.1854
0.2191 0.2504 0.2798 0.3074 0.3335
0.3581 0.3815 0.4037 0.4249 0.4452
0.4646 0.4832 0.5011 0.5183 0.5350
0.5510 0.5666 0.5817 0.5963 0.6105
0.6243 0.6378 0.6509 0.6637 0.6763
0.6876 0.6057 0.6299 0.6539 0.6775
0.7008 0.7239 0.7467 0.7691 0.7914
0.8133 0.8350 0.8564 0.8776 0.8986
0.9193 0.9398 0.9601 0.9802 1.0000
Width:
0.4484 0.5174 0.5237 0.5300 0.5363
0.5427 0.5490 0.5553 0.5616 0.5679
0.5743 0.5806 0.5869 0.5932 0.5995
0.6059 0.6122 0.6185 0.6248 0.6311
0.6375 0.6438 0.6501 0.6564 0.6627
0.6691 0.6754 0.6817 0.6880 0.6943
0.7926 0.9439 0.9470 0.9501 0.9533
0.9564 0.9595 0.9626 0.9657 0.9688
0.9720 0.9751 0.9782 0.9813 0.9844
0.9875 0.9907 0.9938 0.9969 1.0000

Transect Trous8
Area:
0.0033 0.0131 0.0288 0.0454 0.0621
0.0789 0.0957 0.1127 0.1298 0.1469
0.1642 0.1815 0.1989 0.2164 0.2341
0.2518 0.2696 0.2875 0.3054 0.3235
0.3417 0.3599 0.3783 0.3967 0.4153
0.4339 0.4526 0.4714 0.4903 0.5093

0.5287 0.5528 0.5770 0.6014 0.6257
0.6502 0.6746 0.6992 0.7237 0.7483
0.7730 0.7977 0.8225 0.8473 0.8722
0.8972 0.9223 0.9476 0.9730 1.0000
Hrad:
0.0295 0.0590 0.1005 0.1516 0.1987
0.2424 0.2829 0.3208 0.3562 0.3893
0.4206 0.4500 0.4778 0.5042 0.5292
0.5530 0.5756 0.5973 0.6179 0.6377
0.6567 0.6750 0.6925 0.7094 0.7256
0.7414 0.7565 0.7712 0.7855 0.7992
0.8119 0.7478 0.7738 0.7994 0.8247
0.8496 0.8742 0.8984 0.9222 0.9458
0.9690 0.9919 1.0145 1.0368 1.0588
1.0804 1.1016 1.1223 1.1426 1.0000
Width:
0.2136 0.4271 0.5388 0.5418 0.5448
0.5478 0.5508 0.5538 0.5568 0.5598
0.5628 0.5658 0.5688 0.5717 0.5747
0.5777 0.5807 0.5837 0.5867 0.5897
0.5927 0.5957 0.5987 0.6017 0.6047
0.6077 0.6107 0.6137 0.6166 0.6196
0.7171 0.7893 0.7909 0.7925 0.7941
0.7957 0.7973 0.7989 0.8005 0.8021
0.8037 0.8053 0.8069 0.8085 0.8101
0.8152 0.8203 0.8254 0.8305 1.0000

Transect XS1
Area:
0.0031 0.0099 0.0193 0.0310 0.0452
0.0613 0.0778 0.0944 0.1114 0.1285
0.1459 0.1635 0.1814 0.1995 0.2178
0.2363 0.2551 0.2741 0.2934 0.3129
0.3326 0.3525 0.3727 0.3931 0.4137
0.4346 0.4557 0.4770 0.4986 0.5204
0.5424 0.5647 0.5872 0.6099 0.6329
0.6561 0.6795 0.7032 0.7271 0.7512
0.7754 0.7998 0.8243 0.8489 0.8738
0.8987 0.9238 0.9491 0.9745 1.0000
Hrad:
0.0178 0.0399 0.0590 0.0769 0.0942
0.1195 0.1480 0.1756 0.2023 0.2283
0.2536 0.2782 0.3021 0.3254 0.3482
0.3705 0.3922 0.4135 0.4343 0.4548
0.4748 0.4944 0.5137 0.5327 0.5513
0.5696 0.5876 0.6054 0.6229 0.6401
0.6571 0.6739 0.6904 0.7067 0.7229
0.7388 0.7546 0.7701 0.7856 0.8057
0.8257 0.8455 0.8653 0.8849 0.9043
0.9237 0.9430 0.9621 0.9811 1.0000
Width:
0.2207 0.3159 0.4110 0.5062 0.6014
0.6380 0.6471 0.6562 0.6652 0.6743
0.6834 0.6925 0.7015 0.7106 0.7197
0.7287 0.7378 0.7469 0.7559 0.7650
0.7741 0.7831 0.7922 0.8013 0.8104
0.8194 0.8285 0.8376 0.8466 0.8557

0.8648 0.8738 0.8829 0.8920 0.9011
0.9101 0.9192 0.9283 0.9373 0.9430
0.9487 0.9544 0.9601 0.9658 0.9715
0.9772 0.9829 0.9886 0.9943 1.0000

Transect XS10
Area:
0.0112 0.0249 0.0387 0.0526 0.0667
0.0809 0.0953 0.1097 0.1244 0.1392
0.1541 0.1691 0.1843 0.1997 0.2152
0.2308 0.2466 0.2625 0.2785 0.2947
0.3110 0.3275 0.3441 0.3609 0.3778
0.3948 0.4120 0.4293 0.4468 0.4644
0.4821 0.5000 0.5193 0.5440 0.5695
0.5951 0.6207 0.6464 0.6722 0.6981
0.7241 0.7502 0.7763 0.8025 0.8299
0.8595 0.8913 0.9253 0.9616 1.0000
Hrad:
0.0424 0.0908 0.1365 0.1799 0.2212
0.2604 0.2979 0.3337 0.3680 0.4009
0.4325 0.4630 0.4923 0.5206 0.5479
0.5744 0.6000 0.6248 0.6489 0.6724
0.6952 0.7174 0.7390 0.7601 0.7807
0.8008 0.8204 0.8397 0.8585 0.8769
0.8950 0.9128 0.8158 0.7789 0.8100
0.8408 0.8713 0.9016 0.9316 0.9613
0.9907 1.0199 1.0489 1.0769 1.0536
1.0354 1.0214 1.0112 1.0042 1.0000
Width:
0.3435 0.3471 0.3506 0.3542 0.3578
0.3613 0.3649 0.3684 0.3720 0.3756
0.3791 0.3827 0.3863 0.3898 0.3934
0.3970 0.4005 0.4041 0.4077 0.4112
0.4148 0.4184 0.4219 0.4255 0.4291
0.4326 0.4362 0.4398 0.4433 0.4469
0.4505 0.4540 0.5655 0.6434 0.6454
0.6475 0.6496 0.6517 0.6538 0.6559
0.6579 0.6600 0.6621 0.6649 0.7207
0.7766 0.8324 0.8883 0.9441 1.0000

Transect XS11
Area:
0.0103 0.0224 0.0348 0.0476 0.0608
0.0744 0.0883 0.1025 0.1172 0.1322
0.1475 0.1632 0.1793 0.1957 0.2125
0.2297 0.2472 0.2651 0.2833 0.3019
0.3209 0.3403 0.3599 0.3800 0.4004
0.4212 0.4423 0.4638 0.4857 0.5079
0.5305 0.5535 0.5768 0.6005 0.6245
0.6488 0.6733 0.6978 0.7224 0.7472
0.7720 0.7969 0.8220 0.8471 0.8723
0.8977 0.9231 0.9486 0.9743 1.0000
Hrad:
0.0392 0.0805 0.1186 0.1540 0.1872
0.2183 0.2477 0.2756 0.3022 0.3276
0.3520 0.3755 0.3981 0.4200 0.4412
0.4618 0.4818 0.5013 0.5204 0.5391

0.5573 0.5752 0.5928 0.6101 0.6271
0.6438 0.6603 0.6766 0.6927 0.7085
0.7242 0.7397 0.7550 0.7702 0.7853
0.8016 0.8180 0.8340 0.8496 0.8649
0.8798 0.8943 0.9085 0.9224 0.9360
0.9494 0.9624 0.9752 0.9877 1.0000
Width:
0.4621 0.4761 0.4902 0.5042 0.5183
0.5323 0.5463 0.5604 0.5744 0.5884
0.6025 0.6165 0.6306 0.6446 0.6586
0.6727 0.6867 0.7008 0.7148 0.7288
0.7429 0.7569 0.7709 0.7850 0.7990
0.8131 0.8271 0.8411 0.8552 0.8692
0.8832 0.8973 0.9113 0.9254 0.9394
0.9460 0.9499 0.9537 0.9576 0.9614
0.9653 0.9691 0.9730 0.9769 0.9807
0.9846 0.9884 0.9923 0.9961 1.0000

Transect XS13
Area:
0.0017 0.0067 0.0151 0.0269 0.0418
0.0579 0.0741 0.0905 0.1071 0.1239
0.1409 0.1580 0.1754 0.1930 0.2108
0.2288 0.2469 0.2653 0.2838 0.3026
0.3215 0.3407 0.3600 0.3796 0.3993
0.4192 0.4394 0.4597 0.4802 0.5009
0.5218 0.5429 0.5642 0.5857 0.6074
0.6293 0.6514 0.6737 0.6961 0.7188
0.7417 0.7647 0.7880 0.8115 0.8351
0.8591 0.8865 0.9203 0.9586 1.0000
Hrad:
0.0261 0.0523 0.0784 0.1045 0.1369
0.1843 0.2299 0.2738 0.3161 0.3571
0.3966 0.4349 0.4721 0.5081 0.5432
0.5772 0.6104 0.6427 0.6742 0.7050
0.7350 0.7644 0.7932 0.8213 0.8489
0.8759 0.9025 0.9285 0.9541 0.9792
1.0039 1.0283 1.0522 1.0758 1.0990
1.1219 1.1445 1.1667 1.1887 1.2104
1.2318 1.2530 1.2739 1.2946 1.3151
1.2909 1.1643 1.0434 1.0187 1.0000
Width:
0.0781 0.1561 0.2342 0.3123 0.3700
0.3746 0.3791 0.3837 0.3882 0.3928
0.3973 0.4019 0.4065 0.4110 0.4156
0.4201 0.4247 0.4292 0.4338 0.4383
0.4429 0.4474 0.4520 0.4565 0.4611
0.4657 0.4702 0.4748 0.4793 0.4839
0.4884 0.4930 0.4975 0.5021 0.5066
0.5112 0.5157 0.5203 0.5249 0.5294
0.5340 0.5385 0.5431 0.5476 0.5522
0.5852 0.7023 0.8528 0.9264 1.0000

Transect XS14
Area:
0.0017 0.0067 0.0151 0.0269 0.0418
0.0579 0.0741 0.0905 0.1071 0.1239

0.1409 0.1580 0.1754 0.1930 0.2108
0.2288 0.2469 0.2653 0.2838 0.3026
0.3215 0.3407 0.3600 0.3796 0.3993
0.4192 0.4394 0.4597 0.4802 0.5009
0.5218 0.5429 0.5642 0.5857 0.6074
0.6293 0.6514 0.6737 0.6961 0.7188
0.7417 0.7647 0.7880 0.8115 0.8351
0.8591 0.8865 0.9203 0.9586 1.0000

Hrad:

0.0187 0.0374 0.0560 0.0747 0.0978
0.1317 0.1643 0.1957 0.2260 0.2552
0.2835 0.3109 0.3374 0.3632 0.3882
0.4126 0.4363 0.4594 0.4819 0.5039
0.5254 0.5464 0.5669 0.5871 0.6068
0.6261 0.6451 0.6637 0.6820 0.6999
0.7176 0.7350 0.7521 0.7689 0.7855
0.8019 0.8180 0.8340 0.8497 0.8652
0.8805 0.8956 0.9106 0.9254 0.9400
0.9562 0.9734 0.9858 0.9940 1.0000

Width:

0.0781 0.1561 0.2342 0.3123 0.3700
0.3746 0.3791 0.3837 0.3882 0.3928
0.3973 0.4019 0.4065 0.4110 0.4156
0.4201 0.4247 0.4292 0.4338 0.4383
0.4429 0.4474 0.4520 0.4565 0.4611
0.4657 0.4702 0.4748 0.4793 0.4839
0.4884 0.4930 0.4975 0.5021 0.5066
0.5112 0.5157 0.5203 0.5249 0.5294
0.5340 0.5385 0.5431 0.5476 0.5522
0.5852 0.7023 0.8528 0.9264 1.0000

Transect XS15

Area:

0.0010 0.0041 0.0092 0.0164 0.0255
0.0361 0.0475 0.0598 0.0730 0.0869
0.1011 0.1155 0.1302 0.1451 0.1602
0.1756 0.1912 0.2070 0.2231 0.2394
0.2560 0.2728 0.2898 0.3071 0.3246
0.3424 0.3604 0.3786 0.3971 0.4158
0.4347 0.4539 0.4734 0.4939 0.5153
0.5378 0.5619 0.5877 0.6153 0.6446
0.6756 0.7082 0.7417 0.7761 0.8113
0.8474 0.8843 0.9220 0.9606 1.0000

Hrad:

0.0185 0.0369 0.0554 0.0738 0.0930
0.1201 0.1455 0.1697 0.1928 0.2198
0.2484 0.2760 0.3027 0.3285 0.3536
0.3779 0.4015 0.4245 0.4469 0.4687
0.4901 0.5110 0.5314 0.5514 0.5710
0.5902 0.6091 0.6277 0.6459 0.6639
0.6816 0.6990 0.7196 0.7413 0.7612
0.7825 0.8042 0.8234 0.8405 0.8557
0.8693 0.8827 0.8968 0.9112 0.9257
0.9404 0.9551 0.9700 0.9850 1.0000

Width:

0.0513 0.1026 0.1539 0.2052 0.2543
0.2761 0.2979 0.3196 0.3414 0.3530

0.3590 0.3650 0.3709 0.3769 0.3829
0.3888 0.3948 0.4008 0.4068 0.4127
0.4187 0.4247 0.4307 0.4366 0.4426
0.4486 0.4545 0.4605 0.4665 0.4725
0.4784 0.4844 0.5008 0.5253 0.5498
0.5839 0.6271 0.6704 0.7136 0.7569
0.8002 0.8312 0.8523 0.8734 0.8945
0.9156 0.9367 0.9578 0.9789 1.0000

Transect XS16
Area:
0.0009 0.0036 0.0081 0.0144 0.0225
0.0324 0.0440 0.0572 0.0711 0.0853
0.0999 0.1149 0.1302 0.1459 0.1619
0.1783 0.1951 0.2123 0.2298 0.2476
0.2658 0.2844 0.3034 0.3227 0.3424
0.3624 0.3828 0.4036 0.4247 0.4462
0.4681 0.4903 0.5129 0.5358 0.5591
0.5828 0.6069 0.6313 0.6560 0.6811
0.7066 0.7325 0.7588 0.7865 0.8155
0.8459 0.8776 0.9108 0.9484 1.0000
Hrad:
0.0290 0.0580 0.0870 0.1160 0.1451
0.1741 0.2031 0.2418 0.2892 0.3346
0.3783 0.4204 0.4611 0.5005 0.5387
0.5758 0.6119 0.6471 0.6814 0.7151
0.7480 0.7802 0.8118 0.8429 0.8735
0.9036 0.9332 0.9624 0.9911 1.0196
1.0476 1.0754 1.1028 1.1300 1.1568
1.1834 1.2098 1.2359 1.2618 1.2875
1.3130 1.3383 1.3441 1.3354 1.3297
1.3266 1.3258 1.3271 0.9691 1.0000
Width:
0.0345 0.0690 0.1035 0.1380 0.1725
0.2070 0.2415 0.2626 0.2697 0.2767
0.2836 0.2906 0.2975 0.3045 0.3115
0.3184 0.3254 0.3324 0.3393 0.3463
0.3533 0.3602 0.3672 0.3742 0.3811
0.3881 0.3951 0.4020 0.4090 0.4160
0.4229 0.4299 0.4369 0.4438 0.4508
0.4578 0.4647 0.4717 0.4787 0.4856
0.4926 0.4996 0.5169 0.5434 0.5699
0.5963 0.6228 0.6493 0.9795 1.0000

Transect XS17
Area:
0.0017 0.0070 0.0146 0.0240 0.0343
0.0451 0.0565 0.0684 0.0809 0.0938
0.1074 0.1214 0.1360 0.1509 0.1662
0.1818 0.1978 0.2140 0.2307 0.2477
0.2650 0.2827 0.3007 0.3191 0.3378
0.3568 0.3762 0.3960 0.4160 0.4366
0.4599 0.4862 0.5129 0.5398 0.5669
0.5942 0.6216 0.6493 0.6772 0.7052
0.7335 0.7619 0.7905 0.8194 0.8484
0.8776 0.9073 0.9376 0.9685 1.0000
Hrad:

0.0169 0.0347 0.0575 0.0804 0.1081
0.1344 0.1595 0.1835 0.2067 0.2291
0.2509 0.2720 0.2946 0.3176 0.3401
0.3620 0.3835 0.4045 0.4251 0.4453
0.4652 0.4847 0.5040 0.5229 0.5416
0.5600 0.5782 0.5962 0.6139 0.6325
0.6505 0.6641 0.6789 0.6946 0.7109
0.7277 0.7448 0.7621 0.7796 0.7973
0.8150 0.8327 0.8504 0.8682 0.8859
0.9059 0.9305 0.9544 0.9775 1.0000

Width:

0.1100 0.2136 0.2693 0.3151 0.3321
0.3491 0.3661 0.3832 0.4002 0.4172
0.4343 0.4513 0.4643 0.4751 0.4860
0.4968 0.5076 0.5185 0.5293 0.5401
0.5510 0.5618 0.5726 0.5835 0.5943
0.6051 0.6159 0.6268 0.6376 0.6720
0.7952 0.8375 0.8436 0.8497 0.8557
0.8618 0.8679 0.8740 0.8800 0.8861
0.8922 0.8983 0.9043 0.9104 0.9165
0.9264 0.9448 0.9632 0.9816 1.0000

Transect XS18

Area:

0.0011 0.0041 0.0083 0.0132 0.0191
0.0257 0.0332 0.0414 0.0501 0.0593
0.0690 0.0793 0.0900 0.1012 0.1130
0.1253 0.1388 0.1539 0.1704 0.1885
0.2082 0.2293 0.2517 0.2744 0.2974
0.3213 0.3454 0.3699 0.3947 0.4198
0.4453 0.4710 0.4971 0.5234 0.5501
0.5771 0.6045 0.6321 0.6600 0.6883
0.7169 0.7458 0.7750 0.8046 0.8351
0.8664 0.8985 0.9315 0.9653 1.0000

Hrad:

0.0166 0.0366 0.0588 0.0786 0.0971
0.1147 0.1318 0.1515 0.1710 0.1895
0.2074 0.2247 0.2415 0.2579 0.2739
0.2846 0.2843 0.2869 0.2917 0.2981
0.3059 0.3147 0.3343 0.3605 0.3869
0.4153 0.4434 0.4711 0.4986 0.5257
0.5526 0.5792 0.6055 0.6316 0.6574
0.6830 0.7084 0.7335 0.7585 0.7832
0.8077 0.8320 0.8561 0.8788 0.9002
0.9211 0.9416 0.9615 0.9810 1.0000

Width:

0.0603 0.1060 0.1297 0.1535 0.1773
0.2011 0.2249 0.2410 0.2554 0.2697
0.2841 0.2985 0.3128 0.3272 0.3415
0.3640 0.4072 0.4505 0.4938 0.5371
0.5803 0.6236 0.6440 0.6490 0.6747
0.6837 0.6927 0.7017 0.7107 0.7197
0.7286 0.7376 0.7466 0.7556 0.7646
0.7736 0.7826 0.7915 0.8005 0.8095
0.8185 0.8275 0.8365 0.8544 0.8787
0.9030 0.9272 0.9515 0.9757 1.0000

Transect XS19

Area:

0.0018	0.0059	0.0113	0.0178	0.0249
0.0326	0.0410	0.0500	0.0596	0.0699
0.0809	0.0924	0.1046	0.1175	0.1310
0.1450	0.1596	0.1746	0.1900	0.2060
0.2223	0.2392	0.2565	0.2743	0.2925
0.3112	0.3304	0.3508	0.3729	0.3969
0.4226	0.4498	0.4775	0.5055	0.5337
0.5621	0.5909	0.6198	0.6490	0.6785
0.7082	0.7381	0.7683	0.7989	0.8302
0.8624	0.8955	0.9294	0.9643	1.0000

Hrad:

0.0222	0.0533	0.0799	0.1110	0.1403
0.1678	0.1938	0.2188	0.2429	0.2663
0.2891	0.3115	0.3335	0.3551	0.3765
0.4003	0.4245	0.4481	0.4714	0.4942
0.5167	0.5388	0.5606	0.5821	0.6034
0.6245	0.6415	0.6303	0.6236	0.6205
0.6204	0.6358	0.6642	0.6920	0.7193
0.7460	0.7723	0.7982	0.8236	0.8486
0.8732	0.8974	0.9212	0.9377	0.9471
0.9569	0.9671	0.9777	0.9887	1.0000

Width:

0.0966	0.1323	0.1680	0.1873	0.2050
0.2227	0.2403	0.2580	0.2757	0.2933
0.3110	0.3287	0.3463	0.3640	0.3817
0.3957	0.4084	0.4212	0.4340	0.4468
0.4595	0.4723	0.4851	0.4978	0.5106
0.5234	0.5400	0.5888	0.6375	0.6862
0.7350	0.7626	0.7695	0.7764	0.7833
0.7903	0.7972	0.8041	0.8110	0.8180
0.8249	0.8318	0.8388	0.8541	0.8784
0.9027	0.9271	0.9514	0.9757	1.0000

Transect XS2

Area:

0.0032	0.0128	0.0270	0.0417	0.0567
0.0719	0.0874	0.1031	0.1192	0.1354
0.1520	0.1688	0.1858	0.2032	0.2207
0.2386	0.2567	0.2751	0.2937	0.3126
0.3318	0.3512	0.3709	0.3908	0.4111
0.4315	0.4523	0.4733	0.4945	0.5160
0.5378	0.5599	0.5822	0.6048	0.6276
0.6507	0.6741	0.6977	0.7216	0.7457
0.7701	0.7948	0.8197	0.8449	0.8704
0.8960	0.9217	0.9477	0.9738	1.0000

Hrad:

0.0151	0.0303	0.0559	0.0843	0.1119
0.1388	0.1649	0.1905	0.2155	0.2398
0.2637	0.2871	0.3100	0.3325	0.3545
0.3762	0.3974	0.4184	0.4390	0.4593
0.4792	0.4989	0.5184	0.5375	0.5564
0.5751	0.5936	0.6118	0.6299	0.6477
0.6654	0.6828	0.7001	0.7173	0.7342
0.7511	0.7678	0.7843	0.8007	0.8170
0.8331	0.8492	0.8651	0.8809	0.8998

0.9200 0.9402 0.9602 0.9802 1.0000
Width:
0.2426 0.4852 0.5534 0.5633 0.5733
0.5833 0.5932 0.6032 0.6132 0.6231
0.6331 0.6431 0.6530 0.6630 0.6730
0.6829 0.6929 0.7029 0.7128 0.7228
0.7328 0.7427 0.7527 0.7627 0.7727
0.7826 0.7926 0.8026 0.8125 0.8225
0.8325 0.8424 0.8524 0.8624 0.8723
0.8823 0.8923 0.9022 0.9122 0.9222
0.9321 0.9421 0.9521 0.9620 0.9694
0.9755 0.9816 0.9878 0.9939 1.0000

Transect XS20
Area:
0.0049 0.0168 0.0292 0.0419 0.0549
0.0681 0.0815 0.0953 0.1092 0.1235
0.1380 0.1527 0.1678 0.1830 0.1986
0.2144 0.2304 0.2467 0.2633 0.2802
0.2972 0.3146 0.3322 0.3501 0.3682
0.3866 0.4052 0.4241 0.4433 0.4627
0.4824 0.5024 0.5232 0.5450 0.5680
0.5919 0.6170 0.6430 0.6702 0.6984
0.7270 0.7558 0.7849 0.8145 0.8444
0.8747 0.9054 0.9365 0.9681 1.0000
Hrad:
0.0191 0.0518 0.0874 0.1216 0.1547
0.1867 0.2176 0.2476 0.2767 0.3051
0.3327 0.3595 0.3858 0.4114 0.4365
0.4611 0.4851 0.5088 0.5319 0.5547
0.5771 0.5991 0.6208 0.6421 0.6632
0.6839 0.7044 0.7246 0.7446 0.7644
0.7839 0.7970 0.7930 0.7908 0.7903
0.7912 0.7934 0.7968 0.8012 0.8100
0.8345 0.8574 0.8757 0.8939 0.9119
0.9298 0.9475 0.9651 0.9826 1.0000
Width:
0.3066 0.3828 0.3909 0.3990 0.4070
0.4151 0.4232 0.4312 0.4393 0.4473
0.4554 0.4635 0.4715 0.4796 0.4877
0.4957 0.5038 0.5118 0.5199 0.5280
0.5360 0.5441 0.5522 0.5602 0.5683
0.5763 0.5844 0.5925 0.6005 0.6086
0.6167 0.6310 0.6639 0.6968 0.7298
0.7627 0.7956 0.8285 0.8615 0.8892
0.8938 0.9001 0.9126 0.9251 0.9376
0.9500 0.9625 0.9750 0.9875 1.0000

Transect XS21
Area:
0.0006 0.0025 0.0057 0.0101 0.0158
0.0228 0.0310 0.0405 0.0513 0.0634
0.0767 0.0910 0.1058 0.1210 0.1366
0.1525 0.1688 0.1855 0.2025 0.2200
0.2378 0.2560 0.2745 0.2935 0.3128
0.3325 0.3529 0.3757 0.3998 0.4241
0.4487 0.4737 0.4989 0.5245 0.5503

0.5765 0.6030 0.6297 0.6568 0.6842
0.7122 0.7411 0.7707 0.8011 0.8323
0.8643 0.8970 0.9306 0.9649 1.0000

Hrad:

0.0157 0.0314 0.0470 0.0627 0.0784
0.0941 0.1098 0.1254 0.1411 0.1568
0.1725 0.1948 0.2196 0.2438 0.2674
0.2903 0.3128 0.3347 0.3562 0.3773
0.3979 0.4183 0.4383 0.4579 0.4773
0.4964 0.5146 0.5293 0.5464 0.5642
0.5825 0.6012 0.6201 0.6393 0.6587
0.6782 0.6978 0.7175 0.7372 0.7601
0.7876 0.8142 0.8399 0.8647 0.8889
0.9123 0.9350 0.9572 0.9789 1.0000

Width:

0.0357 0.0714 0.1071 0.1428 0.1785
0.2142 0.2499 0.2856 0.3214 0.3571
0.3928 0.4116 0.4222 0.4328 0.4435
0.4541 0.4647 0.4753 0.4859 0.4966
0.5072 0.5178 0.5284 0.5390 0.5497
0.5603 0.6055 0.6733 0.6818 0.6903
0.6987 0.7072 0.7157 0.7242 0.7327
0.7412 0.7497 0.7581 0.7666 0.7800
0.8020 0.8240 0.8460 0.8680 0.8900
0.9120 0.9340 0.9560 0.9780 1.0000

Transect XS22

Area:

0.0014 0.0053 0.0106 0.0172 0.0249
0.0333 0.0422 0.0517 0.0617 0.0723
0.0834 0.0952 0.1074 0.1202 0.1336
0.1475 0.1620 0.1770 0.1926 0.2088
0.2255 0.2428 0.2606 0.2790 0.2979
0.3174 0.3374 0.3580 0.3792 0.4009
0.4232 0.4460 0.4694 0.4934 0.5179
0.5429 0.5685 0.5950 0.6224 0.6508
0.6801 0.7104 0.7416 0.7740 0.8080
0.8438 0.8812 0.9198 0.9594 1.0000

Hrad:

0.0213 0.0490 0.0758 0.1006 0.1304
0.1625 0.1930 0.2223 0.2506 0.2780
0.3047 0.3307 0.3562 0.3813 0.4059
0.4302 0.4541 0.4778 0.5012 0.5244
0.5474 0.5702 0.5928 0.6153 0.6377
0.6599 0.6820 0.7040 0.7259 0.7477
0.7694 0.7911 0.8127 0.8342 0.8556
0.8770 0.8949 0.9043 0.9145 0.9253
0.9368 0.9488 0.9614 0.9585 0.9537
0.9513 0.9553 0.9700 0.9849 1.0000

Width:

0.0691 0.1123 0.1443 0.1762 0.1967
0.2103 0.2238 0.2373 0.2509 0.2644
0.2779 0.2915 0.3050 0.3185 0.3321
0.3456 0.3592 0.3727 0.3862 0.3998
0.4133 0.4268 0.4404 0.4539 0.4675
0.4810 0.4945 0.5081 0.5216 0.5351
0.5487 0.5622 0.5757 0.5893 0.6028

0.6164 0.6325 0.6556 0.6786 0.7016
0.7247 0.7477 0.7708 0.8082 0.8495
0.8908 0.9267 0.9512 0.9756 1.0000

Transect XS23
Area:
0.0025 0.0097 0.0182 0.0276 0.0379
0.0489 0.0609 0.0737 0.0871 0.1009
0.1149 0.1292 0.1437 0.1585 0.1736
0.1889 0.2045 0.2204 0.2365 0.2529
0.2695 0.2864 0.3035 0.3210 0.3386
0.3566 0.3748 0.3932 0.4120 0.4310
0.4502 0.4697 0.4895 0.5095 0.5298
0.5510 0.5751 0.6025 0.6328 0.6640
0.6956 0.7277 0.7602 0.7931 0.8265
0.8603 0.8946 0.9293 0.9644 1.0000
Hrad:
0.0157 0.0372 0.0632 0.0873 0.1099
0.1313 0.1519 0.1717 0.1961 0.2220
0.2474 0.2721 0.2964 0.3203 0.3437
0.3666 0.3892 0.4114 0.4333 0.4548
0.4760 0.4970 0.5176 0.5380 0.5581
0.5780 0.5977 0.6171 0.6364 0.6554
0.6743 0.6930 0.7115 0.7298 0.7480
0.7695 0.7916 0.8085 0.8217 0.8357
0.8506 0.8660 0.8820 0.8983 0.9149
0.9317 0.9486 0.9657 0.9828 1.0000
Width:
0.1418 0.2270 0.2507 0.2743 0.2980
0.3216 0.3453 0.3689 0.3808 0.3881
0.3954 0.4027 0.4100 0.4173 0.4246
0.4319 0.4392 0.4465 0.4538 0.4611
0.4684 0.4757 0.4830 0.4903 0.4976
0.5049 0.5122 0.5195 0.5269 0.5342
0.5415 0.5488 0.5561 0.5634 0.5707
0.6287 0.7192 0.8098 0.8655 0.8777
0.8899 0.9022 0.9144 0.9266 0.9388
0.9511 0.9633 0.9755 0.9878 1.0000

Transect XS24
Area:
0.0067 0.0174 0.0297 0.0423 0.0551
0.0683 0.0818 0.0956 0.1096 0.1240
0.1386 0.1536 0.1689 0.1844 0.2002
0.2164 0.2328 0.2496 0.2666 0.2839
0.3015 0.3195 0.3377 0.3562 0.3750
0.3941 0.4135 0.4332 0.4532 0.4735
0.4941 0.5150 0.5361 0.5576 0.5794
0.6015 0.6238 0.6465 0.6695 0.6927
0.7163 0.7402 0.7660 0.7938 0.8238
0.8559 0.8903 0.9258 0.9624 1.0000
Hrad:
0.0246 0.0472 0.0779 0.1076 0.1362
0.1639 0.1907 0.2167 0.2421 0.2667
0.2907 0.3142 0.3371 0.3595 0.3814
0.4030 0.4241 0.4448 0.4652 0.4853
0.5051 0.5245 0.5437 0.5626 0.5813

0.5998 0.6180 0.6360 0.6538 0.6715
0.6889 0.7062 0.7234 0.7403 0.7572
0.7739 0.7904 0.8068 0.8232 0.8394
0.8554 0.8738 0.8936 0.9105 0.9248
0.9376 0.9534 0.9691 0.9847 1.0000
Width:
0.2354 0.3187 0.3264 0.3342 0.3420
0.3498 0.3576 0.3654 0.3731 0.3809
0.3887 0.3965 0.4043 0.4120 0.4198
0.4276 0.4354 0.4432 0.4510 0.4587
0.4665 0.4743 0.4821 0.4899 0.4976
0.5054 0.5132 0.5210 0.5288 0.5366
0.5443 0.5521 0.5599 0.5677 0.5755
0.5832 0.5910 0.5988 0.6066 0.6144
0.6222 0.6482 0.7034 0.7587 0.8140
0.8726 0.9205 0.9470 0.9735 1.0000

Transect XS25
Area:
0.0009 0.0036 0.0082 0.0146 0.0228
0.0326 0.0429 0.0537 0.0648 0.0764
0.0883 0.1007 0.1134 0.1266 0.1401
0.1541 0.1684 0.1832 0.1983 0.2139
0.2298 0.2462 0.2629 0.2801 0.2976
0.3156 0.3339 0.3527 0.3718 0.3914
0.4113 0.4316 0.4525 0.4744 0.4977
0.5223 0.5482 0.5754 0.6040 0.6339
0.6651 0.6976 0.7314 0.7662 0.8023
0.8395 0.8779 0.9174 0.9581 1.0000
Hrad:
0.0217 0.0434 0.0651 0.0868 0.1085
0.1391 0.1758 0.2111 0.2452 0.2783
0.3104 0.3418 0.3723 0.4022 0.4315
0.4602 0.4884 0.5161 0.5434 0.5702
0.5968 0.6229 0.6488 0.6744 0.6997
0.7248 0.7496 0.7742 0.7986 0.8228
0.8469 0.8707 0.8816 0.8721 0.8660
0.8627 0.8617 0.8629 0.8658 0.8703
0.8762 0.8858 0.8983 0.9114 0.9251
0.9392 0.9538 0.9689 0.9843 1.0000
Width:
0.0429 0.0858 0.1287 0.1717 0.2146
0.2390 0.2484 0.2578 0.2673 0.2767
0.2861 0.2955 0.3049 0.3144 0.3238
0.3332 0.3426 0.3521 0.3615 0.3709
0.3803 0.3897 0.3992 0.4086 0.4180
0.4274 0.4368 0.4463 0.4557 0.4651
0.4745 0.4839 0.5012 0.5324 0.5636
0.5948 0.6260 0.6573 0.6885 0.7197
0.7509 0.7802 0.8077 0.8351 0.8626
0.8901 0.9176 0.9450 0.9725 1.0000

Transect XS26
Area:
0.0007 0.0029 0.0065 0.0116 0.0182
0.0262 0.0355 0.0456 0.0564 0.0678
0.0799 0.0926 0.1060 0.1200 0.1347

0.1501 0.1661 0.1828 0.2001 0.2181
0.2367 0.2561 0.2760 0.2967 0.3179
0.3399 0.3625 0.3857 0.4096 0.4342
0.4590 0.4843 0.5099 0.5359 0.5622
0.5889 0.6159 0.6433 0.6711 0.6992
0.7276 0.7565 0.7857 0.8152 0.8451
0.8754 0.9060 0.9370 0.9683 1.0000
Hrad:
0.0195 0.0389 0.0584 0.0779 0.0974
0.1168 0.1410 0.1683 0.1942 0.2191
0.2431 0.2663 0.2889 0.3109 0.3325
0.3537 0.3746 0.3951 0.4154 0.4354
0.4553 0.4749 0.4944 0.5137 0.5329
0.5520 0.5709 0.5898 0.6085 0.6292
0.6507 0.6717 0.6923 0.7126 0.7325
0.7521 0.7713 0.7903 0.8090 0.8274
0.8456 0.8635 0.8813 0.8988 0.9161
0.9332 0.9502 0.9669 0.9835 1.0000
Width:
0.0456 0.0912 0.1369 0.1825 0.2281
0.2737 0.3064 0.3271 0.3477 0.3684
0.3890 0.4097 0.4303 0.4510 0.4716
0.4922 0.5129 0.5335 0.5542 0.5748
0.5955 0.6161 0.6368 0.6574 0.6781
0.6987 0.7193 0.7400 0.7606 0.7753
0.7865 0.7977 0.8090 0.8202 0.8315
0.8427 0.8539 0.8652 0.8764 0.8876
0.8989 0.9101 0.9213 0.9326 0.9438
0.9551 0.9663 0.9775 0.9888 1.0000

Transect XS27
Area:
0.0015 0.0058 0.0131 0.0232 0.0355
0.0484 0.0616 0.0752 0.0892 0.1037
0.1186 0.1338 0.1495 0.1656 0.1821
0.1990 0.2163 0.2341 0.2522 0.2708
0.2897 0.3091 0.3289 0.3491 0.3697
0.3907 0.4121 0.4340 0.4562 0.4789
0.5019 0.5254 0.5493 0.5735 0.5981
0.6229 0.6480 0.6734 0.6991 0.7251
0.7513 0.7778 0.8046 0.8317 0.8590
0.8867 0.9146 0.9428 0.9712 1.0000
Hrad:
0.0189 0.0378 0.0567 0.0757 0.1056
0.1376 0.1679 0.1970 0.2249 0.2517
0.2776 0.3027 0.3270 0.3506 0.3736
0.3961 0.4180 0.4394 0.4604 0.4810
0.5013 0.5212 0.5408 0.5601 0.5791
0.5979 0.6165 0.6348 0.6529 0.6708
0.6886 0.7062 0.7236 0.7414 0.7593
0.7768 0.7942 0.8112 0.8280 0.8446
0.8610 0.8771 0.8931 0.9089 0.9244
0.9399 0.9551 0.9702 0.9852 1.0000
Width:
0.1004 0.2008 0.3013 0.4017 0.4362
0.4504 0.4646 0.4788 0.4930 0.5072
0.5214 0.5356 0.5498 0.5640 0.5782

0.5924 0.6066 0.6208 0.6350 0.6492
0.6634 0.6776 0.6918 0.7060 0.7202
0.7344 0.7486 0.7628 0.7770 0.7912
0.8054 0.8196 0.8338 0.8449 0.8546
0.8643 0.8740 0.8837 0.8934 0.9031
0.9128 0.9225 0.9322 0.9418 0.9515
0.9612 0.9709 0.9806 0.9903 1.0000

Transect XS28
Area:
0.0008 0.0034 0.0075 0.0134 0.0209
0.0302 0.0411 0.0535 0.0669 0.0811
0.0962 0.1117 0.1275 0.1435 0.1598
0.1763 0.1931 0.2101 0.2274 0.2450
0.2628 0.2808 0.2991 0.3176 0.3364
0.3555 0.3748 0.3943 0.4141 0.4342
0.4545 0.4750 0.4958 0.5169 0.5382
0.5603 0.5831 0.6067 0.6315 0.6579
0.6859 0.7154 0.7466 0.7794 0.8137
0.8496 0.8862 0.9236 0.9616 1.0000
Hrad:
0.0253 0.0506 0.0759 0.1012 0.1264
0.1517 0.1770 0.2073 0.2417 0.2744
0.3061 0.3446 0.3815 0.4170 0.4512
0.4842 0.5161 0.5470 0.5769 0.6060
0.6343 0.6619 0.6887 0.7149 0.7405
0.7656 0.7901 0.8141 0.8377 0.8608
0.8835 0.9059 0.9278 0.9494 0.9706
0.9905 1.0090 1.0262 1.0212 1.0172
1.0144 1.0129 1.0126 1.0134 1.0152
1.0254 1.0457 1.0654 1.0851 1.0000
Width:
0.0435 0.0869 0.1304 0.1739 0.2173
0.2608 0.3043 0.3370 0.3580 0.3790
0.3995 0.4061 0.4126 0.4191 0.4256
0.4321 0.4386 0.4452 0.4517 0.4582
0.4647 0.4712 0.4777 0.4843 0.4908
0.4973 0.5038 0.5103 0.5169 0.5234
0.5299 0.5364 0.5429 0.5494 0.5608
0.5815 0.6022 0.6230 0.6639 0.7052
0.7464 0.7877 0.8289 0.8702 0.9114
0.9428 0.9603 0.9779 0.9915 1.0000

Transect XS29
Area:
0.0007 0.0026 0.0059 0.0105 0.0164
0.0236 0.0321 0.0419 0.0529 0.0646
0.0769 0.0900 0.1037 0.1181 0.1332
0.1489 0.1654 0.1824 0.1998 0.2176
0.2356 0.2541 0.2728 0.2919 0.3114
0.3312 0.3514 0.3719 0.3927 0.4139
0.4355 0.4573 0.4796 0.5021 0.5251
0.5483 0.5720 0.5959 0.6203 0.6462
0.6738 0.7030 0.7338 0.7663 0.8005
0.8364 0.8739 0.9136 0.9560 1.0000
Hrad:
0.0231 0.0461 0.0692 0.0922 0.1153

0.1383 0.1614 0.1844 0.2148 0.2468
0.2776 0.3075 0.3366 0.3651 0.3930
0.4204 0.4473 0.4801 0.5140 0.5473
0.5801 0.6123 0.6440 0.6752 0.7059
0.7362 0.7662 0.7957 0.8249 0.8538
0.8823 0.9105 0.9385 0.9661 0.9935
1.0207 1.0476 1.0743 1.0782 1.0565
1.0398 1.0273 1.0183 1.0124 1.0091
1.0081 1.0067 0.9881 0.9797 1.0000

Width:

0.0294 0.0588 0.0882 0.1176 0.1470
0.1763 0.2057 0.2351 0.2542 0.2695
0.2848 0.3001 0.3154 0.3307 0.3460
0.3614 0.3767 0.3861 0.3939 0.4016
0.4094 0.4172 0.4249 0.4327 0.4404
0.4482 0.4560 0.4637 0.4715 0.4792
0.4870 0.4948 0.5025 0.5103 0.5180
0.5258 0.5336 0.5413 0.5618 0.5991
0.6363 0.6736 0.7108 0.7480 0.7853
0.8225 0.8620 0.9212 0.9747 1.0000

Transect XS3

Area:

0.0013 0.0052 0.0118 0.0210 0.0328
0.0472 0.0643 0.0829 0.1019 0.1211
0.1404 0.1598 0.1794 0.1991 0.2190
0.2390 0.2591 0.2794 0.2999 0.3204
0.3411 0.3620 0.3830 0.4041 0.4254
0.4468 0.4684 0.4901 0.5119 0.5339
0.5560 0.5783 0.6007 0.6232 0.6459
0.6687 0.6917 0.7148 0.7380 0.7614
0.7849 0.8086 0.8324 0.8562 0.8801
0.9040 0.9279 0.9519 0.9759 1.0000

Hrad:

0.0141 0.0282 0.0423 0.0565 0.0706
0.0847 0.1000 0.1230 0.1495 0.1755
0.2011 0.2263 0.2512 0.2757 0.2999
0.3237 0.3472 0.3703 0.3932 0.4158
0.4381 0.4601 0.4818 0.5033 0.5245
0.5455 0.5662 0.5867 0.6070 0.6271
0.6469 0.6666 0.6860 0.7053 0.7243
0.7432 0.7619 0.7804 0.7988 0.8169
0.8349 0.8528 0.8716 0.8906 0.9093
0.9279 0.9462 0.9643 0.9823 1.0000

Width:

0.1090 0.2179 0.3269 0.4359 0.5449
0.6538 0.7532 0.7868 0.7926 0.7985
0.8043 0.8102 0.8160 0.8219 0.8277
0.8336 0.8394 0.8453 0.8511 0.8570
0.8628 0.8687 0.8745 0.8804 0.8862
0.8921 0.8980 0.9038 0.9097 0.9155
0.9214 0.9272 0.9331 0.9389 0.9448
0.9506 0.9565 0.9623 0.9682 0.9740
0.9799 0.9857 0.9883 0.9900 0.9917
0.9933 0.9950 0.9967 0.9983 1.0000

Transect XS4

Area:

0.0019	0.0075	0.0157	0.0251	0.0354
0.0467	0.0590	0.0723	0.0866	0.1019
0.1181	0.1351	0.1523	0.1698	0.1877
0.2058	0.2243	0.2430	0.2621	0.2814
0.3011	0.3210	0.3413	0.3618	0.3827
0.4039	0.4253	0.4471	0.4692	0.4916
0.5142	0.5372	0.5605	0.5841	0.6080
0.6321	0.6566	0.6814	0.7065	0.7319
0.7576	0.7836	0.8099	0.8365	0.8633
0.8903	0.9175	0.9448	0.9723	1.0000

Hrad:

0.0152	0.0304	0.0540	0.0770	0.0985
0.1187	0.1381	0.1568	0.1749	0.1926
0.2100	0.2350	0.2595	0.2836	0.3072
0.3303	0.3531	0.3754	0.3974	0.4191
0.4404	0.4615	0.4822	0.5027	0.5229
0.5428	0.5625	0.5820	0.6013	0.6204
0.6392	0.6579	0.6764	0.6947	0.7129
0.7309	0.7487	0.7664	0.7840	0.8014
0.8187	0.8359	0.8530	0.8712	0.8929
0.9146	0.9361	0.9575	0.9788	1.0000

Width:

0.1342	0.2683	0.3175	0.3534	0.3893
0.4251	0.4610	0.4969	0.5328	0.5686
0.6044	0.6153	0.6262	0.6371	0.6480
0.6589	0.6697	0.6806	0.6915	0.7024
0.7133	0.7242	0.7351	0.7460	0.7569
0.7677	0.7786	0.7895	0.8004	0.8113
0.8222	0.8331	0.8440	0.8549	0.8658
0.8766	0.8875	0.8984	0.9093	0.9202
0.9311	0.9420	0.9529	0.9626	0.9688
0.9750	0.9813	0.9875	0.9938	1.0000

Transect XS5

Area:

0.0015	0.0061	0.0138	0.0246	0.0384
0.0542	0.0703	0.0866	0.1032	0.1201
0.1372	0.1546	0.1723	0.1902	0.2083
0.2268	0.2454	0.2644	0.2836	0.3030
0.3228	0.3427	0.3630	0.3834	0.4042
0.4252	0.4465	0.4680	0.4898	0.5118
0.5341	0.5567	0.5795	0.6026	0.6259
0.6495	0.6732	0.6972	0.7213	0.7457
0.7702	0.7950	0.8199	0.8451	0.8704
0.8959	0.9216	0.9476	0.9737	1.0000

Hrad:

0.0164	0.0328	0.0492	0.0656	0.0821
0.1103	0.1392	0.1672	0.1942	0.2203
0.2456	0.2702	0.2941	0.3174	0.3401
0.3622	0.3837	0.4048	0.4254	0.4456
0.4653	0.4847	0.5037	0.5224	0.5407
0.5587	0.5764	0.5939	0.6111	0.6280
0.6447	0.6612	0.6774	0.6935	0.7094
0.7296	0.7497	0.7696	0.7895	0.8092
0.8287	0.8482	0.8675	0.8868	0.9059
0.9249	0.9439	0.9627	0.9814	1.0000

Width:

0.1162	0.2325	0.3487	0.4649	0.5811
0.6044	0.6142	0.6240	0.6338	0.6436
0.6534	0.6632	0.6729	0.6827	0.6925
0.7023	0.7121	0.7219	0.7317	0.7415
0.7513	0.7611	0.7709	0.7806	0.7904
0.8002	0.8100	0.8198	0.8296	0.8394
0.8492	0.8590	0.8688	0.8786	0.8883
0.8958	0.9032	0.9107	0.9181	0.9255
0.9330	0.9404	0.9479	0.9553	0.9628
0.9702	0.9777	0.9851	0.9926	1.0000

Transect XS6

Area:

0.0004	0.0016	0.0036	0.0063	0.0099
0.0142	0.0194	0.0253	0.0321	0.0396
0.0479	0.0570	0.0669	0.0776	0.0890
0.1013	0.1144	0.1282	0.1428	0.1583
0.1745	0.1915	0.2093	0.2279	0.2473
0.2675	0.2885	0.3102	0.3328	0.3561
0.3803	0.4052	0.4309	0.4574	0.4847
0.5128	0.5417	0.5714	0.6018	0.6331
0.6652	0.6983	0.7324	0.7676	0.8037
0.8409	0.8792	0.9184	0.9587	1.0000

Hrad:

0.0202	0.0405	0.0607	0.0810	0.1012
0.1215	0.1417	0.1619	0.1822	0.2024
0.2227	0.2429	0.2632	0.2834	0.3037
0.3239	0.3441	0.3644	0.3846	0.4049
0.4251	0.4454	0.4656	0.4858	0.5061
0.5263	0.5466	0.5668	0.5871	0.6073
0.6276	0.6478	0.6680	0.6883	0.7085
0.7288	0.7490	0.7693	0.7895	0.8097
0.8299	0.8497	0.8691	0.8882	0.9070
0.9255	0.9437	0.9617	0.9795	1.0000

Width:

0.0190	0.0380	0.0570	0.0759	0.0949
0.1139	0.1329	0.1519	0.1709	0.1899
0.2088	0.2278	0.2468	0.2658	0.2848
0.3038	0.3228	0.3417	0.3607	0.3797
0.3987	0.4177	0.4367	0.4556	0.4746
0.4936	0.5126	0.5316	0.5506	0.5696
0.5885	0.6075	0.6265	0.6455	0.6645
0.6835	0.7025	0.7214	0.7404	0.7597
0.7816	0.8062	0.8309	0.8555	0.8802
0.9048	0.9294	0.9541	0.9787	1.0000

Transect XS7

Area:

0.0004	0.0016	0.0035	0.0063	0.0098
0.0141	0.0192	0.0251	0.0317	0.0392
0.0474	0.0564	0.0662	0.0768	0.0882
0.1003	0.1132	0.1270	0.1414	0.1567
0.1728	0.1896	0.2073	0.2257	0.2449
0.2649	0.2856	0.3072	0.3295	0.3526
0.3765	0.4012	0.4267	0.4529	0.4800
0.5078	0.5364	0.5658	0.5960	0.6269

0.6588 0.6919 0.7262 0.7616 0.7983
0.8362 0.8754 0.9157 0.9572 1.0000
Hrad:
0.0206 0.0412 0.0617 0.0823 0.1029
0.1235 0.1441 0.1646 0.1852 0.2058
0.2264 0.2470 0.2675 0.2881 0.3087
0.3293 0.3499 0.3704 0.3910 0.4116
0.4322 0.4528 0.4733 0.4939 0.5145
0.5351 0.5557 0.5762 0.5968 0.6174
0.6380 0.6586 0.6791 0.6997 0.7203
0.7409 0.7615 0.7820 0.8026 0.8232
0.8435 0.8631 0.8819 0.9002 0.9178
0.9349 0.9515 0.9677 0.9834 1.0000
Width:
0.0181 0.0362 0.0543 0.0724 0.0905
0.1086 0.1267 0.1448 0.1629 0.1810
0.1991 0.2173 0.2354 0.2535 0.2716
0.2897 0.3078 0.3259 0.3440 0.3621
0.3802 0.3983 0.4164 0.4345 0.4526
0.4707 0.4888 0.5069 0.5250 0.5431
0.5612 0.5793 0.5974 0.6156 0.6337
0.6518 0.6699 0.6880 0.7061 0.7252
0.7498 0.7778 0.8058 0.8338 0.8618
0.8898 0.9178 0.9458 0.9738 1.0000

Transect XS8
Area:
0.0009 0.0035 0.0078 0.0139 0.0216
0.0312 0.0424 0.0554 0.0701 0.0866
0.1047 0.1247 0.1456 0.1668 0.1880
0.2094 0.2309 0.2525 0.2742 0.2961
0.3181 0.3402 0.3624 0.3848 0.4073
0.4299 0.4526 0.4755 0.4985 0.5216
0.5448 0.5682 0.5916 0.6152 0.6389
0.6627 0.6865 0.7103 0.7342 0.7581
0.7821 0.8061 0.8302 0.8543 0.8785
0.9027 0.9269 0.9512 0.9756 1.0000
Hrad:
0.0163 0.0326 0.0490 0.0653 0.0816
0.0979 0.1143 0.1306 0.1469 0.1632
0.1796 0.1959 0.2240 0.2527 0.2807
0.3082 0.3350 0.3613 0.3871 0.4123
0.4370 0.4612 0.4850 0.5083 0.5312
0.5537 0.5758 0.5975 0.6189 0.6399
0.6605 0.6808 0.7008 0.7205 0.7403
0.7597 0.7789 0.7976 0.8161 0.8342
0.8521 0.8696 0.8868 0.9038 0.9205
0.9369 0.9530 0.9689 0.9846 1.0000
Width:
0.0709 0.1418 0.2127 0.2835 0.3544
0.4253 0.4962 0.5671 0.6380 0.7089
0.7797 0.8506 0.8622 0.8673 0.8723
0.8774 0.8825 0.8876 0.8926 0.8977
0.9028 0.9079 0.9129 0.9180 0.9231
0.9282 0.9332 0.9383 0.9434 0.9485
0.9535 0.9586 0.9637 0.9688 0.9711
0.9730 0.9749 0.9768 0.9788 0.9807

```
            0.9826     0.9846     0.9865     0.9884     0.9904
            0.9923     0.9942     0.9961     0.9981     1.0000

Transect XS9
Area:
            0.0006     0.0026     0.0058     0.0103     0.0161
            0.0232     0.0316     0.0412     0.0522     0.0644
            0.0779     0.0926     0.1079     0.1239     0.1404
            0.1575     0.1753     0.1936     0.2125     0.2321
            0.2522     0.2728     0.2938     0.3152     0.3371
            0.3593     0.3819     0.4050     0.4284     0.4523
            0.4765     0.5012     0.5262     0.5517     0.5775
            0.6038     0.6305     0.6576     0.6850     0.7129
            0.7408     0.7690     0.7973     0.8258     0.8544
            0.8832     0.9122     0.9413     0.9706     1.0000
Hrad:
            0.0150     0.0301     0.0451     0.0602     0.0752
            0.0903     0.1053     0.1204     0.1354     0.1505
            0.1655     0.1854     0.2076     0.2293     0.2505
            0.2712     0.2916     0.3115     0.3312     0.3505
            0.3699     0.3920     0.4139     0.4355     0.4568
            0.4778     0.4986     0.5191     0.5395     0.5596
            0.5796     0.5993     0.6189     0.6383     0.6575
            0.6766     0.6955     0.7143     0.7330     0.7560
            0.7809     0.8058     0.8305     0.8551     0.8795
            0.9038     0.9281     0.9522     0.9761     1.0000
Width:
            0.0436     0.0873     0.1309     0.1746     0.2182
            0.2619     0.3055     0.3491     0.3928     0.4364
            0.4801     0.5093     0.5296     0.5499     0.5703
            0.5906     0.6110     0.6313     0.6516     0.6720
            0.6918     0.7055     0.7191     0.7328     0.7465
            0.7601     0.7738     0.7875     0.8011     0.8148
            0.8285     0.8421     0.8558     0.8695     0.8831
            0.8968     0.9105     0.9241     0.9378     0.9459
            0.9513     0.9567     0.9621     0.9675     0.9730
            0.9784     0.9838     0.9892     0.9946     1.0000


*********************************************************
NOTE: The summary statistics displayed in this report are
based on results found at every computational time step,
not just on results from each reporting time step.
*********************************************************

****************
Analysis Options
****************
Flow Units ..... CFS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ YES
  Water Quality .......... NO
```

Flow Routing Method ..... DYNWAVE
Surcharge Method ..... EXTRAN
Starting Date 11/01/2021 00:00:00
Ending Date 11/01/2021 12:00:00
Antecedent Dry Days 0.0
Report Time Step 00:03:00
Routing Time Step ..... 5.00 sec
Variable Time Step ..... YES
Maximum Trials 8
Number of Threads 6
Head Tolerance ..... 0.005000 ft

Flow Routing Continuity	Volume acre-feet	Volume 10^6 gal
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	0.000	0.000
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	77.213	25.161
External Outflow	76.125	24.806
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.001	0.000
Final Stored Volume	1.173	0.382
Continuity Error (%)	-0.108	

Highest Continuity Errors
Node J107 (5.87%)
Node J90 (-1.58%)

Time-Step Critical Elements
Link C145 (59.77%)
Link C4_1 (17.56%)
Link C103 (4.89%)
Link C177 (4.73%)
Link C79 (3.81%)

Highest Flow Instability Indexes
Link C4_1 (59)
Link C4 (46)
Link C4_2 (25)
Link C18 (19)
Link C19 (18)

****
Routing Time Step Summary
****

Minimum Time Step	:	0.50 sec
Average Time Step	:	0.94 sec
Maximum Time Step	:	5.00 sec
Percent in Steady State	:	-0.00
Average Iterations per Step	:	2.27
Percent Not Converging	:	1.61
Time Step Frequencies	:	
5.000 - 3.155 sec	:	1.51 %
3.155 - 1.991 sec	:	12.40 %
1.991 - 1.256 sec	:	8.18 %
1.256 - 0.792 sec	:	4.80 %
0.792 - 0.500 sec	:	73.11 %

****
Node Depth Summary
****

Node	Type	Average Depth Feet	Maximum Depth Feet	Maximum HGL Feet	Time of Max Occurrence days hr:min	Reported Max Depth Feet
J1	JUNCTION	0.90	2.75	851.14	0 03:28	2.75
J10	JUNCTION	0.88	3.93	882.97	0 03:13	3.90
J100	JUNCTION	0.49	1.42	907.03	0 03:10	1.41
J101	JUNCTION	1.75	7.76	971.04	0 03:09	7.76
J102	JUNCTION	0.34	1.30	999.49	0 03:03	1.30
J103	JUNCTION	0.04	0.12	996.13	0 03:03	0.12
J104	JUNCTION	0.27	3.22	983.31	0 03:02	2.65
J105	JUNCTION	0.32	3.47	982.55	0 03:03	3.42
J106	JUNCTION	1.12	5.39	982.33	0 03:09	5.39
J107	JUNCTION	0.04	0.43	991.21	0 03:07	0.43
J108	JUNCTION	2.58	11.28	1019.28	0 03:10	11.27
J109	JUNCTION	0.00	0.00	978.18	0 00:00	0.00
J11	JUNCTION	0.69	1.85	900.26	0 03:19	1.85
J110	JUNCTION	1.29	5.82	1019.82	0 03:09	5.82
J111	JUNCTION	2.73	11.48	1019.28	0 03:10	11.48
J112	JUNCTION	0.00	0.00	998.36	0 00:00	0.00
J113	JUNCTION	0.35	4.35	1041.59	0 03:08	4.35
J114	JUNCTION	0.00	0.00	891.30	0 00:00	0.00
J115	JUNCTION	0.00	0.00	892.11	0 00:00	0.00
J116	JUNCTION	0.00	0.00	894.30	0 00:00	0.00
J117	JUNCTION	1.34	4.77	886.86	0 03:09	4.77
J118	JUNCTION	0.42	1.24	892.03	0 03:06	1.24
J119	JUNCTION	0.62	1.48	892.11	0 03:06	1.48
J12	JUNCTION	0.50	1.47	897.42	0 03:09	1.47
J120	JUNCTION	0.26	1.02	892.49	0 03:06	1.02
J121	JUNCTION	0.01	0.36	892.49	0 03:06	0.36
J122	JUNCTION	0.17	0.66	894.57	0 03:06	0.66
J123	JUNCTION	0.00	0.00	893.13	0 00:00	0.00
J124	JUNCTION	0.00	0.00	893.48	0 00:00	0.00
J125	JUNCTION	0.26	1.04	882.69	0 03:06	1.04
J126	JUNCTION	0.45	2.36	879.98	0 03:06	2.35

J127	JUNCTION	0.00	0.00	884.30	0	00:00	0.00
J128	JUNCTION	0.00	0.00	882.80	0	00:00	0.00
J129	JUNCTION	0.26	1.03	878.08	0	03:06	1.03
J13	JUNCTION	0.88	4.85	865.21	0	03:12	4.67
J130	JUNCTION	0.38	1.83	864.70	0	03:05	1.83
J131	JUNCTION	0.28	1.34	863.00	0	03:12	1.32
J132	JUNCTION	0.50	2.13	994.03	0	03:09	2.10
J133	JUNCTION	0.47	3.89	987.68	0	03:09	3.69
J134	JUNCTION	2.17	2.42	1045.21	0	03:09	2.42
J135	JUNCTION	0.81	6.91	984.00	0	03:09	6.76
J136	JUNCTION	0.53	4.56	978.02	0	03:09	4.49
J137	JUNCTION	0.50	2.82	973.53	0	03:09	2.82
J138	JUNCTION	0.60	3.99	975.37	0	03:09	3.95
J139	JUNCTION	0.42	2.12	961.62	0	03:15	2.12
J14	JUNCTION	1.32	6.19	865.01	0	03:12	6.02
J140	JUNCTION	1.19	11.74	942.89	0	03:17	11.74
J141	JUNCTION	0.71	3.90	933.39	0	03:17	3.90
J142	JUNCTION	0.32	9.14	1056.10	0	03:11	9.14
J143	JUNCTION	0.47	2.71	1036.68	0	03:12	2.71
J144	JUNCTION	0.45	4.27	971.04	0	03:09	4.27
J145	JUNCTION	0.34	3.41	971.06	0	03:09	3.38
J146	JUNCTION	0.34	3.40	971.05	0	03:09	3.38
J147	JUNCTION	0.59	9.85	1056.10	0	03:11	9.85
J148	JUNCTION	0.77	1.65	930.73	0	03:09	1.65
J149	JUNCTION	0.13	2.12	1076.00	0	03:08	2.12
J15	JUNCTION	0.78	3.72	862.16	0	03:12	3.63
J150	JUNCTION	0.77	10.10	1056.10	0	03:12	10.09
J151	JUNCTION	0.58	1.19	997.69	0	03:48	1.19
J152	JUNCTION	0.27	2.92	985.50	0	03:36	2.73
J153	JUNCTION	1.75	6.16	985.48	0	03:35	5.98
J154	JUNCTION	0.55	2.72	979.53	0	03:09	2.66
J155	JUNCTION	0.60	3.53	980.69	0	03:09	3.44
J156	JUNCTION	0.39	3.17	981.81	0	03:10	3.06
J157	JUNCTION	0.43	2.79	983.56	0	03:10	2.65
J158	JUNCTION	1.53	2.83	983.63	0	03:09	2.82
J159	JUNCTION	0.44	2.42	1004.58	0	03:09	2.41
J16	JUNCTION	1.27	4.82	861.75	0	03:12	4.72
J160	JUNCTION	0.00	0.00	1029.71	0	00:00	0.00
J161	JUNCTION	0.00	0.00	1014.00	0	00:00	0.00
J162	JUNCTION	0.83	3.71	1007.69	0	03:09	3.71
J163	JUNCTION	0.00	0.00	1008.97	0	00:00	0.00
J164	JUNCTION	0.00	0.00	1009.11	0	00:00	0.00
J165	JUNCTION	0.00	0.00	1011.41	0	00:00	0.00
J166	JUNCTION	0.25	1.27	977.27	0	03:10	1.26
J167	JUNCTION	0.16	0.69	966.61	0	03:10	0.69
J168	JUNCTION	0.00	0.00	912.61	0	00:00	0.00
J169	JUNCTION	0.00	0.00	912.00	0	00:00	0.00
J17	JUNCTION	0.70	3.54	858.12	0	03:12	3.48
J170	JUNCTION	0.00	0.00	908.86	0	00:00	0.00
J171	JUNCTION	0.00	0.00	905.27	0	00:00	0.00
J172	JUNCTION	0.31	1.18	903.08	0	03:09	1.18
J173	JUNCTION	0.00	0.00	910.94	0	00:00	0.00
J174	JUNCTION	0.00	0.00	909.90	0	00:00	0.00
J175	JUNCTION	0.00	0.00	908.08	0	00:00	0.00
J176	JUNCTION	0.00	0.00	901.94	0	00:00	0.00
J177	JUNCTION	0.00	0.00	900.54	0	00:00	0.00
J178	JUNCTION	0.00	0.00	903.72	0	00:00	0.00

J179	JUNCTION	0.00	0.00	898.29	0	00:00	0.00
J18	JUNCTION	0.95	4.07	857.62	0	03:12	4.02
J180	JUNCTION	0.51	2.18	897.50	0	03:09	2.18
J181	JUNCTION	0.12	1.71	891.71	0	03:06	1.68
J182	JUNCTION	0.52	2.26	890.69	0	03:06	2.24
J183	JUNCTION	0.00	0.00	884.34	0	00:00	0.00
J184	JUNCTION	0.00	0.28	862.19	0	03:13	0.15
J185	JUNCTION	0.00	0.00	927.55	0	00:00	0.00
J186	JUNCTION	0.01	0.20	926.40	0	03:09	0.19
J187	JUNCTION	0.37	1.90	1013.69	0	03:09	1.90
J19	JUNCTION	0.87	2.74	851.14	0	03:29	2.74
J2	JUNCTION	1.21	4.62	865.83	0	03:12	4.53
J20	JUNCTION	1.06	2.67	847.99	0	03:29	2.67
J21	JUNCTION	1.06	3.51	867.10	0	03:12	3.51
J22	JUNCTION	1.42	6.28	870.26	0	03:12	6.28
J23	JUNCTION	1.63	6.42	870.28	0	03:12	6.42
J24	JUNCTION	1.52	5.41	870.25	0	03:12	5.41
J25	JUNCTION	1.29	4.62	870.46	0	03:12	4.62
J26	JUNCTION	0.77	3.17	871.13	0	03:11	3.17
J27	JUNCTION	1.04	2.86	874.40	0	03:11	2.86
J28	JUNCTION	0.62	4.21	947.42	0	03:06	4.21
J29	JUNCTION	1.13	6.51	933.20	0	03:14	6.51
J3	JUNCTION	0.74	2.45	855.60	0	03:13	2.44
J30	JUNCTION	1.08	4.56	926.58	0	03:09	4.56
J31	JUNCTION	2.13	6.77	926.39	0	03:09	6.77
J32	JUNCTION	1.63	6.14	925.41	0	03:10	6.13
J33	JUNCTION	1.36	6.76	924.50	0	03:11	6.76
J34	JUNCTION	1.47	8.44	907.66	0	03:11	8.43
J35	JUNCTION	1.01	7.56	916.11	0	03:11	7.56
J36	JUNCTION	0.74	2.37	900.08	0	03:11	2.35
J37	JUNCTION	0.40	1.38	898.31	0	03:11	1.37
J38	JUNCTION	0.98	4.14	891.27	0	03:11	4.14
J39	JUNCTION	0.77	2.09	887.76	0	03:11	2.09
J4	JUNCTION	1.48	6.33	860.75	0	03:14	6.31
J40	JUNCTION	0.39	1.60	905.16	0	03:09	1.60
J41	JUNCTION	4.59	6.54	900.99	0	03:09	6.54
J42	JUNCTION	0.54	1.63	899.90	0	03:09	1.63
J43	JUNCTION	0.42	1.90	897.04	0	03:06	1.89
J44	JUNCTION	0.46	2.31	891.70	0	03:06	2.29
J45	JUNCTION	0.85	2.53	889.88	0	03:07	2.51
J46	JUNCTION	0.83	7.08	1036.31	0	03:09	7.03
J47	JUNCTION	0.67	6.14	1035.17	0	03:09	6.08
J48	JUNCTION	0.66	4.79	1033.02	0	03:09	4.73
J49	JUNCTION	0.35	1.36	1028.54	0	03:09	1.35
J5	JUNCTION	0.58	2.31	856.16	0	03:13	2.30
J50	JUNCTION	0.45	2.00	1013.69	0	03:09	2.00
J51	JUNCTION	0.44	1.84	1007.16	0	03:09	1.83
J52	JUNCTION	0.48	2.55	999.24	0	03:09	2.53
J53	JUNCTION	0.35	7.32	1079.73	0	03:08	7.26
J54	JUNCTION	0.95	16.54	1087.26	0	03:07	16.22
J55	JUNCTION	1.41	20.69	1086.29	0	03:07	20.22
J56	JUNCTION	1.81	19.25	1069.85	0	03:09	19.22
J57	JUNCTION	0.50	2.08	1016.97	0	03:07	2.07
J58	JUNCTION	0.16	0.55	1046.30	0	03:09	0.55
J59	JUNCTION	0.86	6.89	1041.41	0	03:09	6.89
J6	JUNCTION	0.66	1.84	868.24	0	03:13	1.84
J60	JUNCTION	0.96	5.36	1026.86	0	03:07	5.36

J61	JUNCTION	1.20	4.95	1007.55	0	03:07	4.95
J62	JUNCTION	1.19	5.62	1007.40	0	03:07	5.61
J63	JUNCTION	0.42	1.62	997.47	0	03:08	1.62
J64	JUNCTION	1.31	5.81	992.61	0	03:08	5.81
J65	JUNCTION	0.71	2.29	988.83	0	03:08	2.29
J66	JUNCTION	1.31	4.85	983.71	0	03:09	4.85
J67	JUNCTION	0.63	2.86	985.23	0	03:08	2.86
J68	JUNCTION	1.09	6.24	983.21	0	03:05	6.24
J69	JUNCTION	1.10	6.18	982.55	0	03:09	6.18
J7	JUNCTION	3.01	8.50	883.88	0	03:08	8.28
J70	JUNCTION	1.65	8.39	981.80	0	03:09	8.39
J71	JUNCTION	0.13	0.56	970.22	0	03:09	0.56
J72	JUNCTION	0.24	9.59	1065.21	0	03:12	9.52
J74	JUNCTION	0.39	12.94	1065.23	0	03:11	12.93
J75	JUNCTION	0.35	12.22	1065.23	0	03:11	12.20
J76	JUNCTION	0.32	11.56	1065.24	0	03:11	11.54
J77	JUNCTION	1.65	5.96	1034.42	0	03:11	5.96
J78	JUNCTION	1.70	9.64	1031.08	0	03:09	9.64
J79	JUNCTION	1.31	7.90	1034.05	0	03:09	7.90
J8	JUNCTION	0.75	2.33	877.41	0	03:08	2.24
J80	JUNCTION	1.96	8.31	1022.86	0	03:09	8.31
J81	JUNCTION	0.93	4.87	1019.87	0	03:10	4.86
J82	JUNCTION	1.30	5.71	1019.71	0	03:10	5.70
J83	JUNCTION	0.23	1.27	1021.07	0	03:09	1.27
J84	JUNCTION	0.39	2.43	1020.48	0	03:09	2.43
J85	JUNCTION	0.60	2.31	990.56	0	03:09	2.31
J86	JUNCTION	0.42	1.57	988.74	0	03:09	1.57
J87	JUNCTION	0.48	1.60	988.01	0	03:09	1.60
J88	JUNCTION	0.46	1.68	987.32	0	03:09	1.67
J89	JUNCTION	0.87	4.76	986.28	0	03:36	4.46
J9	JUNCTION	2.75	8.31	883.97	0	03:09	7.88
J90	JUNCTION	1.73	5.68	985.93	0	03:10	5.67
J91	JUNCTION	1.59	16.59	1065.25	0	03:11	16.57
J92	JUNCTION	0.81	3.74	979.69	0	03:02	3.70
J93	JUNCTION	0.88	3.88	979.30	0	03:02	3.82
J94	JUNCTION	1.32	4.47	978.28	0	03:02	4.44
J95	JUNCTION	1.63	4.67	978.06	0	03:02	4.67
J96	JUNCTION	0.70	3.34	976.61	0	03:03	3.27
J97	JUNCTION	1.98	6.82	971.52	0	03:03	6.79
J98	JUNCTION	1.86	7.45	969.98	0	03:09	7.45
J99	JUNCTION	0.33	1.37	963.35	0	03:10	1.36
OF1	OUTFALL	1.05	2.67	845.71	0	03:29	2.67
J73	STORAGE	1.12	16.62	1065.20	0	03:11	16.61
SU1	STORAGE	0.75	2.06	950.16	0	03:20	2.06
SU2	STORAGE	0.06	1.25	891.71	0	03:06	1.22

****
Node Inflow Summary
****

		Maximum Lateral	Maximum Total	Time of Max	Lateral Inflow	Total Inflow	Flow Balance

Node	Type	Inflow CFS	Inflow CFS	Occurrence days	Occurrence hr:min	Volume 10^6 gal	Volume 10^6 gal	Error Percent
J1	JUNCTION	83.71	928.90	0	03:12	1.7	25	0.389
J10	JUNCTION	0.00	446.30	0	03:12	0	12.8	0.013
J100	JUNCTION	0.00	152.40	0	03:10	0	3.3	0.058
J101	JUNCTION	27.01	108.21	0	03:38	0.553	4.55	-0.014
J102	JUNCTION	9.69	9.69	0	03:06	0.183	0.183	-0.237
J103	JUNCTION	0.00	3.24	0	03:03	0	0.139	0.000
J104	JUNCTION	0.00	3.24	0	03:03	0	0.139	0.022
J105	JUNCTION	0.00	4.96	0	03:26	0	0.139	-0.034
J106	JUNCTION	0.00	149.79	0	03:03	0	4.67	-0.007
J107	JUNCTION	0.00	6.43	0	03:06	0	0.045	6.232
J108	JUNCTION	0.00	1.92	0	02:47	0	0.00514	-0.143
J109	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J11	JUNCTION	25.08	253.43	0	03:19	0.494	7.86	0.012
J110	JUNCTION	0.00	48.62	0	03:09	0	2.66	-0.007
J111	JUNCTION	0.00	38.86	0	02:49	0	2.4	-0.002
J112	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J113	JUNCTION	0.00	29.46	0	03:08	0	0.219	0.111
J114	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J115	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J116	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J117	JUNCTION	73.58	154.60	0	03:09	1.57	3.33	-0.010
J118	JUNCTION	0.00	16.46	0	03:06	0	0.351	-0.097
J119	JUNCTION	0.00	16.45	0	03:06	0	0.351	-0.004
J12	JUNCTION	82.82	231.79	0	03:09	1.66	4.96	-0.038
J120	JUNCTION	0.00	16.46	0	03:06	0	0.351	0.000
J121	JUNCTION	0.00	0.03	0	02:57	0	6.94e-05	0.094
J122	JUNCTION	16.46	16.46	0	03:06	0.351	0.351	-0.000

J123		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J124		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J125		JUNCTION	34.28	34.28	0	03:06	0.732
0.732	0.000						
J126		JUNCTION	0.00	34.28	0	03:06	0
0.732	-0.003						
J127		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J128		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
J129		JUNCTION	0.00	34.30	0	03:06	0
0.732	0.002						
J13		JUNCTION	0.00	379.50	0	03:12	0
9.38	0.000						
J130		JUNCTION	0.00	34.28	0	03:06	0
0.732	-0.001						
J131		JUNCTION	0.00	34.28	0	03:06	0
0.732	-0.002						
J132		JUNCTION	31.26	118.72	0	03:09	0.645
2.52	0.000						
J133		JUNCTION	25.99	144.22	0	03:09	0.533
3.06	-0.000						
J134		JUNCTION	0.00	40.93	0	03:09	0
1.31	0.121						
J135		JUNCTION	0.00	143.65	0	03:09	0
3.06	-0.005						
J136		JUNCTION	0.00	143.65	0	03:09	0
3.06	-0.003						
J137		JUNCTION	0.00	143.66	0	03:09	0
3.06	0.001						
J138		JUNCTION	0.00	143.66	0	03:09	0
3.06	-0.001						
J139		JUNCTION	0.00	143.76	0	03:10	0
3.06	-0.027						
J14		JUNCTION	0.00	378.26	0	03:12	0
9.38	0.000						
J140		JUNCTION	0.00	67.00	0	03:14	0
1.38	-0.155						
J141		JUNCTION	0.00	65.94	0	03:17	0
1.38	-0.009						
J142		JUNCTION	0.00	4.30	0	03:19	0
0.00519	0.303						
J143		JUNCTION	0.00	118.73	0	03:12	0
2.75	-0.000						
J144		JUNCTION	0.00	3.99	0	02:52	0
0.00275	-0.050						
J145		JUNCTION	0.00	0.67	0	02:56	0
0.000751	0.784						
J146		JUNCTION	0.00	2.00	0	02:57	0
0.00348	-0.248						
J147		JUNCTION	0.00	4.77	0	03:04	0
0.00514	-0.295						
J148		JUNCTION	0.00	96.30	0	03:09	0
0.796	0.053						
J149		JUNCTION	0.00	27.72	0	03:08	0
0.184	-0.101						
J15		JUNCTION	0.00	405.47	0	03:12	0
10.1	-0.000						

J150		JUNCTION	27.54	121.70	0	03:09	0.548	
2.76	0.003							
J151		JUNCTION	0.00	35.09	0	03:47	0	
2.4	0.001							
J152		JUNCTION	0.00	7.25	0	03:26	0	
0.011	0.147							
J153		JUNCTION	0.00	152.37	0	03:02	0	
4.54	-0.050							
J154		JUNCTION	0.00	47.76	0	03:10	0	
1.02	-0.000							
J155		JUNCTION	0.00	47.76	0	03:09	0	
1.02	0.000							
J156		JUNCTION	0.00	47.80	0	03:09	0	
1.02	-0.000							
J157		JUNCTION	0.00	47.87	0	03:09	0	
1.02	0.000							
J158		JUNCTION	0.00	47.95	0	03:09	0	
1.02	0.008							
J159		JUNCTION	0.00	48.19	0	03:09	0	
1.02	0.000							
J16		JUNCTION	0.00	405.35	0	03:12	0	
10.1	0.001							
J160		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J161		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J162		JUNCTION	48.24	48.24	0	03:09	1.02	
1.02	0.000							
J163		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J164		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J165		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J166		JUNCTION	0.00	47.76	0	03:10	0	
1.02	0.000							
J167		JUNCTION	0.00	152.63	0	03:09	0	
3.3	-0.008							
J168		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J169		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J17		JUNCTION	18.64	418.47	0	03:12	0.36	
10.5	-0.000							
J170		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J171		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J172		JUNCTION	0.00	44.78	0	03:09	0	
0.939	0.001							
J173		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J174		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J175		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J176		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
J177		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							

J178	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J179	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J18	JUNCTION	0.00	418.58	0	03:12	0	10.5
-0.003							
J180	JUNCTION	0.00	44.76	0	03:09	0	0.938
0.000							
J181	JUNCTION	0.00	0.55	0	02:59	0	0.00372
-0.054							
J182	JUNCTION	0.00	66.17	0	03:06	0	1.41
-0.000							
J183	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J184	JUNCTION	0.00	0.41	0	03:12	0	0.00013
0.177							
J185	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J186	JUNCTION	0.00	0.09	0	03:03	0	0.000121
0.086							
J187	JUNCTION	0.00	0.02	0	02:56	0	0.000117
-1.610							
J19	JUNCTION	0.00	689.69	0	03:17	0	24.9
0.296							
J2	JUNCTION	0.00	381.25	0	03:12	0	9.38
-0.001							
J20	JUNCTION	0.00	622.54	0	03:29	0	24.8
0.002							
J21	JUNCTION	0.00	381.17	0	03:12	0	9.38
0.010							
J22	JUNCTION	0.00	381.23	0	03:12	0	9.38
-0.009							
J23	JUNCTION	0.00	381.14	0	03:12	0	9.38
0.001							
J24	JUNCTION	0.00	381.50	0	03:11	0	9.38
0.000							
J25	JUNCTION	0.00	381.74	0	03:11	0	9.38
0.000							
J26	JUNCTION	0.00	381.76	0	03:11	0	9.38
-0.000							
J27	JUNCTION	0.00	382.36	0	03:11	0	9.38
0.014							
J28	JUNCTION	127.96	127.96	0	03:06	2.68	2.68
0.035							
J29	JUNCTION	0.00	81.94	0	03:00	0	3.27
-0.000							
J3	JUNCTION	0.00	445.58	0	03:14	0	12.8
0.000							
J30	JUNCTION	0.00	174.97	0	03:09	0	4.06
-0.013							
J31	JUNCTION	0.00	174.43	0	03:09	0	4.06
0.038							
J32	JUNCTION	0.00	220.11	0	03:09	0	5.74
0.962							
J33	JUNCTION	0.00	215.17	0	03:11	0	5.68
-0.001							
J34	JUNCTION	6.90	219.06	0	03:11	0.148	5.83
-0.012							
J35	JUNCTION	0.00	215.24	0	03:11	0	5.68
-0.001							

J36		JUNCTION	0.00	219.18	0	03:11	0
5.83	0.023						
J37		JUNCTION	0.00	229.42	0	03:11	0
5.83	-0.023						
J38		JUNCTION	10.46	226.80	0	03:11	0.212
6.04	0.001						
J39		JUNCTION	0.00	224.70	0	03:11	0
6.04	0.003						
J4		JUNCTION	0.00	445.83	0	03:13	0
12.8	0.004						
J40		JUNCTION	44.80	44.80	0	03:09	0.939
0.939	-0.000						
J41		JUNCTION	0.00	44.78	0	03:09	0
0.939	0.041						
J42		JUNCTION	0.00	44.77	0	03:09	0
0.938	0.005						
J43		JUNCTION	22.86	66.22	0	03:06	0.473
1.41	-0.000						
J44		JUNCTION	0.00	66.22	0	03:06	0
1.41	-0.000						
J45		JUNCTION	0.00	66.17	0	03:06	0
1.41	-0.039						
J46		JUNCTION	68.11	68.11	0	03:09	1.44
1.44	0.000						
J47		JUNCTION	0.00	67.63	0	03:09	0
1.44	0.000						
J48		JUNCTION	0.00	67.29	0	03:09	0
1.44	0.001						
J49		JUNCTION	0.00	67.24	0	03:09	0
1.44	-0.000						
J5		JUNCTION	0.00	445.57	0	03:14	0
12.8	0.000						
J50		JUNCTION	21.34	88.09	0	03:09	0.439
1.88	-0.002						
J51		JUNCTION	0.00	88.10	0	03:09	0
1.88	0.003						
J52		JUNCTION	0.00	88.13	0	03:09	0
1.88	0.000						
J53		JUNCTION	0.00	27.82	0	03:07	0
0.186	-0.003						
J54		JUNCTION	49.03	49.03	0	03:06	0.976
0.978	-0.013						
J55		JUNCTION	26.57	46.01	0	03:06	0.512
1.3	0.004						
J56		JUNCTION	0.00	42.80	0	03:06	0
1.3	-0.072						
J57		JUNCTION	0.00	89.44	0	03:07	0
1.96	-0.004						
J58		JUNCTION	0.00	40.93	0	03:09	0
1.31	0.000						
J59		JUNCTION	0.00	68.52	0	03:09	0
1.49	-0.023						
J6		JUNCTION	0.00	450.83	0	03:08	0
12.8	0.005						
J60		JUNCTION	24.13	89.44	0	03:07	0.473
1.96	0.011						
J61		JUNCTION	0.00	89.43	0	03:07	0
1.96	0.000						
J62		JUNCTION	0.00	89.44	0	03:07	0
1.96	-0.001						

J63		JUNCTION	0.00	89.44	0	03:07	0
1.96	-0.004						
J64		JUNCTION	15.94	105.19	0	03:08	0.318
2.28	0.033						
J65		JUNCTION	0.00	105.17	0	03:08	0
2.28	-0.010						
J66		JUNCTION	0.00	105.09	0	03:09	0
2.28	-0.002						
J67		JUNCTION	0.00	105.16	0	03:08	0
2.28	0.000						
J68		JUNCTION	0.00	42.62	0	02:52	0
1.66	0.008						
J69		JUNCTION	0.00	42.63	0	02:52	0
1.66	-0.000						
J7		JUNCTION	0.00	562.51	0	03:08	0
12.8	0.071						
J70		JUNCTION	0.00	42.62	0	02:52	0
1.66	-0.006						
J71		JUNCTION	0.00	105.06	0	03:09	0
2.28	0.000						
J72		JUNCTION	0.00	12.99	0	03:05	0
0.0114	2.115						
J74		JUNCTION	0.00	8.21	0	03:04	0
0.00942	0.017						
J75		JUNCTION	0.00	6.80	0	03:05	0
0.0077	0.026						
J76		JUNCTION	0.00	6.85	0	03:05	0
0.00738	-0.067						
J77		JUNCTION	8.46	125.96	0	03:11	0.171
2.92	0.005						
J78		JUNCTION	0.00	48.81	0	03:06	0
2.49	-0.003						
J79		JUNCTION	36.04	49.79	0	02:51	0.72
2.49	-0.020						
J8		JUNCTION	0.00	501.27	0	03:09	0
12.8	-0.065						
J80		JUNCTION	0.00	48.64	0	03:09	0
2.49	-0.007						
J81		JUNCTION	0.00	127.18	0	03:10	0
1.55	-0.002						
J82		JUNCTION	0.00	140.95	0	03:10	0
1.82	-0.015						
J83		JUNCTION	19.90	19.90	0	03:09	0.404
0.404	0.006						
J84		JUNCTION	0.00	19.89	0	03:09	0
0.404	-0.006						
J85		JUNCTION	49.08	219.43	0	03:09	0.957
5	-0.017						
J86		JUNCTION	0.00	154.77	0	03:09	0
4.52	-0.000						
J87		JUNCTION	0.00	219.33	0	03:09	0
5	0.000						
J88		JUNCTION	0.00	219.33	0	03:09	0
5	-0.000						
J89		JUNCTION	0.00	219.34	0	03:09	0
5.02	-0.001						
J9		JUNCTION	0.00	542.07	0	03:09	0
12.8	0.014						
J90		JUNCTION	0.00	219.33	0	03:09	0
5.02	-1.559						

J91	JUNCTION	0.00	8.79	0	03:04	0	0.0108
1.052							
J92	JUNCTION	26.77	245.61	0	03:09	0.54	5.76
-0.001							
J93	JUNCTION	0.00	245.61	0	03:09	0	5.76
-0.000							
J94	JUNCTION	0.00	245.61	0	03:09	0	5.76
0.001							
J95	JUNCTION	0.00	245.62	0	03:09	0	5.76
0.001							
J96	JUNCTION	0.00	245.63	0	03:09	0	5.76
-0.001							
J97	JUNCTION	0.00	245.66	0	03:09	0	5.76
0.012							
J98	JUNCTION	15.62	291.75	0	03:09	0.304	6.66
-0.034							
J99	JUNCTION	0.00	291.45	0	03:09	0	6.66
-0.073							
OF1	OUTFALL	0.00	622.56	0	03:29	0	24.8
0.000							
J73	STORAGE	108.23	113.82	0	03:05	2.2	2.25
0.004							
SU1	STORAGE	45.56	334.86	0	03:09	0.906	7.58
0.175							
SU2	STORAGE	0.00	0.52	0	02:59	0	0.0018
0.021							

****
Node Surcharge Summary
****

Surcharging occurs when water rises above the top of the highest conduit.

Node	Type	Hours Surcharged	Max. Height Above Crown Feet	Min. Depth Below Rim Feet
J101	JUNCTION	0.81	3.862	0.000
J104	JUNCTION	0.39	1.716	0.000
J105	JUNCTION	0.44	2.266	0.000
J106	JUNCTION	0.40	1.895	0.000
J108	JUNCTION	1.49	10.029	0.000
J110	JUNCTION	1.15	3.323	0.000
J111	JUNCTION	1.37	8.979	0.000
J126	JUNCTION	0.14	0.256	4.414
J135	JUNCTION	0.21	3.406	5.104
J136	JUNCTION	0.11	0.635	9.245
J138	JUNCTION	0.20	0.987	9.633
J140	JUNCTION	0.47	8.532	0.000
J142	JUNCTION	0.34	8.140	0.000
J144	JUNCTION	0.76	3.023	0.000
J145	JUNCTION	0.73	2.157	0.000
J146	JUNCTION	0.73	2.148	0.000
J147	JUNCTION	0.42	8.348	0.000
J150	JUNCTION	0.27	7.595	0.000
J152	JUNCTION	0.70	1.667	0.000
J153	JUNCTION	0.80	2.653	0.000

J154	JUNCTION	0.08	0.217	2.443
J181	JUNCTION	0.22	0.456	2.884
J187	JUNCTION	0.56	0.905	1.095
J29	JUNCTION	0.62	2.687	0.000
J46	JUNCTION	0.29	4.081	0.000
J47	JUNCTION	0.26	3.144	0.000
J48	JUNCTION	0.28	2.288	0.000
J53	JUNCTION	0.46	5.815	0.000
J54	JUNCTION	0.48	14.537	0.000
J55	JUNCTION	0.55	18.385	0.000
J56	JUNCTION	0.75	17.000	0.000
J68	JUNCTION	0.79	3.439	0.581
J69	JUNCTION	0.81	3.682	0.000
J70	JUNCTION	0.91	5.744	0.000
J72	JUNCTION	0.18	7.094	0.000
J74	JUNCTION	0.30	11.693	0.000
J75	JUNCTION	0.27	10.970	0.000
J76	JUNCTION	0.25	10.312	0.000
J78	JUNCTION	0.92	6.991	0.000
J79	JUNCTION	0.89	5.300	0.000
J80	JUNCTION	1.19	5.659	0.000
J84	JUNCTION	0.46	0.714	2.316
J91	JUNCTION	0.41	13.923	0.000
J73	STORAGE	0.39	13.470	0.000

****
Node Flooding Summary
****

Flooding refers to all water that overflows a node, whether it ponds or not.

Node	Hours Flooded	Maximum Rate CFS	Time of Max Occurrence days hr:min	Total Flood Volume 10^6 gal	Maximum Ponded Depth Feet
J101	0.72	4.33	0 02:56	0.003	1.762
J104	0.01	1.76	0 03:02	0.000	0.016
J105	0.18	3.23	0 03:02	0.000	0.166
J106	0.38	18.14	0 03:02	0.002	0.881
J108	1.35	1.92	0 02:47	0.005	6.079
J110	0.97	4.09	0 02:52	0.002	0.823
J111	1.37	4.87	0 02:47	0.013	6.179
J140	0.45	8.77	0 03:06	0.029	6.402
J142	0.26	3.08	0 03:19	0.005	6.360
J144	0.71	3.25	0 02:52	0.002	1.543
J145	0.46	0.58	0 03:03	0.001	0.407
J146	0.58	2.00	0 02:57	0.002	0.968
J147	0.25	4.76	0 03:04	0.005	6.288
J150	0.25	8.24	0 03:07	0.012	6.095
J152	0.32	7.22	0 03:26	0.006	0.617
J153	0.67	30.41	0 03:35	0.029	1.039
J29	0.60	3.33	0 02:56	0.004	2.037
J46	0.15	1.00	0 03:06	0.001	1.501
J47	0.15	0.92	0 03:06	0.001	1.304
J48	0.14	0.65	0 03:06	0.001	0.738

J53	0.43	4.69	0	02:58	0.005	4.715
J54	0.48	6.74	0	02:57	0.015	14.037
J55	0.55	7.94	0	02:57	0.024	17.635
J56	0.74	6.40	0	02:54	0.033	16.050
J69	0.66	0.24	0	02:56	0.000	0.332
J70	0.91	14.09	0	02:52	0.009	5.274
J72	0.17	11.94	0	03:05	0.006	2.764
J74	0.27	8.21	0	03:04	0.009	10.743
J75	0.25	6.78	0	03:05	0.007	9.020
J76	0.24	6.84	0	03:05	0.007	8.212
J78	0.92	5.68	0	02:49	0.008	5.391
J79	0.87	2.68	0	02:51	0.005	4.350
J80	0.95	3.35	0	02:51	0.005	2.409
J91	0.32	8.79	0	03:04	0.010	11.993

****
Storage Volume Summary
****

Storage Unit	Average Volume 1000 ft3	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 ft3	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CFS
J73	0.851	14	0	0	6.100	100	0	03:04
SU1	92.083	9	0	0	262.240	25	0	03:20
SU2	0.012	1	0	0	0.240	27	0	03:06

****
Outfall Loading Summary
****

Outfall Node	Flow Freq Pcnt	Avg Flow CFS	Max Flow CFS	Total Volume 10^6 gal
OF1	94.17	143.76	622.56	24.805
System	94.17	143.76	622.56	24.805

****
Link Flow Summary
****

	Maximum	Time of Max	Maximum	Max/	Max/

Link	Type	|Flow| CFS	Occurrence days	Occurrence hr:min	|Veloc| ft/sec	Full Flow	Full Depth
5	CONDUIT	143.46	0	03:11	15.11	0.28	0.46
C1	CHANNEL	622.56	0	03:29	13.87	0.09	0.27
C10	CHANNEL	405.24	0	03:12	13.51	0.62	0.66
C100	CONDUIT	16.46	0	03:06	6.02	0.42	0.54
C101	CHANNEL	16.39	0	03:06	1.55	0.01	0.33
C102	CONDUIT	16.45	0	03:06	7.92	0.30	0.44
C103	CONDUIT	16.46	0	03:06	17.44	0.40	0.53
C104	CONDUIT	0.06	0	03:09	0.12	0.00	0.24
C105	CONDUIT	0.00	0	00:00	0.00	0.00	0.04
C106	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C107	CHANNEL	224.56	0	03:11	8.75	0.28	0.62
C108	CONDUIT	34.28	0	03:06	13.40	0.53	0.76
C109	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C110	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C111	CONDUIT	34.30	0	03:06	10.98	1.37	0.98
C112	CONDUIT	34.28	0	03:06	15.54	0.52	0.70
C113	CONDUIT	34.28	0	03:06	12.09	1.04	0.94
C114	CONDUIT	34.28	0	03:06	12.90	0.55	0.84
C115	CONDUIT	67.24	0	03:09	16.56	0.42	0.56
C116	CONDUIT	132.90	0	03:09	12.23	0.33	0.65
C116_2	CONDUIT	109.04	0	03:11	4.09	0.53	0.66
C117	CONDUIT	83.89	0	03:07	4.46	0.38	0.70
C118	CONDUIT	88.15	0	03:09	15.12	0.54	0.78
C119	CONDUIT	143.65	0	03:09	15.13	0.43	1.00
C12	CONDUIT	689.69	0	03:17	0.66	0.50	1.00
C120	CONDUIT	143.65	0	03:09	14.93	1.00	1.00
C121	CHANNEL	6.43	0	03:06	4.43	0.12	0.61
C122	CONDUIT	143.76	0	03:10	18.80	0.61	0.59
C122_1	CONDUIT	143.66	0	03:09	13.51	0.77	1.00
C122_2	CONDUIT	143.66	0	03:09	13.56	0.77	0.97
C123	CONDUIT	67.00	0	03:14	14.23	0.81	0.92
C124	CONDUIT	65.94	0	03:17	13.43	2.16	1.00
C125	CONDUIT	39.17	0	03:31	9.87	0.65	1.00
C126	CONDUIT	8.37	0	03:19	4.74	0.54	1.00
C127	CONDUIT	7.38	0	03:19	9.39	0.88	1.00
C127_1	CONDUIT	96.71	0	03:11	19.70	1.75	1.00
C127_2	CONDUIT	118.73	0	03:12	24.19	1.08	1.00
C128	CONDUIT	13.80	0	03:09	6.30	1.53	1.00
C128_1	CONDUIT	51.23	0	03:17	5.57	0.26	0.52
C128_2	CONDUIT	96.09	0	03:09	4.12	0.15	0.55
C128_3	CONDUIT	48.62	0	03:09	9.90	2.23	1.00
C128_4	CONDUIT	35.09	0	03:47	13.52	1.26	0.80
C128_5	CONDUIT	38.86	0	02:49	10.93	0.33	1.00
C128_7	CONDUIT	35.16	0	02:53	17.11	0.37	0.67
C129	CHANNEL	47.20	0	02:57	5.17	0.97	1.00
C13	CONDUIT	418.58	0	03:12	14.11	0.72	0.88
C130	CONDUIT	0.00	0	00:00	0.00	0.00	0.08
C130_1	CONDUIT	46.61	0	03:09	1.94	0.44	1.00
C131	CONDUIT	27.72	0	03:08	15.69	1.11	1.00
C132	CONDUIT	34.17	0	03:09	7.80	0.21	0.42
C132_1	CONDUIT	27.70	0	03:08	11.39	0.33	0.49
C133	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C134	CONDUIT	10.75	0	03:07	8.12	0.54	0.83
C135	CONDUIT	27.11	0	03:09	4.06	0.34	0.55

C136	CONDUIT	39.15	0	03:09	5.46	0.11	0.32
C137	CONDUIT	3.99	0	02:52	3.44	0.29	1.00
C138	CONDUIT	49.65	0	03:07	7.54	0.21	0.62
C139	CONDUIT	47.76	0	03:10	9.73	1.10	1.00
C14	CHANNEL	418.81	0	03:12	18.32	0.53	0.56
C140	CONDUIT	64.81	0	03:07	10.67	0.29	0.51
C141	CONDUIT	35.95	0	03:08	3.61	2.10	0.38
C142	CONDUIT	70.38	0	03:09	9.93	0.37	0.58
C143	CONDUIT	38.74	0	03:09	3.22	1.74	0.29
C144	CONDUIT	47.76	0	03:09	9.73	0.40	1.00
C145	CONDUIT	3.04	0	02:46	9.60	6.38	1.00
C147	CONDUIT	47.80	0	03:09	6.69	0.90	1.00
C148	CONDUIT	47.92	0	03:11	12.71	0.19	0.36
C149	CONDUIT	39.07	0	03:11	16.25	0.09	0.24
C15	CHANNEL	378.26	0	03:12	8.49	0.36	1.00
C150	CONDUIT	74.94	0	03:12	4.70	3.95	0.77
C151	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C152	CONDUIT	10.89	0	02:52	14.19	1.20	1.00
C153	CONDUIT	47.95	0	03:09	6.49	0.96	0.98
C154	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C155	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C156	CONDUIT	125.08	0	03:09	14.65	0.37	0.55
C157	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C158	CONDUIT	47.76	0	03:10	12.02	1.05	0.75
C159	CONDUIT	117.07	0	03:10	4.36	0.05	0.66
C16	CHANNEL	379.50	0	03:12	9.54	0.30	0.74
C160	CONDUIT	47.76	0	03:10	12.16	0.36	0.39
C160_3	CONDUIT	140.92	0	03:10	9.79	0.10	0.41
C161	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C162	CONDUIT	0.00	0	00:00	0.00	0.00	0.31
C163	CONDUIT	21.80	0	03:08	4.66	0.26	0.45
C164	CONDUIT	47.24	0	03:09	3.91	3.41	0.59
C165	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C166	CONDUIT	18.51	0	03:36	5.52	0.02	0.17
C167	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C168	CONDUIT	65.34	0	03:09	3.24	0.56	0.50
C169	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C169_2	CONDUIT	146.04	0	03:09	11.66	0.02	0.10
C169_3	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C169_4	CONDUIT	0.00	0	00:00	0.00	0.00	0.06
C17	CHANNEL	381.25	0	03:12	9.66	0.40	0.70
C170	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C170_4	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C170_6	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C171	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C172	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C173	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C174	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C175	CONDUIT	0.00	0	00:00	0.00	0.00	0.04
C176	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C177	CONDUIT	52.06	0	03:29	12.55	0.07	0.20
C178	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C179	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C18	CONDUIT	306.23	0	03:12	9.82	1.16	0.94
C180	CONDUIT	0.00	0	00:00	0.00	0.00	0.36
C181	CONDUIT	44.76	0	03:09	8.14	0.88	0.73
C182	CONDUIT	0.52	0	02:59	1.60	0.37	1.00

C183	CONDUIT	0.55	0	02:59	0.47	0.04	1.00
C184	CONDUIT	0.41	0	03:12	0.41	0.02	0.59
C185	CONDUIT	0.00	0	00:00	0.00	0.00	0.02
C186	CONDUIT	0.09	0	03:03	0.10	0.01	0.57
C187	CONDUIT	0.02	0	02:56	0.11	0.01	1.00
C188	CONDUIT	8.79	0	03:04	7.17	0.86	1.00
C19	CHANNEL	381.23	0	03:12	3.83	0.19	0.76
C2	CHANNEL	445.72	0	03:14	14.15	0.23	0.46
C20	CHANNEL	381.14	0	03:12	6.64	0.09	0.54
C21	CHANNEL	381.50	0	03:11	6.85	0.20	0.63
C22	CHANNEL	381.74	0	03:11	7.93	0.33	0.74
C23	CHANNEL	381.76	0	03:11	12.09	0.25	0.59
C24	CONDUIT	68.46	0	02:57	24.82	0.71	1.00
C25	CONDUIT	80.04	0	03:18	16.31	1.00	1.00
C26	CHANNEL	127.83	0	03:09	2.64	0.28	1.00
C27	CONDUIT	74.19	0	02:55	15.11	1.38	1.00
C28	CONDUIT	76.21	0	03:04	15.81	0.99	1.00
C29	CONDUIT	180.13	0	03:11	21.04	0.91	0.84
C29_1	CONDUIT	90.71	0	03:32	19.86	1.08	1.00
C29_2	CONDUIT	168.91	0	03:09	17.56	0.82	1.00
C3	CHANNEL	445.83	0	03:13	7.18	0.18	0.70
C3_1	CONDUIT	445.57	0	03:14	11.08	0.41	0.73
C3_2	CONDUIT	445.58	0	03:14	17.04	0.31	0.40
C30	CHANNEL	229.42	0	03:11	10.15	0.34	0.46
C31	CHANNEL	220.61	0	03:11	5.91	0.06	0.43
C32	CONDUIT	224.70	0	03:11	7.38	0.45	0.76
C33	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C33_1	CONDUIT	44.78	0	03:09	13.48	0.74	0.64
C33_2	CONDUIT	44.78	0	03:09	10.04	0.33	0.60
C34	CONDUIT	44.77	0	03:09	7.67	1.71	0.77
C35	CONDUIT	44.76	0	03:09	10.34	0.47	0.59
C36	CONDUIT	66.22	0	03:06	16.15	0.49	0.56
C37	CONDUIT	0.00	0	00:00	0.00	0.00	0.23
C37_1	CONDUIT	66.17	0	03:06	11.45	0.44	0.76
C37_2	CONDUIT	66.17	0	03:06	10.96	0.81	0.80
C38	CONDUIT	67.63	0	03:09	9.57	1.22	1.00
C39	CONDUIT	67.29	0	03:09	13.71	0.93	1.00
C4	CONDUIT	562.51	0	03:08	7.89	0.46	0.74
C4_1	CHANNEL	501.27	0	03:09	28.95	0.65	0.53
C4_2	CHANNEL	450.83	0	03:08	16.03	0.15	0.36
C40	CONDUIT	67.24	0	03:09	16.55	1.00	0.77
C41	CONDUIT	88.10	0	03:09	18.72	0.60	0.63
C42	CONDUIT	88.13	0	03:09	16.16	0.61	0.72
C43	CONDUIT	27.82	0	03:07	15.74	1.36	1.00
C44	CONDUIT	24.53	0	03:22	14.06	0.42	1.00
C45	CONDUIT	42.80	0	03:06	13.62	1.02	1.00
C46	CONDUIT	118.56	0	03:09	18.22	0.51	0.80
C46_1	CONDUIT	13.82	0	03:09	3.74	0.33	0.77
C46_2	CHANNEL	1.78	0	03:09	3.48	0.03	0.50
C47	CONDUIT	40.93	0	03:09	15.92	1.78	0.68
C48	CONDUIT	34.37	0	03:12	15.69	0.96	1.00
C49	CONDUIT	18.77	0	02:43	10.62	1.07	1.00
C5	CHANNEL	542.07	0	03:09	7.08	0.11	0.76
C50	CONDUIT	24.91	0	03:03	14.67	1.04	1.00
C51	CHANNEL	89.43	0	03:08	5.93	0.43	0.87
C52	CONDUIT	69.21	0	03:08	10.53	1.17	0.88
C53	CONDUIT	42.62	0	02:52	8.68	0.33	1.00

C53_1	CHANNEL	105.16	0	03:08	7.69	0.29	0.65
C53_2	CHANNEL	105.09	0	03:09	6.90	0.66	1.00
C54	CONDUIT	42.63	0	02:52	6.76	0.90	1.00
C55	CONDUIT	42.62	0	02:52	8.68	0.63	1.00
C56	CONDUIT	34.68	0	03:09	17.49	1.44	0.64
C57	CONDUIT	12.99	0	03:05	2.95	0.18	1.00
C58	CONDUIT	8.21	0	03:04	6.69	0.59	1.00
C59	CONDUIT	6.80	0	03:05	5.54	0.42	1.00
C6	CHANNEL	253.41	0	03:19	13.47	0.26	0.75
C60	CONDUIT	6.85	0	03:05	5.59	0.41	1.00
C61	CONDUIT	37.67	0	02:49	7.67	1.05	1.00
C62	CONDUIT	48.81	0	03:06	12.18	0.70	1.00
C63	CONDUIT	48.64	0	03:09	9.91	1.04	1.00
C64	CONDUIT	10.12	0	03:10	4.70	0.41	1.00
C65	CONDUIT	19.89	0	03:09	11.98	0.58	0.88
C66	CONDUIT	19.89	0	03:09	12.68	0.49	1.00
C67	CHANNEL	154.77	0	03:09	10.11	0.63	0.60
C68	CHANNEL	154.03	0	03:09	12.91	0.28	0.45
C69	CHANNEL	219.33	0	03:09	14.87	0.24	0.48
C7	CHANNEL	231.49	0	03:09	8.89	0.11	0.70
C70	CHANNEL	219.34	0	03:09	8.30	0.20	0.75
C71	CHANNEL	219.33	0	03:09	8.06	0.30	1.00
C72	CONDUIT	9.28	0	03:02	7.56	0.59	1.00
C72_1	CONDUIT	145.82	0	03:03	15.16	0.73	1.00
C72_2	CONDUIT	145.46	0	03:03	15.12	0.79	1.00
C73	CONDUIT	4.96	0	03:26	5.67	0.52	1.00
C73_2	CONDUIT	148.66	0	03:22	15.87	0.97	1.00
C74	CHANNEL	245.61	0	03:09	15.46	0.69	0.88
C75	CHANNEL	245.61	0	03:09	12.53	0.60	0.93
C76	CHANNEL	245.62	0	03:09	11.90	0.74	0.99
C77	CONDUIT	117.01	0	03:00	11.70	2.19	1.00
C78	CHANNEL	245.66	0	03:09	12.27	0.61	0.95
C79	CONDUIT	166.41	0	03:10	23.31	0.88	0.70
C8	CONDUIT	378.11	0	03:12	9.21	1.61	0.91
C80	CHANNEL	239.81	0	03:20	14.52	0.31	0.52
C80_2	CHANNEL	151.81	0	03:10	8.26	0.10	0.38
C80_3	CONDUIT	105.06	0	03:09	14.20	0.04	0.21
C80_4	CONDUIT	152.40	0	03:10	10.99	0.07	0.35
C81	CONDUIT	291.21	0	03:10	14.04	0.22	0.55
C82	CONDUIT	3.24	0	03:03	7.79	0.74	0.56
C82_1	CONDUIT	102.85	0	03:38	10.69	0.57	1.00
C82_2	CONDUIT	106.94	0	03:38	11.12	0.79	1.00
C83	CONDUIT	6.39	0	03:26	4.90	0.43	1.00
C85	CONDUIT	58.30	0	03:07	12.07	0.28	0.46
C85_1	CONDUIT	76.64	0	03:10	5.76	0.03	0.11
C86	CONDUIT	61.70	0	03:06	11.72	0.22	0.52
C87	CONDUIT	1.92	0	02:47	1.57	0.31	1.00
C88	CONDUIT	176.74	0	03:11	10.81	0.67	0.79
C89	CONDUIT	0.67	0	02:56	1.95	2.15	1.00
C9	CHANNEL	405.35	0	03:12	13.15	0.22	0.67
C90	CONDUIT	2.72	0	03:27	2.21	0.19	1.00
C91	CONDUIT	118.74	0	03:12	8.29	0.51	0.86
C92	CHANNEL	5.87	0	03:07	3.13	0.13	0.70
C93	CONDUIT	7.71	0	03:07	3.52	0.18	1.00
C94	CONDUIT	185.62	0	03:09	9.87	0.04	0.16
C95	CONDUIT	31.14	0	03:06	17.62	1.03	1.00
C96	CONDUIT	30.11	0	02:50	17.33	0.80	1.00

C97	CHANNEL	0.00	0	00:00	0.00	0.00	0.27
C97_1	CHANNEL	66.05	0	03:07	1.97	0.08	0.41
C97_2	CHANNEL	161.76	0	03:10	4.50	0.20	0.41
C98	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C99	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C11	WEIR	570.48	0	03:29			0.91
C84	WEIR	3.24	0	03:03			0.08

****
Flow Classification Summary
****

Conduit	Adjusted /Actual Length	Fraction of Time in Flow Class: Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
5	1.00	0.92	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00
C1	1.00	0.05	0.00	0.00	0.01	0.94	0.00	0.00	0.45	0.00
C10	1.00	0.01	0.00	0.00	0.16	0.83	0.00	0.00	0.12	0.00
C100	1.00	0.01	0.00	0.00	0.98	0.01	0.00	0.00	0.00	0.00
C101	1.00	0.01	0.00	0.00	0.99	0.01	0.00	0.00	0.93	0.00
C102	1.00	0.01	0.00	0.00	0.00	0.75	0.00	0.24	0.32	0.00
C103	1.00	0.01	0.00	0.00	0.00	0.23	0.00	0.76	0.11	0.00
C104	1.00	0.85	0.05	0.00	0.11	0.00	0.00	0.00	0.72	0.00
C105	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C106	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C107	1.00	0.01	0.00	0.00	0.70	0.29	0.00	0.00	0.95	0.00
C108	1.00	0.01	0.00	0.00	0.00	0.70	0.00	0.29	0.39	0.00
C109	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C110	1.00	0.32	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C111	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
C112	1.00	0.01	0.00	0.00	0.00	0.70	0.00	0.29	0.38	0.00
C113	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
C114	1.00	0.01	0.18	0.00	0.23	0.58	0.00	0.00	0.88	0.00

C115	1.00	0.03	0.00	0.00	0.19	0.78	0.00	0.00	0.89
0.00									
C116	1.00	0.89	0.02	0.00	0.01	0.07	0.00	0.02	0.74
0.00									
C116_2	1.00	0.87	0.00	0.00	0.00	0.00	0.00	0.13	0.00
0.00									
C117	1.00	0.85	0.01	0.00	0.00	0.00	0.14	0.00	0.00
0.00									
C118	1.00	0.03	0.00	0.00	0.18	0.79	0.00	0.00	0.51
0.00									
C119	1.00	0.03	0.18	0.00	0.02	0.78	0.00	0.00	0.73
0.00									
C12	1.00	0.02	0.02	0.00	0.96	0.00	0.00	0.00	0.00
0.00									
C120	1.00	0.03	0.00	0.00	0.02	0.01	0.00	0.94	0.00
0.00									
C121	1.00	0.24	0.66	0.00	0.01	0.09	0.00	0.00	0.74
0.00									
C122	1.00	0.03	0.12	0.00	0.11	0.73	0.00	0.00	0.65
0.00									
C122_1	1.00	0.21	0.00	0.00	0.05	0.75	0.00	0.00	0.52
0.00									
C122_2	1.00	0.16	0.05	0.00	0.04	0.75	0.00	0.00	0.45
0.00									
C123	1.00	0.04	0.00	0.00	0.00	0.10	0.00	0.86	0.02
0.00									
C124	1.00	0.04	0.00	0.00	0.10	0.00	0.00	0.86	0.00
0.00									
C125	1.00	0.04	0.00	0.00	0.10	0.01	0.00	0.85	0.00
0.00									
C126	1.00	0.05	0.24	0.00	0.71	0.00	0.00	0.00	0.49
0.00									
C127	1.00	0.05	0.78	0.00	0.17	0.00	0.00	0.00	0.70
0.00									
C127_1	1.00	0.05	0.00	0.00	0.12	0.83	0.00	0.00	0.02
0.00									
C127_2	1.00	0.05	0.00	0.00	0.03	0.92	0.00	0.00	0.00
0.00									
C128	1.00	0.04	0.00	0.00	0.95	0.00	0.00	0.00	0.04
0.00									
C128_1	1.00	0.35	0.57	0.00	0.03	0.04	0.00	0.02	0.74
0.00									
C128_2	1.00	0.34	0.01	0.00	0.13	0.00	0.00	0.52	0.07
0.00									
C128_3	1.00	0.04	0.00	0.00	0.37	0.59	0.00	0.00	0.00
0.00									
C128_4	1.00	0.04	0.00	0.00	0.01	0.95	0.00	0.00	0.00
0.00									
C128_5	1.00	0.04	0.00	0.00	0.29	0.67	0.00	0.00	0.78
0.00									
C128_7	1.00	0.04	0.01	0.00	0.01	0.95	0.00	0.00	0.06
0.00									
C129	1.00	0.01	0.03	0.00	0.81	0.15	0.00	0.00	0.84
0.00									
C13	1.00	0.02	0.00	0.00	0.20	0.78	0.00	0.00	0.59
0.00									
C130	1.00	0.78	0.22	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C130_1	1.00	0.83	0.03	0.00	0.14	0.00	0.00	0.00	0.69
0.00									

C131	1.00	0.27	0.00	0.00	0.73	0.00	0.00	0.00	0.72
0.00									
C132	1.00	0.89	0.04	0.00	0.01	0.05	0.00	0.00	0.75
0.00									
C132_1	1.00	0.94	0.00	0.00	0.00	0.00	0.00	0.06	0.00
0.00									
C133	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C134	1.00	0.83	0.06	0.00	0.05	0.06	0.00	0.00	0.76
0.00									
C135	1.00	0.16	0.00	0.00	0.01	0.00	0.00	0.84	0.00
0.00									
C136	1.00	0.16	0.00	0.00	0.00	0.04	0.00	0.80	0.02
0.00									
C137	1.00	0.24	0.02	0.00	0.14	0.00	0.00	0.60	0.01
0.00									
C138	1.00	0.85	0.04	0.00	0.06	0.05	0.00	0.00	0.76
0.00									
C139	1.00	0.06	0.00	0.00	0.21	0.73	0.00	0.00	0.45
0.00									
C14	1.00	0.02	0.00	0.00	0.23	0.75	0.00	0.00	0.72
0.00									
C140	1.00	0.87	0.00	0.00	0.00	0.00	0.00	0.13	0.00
0.00									
C141	1.00	0.95	0.00	0.00	0.00	0.00	0.00	0.05	0.00
0.00									
C142	1.00	0.89	0.00	0.00	0.00	0.00	0.00	0.11	0.00
0.00									
C143	1.00	0.86	0.00	0.00	0.00	0.00	0.00	0.14	0.00
0.00									
C144	1.00	0.06	0.00	0.00	0.09	0.85	0.00	0.00	0.53
0.00									
C145	1.00	0.05	0.00	0.00	0.22	0.73	0.00	0.00	0.00
0.00									
C147	1.00	0.06	0.00	0.00	0.45	0.49	0.00	0.00	0.36
0.00									
C148	1.00	0.96	0.00	0.00	0.00	0.00	0.00	0.04	0.00
0.00									
C149	1.00	0.96	0.00	0.00	0.00	0.00	0.00	0.04	0.00
0.00									
C15	1.00	0.02	0.00	0.00	0.18	0.81	0.00	0.00	0.21
0.00									
C150	1.00	0.96	0.00	0.00	0.00	0.00	0.00	0.04	0.00
0.00									
C151	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C152	1.00	0.04	0.00	0.00	0.23	0.73	0.00	0.00	0.00
0.00									
C153	1.00	0.04	0.00	0.00	0.95	0.00	0.00	0.00	0.87
0.00									
C154	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C155	1.00	0.04	0.96	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C156	1.00	0.92	0.00	0.00	0.00	0.00	0.00	0.08	0.00
0.00									
C157	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C158	1.00	0.06	0.00	0.00	0.05	0.89	0.00	0.00	0.00
0.00									

C159	1.00	0.05	0.83	0.00	0.12	0.00	0.00	0.00	0.74
0.00									
C16	1.00	0.02	0.00	0.00	0.07	0.91	0.00	0.00	0.00
0.00									
C160	1.00	0.03	0.04	0.00	0.05	0.88	0.00	0.00	0.02
0.00									
C160_3	1.00	0.86	0.00	0.00	0.00	0.07	0.00	0.07	0.04
0.00									
C161	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C162	1.00	0.23	0.77	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C163	1.00	0.93	0.01	0.00	0.01	0.00	0.00	0.04	0.73
0.00									
C164	1.00	0.44	0.00	0.00	0.00	0.00	0.00	0.56	0.00
0.00									
C165	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C166	1.00	0.90	0.10	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C167	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C168	1.00	0.92	0.00	0.00	0.00	0.00	0.00	0.08	0.00
0.00									
C169	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C169_2	1.00	0.88	0.00	0.00	0.00	0.00	0.00	0.12	0.00
0.00									
C169_3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C169_4	1.00	0.88	0.12	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C17	1.00	0.02	0.00	0.00	0.19	0.79	0.00	0.00	0.80
0.00									
C170	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C170_4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C170_6	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C171	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C172	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C173	1.00	0.02	0.98	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C174	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C175	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C176	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C177	1.00	0.92	0.00	0.00	0.00	0.00	0.00	0.08	0.00
0.00									
C178	1.00	0.04	0.96	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C179	1.00	0.04	0.96	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C18	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00
0.87									

C180	1.00	0.90	0.10	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C181	1.00	0.02	0.01	0.00	0.00	0.00	0.00	0.96	0.00
0.00									
C182	1.00	0.23	0.02	0.00	0.11	0.00	0.00	0.64	0.01
0.00									
C183	1.00	0.07	0.14	0.00	0.54	0.00	0.00	0.25	0.19
0.00									
C184	1.00	0.01	0.92	0.00	0.06	0.00	0.00	0.00	0.73
0.00									
C185	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C186	1.00	0.01	0.77	0.00	0.21	0.00	0.00	0.00	0.72
0.00									
C187	1.00	0.03	0.01	0.00	0.95	0.00	0.00	0.00	0.48
0.00									
C188	1.00	0.26	0.58	0.00	0.15	0.00	0.01	0.00	0.71
0.00									
C19	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.00
0.00									
C2	1.00	0.02	0.05	0.00	0.38	0.55	0.00	0.00	0.41
0.00									
C20	1.00	0.01	0.00	0.00	0.97	0.01	0.00	0.00	0.66
0.00									
C21	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.77
0.00									
C22	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.90
0.00									
C23	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.02
0.00									
C24	1.00	0.01	0.00	0.00	0.06	0.06	0.00	0.87	0.00
0.00									
C25	1.00	0.01	0.07	0.00	0.24	0.68	0.00	0.00	0.52
0.00									
C26	1.00	0.01	0.00	0.00	0.84	0.01	0.00	0.15	0.41
0.00									
C27	1.00	0.01	0.00	0.00	0.56	0.01	0.00	0.42	0.00
0.42									
C28	1.00	0.01	0.00	0.00	0.14	0.02	0.00	0.83	0.00
0.00									
C29	1.00	0.00	0.00	0.00	0.16	0.84	0.00	0.00	0.49
0.00									
C29_1	1.00	0.01	0.00	0.00	0.07	0.91	0.00	0.00	0.11
0.00									
C29_2	1.00	0.01	0.00	0.00	0.05	0.68	0.00	0.25	0.27
0.00									
C3	1.00	0.07	0.00	0.00	0.60	0.33	0.00	0.00	0.45
0.00									
C3_1	1.00	0.07	0.00	0.00	0.91	0.02	0.00	0.00	0.00
0.86									
C3_2	1.00	0.07	0.00	0.00	0.24	0.69	0.00	0.00	0.52
0.00									
C30	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.00
0.00									
C31	1.00	0.00	0.00	0.00	0.89	0.11	0.00	0.00	0.55
0.00									
C32	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.97									
C33	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

C33_1	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00
0.00									
C33_2	1.00	0.19	0.02	0.00	0.05	0.73	0.00	0.01	0.91
0.00									
C34	1.00	0.04	0.17	0.00	0.05	0.00	0.00	0.75	0.45
0.00									
C35	1.00	0.04	0.00	0.00	0.00	0.65	0.00	0.31	0.34
0.00									
C36	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
C37	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C37_1	1.00	0.01	0.00	0.00	0.16	0.83	0.00	0.00	0.16
0.00									
C37_2	1.00	0.01	0.12	0.00	0.67	0.20	0.00	0.00	0.81
0.00									
C38	1.00	0.03	0.00	0.00	0.29	0.68	0.00	0.00	0.45
0.00									
C39	1.00	0.03	0.00	0.00	0.24	0.73	0.00	0.00	0.48
0.00									
C4	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.01
0.00									
C4_1	1.00	0.06	0.00	0.00	0.00	0.94	0.00	0.00	0.15
0.00									
C4_2	1.00	0.07	0.00	0.00	0.00	0.93	0.00	0.00	0.54
0.00									
C40	1.00	0.03	0.00	0.00	0.18	0.79	0.00	0.00	0.00
0.00									
C41	1.00	0.03	0.00	0.00	0.00	0.11	0.00	0.86	0.00
0.00									
C42	1.00	0.03	0.00	0.00	0.00	0.16	0.00	0.81	0.00
0.00									
C43	1.00	0.30	0.59	0.00	0.11	0.00	0.00	0.00	0.71
0.00									
C44	1.00	0.05	0.00	0.00	0.08	0.05	0.00	0.82	0.00
0.00									
C45	1.00	0.02	0.00	0.00	0.09	0.05	0.00	0.85	0.01
0.00									
C46	1.00	0.03	0.00	0.00	0.18	0.79	0.00	0.00	0.44
0.00									
C46_1	1.00	0.02	0.14	0.00	0.84	0.00	0.00	0.00	0.90
0.00									
C46_2	1.00	0.24	0.00	0.00	0.02	0.03	0.00	0.72	0.02
0.00									
C47	1.00	0.15	0.05	0.00	0.01	0.79	0.00	0.00	0.46
0.00									
C48	1.00	0.04	0.00	0.00	0.09	0.10	0.00	0.77	0.01
0.00									
C49	1.00	0.02	0.00	0.00	0.17	0.34	0.00	0.47	0.00
0.00									
C5	1.00	0.06	0.00	0.00	0.94	0.01	0.00	0.00	0.81
0.00									
C50	1.00	0.02	0.12	0.00	0.09	0.78	0.00	0.00	0.52
0.00									
C51	1.00	0.02	0.00	0.00	0.84	0.14	0.00	0.00	0.44
0.00									
C52	1.00	0.02	0.09	0.00	0.82	0.07	0.00	0.00	0.00
0.89									
C53	1.00	0.03	0.00	0.00	0.13	0.04	0.00	0.80	0.00
0.86									

C53_1	1.00	0.02	0.00	0.00	0.08	0.90	0.00	0.00	0.43
0.00									
C53_2	1.00	0.02	0.00	0.00	0.82	0.16	0.00	0.00	0.39
0.00									
C54	1.00	0.03	0.03	0.00	0.35	0.59	0.00	0.00	0.51
0.00									
C55	1.00	0.03	0.00	0.00	0.14	0.56	0.00	0.27	0.31
0.00									
C56	1.00	0.03	0.00	0.00	0.11	0.86	0.00	0.00	0.10
0.00									
C57	1.00	0.29	0.54	0.00	0.17	0.00	0.00	0.00	0.72
0.00									
C58	1.00	0.26	0.02	0.00	0.07	0.00	0.00	0.65	0.01
0.00									
C59	1.00	0.27	0.02	0.00	0.07	0.00	0.00	0.65	0.72
0.00									
C6	1.00	0.06	0.02	0.00	0.15	0.77	0.00	0.00	0.25
0.00									
C60	1.00	0.27	0.02	0.00	0.06	0.00	0.00	0.65	0.72
0.00									
C61	1.00	0.05	0.00	0.00	0.14	0.00	0.00	0.81	0.00
0.35									
C62	1.00	0.04	0.00	0.00	0.14	0.43	0.00	0.39	0.00
0.00									
C63	1.00	0.04	0.00	0.00	0.19	0.51	0.00	0.26	0.26
0.00									
C64	1.00	0.04	0.18	0.00	0.29	0.47	0.00	0.02	0.76
0.00									
C65	1.00	0.04	0.00	0.00	0.08	0.08	0.00	0.80	0.04
0.00									
C66	1.00	0.04	0.00	0.00	0.18	0.01	0.00	0.77	0.02
0.00									
C67	1.00	0.04	0.00	0.00	0.29	0.67	0.00	0.00	0.54
0.00									
C68	1.00	0.04	0.00	0.00	0.29	0.66	0.00	0.00	0.63
0.00									
C69	1.00	0.05	0.00	0.00	0.00	0.95	0.00	0.00	0.61
0.00									
C7	1.00	0.05	0.00	0.00	0.42	0.54	0.00	0.00	0.85
0.00									
C70	1.00	0.05	0.00	0.00	0.15	0.79	0.00	0.00	0.29
0.00									
C71	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.76
0.00									
C72	1.00	0.77	0.06	0.00	0.17	0.00	0.00	0.00	0.69
0.00									
C72_1	1.00	0.05	0.00	0.00	0.94	0.01	0.00	0.00	0.00
0.80									
C72_2	1.00	0.04	0.02	0.00	0.75	0.19	0.00	0.00	0.00
0.83									
C73	1.00	0.04	0.00	0.00	0.10	0.01	0.00	0.85	0.01
0.00									
C73_2	1.00	0.02	0.02	0.00	0.08	0.88	0.00	0.00	0.02
0.00									
C74	1.00	0.02	0.00	0.00	0.20	0.78	0.00	0.00	0.56
0.00									
C75	1.00	0.02	0.00	0.00	0.41	0.57	0.00	0.00	0.65
0.00									
C76	1.00	0.02	0.00	0.00	0.68	0.30	0.00	0.00	0.03
0.00									

C77	1.00	0.02	0.00	0.00	0.93	0.05	0.00	0.00	0.00
0.46									
C78	1.00	0.02	0.00	0.00	0.86	0.11	0.00	0.00	0.86
0.00									
C79	1.00	0.02	0.00	0.00	0.00	0.98	0.00	0.00	0.00
0.00									
C8	1.00	0.01	0.01	0.00	0.98	0.00	0.00	0.00	0.00
0.39									
C80	1.00	0.04	0.00	0.00	0.08	0.88	0.00	0.00	0.08
0.00									
C80_2	1.00	0.03	0.00	0.00	0.01	0.96	0.00	0.00	0.30
0.00									
C80_3	1.00	0.03	0.04	0.00	0.18	0.76	0.00	0.00	0.86
0.00									
C80_4	1.00	0.03	0.00	0.00	0.60	0.37	0.00	0.00	0.89
0.00									
C81	1.00	0.02	0.00	0.00	0.62	0.35	0.00	0.00	0.76
0.00									
C82	1.00	0.03	0.00	0.00	0.20	0.77	0.00	0.00	0.00
0.00									
C82_1	1.00	0.02	0.00	0.00	0.81	0.17	0.00	0.00	0.00
0.85									
C82_2	1.00	0.02	0.00	0.00	0.65	0.32	0.00	0.00	0.04
0.00									
C83	1.00	0.04	0.19	0.00	0.75	0.02	0.00	0.00	0.84
0.00									
C85	1.00	0.89	0.00	0.00	0.00	0.00	0.00	0.10	0.71
0.00									
C85_1	1.00	0.90	0.00	0.00	0.00	0.00	0.00	0.10	0.00
0.00									
C86	1.00	0.35	0.60	0.00	0.01	0.05	0.00	0.00	0.75
0.00									
C87	1.00	0.04	0.19	0.00	0.76	0.00	0.00	0.00	0.47
0.00									
C88	1.00	0.90	0.00	0.00	0.00	0.00	0.00	0.10	0.00
0.00									
C89	1.00	0.26	0.00	0.00	0.74	0.00	0.00	0.00	0.00
0.00									
C9	1.00	0.01	0.00	0.00	0.17	0.81	0.00	0.00	0.63
0.00									
C90	1.00	0.23	0.02	0.00	0.16	0.00	0.00	0.58	0.02
0.00									
C91	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.86
0.00									
C92	1.00	0.25	0.00	0.00	0.04	0.02	0.00	0.69	0.03
0.00									
C93	1.00	0.04	0.21	0.00	0.75	0.00	0.00	0.00	0.85
0.00									
C94	1.00	0.89	0.00	0.00	0.00	0.06	0.00	0.05	0.03
0.00									
C95	1.00	0.01	0.00	0.00	0.23	0.75	0.00	0.00	0.43
0.00									
C96	1.00	0.02	0.00	0.00	0.11	0.53	0.00	0.34	0.24
0.00									
C97	1.00	0.01	0.99	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C97_1	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.93
0.00									
C97_2	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.13
0.00									

C98	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C99	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

****
Conduit Surcharge Summary
****

Conduit	Hours Full: Both Ends	Hours Full: Upstream	Hours Full: Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
C108	0.01	0.01	0.14	0.01	0.01
C111	0.01	0.16	0.01	0.23	0.01
C113	0.01	0.01	0.01	0.07	0.01
C114	0.01	0.01	0.61	0.01	0.01
C119	0.04	0.04	0.21	0.01	0.01
C12	0.38	0.38	0.40	0.01	0.01
C120	0.11	0.21	0.11	0.01	0.11
C122_1	0.18	0.18	0.20	0.01	0.15
C122_2	0.01	0.20	0.01	0.01	0.01
C123	0.01	0.01	0.47	0.01	0.01
C124	0.50	0.53	0.57	0.49	0.47
C125	0.58	0.58	0.62	0.01	0.01
C126	0.42	0.42	0.50	0.01	0.01
C127	0.34	0.34	0.82	0.01	0.01
C127_1	0.27	0.43	0.27	0.46	0.27
C127_2	0.16	0.27	0.16	0.15	0.16
C128	1.22	1.22	1.23	0.75	0.01
C128_3	1.15	1.20	1.15	1.38	1.15
C128_4	0.01	1.40	0.01	1.37	0.01
C128_5	1.15	1.15	1.37	0.01	0.01
C129	0.64	0.64	4.31	0.01	0.01
C130_1	0.57	0.57	0.89	0.01	0.01
C131	0.41	0.41	0.46	0.10	0.01
C134	0.01	0.01	9.15	0.01	0.01
C137	0.76	0.76	0.81	0.01	0.01
C139	0.08	0.22	0.08	0.13	0.08
C141	0.01	0.01	0.01	0.21	0.01
C143	0.01	0.01	0.01	0.29	0.01
C144	0.11	0.11	0.22	0.01	0.01
C145	1.01	4.30	1.01	4.68	1.01
C147	0.05	0.05	0.11	0.01	0.01
C15	0.05	0.05	0.24	0.01	0.01
C150	0.01	0.01	0.01	0.14	0.01
C152	0.69	1.19	0.69	0.98	0.69
C153	0.01	0.01	0.68	0.01	0.01
C158	0.01	0.08	0.01	0.08	0.01
C159	0.01	0.01	9.12	0.01	0.01
C164	0.01	0.01	0.01	0.63	0.01
C18	0.01	0.47	0.01	0.25	0.01
C182	0.26	0.26	0.36	0.01	0.01
C183	0.22	0.22	0.34	0.01	0.01
C184	0.01	0.01	8.81	0.01	0.01

C186	0.01	0.01	8.95	0.01	0.01
C187	0.56	0.56	0.65	0.01	0.01
C188	0.41	0.41	0.70	0.01	0.01
C24	0.39	0.39	0.66	0.01	0.01
C25	0.67	0.67	1.01	0.11	0.63
C26	0.73	0.73	1.31	0.01	0.01
C27	1.28	1.59	1.28	0.20	1.25
C28	0.86	1.32	0.86	0.01	0.33
C29	0.01	0.48	0.01	0.01	0.01
C29_1	0.39	0.89	0.39	0.20	0.13
C29_2	0.35	0.35	0.47	0.01	0.01
C3	0.01	0.01	0.47	0.01	0.01
C3_1	0.01	0.39	0.01	0.01	0.01
C32	0.01	0.06	0.01	0.01	0.01
C34	0.01	0.01	0.01	0.34	0.01
C38	0.26	0.29	0.26	0.18	0.26
C39	0.28	0.30	0.28	0.01	0.28
C40	0.01	0.28	0.01	0.01	0.01
C43	0.46	0.46	0.49	0.18	0.01
C44	0.48	0.48	0.55	0.01	0.01
C45	0.55	0.55	0.75	0.06	0.15
C46	0.01	0.01	0.04	0.01	0.01
C46_1	0.01	0.01	10.91	0.01	0.01
C47	0.01	0.78	0.01	0.70	0.01
C48	0.57	0.57	0.80	0.01	0.49
C49	1.06	1.10	1.06	0.08	0.20
C5	0.01	0.01	0.22	0.01	0.01
C50	0.13	1.06	0.13	0.29	0.13
C51	0.01	0.01	0.93	0.01	0.01
C52	0.01	0.69	0.01	0.36	0.01
C53	0.78	0.85	0.79	0.01	0.01
C53_2	0.05	0.05	0.83	0.01	0.01
C54	0.82	0.82	0.82	0.01	0.47
C55	0.81	0.81	0.91	0.01	0.01
C56	0.01	0.93	0.01	0.91	0.01
C57	0.18	0.18	0.35	0.01	0.01
C58	0.30	0.30	0.39	0.01	0.01
C59	0.27	0.27	0.37	0.01	0.01
C6	0.01	0.01	0.13	0.01	0.01
C60	0.25	0.25	0.35	0.01	0.01
C61	0.89	1.06	0.89	0.15	0.27
C62	0.89	0.89	0.92	0.01	0.01
C63	0.93	0.93	1.19	0.32	0.74
C64	1.14	1.14	1.22	0.01	0.01
C65	0.01	0.01	0.46	0.01	0.01
C66	0.53	0.53	1.11	0.01	0.01
C7	0.01	0.01	0.14	0.01	0.01
C70	0.01	0.01	0.66	0.01	0.01
C71	0.01	0.01	0.68	0.01	0.01
C72	0.69	0.70	0.80	0.01	0.01
C72_1	0.78	0.83	0.80	0.01	0.43
C72_2	0.40	0.80	0.40	0.01	0.37
C73	0.40	0.40	0.44	0.01	0.01
C73_2	0.18	0.40	0.18	0.01	0.18
C75	0.01	0.01	0.01	0.01	0.01
C76	0.01	0.01	0.17	0.01	0.01
C77	0.44	1.43	0.44	0.97	0.44

C78	0.01	0.01	0.87	0.01	0.01
C79	0.01	0.82	0.01	0.01	0.01
C8	0.01	0.27	0.01	0.34	0.01
C82	0.01	0.56	0.01	0.01	0.01
C82_1	0.81	0.97	0.81	0.01	0.01
C82_2	0.81	0.81	0.82	0.01	0.81
C83	0.49	0.49	2.66	0.01	0.01
C87	1.49	1.49	2.06	0.01	0.01
C89	0.73	0.73	0.73	0.04	0.28
C90	0.73	0.73	0.81	0.01	0.01
C91	0.01	0.01	0.87	0.01	0.01
C93	0.50	0.50	0.57	0.01	0.01
C95	0.72	0.81	0.72	0.71	0.72
C96	0.72	0.72	1.09	0.01	0.01

Analysis begun on: Wed Sep 14 14:18:24 2022
Analysis ended on: Wed Sep 14 14:18:30 2022
Total elapsed time: 00:00:06

ALTERNATIVE RUNOFF METHOD (ARM) - PCSWMM VERSION 7.4.3240

This is a new version of ARM - your feedback and suggestions are solicited.
Create a ticket, post on the PCSWMM feature request forum, or email us directly!

Simulation start time:	11/01/2021 00:00:00
Simulation end time:	11/01/2021 12:00:00
Runoff wet weather time steps:	60 seconds
Report time steps:	180 seconds
Number of data points:	241

Unit Hydrographs Runoff Method

Subcatchment	Runoff Method	Raingage	Peak UH Flow (CFS/in)	Time to Peak (in)	Time after Peak (min)	Area UH (ac)	Depth (min)	Time of Concentration (min)
Basin1West	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in	8.529	6.5	26.66	59.46517	0.995	10
Basin2West	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in		5.3	21.33	255.37543		29.866 8 0.991
Basin3West	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in		7.7	31.99	72.9573		12.396 12 0.997
Basin4West	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in	5.536	4.7	18.66	53.3797	0.991	7
Basin7East	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in		5.9	23.99	182.32732		23.737 9 0.993
Basin10East	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in	8.904	5.3	21.33	76.1355	0.991	8
Basin5Central	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in		5.9	23.99	197.04439		25.653 9 0.993
Basin6East	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in		5.9	23.99	114.31079		14.882 9 0.993
Basin6Central	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in	4.448	5.3	21.33	38.03355	0.991	8
Basin3Central	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in	5.594	3.5	13.33	72.43231	0.994	5
Basin2Central	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in	6.172	2.3	8	121.61188	0.992	3
Basin1Central	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in		5.3	21.33	121.54831		14.215 8 0.991
Basin4Central	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in		7.7	31.99	83.99271		14.271 12 0.997
Basin4East	Dimensionless UH (483.4)	25YR_6HR_SCS_Type_III_4.82in	7.715	6.5	26.66	53.70087	0.995	10

Basin9East	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		4.254
7	4.7	18.66	41.01829	0.991	
Basin5East	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		2.468
5	3.5	13.33	31.95619	0.994	
Basin8East	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		
13.368 7	4.7	18.66	128.8981		
0.991					
Basin3East	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		
10.054 8	5.3	21.33	85.96881		
0.991					
Basin3.1East	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		5.642
9	5.9	23.99	43.33701	0.993	
Basin2East	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		7.984
8	5.3	21.33	68.26885	0.991	
Basin1East	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		
32.052 10	6.5	26.66	223.47024		
0.995					
Basin1.1West	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		
18.843 11.5	7.4	30.66	115.39746		
0.995					
Basin1.2West	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		5.956
10	6.5	26.66	41.52592	0.995	
Basin2.1West	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		7.295
10	6.5	26.66	50.86158	0.995	
Basin3.4West	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		
11.605 10	6.5	26.66	80.9114		
0.995					
Basin3.3West	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		5.053
6	4.1	16	55.8526	0.993	
Basin3.5West	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		
12.351 13	8.3	34.66	67.43758		
0.999					
Basin3.2West	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		3.736
8	5.3	21.33	31.94544	0.991	
Basin3.1West	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		1.463
3	2.3	8	28.82667	0.992	
Basin5West	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		2.28
4	2.9	10.66	35.62991	0.991	
Basin6West	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		8.24
9	5.9	23.99	63.29263	0.993	
Basin3.2East	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		2.469
9	5.9	23.99	18.96474	0.993	
Basin1.1Central	Dimensionless UH (483.4)		25YR_6HR_SCS_Type_III_4.82in		6.376
7	4.7	18.66	61.47922	0.991	

****
ARM Runoff Summary
****

Subcatchment	Total Precip (in)	Total Losses (in)	Total Runoff (in)	Total Runoff 10^6 gal	Peak Runoff CFS	Runoff Coeff (fraction)

Basin1West	4.82	1.261	3.559	0.824	39.715
0.738					
Basin2West	4.82	0.711	4.108	3.332	158.224
0.852					
Basin3West	4.82	1.993	2.827	0.952	45.278
0.586					
Basin4West	4.82	1.685	3.134	0.471	24.443
0.65					
Basin7East	4.82	1.422	3.396	2.189	108.245
0.704					
Basin10East	4.82	2.084	2.736	0.662	34.166
0.568					
Basin5Central	4.82	1.704	3.114	2.169	108.763
0.646					
Basin6East	4.82	1.855	2.964	1.198	60.378
0.615					
Basin6Central	4.82	1.422	3.398	0.41	20.644
0.705					
Basin3Central	4.82	0.906	3.913	0.594	29.824
0.812					
Basin2Central	4.82	0.949	3.842	0.644	32.837
0.797					
Basin1Central	4.82	1.54	3.279	1.266	64.07
0.68					
Basin4Central	4.82	1.422	3.397	1.317	61.64
0.705					
Basin4East	4.82	1.422	3.4	0.712	34.609
0.705					
Basin9East	4.82	1.422	3.397	0.392	20.064
0.705					
Basin5East	4.82	1.312	3.507	0.235	12.23
0.728					
Basin8East	4.82	1.422	3.396	1.233	63.05
0.705					
Basin3East	4.82	1.422	3.398	0.928	46.663
0.705					
Basin3.1East	4.82	1.422	3.396	0.52	25.729
0.705					
Basin2East	4.82	1.54	3.28	0.711	35.986
0.68					
Basin1East	4.82	1.54	3.281	2.856	139.546
0.681					
Basin1.1West	4.82	1.23	3.592	1.838	85.953
0.745					
Basin1.2West	4.82	1.342	3.479	0.563	27.232
0.722					
Basin2.1West	4.82	1.362	3.459	0.685	33.198
0.718					
Basin3.4West	4.82	1.055	3.767	1.187	56.37
0.782					
Basin3.3West	4.82	0.556	4.256	0.584	27.873
0.883					
Basin3.5West	4.82	1.511	3.31	1.11	51.187
0.687					
Basin3.2West	4.82	0.545	4.274	0.434	20.19
0.887					
Basin3.1West	4.82	0.237	4.549	0.181	8.327
0.944					
Basin5West	4.82	0.579	4.241	0.263	12.742
0.88					

Basin6West	4.82	0.744	4.072	0.911	42.734
0.845					
Basin3.2East	4.82	1.521	3.298	0.221	10.991
0.684					
Basin1.1Central	4.82	0.906	3.912	0.677	33.23
0.812					

EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.015)

Post field day
Overland split on Southwood Rd. and Trousdale St.

WARNING 03: negative offset ignored for Link C122_2
WARNING 03: negative offset ignored for Link C124
WARNING 03: negative offset ignored for Link C125
WARNING 03: negative offset ignored for Link C127_1
WARNING 03: negative offset ignored for Link C127_2
WARNING 04: minimum elevation drop used for Conduit C141
WARNING 04: minimum elevation drop used for Conduit C143
WARNING 04: minimum elevation drop used for Conduit C150
WARNING 04: minimum elevation drop used for Conduit C164
WARNING 03: negative offset ignored for Link C8
WARNING 03: negative offset ignored for Link C89
WARNING 04: minimum elevation drop used for Conduit C89
WARNING 03: negative offset ignored for Link C90
WARNING 02: maximum depth increased for Node J1
WARNING 02: maximum depth increased for Node J100
WARNING 02: maximum depth increased for Node J102
WARNING 02: maximum depth increased for Node J103
WARNING 02: maximum depth increased for Node J11
WARNING 02: maximum depth increased for Node J113
WARNING 02: maximum depth increased for Node J114
WARNING 02: maximum depth increased for Node J117
WARNING 02: maximum depth increased for Node J118
WARNING 02: maximum depth increased for Node J12
WARNING 02: maximum depth increased for Node J13
WARNING 02: maximum depth increased for Node J133
WARNING 02: maximum depth increased for Node J134
WARNING 02: maximum depth increased for Node J137
WARNING 02: maximum depth increased for Node J14
WARNING 02: maximum depth increased for Node J141
WARNING 02: maximum depth increased for Node J148
WARNING 02: maximum depth increased for Node J149
WARNING 02: maximum depth increased for Node J15
WARNING 02: maximum depth increased for Node J155
WARNING 02: maximum depth increased for Node J156
WARNING 02: maximum depth increased for Node J157
WARNING 02: maximum depth increased for Node J158
WARNING 02: maximum depth increased for Node J159
WARNING 02: maximum depth increased for Node J162
WARNING 02: maximum depth increased for Node J167
WARNING 02: maximum depth increased for Node J17
WARNING 02: maximum depth increased for Node J19
WARNING 02: maximum depth increased for Node J2

```
WARNING 02: maximum depth increased for Node J20
WARNING 02: maximum depth increased for Node J21
WARNING 02: maximum depth increased for Node J22
WARNING 02: maximum depth increased for Node J23
WARNING 02: maximum depth increased for Node J24
WARNING 02: maximum depth increased for Node J25
WARNING 02: maximum depth increased for Node J26
WARNING 02: maximum depth increased for Node J27
WARNING 02: maximum depth increased for Node J28
WARNING 02: maximum depth increased for Node J3
WARNING 02: maximum depth increased for Node J30
WARNING 02: maximum depth increased for Node J31
WARNING 02: maximum depth increased for Node J32
WARNING 02: maximum depth increased for Node J33
WARNING 02: maximum depth increased for Node J34
WARNING 02: maximum depth increased for Node J35
WARNING 02: maximum depth increased for Node J36
WARNING 02: maximum depth increased for Node J37
WARNING 02: maximum depth increased for Node J38
WARNING 02: maximum depth increased for Node J4
WARNING 02: maximum depth increased for Node J45
WARNING 02: maximum depth increased for Node J49
WARNING 02: maximum depth increased for Node J50
WARNING 02: maximum depth increased for Node J52
WARNING 02: maximum depth increased for Node J57
WARNING 02: maximum depth increased for Node J58
WARNING 02: maximum depth increased for Node J59
WARNING 02: maximum depth increased for Node J6
WARNING 02: maximum depth increased for Node J60
WARNING 02: maximum depth increased for Node J61
WARNING 02: maximum depth increased for Node J62
WARNING 02: maximum depth increased for Node J63
WARNING 02: maximum depth increased for Node J64
WARNING 02: maximum depth increased for Node J65
WARNING 02: maximum depth increased for Node J66
WARNING 02: maximum depth increased for Node J7
WARNING 02: maximum depth increased for Node J71
WARNING 02: maximum depth increased for Node J77
WARNING 02: maximum depth increased for Node J8
WARNING 02: maximum depth increased for Node J81
WARNING 02: maximum depth increased for Node J82
WARNING 02: maximum depth increased for Node J85
WARNING 02: maximum depth increased for Node J86
WARNING 02: maximum depth increased for Node J87
WARNING 02: maximum depth increased for Node J89
WARNING 02: maximum depth increased for Node J9
WARNING 02: maximum depth increased for Node J90
WARNING 02: maximum depth increased for Node J92
WARNING 02: maximum depth increased for Node J95
WARNING 02: maximum depth increased for Node J96
WARNING 02: maximum depth increased for Node J97
WARNING 02: maximum depth increased for Node J98
WARNING 02: maximum depth increased for Node J99

*************
Element Count
*************
```

Number of rain gages 6
Number of subcatchments ... 0
Number of nodes 186
Number of links 229
Number of pollutants 0
Number of land uses 0

****
Raingage Summary
****

Name	Data Source	Data Type	Recording Interval
100YR_24HR_SCS_Type_III_9.58in	100YR_24HR_SCS_Type_III_9.58in	CUMULATIVE	6 min.
10YR_6HR_SCS_Type_III_4in	10YR_6HR_SCS_Type_III_4in	CUMULATIVE	6 min.
25YR_24HR_SCS_Type_III_7.19in	25YR_24HR_SCS_Type_III_7.19in	CUMULATIVE	6 min.
25YR_6HR_SCS_Type_III_4.82in	25YR_6HR_SCS_Type_III_4.82in	CUMULATIVE	6 min.
2YR_6HR_SCS_Type_III_2.86in	2YR_6HR_SCS_Type_III_2.86in	CUMULATIVE	6 min.
5YR_6HR_SCS_Type_III_3.45in	5YR_6HR_SCS_Type_III_3.45in	CUMULATIVE	6 min.

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J1	JUNCTION	848.39	5.60	0.0	
J10	JUNCTION	879.04	7.56	100.0	
J100	JUNCTION	905.61	3.75	0.0	
J101	JUNCTION	963.28	6.00	0.0	
J102	JUNCTION	998.19	1.57	0.0	
J103	JUNCTION	996.01	1.50	0.0	
J104	JUNCTION	980.09	3.20	100.0	
J105	JUNCTION	979.08	3.30	100.0	
J106	JUNCTION	976.93	4.51	0.0	
J107	JUNCTION	990.78	1.33	0.0	
J108	JUNCTION	1008.00	5.20	100.0	
J109	JUNCTION	978.18	3.00	100.0	
J11	JUNCTION	898.40	3.76	0.0	
J110	JUNCTION	1014.00	5.00	100.0	
J111	JUNCTION	1007.80	5.30	100.0	
J112	JUNCTION	998.36	2.90	0.0	
J113	JUNCTION	1037.24	4.90	100.0	
J114	JUNCTION	891.30	8.97	0.0	
J115	JUNCTION	892.11	5.20	0.0	
J116	JUNCTION	894.30	4.30	0.0	
J117	JUNCTION	882.08	8.97	0.0	
J118	JUNCTION	890.79	8.97	0.0	
J119	JUNCTION	890.63	5.20	0.0	
J12	JUNCTION	895.95	3.75	0.0	
J120	JUNCTION	891.47	4.40	0.0	
J121	JUNCTION	892.13	4.20	0.0	
J122	JUNCTION	893.91	3.70	0.0	
J123	JUNCTION	893.13	2.71	0.0	
J124	JUNCTION	893.48	3.61	0.0	

J125	JUNCTION	881.65	5.77	0.0
J126	JUNCTION	877.62	6.77	0.0
J127	JUNCTION	884.30	5.10	0.0
J128	JUNCTION	882.80	3.98	0.0
J129	JUNCTION	877.05	4.15	0.0
J13	JUNCTION	860.36	7.64	100.0
J130	JUNCTION	862.87	4.72	0.0
J131	JUNCTION	861.66	3.52	0.0
J132	JUNCTION	991.90	5.08	100.0
J133	JUNCTION	983.79	8.56	0.0
J134	JUNCTION	1042.79	3.17	100.0
J135	JUNCTION	977.09	12.01	0.0
J136	JUNCTION	973.46	13.81	0.0
J137	JUNCTION	970.71	5.29	0.0
J138	JUNCTION	971.38	13.62	0.0
J139	JUNCTION	959.50	5.50	0.0
J14	JUNCTION	858.82	9.76	0.0
J140	JUNCTION	931.15	5.34	100.0
J141	JUNCTION	929.49	4.45	0.0
J142	JUNCTION	1046.96	2.78	100.0
J143	JUNCTION	1033.97	4.65	0.0
J144	JUNCTION	966.77	2.73	100.0
J145	JUNCTION	967.65	3.00	100.0
J146	JUNCTION	967.65	2.43	100.0
J147	JUNCTION	1046.25	3.56	100.0
J148	JUNCTION	929.08	3.00	0.0
J149	JUNCTION	1073.88	2.63	100.0
J15	JUNCTION	858.44	8.64	0.0
J150	JUNCTION	1046.00	4.00	100.0
J151	JUNCTION	996.50	3.11	0.0
J154	JUNCTION	976.81	5.16	0.0
J155	JUNCTION	977.16	5.29	0.0
J156	JUNCTION	978.64	4.52	0.0
J157	JUNCTION	980.77	3.23	0.0
J158	JUNCTION	980.80	3.20	100.0
J159	JUNCTION	1002.16	6.84	0.0
J16	JUNCTION	856.93	6.36	0.0
J160	JUNCTION	1029.71	1.00	0.0
J161	JUNCTION	1014.00	1.00	0.0
J162	JUNCTION	1003.98	5.02	0.0
J163	JUNCTION	1008.97	5.54	0.0
J164	JUNCTION	1009.11	5.39	0.0
J165	JUNCTION	1011.41	2.98	0.0
J166	JUNCTION	976.00	5.00	0.0
J167	JUNCTION	965.91	3.00	0.0
J168	JUNCTION	912.61	5.18	0.0
J169	JUNCTION	912.00	5.00	0.0
J17	JUNCTION	854.58	6.36	0.0
J170	JUNCTION	908.86	4.80	0.0
J171	JUNCTION	905.27	6.32	0.0
J172	JUNCTION	901.90	8.74	0.0
J173	JUNCTION	910.94	3.85	0.0
J174	JUNCTION	909.90	4.00	0.0
J175	JUNCTION	908.08	4.70	0.0
J176	JUNCTION	901.94	7.47	0.0
J177	JUNCTION	900.54	7.20	0.0
J178	JUNCTION	903.72	3.19	0.0

J179	JUNCTION	898.29	4.45	0.0
J18	JUNCTION	853.55	6.32	0.0
J180	JUNCTION	895.32	4.80	0.0
J181	JUNCTION	890.00	4.59	0.0
J182	JUNCTION	888.43	5.27	0.0
J183	JUNCTION	884.34	2.35	0.0
J184	JUNCTION	861.91	3.50	0.0
J185	JUNCTION	927.55	2.80	0.0
J186	JUNCTION	926.20	3.52	0.0
J187	JUNCTION	1011.79	3.00	0.0
J19	JUNCTION	848.41	4.34	0.0
J2	JUNCTION	861.21	6.39	0.0
J20	JUNCTION	845.32	9.99	0.0
J21	JUNCTION	863.59	6.88	100.0
J22	JUNCTION	863.98	8.40	100.0
J23	JUNCTION	863.86	11.03	0.0
J24	JUNCTION	864.84	11.03	0.0
J25	JUNCTION	865.83	8.02	0.0
J26	JUNCTION	867.96	5.24	0.0
J27	JUNCTION	871.54	8.97	0.0
J28	JUNCTION	943.21	4.80	0.0
J29	JUNCTION	926.69	4.47	100.0
J3	JUNCTION	853.15	10.09	0.0
J30	JUNCTION	922.02	5.00	0.0
J31	JUNCTION	919.62	7.26	100.0
J32	JUNCTION	919.27	6.35	100.0
J33	JUNCTION	917.74	7.30	0.0
J34	JUNCTION	899.22	9.20	0.0
J35	JUNCTION	908.54	8.20	0.0
J36	JUNCTION	897.71	6.13	0.0
J37	JUNCTION	896.92	6.43	0.0
J38	JUNCTION	887.13	6.43	0.0
J39	JUNCTION	885.67	5.62	0.0
J4	JUNCTION	854.42	9.15	0.0
J40	JUNCTION	903.56	8.96	0.0
J41	JUNCTION	894.45	14.60	0.0
J42	JUNCTION	898.27	8.20	0.0
J43	JUNCTION	895.14	4.23	0.0
J44	JUNCTION	889.39	5.20	0.0
J45	JUNCTION	887.35	8.97	0.0
J46	JUNCTION	1029.23	5.58	100.0
J47	JUNCTION	1029.03	4.84	100.0
J48	JUNCTION	1028.23	4.05	100.0
J49	JUNCTION	1027.18	4.65	0.0
J5	JUNCTION	853.85	8.57	0.0
J50	JUNCTION	1011.69	4.10	100.0
J51	JUNCTION	1005.32	4.55	0.0
J52	JUNCTION	996.69	6.28	100.0
J53	JUNCTION	1072.41	2.60	100.0
J54	JUNCTION	1070.72	2.50	100.0
J55	JUNCTION	1065.60	3.05	100.0
J56	JUNCTION	1050.60	3.20	100.0
J57	JUNCTION	1014.89	2.68	0.0
J58	JUNCTION	1045.75	2.00	0.0
J59	JUNCTION	1034.52	7.50	100.0
J6	JUNCTION	866.40	5.64	0.0
J60	JUNCTION	1021.50	5.90	100.0

J61	JUNCTION	1002.60	5.11	100.0
J62	JUNCTION	1001.78	6.11	100.0
J63	JUNCTION	995.85	4.43	0.0
J64	JUNCTION	986.80	6.96	0.0
J65	JUNCTION	986.54	7.22	0.0
J66	JUNCTION	978.86	5.27	0.0
J67	JUNCTION	982.37	4.70	0.0
J68	JUNCTION	976.97	6.82	0.0
J69	JUNCTION	976.37	5.85	100.0
J7	JUNCTION	875.38	11.00	0.0
J70	JUNCTION	973.41	3.12	100.0
J71	JUNCTION	969.66	3.00	0.0
J72	JUNCTION	1055.62	6.83	100.0
J74	JUNCTION	1052.29	2.20	100.0
J75	JUNCTION	1053.01	3.20	100.0
J76	JUNCTION	1053.68	3.35	100.0
J77	JUNCTION	1028.46	6.26	100.0
J78	JUNCTION	1021.44	4.25	100.0
J79	JUNCTION	1026.15	3.55	100.0
J8	JUNCTION	875.08	10.02	0.0
J80	JUNCTION	1014.55	5.90	100.0
J81	JUNCTION	1015.00	5.55	100.0
J82	JUNCTION	1014.00	6.45	100.0
J83	JUNCTION	1019.80	3.10	0.0
J84	JUNCTION	1018.05	4.75	0.0
J85	JUNCTION	988.25	3.23	0.0
J86	JUNCTION	987.17	3.54	0.0
J87	JUNCTION	986.40	4.54	0.0
J88	JUNCTION	985.65	3.40	0.0
J89	JUNCTION	981.52	5.60	100.0
J9	JUNCTION	875.66	11.00	0.0
J90	JUNCTION	980.25	8.35	0.0
J91	JUNCTION	1048.66	4.60	100.0
J92	JUNCTION	975.95	7.26	100.0
J95	JUNCTION	973.39	7.34	100.0
J96	JUNCTION	972.40	7.72	100.0
J97	JUNCTION	964.70	9.36	100.0
J98	JUNCTION	962.53	9.90	0.0
J99	JUNCTION	961.98	6.10	0.0
OF1	OUTFALL	843.04	9.99	0.0
J73	STORAGE	1048.58	6.10	0.0
SU1	STORAGE	948.10	3.90	0.0
SU2	STORAGE	890.46	4.70	0.0

****
Link Summary
****

Name	From Node	To Node	Type	Length	% Slope	Roughness
5	J33	J35	CONDUIT	225.8	3.6761	0.0110
C1	J20	OF1	CONDUIT	67.8	3.3701	0.0300
C10	J16	J17	CONDUIT	138.2	1.7001	0.0300

C100	J119	J118	CONDUIT	17.1	-0.9335
0.0130					
C101	J118	J117	CONDUIT	112.3	7.7752
0.0350					
C102	J120	J119	CONDUIT	31.1	1.7354
0.0130					
C103	J122	J120	CONDUIT	15.7	15.0984
0.0130					
C104	J121	J120	CONDUIT	29.8	0.8725
0.0130					
C105	J123	J121	CONDUIT	98.2	0.7636
0.0130					
C106	J124	J123	CONDUIT	19.8	0.8096
0.0130					
C107	J39	J27	CONDUIT	204.9	6.9145
0.0400					
C108	J125	J126	CONDUIT	48.3	8.1639
0.0130					
C109	J127	J125	CONDUIT	33.9	2.8324
0.0130					
C110	J128	J126	CONDUIT	57.9	8.4218
0.0130					
C111	J126	J129	CONDUIT	42.3	1.2296
0.0130					
C112	J129	J130	CONDUIT	168.9	8.3840
0.0130					
C113	J130	J131	CONDUIT	50.9	2.1427
0.0130					
C114	J131	J15	CONDUIT	42.4	7.6089
0.0130					
C115	J49	J50	CONDUIT	270.3	5.7404
0.0130					
C116	J31	J32	CONDUIT	17.0	7.4225
0.0200					
C116_2	J77	J81	CONDUIT	467.7	3.0310
0.0500					
C117	J61	J62	CONDUIT	31.5	-0.5709
0.0130					
C118	J52	J132	CONDUIT	80.9	5.9291
0.0130					
C119	J133	J135	CONDUIT	61.8	10.8979
0.0130					
C12	J1	J19	CONDUIT	629.1	-0.0027
0.0130					
C120	J135	J136	CONDUIT	157.0	2.0390
0.0130					
C121	J102	J107	CONDUIT	196.8	4.2121
0.0230					
C122	J137	J139	CONDUIT	200.3	5.6060
0.0240					
C122_1	J136	J138	CONDUIT	76.9	2.7043
0.0130					
C122_2	J138	J137	CONDUIT	24.7	2.7121
0.0130					
C123	J139	J140	CONDUIT	673.1	4.1099
0.0130					
C124	J140	J141	CONDUIT	82.4	1.8929
0.0130					
C125	J141	J29	CONDUIT	67.9	2.1798
0.0130					

C126	J147	J150	CONDUIT	11.7	2.1378	0.0130
C127	J142	J150	CONDUIT	17.5	5.4786	0.0130
C127_1	J73	J150	CONDUIT	142.3	1.8133	0.0130
C127_2	J150	J143	CONDUIT	166.6	7.2378	0.0130
C128	J82	J110	CONDUIT	12.1	0.4147	0.0130
C128_1	J141	J148	CONDUIT	73.5	3.8944	0.0300
C128_2	J148	J30	CONDUIT	125.1	4.0485	0.0300
C128_3	J80	J110	CONDUIT	194.5	0.2828	0.0130
C128_4	J111	J151	CONDUIT	220.7	5.1257	0.0130
C128_5	J110	J111	CONDUIT	75.6	8.2259	0.0130
C128_7	J151	J85	CONDUIT	157.3	5.2511	0.0130
C129	J139	J32	CONDUIT	1077.2	3.7373	0.0230
C13	J17	J18	CONDUIT	13.0	7.9280	0.0300
C130	J112	J151	CONDUIT	39.2	2.1959	0.0130
C130_1	J30	J31	CONDUIT	99.8	0.9822	0.0300
C131	J149	J53	CONDUIT	26.1	5.6414	0.0130
C132	J59	J60	CONDUIT	200.0	7.3292	0.0240
C132_1	J149	J113	CONDUIT	365.2	9.4532	0.0220
C133	J156	J155	CONDUIT	19.8	3.5902	0.0200
C134	J57	J61	CONDUIT	98.7	12.2487	0.0240
C135	J58	J134	CONDUIT	41.8	1.8855	0.0300
C136	J134	J59	CONDUIT	87.8	4.4935	0.0220
C137	J144	J101	CONDUIT	19.1	4.3962	0.0130
C138	J57	J61	CONDUIT	100.1	9.8993	0.0200
C139	J155	J154	CONDUIT	31.2	1.1207	0.0130
C14	J18	J1	CONDUIT	170.0	3.0361	0.0300
C140	J62	J63	CONDUIT	119.3	6.3900	0.0200
C141	J64	J65	CONDUIT	36.8	0.0027	0.0200
C142	J66	J71	CONDUIT	192.3	6.8447	0.0240
C143	J162	J159	CONDUIT	30.6	0.0033	0.0240

C144	J156	J155	CONDUIT	17.6	
8.4448	0.0130				
C145	J158	J157	CONDUIT	5.8	
0.5156	0.0240				
C146	J134	J59	CONDUIT	78.9	
10.5400	0.0130				
C147	J157	J156	CONDUIT	17.9	
12.0180	0.0300				
C148	J35	J34	CONDUIT	224.8	
3.7058	0.0110				
C149	J34	J36	CONDUIT	43.5	
10.5722	0.0110				
C15	J13	J14	CONDUIT	22.3	
6.9280	0.0300				
C150	J22	J21	CONDUIT	14.3	
0.0070	0.0130				
C151	J14	J15	CONDUIT	65.6	
0.7618	0.0200				
C152	J162	J159	CONDUIT	24.4	
7.4931	0.0140				
C153	J159	J158	CONDUIT	392.2	
5.4549	0.0300				
C154	J163	J164	CONDUIT	10.6	-
1.3197	0.0130				
C155	J164	J162	CONDUIT	117.0	
4.3891	0.0300				
C156	J98	J99	CONDUIT	17.4	
13.5980	0.0240				
C157	J165	J163	CONDUIT	35.7	
6.7745	0.0130				
C158	J154	J166	CONDUIT	12.3	
6.5938	0.0300				
C159	J81	J82	CONDUIT	33.0	
16.9258	0.0110				
C16	J2	J13	CONDUIT	55.0	
1.5381	0.0300				
C160	J166	J167	CONDUIT	256.7	
3.9321	0.0240				
C160_3	J82	J85	CONDUIT	460.5	
6.4084	0.0110				
C161	J168	J169	CONDUIT	45.2	
1.3500	0.0130				
C162	J169	J40	CONDUIT	95.0	
8.8905	0.0130				
C163	J113	J59	CONDUIT	31.2	
0.3849	0.0110				
C164	J158	J157	CONDUIT	7.9	
0.0127	0.0240				
C165	J170	J40	CONDUIT	9.9	
3.0317	0.0130				
C166	J89	J90	CONDUIT	21.0	
2.4827	0.0110				
C167	J173	J174	CONDUIT	18.8	
0.4785	0.0130				
C168	J85	J87	CONDUIT	127.1	
0.0464	0.0110				
C169	J174	J175	CONDUIT	41.1	
3.7039	0.0130				
C169_2	J95	J96	CONDUIT	16.9	
3.6067	0.0110				

C169_3	J92	J109	CONDUIT	49.8	
4.0715	0.0110				
C169_4	J109	J95	CONDUIT	11.1	
4.0655	0.0110				
C17	J21	J2	CONDUIT	66.4	
3.5867	0.0300				
C170	J175	J172	CONDUIT	70.7	
4.3764	0.0130				
C170_4	J160	J161	CONDUIT	268.8	
5.8529	0.0350				
C170_6	J161	J52	CONDUIT	309.4	
3.8913	0.0350				
C171	J49	J160	CONDUIT	18.6	
6.0381	0.0350				
C172	J50	J161	CONDUIT	9.0	
8.7892	0.0350				
C173	J176	J41	CONDUIT	9.5	
128.9248	0.0130				
C174	J133	J137	CONDUIT	317.6	
5.1556	0.0110				
C175	J13	J14	CONDUIT	27.0	-
2.1514	0.0240				
C176	J4	J3	CONDUIT	42.1	
0.7795	0.0110				
C177	J19	J20	CONDUIT	6.5	
15.3877	0.0240				
C178	J177	J42	CONDUIT	14.8	
15.5118	0.0130				
C179	J178	J42	CONDUIT	56.6	
9.6750	0.0130				
C18	J22	J21	CONDUIT	12.8	
3.0469	0.0350				
C180	J179	J180	CONDUIT	48.6	
3.8523	0.0130				
C181	J180	J43	CONDUIT	10.4	
0.5776	0.0130				
C182	SU2	J181	CONDUIT	3.7	
7.0713	0.0300				
C183	J181	J44	CONDUIT	8.3	
4.0998	0.0130				
C184	J184	J15	CONDUIT	71.3	
4.8694	0.0130				
C185	J185	J186	CONDUIT	37.3	
3.1676	0.0240				
C186	J186	J31	CONDUIT	123.3	
5.3451	0.0240				
C187	J187	J50	CONDUIT	10.9	
0.9154	0.0130				
C188	J91	J73	CONDUIT	56.2	
2.5285	0.0130				
C19	J23	J22	CONDUIT	15.7	-
0.7565	0.0350				
C2	J3	J1	CONDUIT	167.0	
2.8539	0.0300				
C20	J24	J23	CONDUIT	60.4	
1.6158	0.0350				
C21	J25	J24	CONDUIT	38.7	
2.5786	0.0350				
C22	J26	J25	CONDUIT	50.0	
4.2576	0.0350				

C23	J27	J26	CONDUIT	71.5	5.0115	0.0350
C24	J28	J29	CONDUIT	86.6	18.3150	0.0130
C25	J29	J30	CONDUIT	123.9	3.7729	0.0130
C26	J30	J31	CONDUIT	94.8	2.5231	0.0350
C27	J31	J32	CONDUIT	13.3	1.7267	0.0130
C28	J32	J33	CONDUIT	37.8	3.5214	0.0130
C29	J34	J36	CONDUIT	39.2	3.8503	0.0130
C29_1	J33	J35	CONDUIT	220.0	4.1838	0.0130
C29_2	J35	J34	CONDUIT	220.7	4.1837	0.0130
C3	J6	J4	CONDUIT	157.5	7.6283	0.0350
C3_1	J4	J5	CONDUIT	16.1	3.5081	0.0200
C3_2	J5	J3	CONDUIT	19.9	3.5062	0.0200
C30	J36	J37	CONDUIT	61.8	1.2700	0.0350
C31	J37	J38	CONDUIT	119.3	8.2389	0.0350
C32	J38	J39	CONDUIT	37.5	3.8947	0.0130
C33	J171	J172	CONDUIT	8.9	3.2649	0.0130
C33_1	J40	J172	CONDUIT	67.9	2.1662	0.0130
C33_2	J172	J41	CONDUIT	80.0	4.1897	0.0130
C34	J41	J42	CONDUIT	65.0	0.1538	0.0130
C35	J42	J180	CONDUIT	151.0	2.0069	0.0130
C36	J43	J44	CONDUIT	113.2	4.1470	0.0130
C37	J183	J24	CONDUIT	133.6	11.0401	0.0130
C37_1	J44	J182	CONDUIT	19.0	5.0511	0.0130
C37_2	J182	J45	CONDUIT	21.4	5.0520	0.0240
C38	J46	J47	CONDUIT	28.9	0.6923	0.0130
C39	J47	J48	CONDUIT	26.0	3.0787	0.0130
C4	J9	J7	CONDUIT	36.6	0.7648	0.0200
C4_1	J7	J8	CONDUIT	23.2	1.2936	0.0350
C4_2	J8	J6	CONDUIT	132.2	6.5817	0.0350
C40	J48	J49	CONDUIT	39.2	2.6820	0.0130

C41	J50	J51	CONDUIT	130.2	4.8608	0.0130
C42	J51	J52	CONDUIT	181.9	4.7156	0.0130
C43	J53	J54	CONDUIT	41.8	3.8027	0.0130
C44	J54	J55	CONDUIT	73.5	6.5676	0.0130
C45	J55	J56	CONDUIT	126.2	11.7638	0.0130
C46	J132	J133	CONDUIT	152.3	5.3320	0.0130
C46_1	J58	J134	CONDUIT	39.1	7.5956	0.0400
C46_2	J134	J113	CONDUIT	73.5	5.2095	0.0230
C47	J56	J58	CONDUIT	119.5	4.0625	0.0130
C48	J59	J60	CONDUIT	196.9	6.5253	0.0130
C49	J61	J62	CONDUIT	29.3	2.7633	0.0130
C5	J10	J9	CONDUIT	26.5	12.8583	0.0350
C50	J62	J63	CONDUIT	114.5	5.1838	0.0130
C51	J63	J64	CONDUIT	147.2	6.1595	0.0350
C52	J64	J65	CONDUIT	33.3	0.7805	0.0130
C53	J66	J68	CONDUIT	15.7	10.1699	0.0130
C53_1	J65	J67	CONDUIT	109.9	3.7993	0.0350
C53_2	J67	J66	CONDUIT	92.4	3.7961	0.0350
C54	J68	J69	CONDUIT	70.7	0.8487	0.0130
C55	J69	J70	CONDUIT	104.7	2.6852	0.0130
C56	J70	J71	CONDUIT	97.7	3.8415	0.0240
C57	J72	J73	CONDUIT	217.5	3.1461	0.0130
C58	J74	J73	CONDUIT	45.0	4.6907	0.0130
C59	J75	J73	CONDUIT	42.1	6.2528	0.0130
C6	J11	J10	CONDUIT	160.9	12.1204	0.0350
C60	J76	J73	CONDUIT	48.8	6.5780	0.0130
C61_1	J77	J79	CONDUIT	84.1	2.6298	0.0240
C61_2	J79	J78	CONDUIT	46.8	9.7950	0.0240
C63	J78	J80	CONDUIT	152.5	4.4248	0.0240
C64	J81	J82	CONDUIT	31.2	3.0438	0.0130

C65	J83	J84	CONDUIT	28.1	6.0536	0.0130
C66	J84	J81	CONDUIT	30.8	8.4762	0.0130
C67	J85	J86	CONDUIT	102.1	1.0612	0.0240
C68	J86	J87	CONDUIT	19.8	3.8539	0.0240
C69	J87	J88	CONDUIT	14.5	5.2122	0.0100
C7	J12	J10	CONDUIT	166.7	10.1972	0.0350
C70	J88	J89	CONDUIT	54.5	7.5991	0.0100
C71	J89	J90	CONDUIT	19.1	6.6584	0.0240
C72_1	J90	J106	CONDUIT	94.4	3.5146	0.0130
C73	J104	J105	CONDUIT	40.8	1.9870	0.0130
C73_2	J106	J92	CONDUIT	42.7	2.3084	0.0130
C75	J92	J95	CONDUIT	59.3	4.3130	0.0240
C77	J95	J96	CONDUIT	16.5	6.0122	0.0130
C78	J96	J97	CONDUIT	159.8	4.8252	0.0240
C79	J98	J99	CONDUIT	15.5	3.5564	0.0130
C8	J14	J15	CONDUIT	61.9	0.6168	0.0300
C80	SU1	J11	CONDUIT	663.7	7.5091	0.0350
C80_2	J100	J12	CONDUIT	184.4	5.2484	0.0350
C80_3	J71	J167	CONDUIT	71.5	5.2489	0.0130
C80_4	J167	J100	CONDUIT	1151.0	5.2463	0.0130
C81	J99	SU1	CONDUIT	831.8	1.6689	0.0130
C82	J102	J103	CONDUIT	145.8	1.4950	0.0130
C82_1	J97	J101	CONDUIT	43.4	3.2716	0.0130
C82_2	J101	J98	CONDUIT	42.0	1.7879	0.0130
C83	J105	J106	CONDUIT	44.6	4.8220	0.0130
C85	J60	J57	CONDUIT	83.6	11.8461	0.0240
C85_1	J90	J92	CONDUIT	139.6	3.8680	0.0240
C86	J28	J148	CONDUIT	86.0	20.0892	0.0240
C87	J108	J111	CONDUIT	22.3	0.8965	0.0130
C88	J32	J33	CONDUIT	43.1	1.3473	0.0130

C89	J145	J146	CONDUIT	43.0	0.0023
0.0130					
C9	J15	J16	CONDUIT	11.2	13.6396
0.0300					
C90	J146	J101	CONDUIT	43.3	4.7851
0.0130					
C91	J143	J77	CONDUIT	110.6	4.9863
0.0300					
C92	J107	J98	CONDUIT	662.5	3.2246
0.0230					
C93	J113	J59	CONDUIT	29.0	9.4192
0.0130					
C94	J97	J98	CONDUIT	86.4	1.8863
0.0110					
C95	J60	J57	CONDUIT	79.7	8.3201
0.0130					
C96	J57	J61	CONDUIT	95.7	12.7355
0.0130					
C97	J114	J117	CONDUIT	179.8	5.1330
0.0350					
C97_1	J45	J117	CONDUIT	174.9	3.0135
0.0350					
C97_2	J117	J27	CONDUIT	358.8	2.9401
0.0350					
C98	J116	J115	CONDUIT	40.6	5.1553
0.0130					
C99	J115	J114	CONDUIT	16.5	4.9138
0.0130					
C11	J19	J20	WEIR		
C84	J103	J104	WEIR		

****
Cross Section Summary
****

Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
5	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	514.48
C1	XS1	9.99	238.32	6.06	30.55	1	7203.86
C10	XS11	6.36	52.31	2.72	10.60	1	657.98
C100	CIRCULAR	2.50	4.91	0.63	2.50	1	39.63
C101	XS28	8.97	139.40	0.70	29.94	1	1306.86
C102	CIRCULAR	2.50	4.91	0.63	2.50	1	54.03
C103	CIRCULAR	1.50	1.77	0.38	1.50	1	40.82
C104	CIRCULAR	2.00	3.14	0.50	2.00	1	21.13
C105	CIRCULAR	1.50	1.77	0.38	1.50	1	9.18

C106	CIRCULAR	1.50	1.77	0.38	1.50	1	9.45
C107	XS29	3.98	58.71	1.70	32.88	1	815.30
C108	CIRCULAR	2.00	3.14	0.50	2.00	1	64.64
C109	CIRCULAR	2.00	3.14	0.50	2.00	1	38.07
C110	CIRCULAR	1.50	1.77	0.38	1.50	1	30.48
C111	CIRCULAR	2.00	3.14	0.50	2.00	1	25.09
C112	CIRCULAR	2.00	3.14	0.50	2.00	1	65.50
C113	CIRCULAR	2.00	3.14	0.50	2.00	1	33.11
C114	CIRCULAR	2.00	3.14	0.50	2.00	1	62.40
C115	CIRCULAR	3.00	7.07	0.75	3.00	1	159.80
C116	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	402.08
C116_2	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1	206.06
C117	RECT_OPEN	1.00	27.00	0.93	27.00	1	222.36
C118	CIRCULAR	3.00	7.07	0.75	3.00	1	162.41
C119	CIRCULAR	3.50	9.62	0.88	3.50	1	332.13
C12	TRAPEZOIDAL	2.50	1275.00	2.45	520.00	1	1376.51
C120	CIRCULAR	3.50	9.62	0.88	3.50	1	143.66
C121	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	51.62
C122	RECT_OPEN	4.00	14.00	1.22	3.50	1	234.00
C122_1	ARCH	3.00	10.64	0.90	4.50	1	186.01
C122_2	ARCH	3.00	10.64	0.90	4.50	1	186.28
C123	ARCH	2.61	8.80	0.80	4.26	1	175.74
C124	RECT_CLOSED	3.00	15.00	0.94	5.00	1	225.96
C125	RECT_CLOSED	3.00	15.00	0.94	5.00	1	242.49
C126	CIRCULAR	1.50	1.77	0.38	1.50	1	15.36
C127	CIRCULAR	1.00	0.79	0.25	1.00	1	8.34
C127_1	ARCH	3.00	11.40	0.90	4.88	1	163.57
C127_2	ARCH	3.00	11.40	0.90	4.88	1	326.80
C128	CIRCULAR	1.67	2.19	0.42	1.67	1	9.01
C128_1	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	194.16

C128_2	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1	628.29
C128_3	ARCH	3.00	11.40	0.90	4.88	1	64.60
C128_4	RECT_CLOSED	3.00	18.00	1.00	6.00	1	465.83
C128_5	ARCH	3.00	11.40	0.90	4.88	1	348.39
C128_7	RECT_CLOSED	3.00	18.00	1.00	6.00	1	471.49
C129	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	48.63
C13	RECT_CLOSED	4.30	33.54	1.39	7.80	1	581.49
C130	CIRCULAR	1.25	1.23	0.31	1.25	1	9.57
C130_1	TRAPEZOIDAL	1.00	24.00	0.85	28.00	1	105.69
C131	CIRCULAR	1.50	1.77	0.38	1.50	1	24.95
C132	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	166.42
C132_1	RECT_OPEN	1.00	5.00	0.71	5.00	1	82.97
C133	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	139.77
C134	RECT_OPEN	0.71	1.60	0.44	2.25	1	19.88
C135	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1	79.81
C136	RECT_OPEN	1.00	27.00	0.93	27.00	1	368.61
C137	CIRCULAR	1.25	1.23	0.31	1.25	1	13.54
C138	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	232.09
C139	CIRCULAR	3.00	7.07	0.75	3.00	1	70.61
C14	XS10	5.60	55.08	2.13	19.46	1	787.64
C140	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1	220.38
C141	TRAPEZOIDAL	2.00	36.00	1.36	26.00	1	17.11
C142	TRAPEZOIDAL	1.00	14.00	0.77	18.00	1	190.07
C143	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1	22.30
C144	CIRCULAR	3.00	7.07	0.75	3.00	1	193.82
C145	CIRCULAR	0.67	0.35	0.17	0.67	1	0.48
C146	CIRCULAR	2.00	3.14	0.50	2.00	1	73.44
C147	RECT_OPEN	2.50	7.50	0.94	3.00	1	123.36
C148	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	258.19
C149	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	436.10

C15	XS14	4.64	44.90	2.40	20.83	1
1050.32						
C150	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
18.99						
C151	TRAPEZOIDAL	2.00	44.00	1.71	24.00	1
408.83						
C152	CIRCULAR	1.00	0.79	0.25	1.00	1
9.06						
C153	RECT_OPEN	2.50	7.50	0.94	3.00	1
83.11						
C154	CIRCULAR	1.50	1.77	0.38	1.50	1
12.07						
C155	RECT_OPEN	2.50	10.00	1.11	4.00	1
111.32						
C156	TRAPEZOIDAL	1.00	16.00	0.90	17.00	1
339.89						
C157	CIRCULAR	1.50	1.77	0.38	1.50	1
27.34						
C158	CIRCULAR	3.00	7.07	0.75	3.00	1
74.22						
C159	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
2213.36						
C16	XS15	6.39	91.07	3.40	28.37	1
1263.79						
C160	RECT_OPEN	2.50	10.00	1.11	4.00	1
131.71						
C160_3	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
1361.93						
C161	CIRCULAR	1.50	1.77	0.38	1.50	1
12.20						
C162	CIRCULAR	2.50	4.91	0.63	2.50	1
122.30						
C163	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
83.21						
C164	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1
13.87						
C165	CIRCULAR	1.00	0.79	0.25	1.00	1
6.20						
C166	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
847.70						
C167	CIRCULAR	1.00	0.79	0.25	1.00	1
2.46						
C168	TRAPEZOIDAL	1.00	41.00	0.96	42.00	1
115.93						
C169	CIRCULAR	1.50	1.77	0.38	1.50	1
20.22						
C169_2	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6354.63						
C169_3	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6751.74						
C169_4	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
6746.76						
C17	XS16	5.78	75.72	1.54	34.13	1
948.95						
C170	CIRCULAR	1.50	1.77	0.38	1.50	1
21.98						
C170_4	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
101.98						
C170_6	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
83.15						

C171	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
52.42						
C172	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
63.25						
C173	ARCH	1.50	2.80	0.45	2.38	1
213.41						
C174	TRAPEZOIDAL	1.00	6.00	0.77	7.00	1
154.14						
C175	TRAPEZOIDAL	3.00	54.00	2.30	21.00	1
854.34						
C176	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1
118.41						
C177	TRAPEZOIDAL	2.00	24.00	1.53	14.00	1
774.95						
C178	CIRCULAR	1.50	1.77	0.38	1.50	1
41.37						
C179	CIRCULAR	1.50	1.77	0.38	1.50	1
32.67						
C18	ARCH	4.00	31.52	1.20	10.00	1
263.22						
C180	CIRCULAR	1.50	1.77	0.38	1.50	1
20.62						
C181	CIRCULAR	3.00	7.07	0.75	3.00	1
50.69						
C182	CIRCULAR	0.67	0.35	0.17	0.67	1
1.41						
C183	CIRCULAR	1.25	1.23	0.31	1.25	1
13.08						
C184	CIRCULAR	1.50	1.77	0.38	1.50	1
23.18						
C185	CIRCULAR	1.00	0.79	0.25	1.00	1
3.43						
C186	CIRCULAR	1.50	1.77	0.38	1.50	1
13.15						
C187	CIRCULAR	1.00	0.79	0.25	1.00	1
3.41						
C188	CIRCULAR	1.25	1.23	0.31	1.25	1
10.27						
C19	XS17	8.40	188.17	4.94	35.59	1
2015.69						
C2	XS2	5.38	99.15	3.52	24.27	1
1918.56						
C20	XS18	11.03	217.69	6.41	34.67	1
4055.42						
C21	XS19	8.02	133.18	2.95	30.03	1
1868.33						
C22	XS20	5.24	77.90	2.23	23.90	1
1166.20						
C23	XS21	5.11	77.61	3.04	26.97	1
1547.01						
C24	CIRCULAR	2.00	3.14	0.50	2.00	1
96.81						
C25	RECT_CLOSED	3.00	15.00	0.94	5.00	1
319.02						
C26	XS22	3.53	48.41	1.64	28.19	1
453.10						
C27	RECT_CLOSED	4.00	24.00	1.20	6.00	1
407.09						
C28	RECT_CLOSED	4.00	24.00	1.20	6.00	1
581.34						

C29	RECT_CLOSED	4.00	24.00	1.20	6.00	1
607.88						
C29_1	RECT_CLOSED	4.00	24.00	1.20	6.00	1
633.66						
C29_2	RECT_CLOSED	4.00	24.00	1.20	6.00	1
633.66						
C3	XS3	4.55	95.83	3.21	25.34	1
2443.35						
C3_1	RECT_CLOSED	5.00	55.00	1.72	11.00	1
1098.24						
C3_2	RECT_CLOSED	6.00	66.00	1.94	11.00	1
1428.87						
C30	XS23	4.08	74.78	2.57	32.83	1
671.71						
C31	XS24	6.43	125.90	3.87	37.26	1
3779.07						
C32	RECT_CLOSED	4.00	40.00	1.43	10.00	1
1144.56						
C33	CIRCULAR	1.50	1.77	0.38	1.50	1
18.98						
C33_1	CIRCULAR	2.50	4.91	0.63	2.50	1
60.37						
C33_2	CIRCULAR	3.00	7.07	0.75	3.00	1
136.52						
C34	CIRCULAR	3.00	7.07	0.75	3.00	1
26.15						
C35	CIRCULAR	3.00	7.07	0.75	3.00	1
94.49						
C36	CIRCULAR	3.00	7.07	0.75	3.00	1
135.83						
C37	CIRCULAR	1.25	1.23	0.31	1.25	1
21.46						
C37_1	CIRCULAR	3.00	7.07	0.75	3.00	1
149.90						
C37_2	CIRCULAR	3.00	7.07	0.75	3.00	1
81.20						
C38	CIRCULAR	3.00	7.07	0.75	3.00	1
55.50						
C39	CIRCULAR	3.00	7.07	0.75	3.00	1
117.03						
C4	CIRCULAR	11.00	95.03	2.75	11.00	1
1212.05						
C4_1	XS7	10.02	77.59	2.93	16.77	1
766.62						
C4_2	XS4	5.64	119.40	3.66	29.37	1
3090.82						
C40	CIRCULAR	3.00	7.07	0.75	3.00	1
109.23						
C41	CIRCULAR	3.00	7.07	0.75	3.00	1
147.05						
C42	CIRCULAR	3.00	7.07	0.75	3.00	1
144.84						
C43	CIRCULAR	1.50	1.77	0.38	1.50	1
20.48						
C44	ARCH	1.88	4.40	0.56	3.02	1
87.57						
C45	ARCH	2.22	6.40	0.68	3.65	1
194.03						
C46	ARCH	3.33	14.30	1.01	5.42	1
379.96						

C46_1	TRAPEZOIDAL	1.00	7.00	0.79	8.00	1	61.40
C46_2	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	57.41
C47	RECT_CLOSED	2.00	8.00	0.67	4.00	1	140.66
C48	ARCH	2.22	6.40	0.68	3.65	1	144.51
C49	ARCH	2.22	6.40	0.68	3.65	1	94.04
C5	XS5	7.55	124.26	4.38	21.74	1	5068.01
C50	ARCH	2.22	6.40	0.68	3.65	1	128.80
C51	XS25	2.17	19.95	0.98	19.55	1	207.15
C52	ARCH	3.00	11.40	0.90	4.88	1	107.32
C53	ARCH	2.22	6.40	0.68	3.65	1	180.41
C53_1	XS26	3.96	28.25	1.90	11.38	1	358.74
C53_2	XS27	2.82	15.24	1.42	7.80	1	159.60
C54	ARCH	2.22	6.40	0.68	3.65	1	52.12
C55	ARCH	2.22	6.40	0.68	3.65	1	92.70
C56	ARCH	2.22	6.40	0.68	3.65	1	60.06
C57	CIRCULAR	2.50	4.91	0.63	2.50	1	72.75
C58	CIRCULAR	1.25	1.23	0.31	1.25	1	13.99
C59	CIRCULAR	1.25	1.23	0.31	1.25	1	16.15
C6	XS8	3.76	38.43	2.26	12.47	1	979.41
C60	CIRCULAR	1.25	1.23	0.31	1.25	1	16.57
C61_1	CIRCULAR	2.50	4.91	0.63	2.50	1	36.03
C61_2	CIRCULAR	2.50	4.91	0.63	2.50	1	69.53
C63	CIRCULAR	2.50	4.91	0.63	2.50	1	46.74
C64	CIRCULAR	1.67	2.19	0.42	1.67	1	24.40
C65	CIRCULAR	1.67	2.19	0.42	1.67	1	34.41
C66	CIRCULAR	1.67	2.19	0.42	1.67	1	40.72
C67	Trous1	3.23	26.17	1.80	9.45	1	247.10
C68	Trous2	3.54	28.38	1.99	8.61	1	545.43
C69	Trousd3_copy	3.40	28.59	2.01	9.94	1	1544.93
C7	XS9	3.75	85.07	2.47	33.46	1	2105.63

C70	Trousd3_copy	3.40	28.59	2.01	9.94	1	1865.42
C71	Trous4-5	4.71	28.45	2.04	7.89	1	730.46
C72_1	RECT_CLOSED	3.00	24.00	1.09	8.00	1	545.02
C73	ARCH	1.00	1.32	0.30	1.67	1	9.48
C73_2	RECT_CLOSED	3.00	24.00	1.09	8.00	1	441.71
C75	Trous10	3.75	22.25	1.42	10.55	1	361.95
C77	RECT_CLOSED	3.00	24.00	1.09	8.00	1	712.84
C78	Trous10	3.75	22.25	1.42	10.55	1	382.84
C79	RECT_CLOSED	3.00	33.00	1.18	11.00	1	793.71
C8	RECT_CLOSED	4.50	45.00	1.55	10.00	1	234.63
C80	XS8	3.76	38.43	2.26	12.47	1	770.90
C80_2	XS9	3.75	85.07	2.47	33.46	1	1510.62
C80_3	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1	2343.69
C80_4	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1	2343.11
C81	TRAPEZOIDAL	3.00	57.00	1.97	28.00	1	1321.52
C82	CIRCULAR	1.00	0.79	0.25	1.00	1	4.36
C82_1	RECT_CLOSED	3.00	33.00	1.18	11.00	1	761.27
C82_2	RECT_CLOSED	3.00	33.00	1.18	11.00	1	562.77
C83	ARCH	1.00	1.32	0.30	1.67	1	14.77
C85	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	211.58
C85_1	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1	3016.20
C86	TRAPEZOIDAL	1.00	11.00	0.86	12.00	1	275.52
C87	CIRCULAR	1.25	1.23	0.31	1.25	1	6.12
C88	TRAPEZOIDAL	1.00	21.00	0.92	22.00	1	263.55
C89	CIRCULAR	1.25	1.23	0.31	1.25	1	0.31
C9	XS11	6.36	52.31	2.72	10.60	1	1863.70
C90	CIRCULAR	1.25	1.23	0.31	1.25	1	14.13
C91	RECT_OPEN	3.80	16.72	1.39	4.40	1	230.71
C92	Street1-ValleyGutters	0.70	9.13	0.28	37.00	1	45.17
C93	ARCH	1.50	2.80	0.45	2.38	2	57.68

C94	TRAPEZOIDAL	3.00	129.00	2.66	46.00	1
4595.61						
C95	ARCH	2.22	6.40	0.68	3.65	1
163.18						
C96	ARCH	2.22	6.40	0.68	3.65	1
201.88						
C97	XS28	8.97	139.40	0.70	29.94	1
1061.84						
C97_1	XS28	8.97	139.40	0.70	29.94	1
813.59						
C97_2	XS28	8.97	139.40	0.70	29.94	1
803.62						
C98	CIRCULAR	1.50	1.77	0.38	1.50	1
23.85						
C99	CIRCULAR	1.50	1.77	0.38	1.50	1
23.29						

****
Transect Summary
****

Transect Spillway
Area:

0.0014	0.0045	0.0085	0.0135	0.0195
0.0265	0.0345	0.0434	0.0534	0.0643
0.0762	0.0890	0.1029	0.1177	0.1335
0.1503	0.1681	0.1869	0.2067	0.2274
0.2491	0.2718	0.2955	0.3201	0.3457
0.3716	0.3975	0.4235	0.4494	0.4754
0.5014	0.5275	0.5536	0.5797	0.6058
0.6319	0.6581	0.6843	0.7105	0.7368
0.7630	0.7893	0.8156	0.8420	0.8683
0.8946	0.9209	0.9473	0.9736	1.0000

Hrad:

0.0163	0.0366	0.0544	0.0709	0.0868
0.1023	0.1175	0.1325	0.1474	0.1623
0.1770	0.1917	0.2064	0.2210	0.2356
0.2502	0.2647	0.2792	0.2937	0.3082
0.3227	0.3372	0.3517	0.3661	0.3841
0.4110	0.4377	0.4642	0.4905	0.5166
0.5425	0.5682	0.5937	0.6190	0.6441
0.6691	0.6938	0.7184	0.7428	0.7670
0.7911	0.8150	0.8387	0.8623	0.8857
0.9089	0.9319	0.9548	0.9775	1.0000

Width:

0.0971	0.1343	0.1716	0.2088	0.2461
0.2833	0.3206	0.3578	0.3951	0.4324
0.4696	0.5069	0.5441	0.5814	0.6186
0.6559	0.6931	0.7304	0.7676	0.8049
0.8421	0.8794	0.9166	0.9539	0.9812
0.9822	0.9832	0.9842	0.9852	0.9862
0.9872	0.9882	0.9892	0.9901	0.9911
0.9921	0.9931	0.9941	0.9951	0.9961
0.9970	0.9973	0.9976	0.9980	0.9983
0.9987	0.9990	0.9993	0.9997	1.0000

Transect Street1
Area:

0.0004	0.0017	0.0037	0.0066	0.0103
0.0149	0.0202	0.0264	0.0335	0.0413
0.0500	0.0595	0.0698	0.0810	0.0930
0.1058	0.1194	0.1339	0.1492	0.1653
0.1822	0.2000	0.2186	0.2380	0.2582
0.2793	0.3012	0.3239	0.3475	0.3719
0.3971	0.4231	0.4499	0.4776	0.5061
0.5355	0.5656	0.5965	0.6275	0.6585
0.6895	0.7207	0.7527	0.7856	0.8192
0.8537	0.8891	0.9252	0.9622	1.0000

Hrad:

0.0167	0.0333	0.0500	0.0667	0.0833
0.1000	0.1167	0.1333	0.1500	0.1667
0.1833	0.2000	0.2167	0.2333	0.2500
0.2667	0.2833	0.3000	0.3167	0.3333
0.3500	0.3667	0.3833	0.4000	0.4167
0.4333	0.4500	0.4667	0.4833	0.5000
0.5167	0.5333	0.5500	0.5667	0.5833
0.6000	0.6167	0.6415	0.6745	0.7074
0.7403	0.7731	0.8049	0.8355	0.8651
0.8938	0.9216	0.9485	0.9746	1.0000

Width:

0.0216	0.0432	0.0649	0.0865	0.1081
0.1297	0.1514	0.1730	0.1946	0.2162
0.2378	0.2595	0.2811	0.3027	0.3243
0.3459	0.3676	0.3892	0.4108	0.4324
0.4541	0.4757	0.4973	0.5189	0.5405
0.5622	0.5838	0.6054	0.6270	0.6486
0.6703	0.6919	0.7135	0.7351	0.7568
0.7784	0.8000	0.8108	0.8108	0.8108
0.8108	0.8270	0.8486	0.8703	0.8919
0.9135	0.9351	0.9568	0.9784	1.0000

Transect Street1-ValleyGutters
Area:

0.0002	0.0007	0.0015	0.0026	0.0041
0.0059	0.0081	0.0105	0.0133	0.0165
0.0199	0.0237	0.0278	0.0323	0.0371
0.0422	0.0476	0.0534	0.0594	0.0659
0.0726	0.0799	0.0890	0.0998	0.1124
0.1269	0.1432	0.1613	0.1812	0.2029
0.2265	0.2518	0.2790	0.3080	0.3389
0.3715	0.4060	0.4423	0.4804	0.5203
0.5620	0.6056	0.6510	0.6970	0.7430
0.7901	0.8394	0.8908	0.9443	1.0000

Hrad:

0.0242	0.0484	0.0726	0.0968	0.1210
0.1452	0.1694	0.1936	0.2178	0.2420
0.2661	0.2903	0.3145	0.3387	0.3629
0.3871	0.4113	0.4355	0.4597	0.4839
0.5081	0.4784	0.4353	0.4131	0.4033
0.4016	0.4053	0.4131	0.4237	0.4365
0.4511	0.4670	0.4840	0.5020	0.5206
0.5399	0.5597	0.5800	0.6006	0.6216
0.6429	0.6645	0.6900	0.7381	0.7861

0.8333 0.8779 0.9203 0.9609 1.0000
Width:
0.0058 0.0116 0.0174 0.0232 0.0290
0.0348 0.0406 0.0464 0.0522 0.0580
0.0638 0.0696 0.0754 0.0812 0.0870
0.0928 0.0986 0.1044 0.1102 0.1160
0.1218 0.1426 0.1747 0.2067 0.2387
0.2708 0.3028 0.3348 0.3669 0.3989
0.4310 0.4630 0.4950 0.5271 0.5591
0.5911 0.6232 0.6552 0.6872 0.7193
0.7513 0.7834 0.8108 0.8108 0.8108
0.8486 0.8865 0.9243 0.9622 1.0000

Transect Trous1
Area:
0.0164 0.0352 0.0541 0.0730 0.0920
0.1110 0.1300 0.1492 0.1683 0.1876
0.2069 0.2262 0.2456 0.2650 0.2845
0.3041 0.3237 0.3434 0.3631 0.3828
0.4027 0.4225 0.4425 0.4624 0.4825
0.5026 0.5227 0.5429 0.5632 0.5835
0.6038 0.6242 0.6447 0.6652 0.6858
0.7064 0.7271 0.7478 0.7686 0.7894
0.8103 0.8313 0.8523 0.8733 0.8943
0.9154 0.9365 0.9576 0.9787 1.0000
Hrad:
0.0309 0.0651 0.0983 0.1305 0.1618
0.1922 0.2217 0.2504 0.2784 0.3056
0.3321 0.3580 0.3832 0.4078 0.4317
0.4552 0.4780 0.5004 0.5222 0.5436
0.5644 0.5849 0.6049 0.6245 0.6437
0.6625 0.6809 0.6989 0.7167 0.7340
0.7511 0.7678 0.7843 0.8004 0.8163
0.8319 0.8472 0.8622 0.8770 0.8916
0.9059 0.9206 0.9392 0.9575 0.9758
0.9938 1.0118 1.0295 1.0472 1.0000
Width:
0.8047 0.8070 0.8093 0.8116 0.8139
0.8162 0.8185 0.8208 0.8231 0.8254
0.8277 0.8300 0.8323 0.8346 0.8369
0.8392 0.8415 0.8438 0.8461 0.8484
0.8507 0.8530 0.8553 0.8576 0.8599
0.8622 0.8645 0.8668 0.8691 0.8714
0.8737 0.8760 0.8783 0.8806 0.8829
0.8852 0.8875 0.8898 0.8921 0.8944
0.8966 0.8988 0.8999 0.9010 0.9021
0.9032 0.9043 0.9054 0.9066 1.0000

Transect Trous10
Area:
0.0105 0.0234 0.0364 0.0495 0.0626
0.0758 0.0891 0.1025 0.1159 0.1294
0.1430 0.1567 0.1704 0.1842 0.1981
0.2121 0.2261 0.2402 0.2544 0.2687
0.2830 0.2974 0.3119 0.3264 0.3411
0.3558 0.3706 0.3863 0.4052 0.4254
0.4467 0.4692 0.4928 0.5177 0.5438

0.5711 0.5995 0.6292 0.6597 0.6903
0.7209 0.7516 0.7822 0.8129 0.8437
0.8745 0.9055 0.9366 0.9678 1.0000

Hrad:

0.0418 0.0895 0.1341 0.1759 0.2151
0.2521 0.2869 0.3199 0.3512 0.3809
0.4091 0.4360 0.4617 0.4863 0.5099
0.5324 0.5541 0.5750 0.5950 0.6144
0.6331 0.6511 0.6686 0.6855 0.7018
0.7177 0.7331 0.6667 0.6676 0.6703
0.6746 0.6802 0.6871 0.6951 0.7041
0.7139 0.7245 0.7358 0.7619 0.7928
0.8234 0.8537 0.8836 0.9133 0.9427
0.9717 1.0002 1.0284 1.0562 1.0000

Width:

0.3622 0.3643 0.3664 0.3685 0.3706
0.3727 0.3748 0.3769 0.3790 0.3811
0.3832 0.3853 0.3874 0.3895 0.3916
0.3937 0.3958 0.3979 0.4000 0.4021
0.4042 0.4063 0.4084 0.4106 0.4127
0.4148 0.4169 0.5153 0.5489 0.5824
0.6160 0.6495 0.6831 0.7167 0.7502
0.7838 0.8173 0.8509 0.8603 0.8611
0.8618 0.8626 0.8634 0.8642 0.8662
0.8695 0.8728 0.8761 0.8794 1.0000

Transect Trous2

Area:

0.0100 0.0288 0.0477 0.0667 0.0857
0.1047 0.1238 0.1430 0.1622 0.1815
0.2008 0.2202 0.2397 0.2592 0.2788
0.2984 0.3181 0.3379 0.3577 0.3775
0.3975 0.4174 0.4375 0.4576 0.4777
0.4980 0.5182 0.5386 0.5589 0.5794
0.5999 0.6204 0.6411 0.6617 0.6825
0.7033 0.7241 0.7450 0.7660 0.7870
0.8081 0.8292 0.8504 0.8717 0.8930
0.9143 0.9357 0.9571 0.9785 1.0000

Hrad:

0.0187 0.0529 0.0860 0.1180 0.1489
0.1789 0.2080 0.2362 0.2635 0.2901
0.3159 0.3410 0.3655 0.3892 0.4124
0.4349 0.4569 0.4783 0.4992 0.5197
0.5396 0.5590 0.5781 0.5967 0.6149
0.6327 0.6501 0.6671 0.6838 0.7002
0.7163 0.7320 0.7474 0.7625 0.7774
0.7920 0.8063 0.8204 0.8342 0.8478
0.8611 0.8742 0.8871 0.8999 0.9162
0.9332 0.9501 0.9669 0.9835 1.0000

Width:

0.8751 0.8778 0.8805 0.8832 0.8859
0.8886 0.8913 0.8940 0.8967 0.8994
0.9021 0.9048 0.9075 0.9102 0.9129
0.9156 0.9183 0.9210 0.9237 0.9264
0.9291 0.9318 0.9345 0.9372 0.9399
0.9426 0.9453 0.9480 0.9507 0.9534
0.9561 0.9588 0.9615 0.9642 0.9669

0.9696 0.9723 0.9750 0.9777 0.9804
0.9831 0.9858 0.9886 0.9913 0.9929
0.9943 0.9957 0.9972 0.9986 1.0000

Transect Trous3
Area:
0.0013 0.0050 0.0113 0.0202 0.0315
0.0454 0.0617 0.0792 0.0973 0.1160
0.1353 0.1552 0.1756 0.1966 0.2176
0.2387 0.2599 0.2812 0.3025 0.3239
0.3454 0.3670 0.3886 0.4103 0.4321
0.4539 0.4758 0.4978 0.5199 0.5420
0.5643 0.5865 0.6089 0.6313 0.6538
0.6764 0.6991 0.7218 0.7446 0.7675
0.7904 0.8134 0.8365 0.8597 0.8829
0.9062 0.9296 0.9530 0.9765 1.0000
Hrad:
0.0153 0.0306 0.0458 0.0611 0.0764
0.0917 0.1094 0.1351 0.1598 0.1837
0.2068 0.2293 0.2512 0.2760 0.3019
0.3274 0.3524 0.3770 0.4011 0.4247
0.4479 0.4708 0.4932 0.5152 0.5369
0.5582 0.5792 0.5999 0.6202 0.6402
0.6598 0.6792 0.6983 0.7171 0.7357
0.7540 0.7720 0.7898 0.8073 0.8246
0.8416 0.8584 0.8751 0.8915 0.9076
0.9236 0.9416 0.9612 0.9807 1.0000
Width:
0.1071 0.2143 0.3214 0.4286 0.5357
0.6429 0.7313 0.7564 0.7816 0.8067
0.8319 0.8570 0.8822 0.8927 0.8958
0.8989 0.9020 0.9051 0.9082 0.9113
0.9144 0.9175 0.9206 0.9238 0.9269
0.9300 0.9331 0.9362 0.9393 0.9424
0.9455 0.9486 0.9517 0.9548 0.9579
0.9610 0.9641 0.9672 0.9703 0.9734
0.9765 0.9796 0.9827 0.9858 0.9890
0.9921 0.9944 0.9963 0.9981 1.0000

Transect Trous4
Area:
0.0106 0.0218 0.0334 0.0454 0.0577
0.0705 0.0836 0.0971 0.1110 0.1252
0.1399 0.1549 0.1703 0.1861 0.2023
0.2188 0.2358 0.2531 0.2708 0.2889
0.3073 0.3261 0.3454 0.3650 0.3850
0.4053 0.4261 0.4472 0.4687 0.4906
0.5128 0.5355 0.5585 0.5819 0.6057
0.6299 0.6545 0.6794 0.7047 0.7304
0.7565 0.7829 0.8094 0.8362 0.8630
0.8901 0.9173 0.9447 0.9723 1.0000
Hrad:
0.0401 0.0779 0.1132 0.1461 0.1772
0.2066 0.2345 0.2611 0.2866 0.3112
0.3348 0.3576 0.3798 0.4013 0.4222
0.4425 0.4625 0.4819 0.5010 0.5197
0.5381 0.5561 0.5739 0.5914 0.6087

0.6257 0.6425 0.6592 0.6756 0.6919
0.7080 0.7239 0.7397 0.7554 0.7709
0.7864 0.8017 0.8169 0.8320 0.8470
0.8619 0.8782 0.8944 0.9103 0.9259
0.9412 0.9562 0.9711 0.9856 1.0000
Width:
0.3964 0.4101 0.4238 0.4375 0.4512
0.4649 0.4786 0.4923 0.5060 0.5197
0.5334 0.5471 0.5609 0.5746 0.5883
0.6020 0.6157 0.6294 0.6431 0.6568
0.6705 0.6842 0.6979 0.7116 0.7254
0.7391 0.7528 0.7665 0.7802 0.7939
0.8076 0.8213 0.8350 0.8487 0.8624
0.8761 0.8899 0.9036 0.9173 0.9310
0.9447 0.9517 0.9577 0.9637 0.9698
0.9758 0.9819 0.9879 0.9940 1.0000

Transect Trous4-5
Area:
0.0102 0.0213 0.0331 0.0456 0.0588
0.0725 0.0867 0.1015 0.1169 0.1327
0.1488 0.1653 0.1820 0.1990 0.2163
0.2339 0.2519 0.2701 0.2886 0.3074
0.3265 0.3459 0.3656 0.3856 0.4060
0.4266 0.4475 0.4687 0.4902 0.5120
0.5341 0.5565 0.5792 0.6022 0.6256
0.6492 0.6731 0.6973 0.7217 0.7463
0.7710 0.7959 0.8209 0.8460 0.8713
0.8968 0.9224 0.9481 0.9740 1.0000
Hrad:
0.0428 0.0822 0.1183 0.1519 0.1843
0.2148 0.2436 0.2710 0.2973 0.3248
0.3513 0.3767 0.4011 0.4245 0.4471
0.4690 0.4902 0.5107 0.5306 0.5500
0.5689 0.5874 0.6054 0.6230 0.6403
0.6573 0.6739 0.6902 0.7063 0.7221
0.7376 0.7529 0.7681 0.7830 0.7977
0.8122 0.8266 0.8408 0.8556 0.8700
0.8842 0.8981 0.9117 0.9250 0.9381
0.9509 0.9635 0.9759 0.9880 1.0000
Width:
0.4105 0.4385 0.4665 0.4937 0.5148
0.5360 0.5572 0.5784 0.5996 0.6121
0.6235 0.6350 0.6465 0.6580 0.6695
0.6809 0.6924 0.7039 0.7154 0.7269
0.7383 0.7498 0.7613 0.7728 0.7843
0.7957 0.8072 0.8187 0.8302 0.8417
0.8531 0.8646 0.8761 0.8876 0.8990
0.9105 0.9220 0.9335 0.9393 0.9449
0.9504 0.9559 0.9614 0.9669 0.9724
0.9779 0.9835 0.9890 0.9945 1.0000

Transect Trous5
Area:
0.0140 0.0285 0.0432 0.0582 0.0734
0.0889 0.1046 0.1205 0.1368 0.1532
0.1699 0.1868 0.2040 0.2215 0.2392

0.2571 0.2753 0.2937 0.3124 0.3313
0.3504 0.3699 0.3895 0.4094 0.4296
0.4500 0.4706 0.4915 0.5126 0.5340
0.5556 0.5775 0.5996 0.6220 0.6446
0.6674 0.6904 0.7134 0.7366 0.7599
0.7834 0.8070 0.8306 0.8545 0.8784
0.9025 0.9267 0.9510 0.9754 1.0000
Hrad:
0.0512 0.0988 0.1424 0.1828 0.2202
0.2552 0.2880 0.3188 0.3480 0.3755
0.4018 0.4268 0.4507 0.4736 0.4956
0.5168 0.5372 0.5569 0.5760 0.5945
0.6125 0.6300 0.6470 0.6636 0.6798
0.6957 0.7112 0.7264 0.7412 0.7558
0.7702 0.7843 0.7981 0.8118 0.8252
0.8387 0.8519 0.8648 0.8774 0.8897
0.9018 0.9136 0.9251 0.9364 0.9475
0.9584 0.9691 0.9796 0.9899 1.0000
Width:
0.5828 0.5928 0.6028 0.6128 0.6229
0.6329 0.6429 0.6529 0.6629 0.6729
0.6829 0.6929 0.7029 0.7129 0.7229
0.7329 0.7430 0.7530 0.7630 0.7730
0.7830 0.7930 0.8030 0.8130 0.8230
0.8330 0.8430 0.8530 0.8631 0.8731
0.8831 0.8931 0.9031 0.9131 0.9231
0.9288 0.9339 0.9389 0.9440 0.9491
0.9542 0.9593 0.9644 0.9695 0.9746
0.9796 0.9847 0.9898 0.9949 1.0000

Transect Trous6
Area:
0.0118 0.0283 0.0451 0.0620 0.0790
0.0962 0.1136 0.1312 0.1489 0.1667
0.1848 0.2030 0.2213 0.2398 0.2585
0.2774 0.2964 0.3155 0.3349 0.3544
0.3740 0.3938 0.4138 0.4340 0.4543
0.4748 0.4954 0.5162 0.5371 0.5583
0.5795 0.6010 0.6226 0.6444 0.6662
0.6881 0.7101 0.7321 0.7542 0.7763
0.7984 0.8206 0.8429 0.8652 0.8875
0.9099 0.9324 0.9549 0.9774 1.0000
Hrad:
0.0350 0.0804 0.1222 0.1609 0.1969
0.2305 0.2619 0.2914 0.3192 0.3455
0.3704 0.3940 0.4165 0.4380 0.4585
0.4781 0.4969 0.5150 0.5325 0.5493
0.5655 0.5812 0.5964 0.6111 0.6253
0.6392 0.6527 0.6659 0.6787 0.6912
0.7033 0.7153 0.7269 0.7389 0.7571
0.7749 0.7925 0.8098 0.8269 0.8438
0.8604 0.8767 0.8929 0.9088 0.9245
0.9400 0.9553 0.9704 0.9853 1.0000
Width:
0.7292 0.7364 0.7435 0.7507 0.7579
0.7651 0.7723 0.7795 0.7867 0.7939
0.8011 0.8082 0.8154 0.8226 0.8298

0.8370 0.8442 0.8514 0.8586 0.8658
0.8730 0.8801 0.8873 0.8945 0.9017
0.9089 0.9161 0.9233 0.9305 0.9377
0.9449 0.9520 0.9592 0.9660 0.9681
0.9702 0.9724 0.9745 0.9766 0.9787
0.9809 0.9830 0.9851 0.9872 0.9894
0.9915 0.9936 0.9957 0.9979 1.0000

Transect Trous7
Area:
0.0061 0.0199 0.0341 0.0484 0.0629
0.0775 0.0924 0.1074 0.1226 0.1379
0.1534 0.1691 0.1850 0.2010 0.2172
0.2336 0.2501 0.2668 0.2837 0.3008
0.3180 0.3354 0.3530 0.3708 0.3887
0.4068 0.4250 0.4435 0.4621 0.4809
0.5003 0.5246 0.5503 0.5761 0.6020
0.6279 0.6539 0.6800 0.7062 0.7325
0.7589 0.7853 0.8119 0.8385 0.8652
0.8920 0.9189 0.9458 0.9729 1.0000
Hrad:
0.0247 0.0677 0.1102 0.1493 0.1854
0.2191 0.2504 0.2798 0.3074 0.3335
0.3581 0.3815 0.4037 0.4249 0.4452
0.4646 0.4832 0.5011 0.5183 0.5350
0.5510 0.5666 0.5817 0.5963 0.6105
0.6243 0.6378 0.6509 0.6637 0.6763
0.6876 0.6057 0.6299 0.6539 0.6775
0.7008 0.7239 0.7467 0.7691 0.7914
0.8133 0.8350 0.8564 0.8776 0.8986
0.9193 0.9398 0.9601 0.9802 1.0000
Width:
0.4484 0.5174 0.5237 0.5300 0.5363
0.5427 0.5490 0.5553 0.5616 0.5679
0.5743 0.5806 0.5869 0.5932 0.5995
0.6059 0.6122 0.6185 0.6248 0.6311
0.6375 0.6438 0.6501 0.6564 0.6627
0.6691 0.6754 0.6817 0.6880 0.6943
0.7926 0.9439 0.9470 0.9501 0.9533
0.9564 0.9595 0.9626 0.9657 0.9688
0.9720 0.9751 0.9782 0.9813 0.9844
0.9875 0.9907 0.9938 0.9969 1.0000

Transect Trous8
Area:
0.0033 0.0131 0.0288 0.0454 0.0621
0.0789 0.0957 0.1127 0.1298 0.1469
0.1642 0.1815 0.1989 0.2164 0.2341
0.2518 0.2696 0.2875 0.3054 0.3235
0.3417 0.3599 0.3783 0.3967 0.4153
0.4339 0.4526 0.4714 0.4903 0.5093
0.5287 0.5528 0.5770 0.6014 0.6257
0.6502 0.6746 0.6992 0.7237 0.7483
0.7730 0.7977 0.8225 0.8473 0.8722
0.8972 0.9223 0.9476 0.9730 1.0000
Hrad:
0.0295 0.0590 0.1005 0.1516 0.1987

0.2424 0.2829 0.3208 0.3562 0.3893
0.4206 0.4500 0.4778 0.5042 0.5292
0.5530 0.5756 0.5973 0.6179 0.6377
0.6567 0.6750 0.6925 0.7094 0.7256
0.7414 0.7565 0.7712 0.7855 0.7992
0.8119 0.7478 0.7738 0.7994 0.8247
0.8496 0.8742 0.8984 0.9222 0.9458
0.9690 0.9919 1.0145 1.0368 1.0588
1.0804 1.1016 1.1223 1.1426 1.0000
Width:
0.2136 0.4271 0.5388 0.5418 0.5448
0.5478 0.5508 0.5538 0.5568 0.5598
0.5628 0.5658 0.5688 0.5717 0.5747
0.5777 0.5807 0.5837 0.5867 0.5897
0.5927 0.5957 0.5987 0.6017 0.6047
0.6077 0.6107 0.6137 0.6166 0.6196
0.7171 0.7893 0.7909 0.7925 0.7941
0.7957 0.7973 0.7989 0.8005 0.8021
0.8037 0.8053 0.8069 0.8085 0.8101
0.8152 0.8203 0.8254 0.8305 1.0000

Transect Trousd3_copy
Area:
0.0014 0.0055 0.0124 0.0221 0.0346
0.0498 0.0677 0.0866 0.1058 0.1251
0.1448 0.1646 0.1847 0.2050 0.2255
0.2460 0.2666 0.2873 0.3081 0.3290
0.3500 0.3710 0.3922 0.4135 0.4349
0.4563 0.4779 0.4996 0.5213 0.5432
0.5651 0.5871 0.6093 0.6315 0.6538
0.6763 0.6988 0.7214 0.7441 0.7669
0.7898 0.8128 0.8359 0.8591 0.8824
0.9058 0.9292 0.9528 0.9764 1.0000
Hrad:
0.0165 0.0329 0.0494 0.0659 0.0823
0.0988 0.1185 0.1483 0.1774 0.2056
0.2332 0.2600 0.2862 0.3124 0.3383
0.3636 0.3883 0.4125 0.4360 0.4591
0.4816 0.5037 0.5253 0.5464 0.5672
0.5875 0.6074 0.6269 0.6461 0.6649
0.6834 0.7015 0.7193 0.7368 0.7541
0.7710 0.7877 0.8041 0.8202 0.8361
0.8517 0.8671 0.8823 0.8973 0.9121
0.9266 0.9437 0.9626 0.9814 1.0000
Width:
0.1169 0.2337 0.3506 0.4674 0.5843
0.7011 0.7936 0.8037 0.8138 0.8239
0.8340 0.8441 0.8542 0.8603 0.8644
0.8684 0.8725 0.8765 0.8805 0.8846
0.8886 0.8927 0.8967 0.9007 0.9048
0.9088 0.9129 0.9169 0.9210 0.9250
0.9290 0.9331 0.9371 0.9412 0.9452
0.9492 0.9533 0.9573 0.9614 0.9654
0.9695 0.9735 0.9775 0.9816 0.9856
0.9897 0.9928 0.9952 0.9976 1.0000

Transect XS1

Area:

0.0031	0.0099	0.0193	0.0310	0.0452
0.0613	0.0778	0.0944	0.1114	0.1285
0.1459	0.1635	0.1814	0.1995	0.2178
0.2363	0.2551	0.2741	0.2934	0.3129
0.3326	0.3525	0.3727	0.3931	0.4137
0.4346	0.4557	0.4770	0.4986	0.5204
0.5424	0.5647	0.5872	0.6099	0.6329
0.6561	0.6795	0.7032	0.7271	0.7512
0.7754	0.7998	0.8243	0.8489	0.8738
0.8987	0.9238	0.9491	0.9745	1.0000

Hrad:

0.0178	0.0399	0.0590	0.0769	0.0942
0.1195	0.1480	0.1756	0.2023	0.2283
0.2536	0.2782	0.3021	0.3254	0.3482
0.3705	0.3922	0.4135	0.4343	0.4548
0.4748	0.4944	0.5137	0.5327	0.5513
0.5696	0.5876	0.6054	0.6229	0.6401
0.6571	0.6739	0.6904	0.7067	0.7229
0.7388	0.7546	0.7701	0.7856	0.8057
0.8257	0.8455	0.8653	0.8849	0.9043
0.9237	0.9430	0.9621	0.9811	1.0000

Width:

0.2207	0.3159	0.4110	0.5062	0.6014
0.6380	0.6471	0.6562	0.6652	0.6743
0.6834	0.6925	0.7015	0.7106	0.7197
0.7287	0.7378	0.7469	0.7559	0.7650
0.7741	0.7831	0.7922	0.8013	0.8104
0.8194	0.8285	0.8376	0.8466	0.8557
0.8648	0.8738	0.8829	0.8920	0.9011
0.9101	0.9192	0.9283	0.9373	0.9430
0.9487	0.9544	0.9601	0.9658	0.9715
0.9772	0.9829	0.9886	0.9943	1.0000

Transect XS10

Area:

0.0112	0.0249	0.0387	0.0526	0.0667
0.0809	0.0953	0.1097	0.1244	0.1392
0.1541	0.1691	0.1843	0.1997	0.2152
0.2308	0.2466	0.2625	0.2785	0.2947
0.3110	0.3275	0.3441	0.3609	0.3778
0.3948	0.4120	0.4293	0.4468	0.4644
0.4821	0.5000	0.5193	0.5440	0.5695
0.5951	0.6207	0.6464	0.6722	0.6981
0.7241	0.7502	0.7763	0.8025	0.8299
0.8595	0.8913	0.9253	0.9616	1.0000

Hrad:

0.0424	0.0908	0.1365	0.1799	0.2212
0.2604	0.2979	0.3337	0.3680	0.4009
0.4325	0.4630	0.4923	0.5206	0.5479
0.5744	0.6000	0.6248	0.6489	0.6724
0.6952	0.7174	0.7390	0.7601	0.7807
0.8008	0.8204	0.8397	0.8585	0.8769
0.8950	0.9128	0.8158	0.7789	0.8100
0.8408	0.8713	0.9016	0.9316	0.9613
0.9907	1.0199	1.0489	1.0769	1.0536
1.0354	1.0214	1.0112	1.0042	1.0000

Width:

0.3435	0.3471	0.3506	0.3542	0.3578
0.3613	0.3649	0.3684	0.3720	0.3756
0.3791	0.3827	0.3863	0.3898	0.3934
0.3970	0.4005	0.4041	0.4077	0.4112
0.4148	0.4184	0.4219	0.4255	0.4291
0.4326	0.4362	0.4398	0.4433	0.4469
0.4505	0.4540	0.5655	0.6434	0.6454
0.6475	0.6496	0.6517	0.6538	0.6559
0.6579	0.6600	0.6621	0.6649	0.7207
0.7766	0.8324	0.8883	0.9441	1.0000

Transect XS11

Area:

0.0103	0.0224	0.0348	0.0476	0.0608
0.0744	0.0883	0.1025	0.1172	0.1322
0.1475	0.1632	0.1793	0.1957	0.2125
0.2297	0.2472	0.2651	0.2833	0.3019
0.3209	0.3403	0.3599	0.3800	0.4004
0.4212	0.4423	0.4638	0.4857	0.5079
0.5305	0.5535	0.5768	0.6005	0.6245
0.6488	0.6733	0.6978	0.7224	0.7472
0.7720	0.7969	0.8220	0.8471	0.8723
0.8977	0.9231	0.9486	0.9743	1.0000

Hrad:

0.0392	0.0805	0.1186	0.1540	0.1872
0.2183	0.2477	0.2756	0.3022	0.3276
0.3520	0.3755	0.3981	0.4200	0.4412
0.4618	0.4818	0.5013	0.5204	0.5391
0.5573	0.5752	0.5928	0.6101	0.6271
0.6438	0.6603	0.6766	0.6927	0.7085
0.7242	0.7397	0.7550	0.7702	0.7853
0.8016	0.8180	0.8340	0.8496	0.8649
0.8798	0.8943	0.9085	0.9224	0.9360
0.9494	0.9624	0.9752	0.9877	1.0000

Width:

0.4621	0.4761	0.4902	0.5042	0.5183
0.5323	0.5463	0.5604	0.5744	0.5884
0.6025	0.6165	0.6306	0.6446	0.6586
0.6727	0.6867	0.7008	0.7148	0.7288
0.7429	0.7569	0.7709	0.7850	0.7990
0.8131	0.8271	0.8411	0.8552	0.8692
0.8832	0.8973	0.9113	0.9254	0.9394
0.9460	0.9499	0.9537	0.9576	0.9614
0.9653	0.9691	0.9730	0.9769	0.9807
0.9846	0.9884	0.9923	0.9961	1.0000

Transect XS13

Area:

0.0017	0.0067	0.0151	0.0269	0.0418
0.0579	0.0741	0.0905	0.1071	0.1239
0.1409	0.1580	0.1754	0.1930	0.2108
0.2288	0.2469	0.2653	0.2838	0.3026
0.3215	0.3407	0.3600	0.3796	0.3993
0.4192	0.4394	0.4597	0.4802	0.5009
0.5218	0.5429	0.5642	0.5857	0.6074
0.6293	0.6514	0.6737	0.6961	0.7188

0.7417 0.7647 0.7880 0.8115 0.8351
0.8591 0.8865 0.9203 0.9586 1.0000
Hrad:
0.0261 0.0523 0.0784 0.1045 0.1369
0.1843 0.2299 0.2738 0.3161 0.3571
0.3966 0.4349 0.4721 0.5081 0.5432
0.5772 0.6104 0.6427 0.6742 0.7050
0.7350 0.7644 0.7932 0.8213 0.8489
0.8759 0.9025 0.9285 0.9541 0.9792
1.0039 1.0283 1.0522 1.0758 1.0990
1.1219 1.1445 1.1667 1.1887 1.2104
1.2318 1.2530 1.2739 1.2946 1.3151
1.2909 1.1643 1.0434 1.0187 1.0000
Width:
0.0781 0.1561 0.2342 0.3123 0.3700
0.3746 0.3791 0.3837 0.3882 0.3928
0.3973 0.4019 0.4065 0.4110 0.4156
0.4201 0.4247 0.4292 0.4338 0.4383
0.4429 0.4474 0.4520 0.4565 0.4611
0.4657 0.4702 0.4748 0.4793 0.4839
0.4884 0.4930 0.4975 0.5021 0.5066
0.5112 0.5157 0.5203 0.5249 0.5294
0.5340 0.5385 0.5431 0.5476 0.5522
0.5852 0.7023 0.8528 0.9264 1.0000

Transect XS14
Area:
0.0017 0.0067 0.0151 0.0269 0.0418
0.0579 0.0741 0.0905 0.1071 0.1239
0.1409 0.1580 0.1754 0.1930 0.2108
0.2288 0.2469 0.2653 0.2838 0.3026
0.3215 0.3407 0.3600 0.3796 0.3993
0.4192 0.4394 0.4597 0.4802 0.5009
0.5218 0.5429 0.5642 0.5857 0.6074
0.6293 0.6514 0.6737 0.6961 0.7188
0.7417 0.7647 0.7880 0.8115 0.8351
0.8591 0.8865 0.9203 0.9586 1.0000
Hrad:
0.0187 0.0374 0.0560 0.0747 0.0978
0.1317 0.1643 0.1957 0.2260 0.2552
0.2835 0.3109 0.3374 0.3632 0.3882
0.4126 0.4363 0.4594 0.4819 0.5039
0.5254 0.5464 0.5669 0.5871 0.6068
0.6261 0.6451 0.6637 0.6820 0.6999
0.7176 0.7350 0.7521 0.7689 0.7855
0.8019 0.8180 0.8340 0.8497 0.8652
0.8805 0.8956 0.9106 0.9254 0.9400
0.9562 0.9734 0.9858 0.9940 1.0000
Width:
0.0781 0.1561 0.2342 0.3123 0.3700
0.3746 0.3791 0.3837 0.3882 0.3928
0.3973 0.4019 0.4065 0.4110 0.4156
0.4201 0.4247 0.4292 0.4338 0.4383
0.4429 0.4474 0.4520 0.4565 0.4611
0.4657 0.4702 0.4748 0.4793 0.4839
0.4884 0.4930 0.4975 0.5021 0.5066
0.5112 0.5157 0.5203 0.5249 0.5294

0.5340 0.5385 0.5431 0.5476 0.5522
0.5852 0.7023 0.8528 0.9264 1.0000

Transect XS15
Area:
0.0010 0.0041 0.0092 0.0164 0.0255
0.0361 0.0475 0.0598 0.0730 0.0869
0.1011 0.1155 0.1302 0.1451 0.1602
0.1756 0.1912 0.2070 0.2231 0.2394
0.2560 0.2728 0.2898 0.3071 0.3246
0.3424 0.3604 0.3786 0.3971 0.4158
0.4347 0.4539 0.4734 0.4939 0.5153
0.5378 0.5619 0.5877 0.6153 0.6446
0.6756 0.7082 0.7417 0.7761 0.8113
0.8474 0.8843 0.9220 0.9606 1.0000
Hrad:
0.0185 0.0369 0.0554 0.0738 0.0930
0.1201 0.1455 0.1697 0.1928 0.2198
0.2484 0.2760 0.3027 0.3285 0.3536
0.3779 0.4015 0.4245 0.4469 0.4687
0.4901 0.5110 0.5314 0.5514 0.5710
0.5902 0.6091 0.6277 0.6459 0.6639
0.6816 0.6990 0.7196 0.7413 0.7612
0.7825 0.8042 0.8234 0.8405 0.8557
0.8693 0.8827 0.8968 0.9112 0.9257
0.9404 0.9551 0.9700 0.9850 1.0000
Width:
0.0513 0.1026 0.1539 0.2052 0.2543
0.2761 0.2979 0.3196 0.3414 0.3530
0.3590 0.3650 0.3709 0.3769 0.3829
0.3888 0.3948 0.4008 0.4068 0.4127
0.4187 0.4247 0.4307 0.4366 0.4426
0.4486 0.4545 0.4605 0.4665 0.4725
0.4784 0.4844 0.5008 0.5253 0.5498
0.5839 0.6271 0.6704 0.7136 0.7569
0.8002 0.8312 0.8523 0.8734 0.8945
0.9156 0.9367 0.9578 0.9789 1.0000

Transect XS16
Area:
0.0009 0.0036 0.0081 0.0144 0.0225
0.0324 0.0440 0.0572 0.0711 0.0853
0.0999 0.1149 0.1302 0.1459 0.1619
0.1783 0.1951 0.2123 0.2298 0.2476
0.2658 0.2844 0.3034 0.3227 0.3424
0.3624 0.3828 0.4036 0.4247 0.4462
0.4681 0.4903 0.5129 0.5358 0.5591
0.5828 0.6069 0.6313 0.6560 0.6811
0.7066 0.7325 0.7588 0.7865 0.8155
0.8459 0.8776 0.9108 0.9484 1.0000
Hrad:
0.0290 0.0580 0.0870 0.1160 0.1451
0.1741 0.2031 0.2418 0.2892 0.3346
0.3783 0.4204 0.4611 0.5005 0.5387
0.5758 0.6119 0.6471 0.6814 0.7151
0.7480 0.7802 0.8118 0.8429 0.8735
0.9036 0.9332 0.9624 0.9911 1.0196

1.0476 1.0754 1.1028 1.1300 1.1568
1.1834 1.2098 1.2359 1.2618 1.2875
1.3130 1.3383 1.3441 1.3354 1.3297
1.3266 1.3258 1.3271 0.9691 1.0000

Width:

0.0345 0.0690 0.1035 0.1380 0.1725
0.2070 0.2415 0.2626 0.2697 0.2767
0.2836 0.2906 0.2975 0.3045 0.3115
0.3184 0.3254 0.3324 0.3393 0.3463
0.3533 0.3602 0.3672 0.3742 0.3811
0.3881 0.3951 0.4020 0.4090 0.4160
0.4229 0.4299 0.4369 0.4438 0.4508
0.4578 0.4647 0.4717 0.4787 0.4856
0.4926 0.4996 0.5169 0.5434 0.5699
0.5963 0.6228 0.6493 0.9795 1.0000

Transect XS17

Area:

0.0017 0.0070 0.0146 0.0240 0.0343
0.0451 0.0565 0.0684 0.0809 0.0938
0.1074 0.1214 0.1360 0.1509 0.1662
0.1818 0.1978 0.2140 0.2307 0.2477
0.2650 0.2827 0.3007 0.3191 0.3378
0.3568 0.3762 0.3960 0.4160 0.4366
0.4599 0.4862 0.5129 0.5398 0.5669
0.5942 0.6216 0.6493 0.6772 0.7052
0.7335 0.7619 0.7905 0.8194 0.8484
0.8776 0.9073 0.9376 0.9685 1.0000

Hrad:

0.0169 0.0347 0.0575 0.0804 0.1081
0.1344 0.1595 0.1835 0.2067 0.2291
0.2509 0.2720 0.2946 0.3176 0.3401
0.3620 0.3835 0.4045 0.4251 0.4453
0.4652 0.4847 0.5040 0.5229 0.5416
0.5600 0.5782 0.5962 0.6139 0.6325
0.6505 0.6641 0.6789 0.6946 0.7109
0.7277 0.7448 0.7621 0.7796 0.7973
0.8150 0.8327 0.8504 0.8682 0.8859
0.9059 0.9305 0.9544 0.9775 1.0000

Width:

0.1100 0.2136 0.2693 0.3151 0.3321
0.3491 0.3661 0.3832 0.4002 0.4172
0.4343 0.4513 0.4643 0.4751 0.4860
0.4968 0.5076 0.5185 0.5293 0.5401
0.5510 0.5618 0.5726 0.5835 0.5943
0.6051 0.6159 0.6268 0.6376 0.6720
0.7952 0.8375 0.8436 0.8497 0.8557
0.8618 0.8679 0.8740 0.8800 0.8861
0.8922 0.8983 0.9043 0.9104 0.9165
0.9264 0.9448 0.9632 0.9816 1.0000

Transect XS18

Area:

0.0011 0.0041 0.0083 0.0132 0.0191
0.0257 0.0332 0.0414 0.0501 0.0593
0.0690 0.0793 0.0900 0.1012 0.1130
0.1253 0.1388 0.1539 0.1704 0.1885

0.2082 0.2293 0.2517 0.2744 0.2974
0.3213 0.3454 0.3699 0.3947 0.4198
0.4453 0.4710 0.4971 0.5234 0.5501
0.5771 0.6045 0.6321 0.6600 0.6883
0.7169 0.7458 0.7750 0.8046 0.8351
0.8664 0.8985 0.9315 0.9653 1.0000

Hrad:

0.0166 0.0366 0.0588 0.0786 0.0971
0.1147 0.1318 0.1515 0.1710 0.1895
0.2074 0.2247 0.2415 0.2579 0.2739
0.2846 0.2843 0.2869 0.2917 0.2981
0.3059 0.3147 0.3343 0.3605 0.3869
0.4153 0.4434 0.4711 0.4986 0.5257
0.5526 0.5792 0.6055 0.6316 0.6574
0.6830 0.7084 0.7335 0.7585 0.7832
0.8077 0.8320 0.8561 0.8788 0.9002
0.9211 0.9416 0.9615 0.9810 1.0000

Width:

0.0603 0.1060 0.1297 0.1535 0.1773
0.2011 0.2249 0.2410 0.2554 0.2697
0.2841 0.2985 0.3128 0.3272 0.3415
0.3640 0.4072 0.4505 0.4938 0.5371
0.5803 0.6236 0.6440 0.6490 0.6747
0.6837 0.6927 0.7017 0.7107 0.7197
0.7286 0.7376 0.7466 0.7556 0.7646
0.7736 0.7826 0.7915 0.8005 0.8095
0.8185 0.8275 0.8365 0.8544 0.8787
0.9030 0.9272 0.9515 0.9757 1.0000

Transect XS19

Area:

0.0018 0.0059 0.0113 0.0178 0.0249
0.0326 0.0410 0.0500 0.0596 0.0699
0.0809 0.0924 0.1046 0.1175 0.1310
0.1450 0.1596 0.1746 0.1900 0.2060
0.2223 0.2392 0.2565 0.2743 0.2925
0.3112 0.3304 0.3508 0.3729 0.3969
0.4226 0.4498 0.4775 0.5055 0.5337
0.5621 0.5909 0.6198 0.6490 0.6785
0.7082 0.7381 0.7683 0.7989 0.8302
0.8624 0.8955 0.9294 0.9643 1.0000

Hrad:

0.0222 0.0533 0.0799 0.1110 0.1403
0.1678 0.1938 0.2188 0.2429 0.2663
0.2891 0.3115 0.3335 0.3551 0.3765
0.4003 0.4245 0.4481 0.4714 0.4942
0.5167 0.5388 0.5606 0.5821 0.6034
0.6245 0.6415 0.6303 0.6236 0.6205
0.6204 0.6358 0.6642 0.6920 0.7193
0.7460 0.7723 0.7982 0.8236 0.8486
0.8732 0.8974 0.9212 0.9377 0.9471
0.9569 0.9671 0.9777 0.9887 1.0000

Width:

0.0966 0.1323 0.1680 0.1873 0.2050
0.2227 0.2403 0.2580 0.2757 0.2933
0.3110 0.3287 0.3463 0.3640 0.3817
0.3957 0.4084 0.4212 0.4340 0.4468

0.4595 0.4723 0.4851 0.4978 0.5106
0.5234 0.5400 0.5888 0.6375 0.6862
0.7350 0.7626 0.7695 0.7764 0.7833
0.7903 0.7972 0.8041 0.8110 0.8180
0.8249 0.8318 0.8388 0.8541 0.8784
0.9027 0.9271 0.9514 0.9757 1.0000

Transect XS2
Area:
0.0032 0.0128 0.0270 0.0417 0.0567
0.0719 0.0874 0.1031 0.1192 0.1354
0.1520 0.1688 0.1858 0.2032 0.2207
0.2386 0.2567 0.2751 0.2937 0.3126
0.3318 0.3512 0.3709 0.3908 0.4111
0.4315 0.4523 0.4733 0.4945 0.5160
0.5378 0.5599 0.5822 0.6048 0.6276
0.6507 0.6741 0.6977 0.7216 0.7457
0.7701 0.7948 0.8197 0.8449 0.8704
0.8960 0.9217 0.9477 0.9738 1.0000
Hrad:
0.0151 0.0303 0.0559 0.0843 0.1119
0.1388 0.1649 0.1905 0.2155 0.2398
0.2637 0.2871 0.3100 0.3325 0.3545
0.3762 0.3974 0.4184 0.4390 0.4593
0.4792 0.4989 0.5184 0.5375 0.5564
0.5751 0.5936 0.6118 0.6299 0.6477
0.6654 0.6828 0.7001 0.7173 0.7342
0.7511 0.7678 0.7843 0.8007 0.8170
0.8331 0.8492 0.8651 0.8809 0.8998
0.9200 0.9402 0.9602 0.9802 1.0000
Width:
0.2426 0.4852 0.5534 0.5633 0.5733
0.5833 0.5932 0.6032 0.6132 0.6231
0.6331 0.6431 0.6530 0.6630 0.6730
0.6829 0.6929 0.7029 0.7128 0.7228
0.7328 0.7427 0.7527 0.7627 0.7727
0.7826 0.7926 0.8026 0.8125 0.8225
0.8325 0.8424 0.8524 0.8624 0.8723
0.8823 0.8923 0.9022 0.9122 0.9222
0.9321 0.9421 0.9521 0.9620 0.9694
0.9755 0.9816 0.9878 0.9939 1.0000

Transect XS20
Area:
0.0049 0.0168 0.0292 0.0419 0.0549
0.0681 0.0815 0.0953 0.1092 0.1235
0.1380 0.1527 0.1678 0.1830 0.1986
0.2144 0.2304 0.2467 0.2633 0.2802
0.2972 0.3146 0.3322 0.3501 0.3682
0.3866 0.4052 0.4241 0.4433 0.4627
0.4824 0.5024 0.5232 0.5450 0.5680
0.5919 0.6170 0.6430 0.6702 0.6984
0.7270 0.7558 0.7849 0.8145 0.8444
0.8747 0.9054 0.9365 0.9681 1.0000
Hrad:
0.0191 0.0518 0.0874 0.1216 0.1547
0.1867 0.2176 0.2476 0.2767 0.3051

0.3327 0.3595 0.3858 0.4114 0.4365
0.4611 0.4851 0.5088 0.5319 0.5547
0.5771 0.5991 0.6208 0.6421 0.6632
0.6839 0.7044 0.7246 0.7446 0.7644
0.7839 0.7970 0.7930 0.7908 0.7903
0.7912 0.7934 0.7968 0.8012 0.8100
0.8345 0.8574 0.8757 0.8939 0.9119
0.9298 0.9475 0.9651 0.9826 1.0000

Width:

0.3066 0.3828 0.3909 0.3990 0.4070
0.4151 0.4232 0.4312 0.4393 0.4473
0.4554 0.4635 0.4715 0.4796 0.4877
0.4957 0.5038 0.5118 0.5199 0.5280
0.5360 0.5441 0.5522 0.5602 0.5683
0.5763 0.5844 0.5925 0.6005 0.6086
0.6167 0.6310 0.6639 0.6968 0.7298
0.7627 0.7956 0.8285 0.8615 0.8892
0.8938 0.9001 0.9126 0.9251 0.9376
0.9500 0.9625 0.9750 0.9875 1.0000

Transect XS21

Area:

0.0006 0.0025 0.0057 0.0101 0.0158
0.0228 0.0310 0.0405 0.0513 0.0634
0.0767 0.0910 0.1058 0.1210 0.1366
0.1525 0.1688 0.1855 0.2025 0.2200
0.2378 0.2560 0.2745 0.2935 0.3128
0.3325 0.3529 0.3757 0.3998 0.4241
0.4487 0.4737 0.4989 0.5245 0.5503
0.5765 0.6030 0.6297 0.6568 0.6842
0.7122 0.7411 0.7707 0.8011 0.8323
0.8643 0.8970 0.9306 0.9649 1.0000

Hrad:

0.0157 0.0314 0.0470 0.0627 0.0784
0.0941 0.1098 0.1254 0.1411 0.1568
0.1725 0.1948 0.2196 0.2438 0.2674
0.2903 0.3128 0.3347 0.3562 0.3773
0.3979 0.4183 0.4383 0.4579 0.4773
0.4964 0.5146 0.5293 0.5464 0.5642
0.5825 0.6012 0.6201 0.6393 0.6587
0.6782 0.6978 0.7175 0.7372 0.7601
0.7876 0.8142 0.8399 0.8647 0.8889
0.9123 0.9350 0.9572 0.9789 1.0000

Width:

0.0357 0.0714 0.1071 0.1428 0.1785
0.2142 0.2499 0.2856 0.3214 0.3571
0.3928 0.4116 0.4222 0.4328 0.4435
0.4541 0.4647 0.4753 0.4859 0.4966
0.5072 0.5178 0.5284 0.5390 0.5497
0.5603 0.6055 0.6733 0.6818 0.6903
0.6987 0.7072 0.7157 0.7242 0.7327
0.7412 0.7497 0.7581 0.7666 0.7800
0.8020 0.8240 0.8460 0.8680 0.8900
0.9120 0.9340 0.9560 0.9780 1.0000

Transect XS22

Area:

0.0014 0.0053 0.0106 0.0172 0.0249
0.0333 0.0422 0.0517 0.0617 0.0723
0.0834 0.0952 0.1074 0.1202 0.1336
0.1475 0.1620 0.1770 0.1926 0.2088
0.2255 0.2428 0.2606 0.2790 0.2979
0.3174 0.3374 0.3580 0.3792 0.4009
0.4232 0.4460 0.4694 0.4934 0.5179
0.5429 0.5685 0.5950 0.6224 0.6508
0.6801 0.7104 0.7416 0.7740 0.8080
0.8438 0.8812 0.9198 0.9594 1.0000

Hrad:

0.0213 0.0490 0.0758 0.1006 0.1304
0.1625 0.1930 0.2223 0.2506 0.2780
0.3047 0.3307 0.3562 0.3813 0.4059
0.4302 0.4541 0.4778 0.5012 0.5244
0.5474 0.5702 0.5928 0.6153 0.6377
0.6599 0.6820 0.7040 0.7259 0.7477
0.7694 0.7911 0.8127 0.8342 0.8556
0.8770 0.8949 0.9043 0.9145 0.9253
0.9368 0.9488 0.9614 0.9585 0.9537
0.9513 0.9553 0.9700 0.9849 1.0000

Width:

0.0691 0.1123 0.1443 0.1762 0.1967
0.2103 0.2238 0.2373 0.2509 0.2644
0.2779 0.2915 0.3050 0.3185 0.3321
0.3456 0.3592 0.3727 0.3862 0.3998
0.4133 0.4268 0.4404 0.4539 0.4675
0.4810 0.4945 0.5081 0.5216 0.5351
0.5487 0.5622 0.5757 0.5893 0.6028
0.6164 0.6325 0.6556 0.6786 0.7016
0.7247 0.7477 0.7708 0.8082 0.8495
0.8908 0.9267 0.9512 0.9756 1.0000

Transect XS23

Area:

0.0025 0.0097 0.0182 0.0276 0.0379
0.0489 0.0609 0.0737 0.0871 0.1009
0.1149 0.1292 0.1437 0.1585 0.1736
0.1889 0.2045 0.2204 0.2365 0.2529
0.2695 0.2864 0.3035 0.3210 0.3386
0.3566 0.3748 0.3932 0.4120 0.4310
0.4502 0.4697 0.4895 0.5095 0.5298
0.5510 0.5751 0.6025 0.6328 0.6640
0.6956 0.7277 0.7602 0.7931 0.8265
0.8603 0.8946 0.9293 0.9644 1.0000

Hrad:

0.0157 0.0372 0.0632 0.0873 0.1099
0.1313 0.1519 0.1717 0.1961 0.2220
0.2474 0.2721 0.2964 0.3203 0.3437
0.3666 0.3892 0.4114 0.4333 0.4548
0.4760 0.4970 0.5176 0.5380 0.5581
0.5780 0.5977 0.6171 0.6364 0.6554
0.6743 0.6930 0.7115 0.7298 0.7480
0.7695 0.7916 0.8085 0.8217 0.8357
0.8506 0.8660 0.8820 0.8983 0.9149
0.9317 0.9486 0.9657 0.9828 1.0000

Width:

0.1418 0.2270 0.2507 0.2743 0.2980
0.3216 0.3453 0.3689 0.3808 0.3881
0.3954 0.4027 0.4100 0.4173 0.4246
0.4319 0.4392 0.4465 0.4538 0.4611
0.4684 0.4757 0.4830 0.4903 0.4976
0.5049 0.5122 0.5195 0.5269 0.5342
0.5415 0.5488 0.5561 0.5634 0.5707
0.6287 0.7192 0.8098 0.8655 0.8777
0.8899 0.9022 0.9144 0.9266 0.9388
0.9511 0.9633 0.9755 0.9878 1.0000

Transect XS24
Area:
0.0067 0.0174 0.0297 0.0423 0.0551
0.0683 0.0818 0.0956 0.1096 0.1240
0.1386 0.1536 0.1689 0.1844 0.2002
0.2164 0.2328 0.2496 0.2666 0.2839
0.3015 0.3195 0.3377 0.3562 0.3750
0.3941 0.4135 0.4332 0.4532 0.4735
0.4941 0.5150 0.5361 0.5576 0.5794
0.6015 0.6238 0.6465 0.6695 0.6927
0.7163 0.7402 0.7660 0.7938 0.8238
0.8559 0.8903 0.9258 0.9624 1.0000
Hrad:
0.0246 0.0472 0.0779 0.1076 0.1362
0.1639 0.1907 0.2167 0.2421 0.2667
0.2907 0.3142 0.3371 0.3595 0.3814
0.4030 0.4241 0.4448 0.4652 0.4853
0.5051 0.5245 0.5437 0.5626 0.5813
0.5998 0.6180 0.6360 0.6538 0.6715
0.6889 0.7062 0.7234 0.7403 0.7572
0.7739 0.7904 0.8068 0.8232 0.8394
0.8554 0.8738 0.8936 0.9105 0.9248
0.9376 0.9534 0.9691 0.9847 1.0000
Width:
0.2354 0.3187 0.3264 0.3342 0.3420
0.3498 0.3576 0.3654 0.3731 0.3809
0.3887 0.3965 0.4043 0.4120 0.4198
0.4276 0.4354 0.4432 0.4510 0.4587
0.4665 0.4743 0.4821 0.4899 0.4976
0.5054 0.5132 0.5210 0.5288 0.5366
0.5443 0.5521 0.5599 0.5677 0.5755
0.5832 0.5910 0.5988 0.6066 0.6144
0.6222 0.6482 0.7034 0.7587 0.8140
0.8726 0.9205 0.9470 0.9735 1.0000

Transect XS25
Area:
0.0009 0.0036 0.0082 0.0146 0.0228
0.0326 0.0429 0.0537 0.0648 0.0764
0.0883 0.1007 0.1134 0.1266 0.1401
0.1541 0.1684 0.1832 0.1983 0.2139
0.2298 0.2462 0.2629 0.2801 0.2976
0.3156 0.3339 0.3527 0.3718 0.3914
0.4113 0.4316 0.4525 0.4744 0.4977
0.5223 0.5482 0.5754 0.6040 0.6339
0.6651 0.6976 0.7314 0.7662 0.8023

0.8395 0.8779 0.9174 0.9581 1.0000
Hrad:
0.0217 0.0434 0.0651 0.0868 0.1085
0.1391 0.1758 0.2111 0.2452 0.2783
0.3104 0.3418 0.3723 0.4022 0.4315
0.4602 0.4884 0.5161 0.5434 0.5702
0.5968 0.6229 0.6488 0.6744 0.6997
0.7248 0.7496 0.7742 0.7986 0.8228
0.8469 0.8707 0.8816 0.8721 0.8660
0.8627 0.8617 0.8629 0.8658 0.8703
0.8762 0.8858 0.8983 0.9114 0.9251
0.9392 0.9538 0.9689 0.9843 1.0000
Width:
0.0429 0.0858 0.1287 0.1717 0.2146
0.2390 0.2484 0.2578 0.2673 0.2767
0.2861 0.2955 0.3049 0.3144 0.3238
0.3332 0.3426 0.3521 0.3615 0.3709
0.3803 0.3897 0.3992 0.4086 0.4180
0.4274 0.4368 0.4463 0.4557 0.4651
0.4745 0.4839 0.5012 0.5324 0.5636
0.5948 0.6260 0.6573 0.6885 0.7197
0.7509 0.7802 0.8077 0.8351 0.8626
0.8901 0.9176 0.9450 0.9725 1.0000

Transect XS26
Area:
0.0007 0.0029 0.0065 0.0116 0.0182
0.0262 0.0355 0.0456 0.0564 0.0678
0.0799 0.0926 0.1060 0.1200 0.1347
0.1501 0.1661 0.1828 0.2001 0.2181
0.2367 0.2561 0.2760 0.2967 0.3179
0.3399 0.3625 0.3857 0.4096 0.4342
0.4590 0.4843 0.5099 0.5359 0.5622
0.5889 0.6159 0.6433 0.6711 0.6992
0.7276 0.7565 0.7857 0.8152 0.8451
0.8754 0.9060 0.9370 0.9683 1.0000
Hrad:
0.0195 0.0389 0.0584 0.0779 0.0974
0.1168 0.1410 0.1683 0.1942 0.2191
0.2431 0.2663 0.2889 0.3109 0.3325
0.3537 0.3746 0.3951 0.4154 0.4354
0.4553 0.4749 0.4944 0.5137 0.5329
0.5520 0.5709 0.5898 0.6085 0.6292
0.6507 0.6717 0.6923 0.7126 0.7325
0.7521 0.7713 0.7903 0.8090 0.8274
0.8456 0.8635 0.8813 0.8988 0.9161
0.9332 0.9502 0.9669 0.9835 1.0000
Width:
0.0456 0.0912 0.1369 0.1825 0.2281
0.2737 0.3064 0.3271 0.3477 0.3684
0.3890 0.4097 0.4303 0.4510 0.4716
0.4922 0.5129 0.5335 0.5542 0.5748
0.5955 0.6161 0.6368 0.6574 0.6781
0.6987 0.7193 0.7400 0.7606 0.7753
0.7865 0.7977 0.8090 0.8202 0.8315
0.8427 0.8539 0.8652 0.8764 0.8876
0.8989 0.9101 0.9213 0.9326 0.9438

0.9551 0.9663 0.9775 0.9888 1.0000

Transect XS27
Area:
0.0015 0.0058 0.0131 0.0232 0.0355
0.0484 0.0616 0.0752 0.0892 0.1037
0.1186 0.1338 0.1495 0.1656 0.1821
0.1990 0.2163 0.2341 0.2522 0.2708
0.2897 0.3091 0.3289 0.3491 0.3697
0.3907 0.4121 0.4340 0.4562 0.4789
0.5019 0.5254 0.5493 0.5735 0.5981
0.6229 0.6480 0.6734 0.6991 0.7251
0.7513 0.7778 0.8046 0.8317 0.8590
0.8867 0.9146 0.9428 0.9712 1.0000
Hrad:
0.0189 0.0378 0.0567 0.0757 0.1056
0.1376 0.1679 0.1970 0.2249 0.2517
0.2776 0.3027 0.3270 0.3506 0.3736
0.3961 0.4180 0.4394 0.4604 0.4810
0.5013 0.5212 0.5408 0.5601 0.5791
0.5979 0.6165 0.6348 0.6529 0.6708
0.6886 0.7062 0.7236 0.7414 0.7593
0.7768 0.7942 0.8112 0.8280 0.8446
0.8610 0.8771 0.8931 0.9089 0.9244
0.9399 0.9551 0.9702 0.9852 1.0000
Width:
0.1004 0.2008 0.3013 0.4017 0.4362
0.4504 0.4646 0.4788 0.4930 0.5072
0.5214 0.5356 0.5498 0.5640 0.5782
0.5924 0.6066 0.6208 0.6350 0.6492
0.6634 0.6776 0.6918 0.7060 0.7202
0.7344 0.7486 0.7628 0.7770 0.7912
0.8054 0.8196 0.8338 0.8449 0.8546
0.8643 0.8740 0.8837 0.8934 0.9031
0.9128 0.9225 0.9322 0.9418 0.9515
0.9612 0.9709 0.9806 0.9903 1.0000

Transect XS28
Area:
0.0008 0.0034 0.0075 0.0134 0.0209
0.0302 0.0411 0.0535 0.0669 0.0811
0.0962 0.1117 0.1275 0.1435 0.1598
0.1763 0.1931 0.2101 0.2274 0.2450
0.2628 0.2808 0.2991 0.3176 0.3364
0.3555 0.3748 0.3943 0.4141 0.4342
0.4545 0.4750 0.4958 0.5169 0.5382
0.5603 0.5831 0.6067 0.6315 0.6579
0.6859 0.7154 0.7466 0.7794 0.8137
0.8496 0.8862 0.9236 0.9616 1.0000
Hrad:
0.0253 0.0506 0.0759 0.1012 0.1264
0.1517 0.1770 0.2073 0.2417 0.2744
0.3061 0.3446 0.3815 0.4170 0.4512
0.4842 0.5161 0.5470 0.5769 0.6060
0.6343 0.6619 0.6887 0.7149 0.7405
0.7656 0.7901 0.8141 0.8377 0.8608
0.8835 0.9059 0.9278 0.9494 0.9706

0.9905 1.0090 1.0262 1.0212 1.0172
1.0144 1.0129 1.0126 1.0134 1.0152
1.0254 1.0457 1.0654 1.0851 1.0000
Width:
0.0435 0.0869 0.1304 0.1739 0.2173
0.2608 0.3043 0.3370 0.3580 0.3790
0.3995 0.4061 0.4126 0.4191 0.4256
0.4321 0.4386 0.4452 0.4517 0.4582
0.4647 0.4712 0.4777 0.4843 0.4908
0.4973 0.5038 0.5103 0.5169 0.5234
0.5299 0.5364 0.5429 0.5494 0.5608
0.5815 0.6022 0.6230 0.6639 0.7052
0.7464 0.7877 0.8289 0.8702 0.9114
0.9428 0.9603 0.9779 0.9915 1.0000

Transect XS29
Area:
0.0007 0.0026 0.0059 0.0105 0.0164
0.0236 0.0321 0.0419 0.0529 0.0646
0.0769 0.0900 0.1037 0.1181 0.1332
0.1489 0.1654 0.1824 0.1998 0.2176
0.2356 0.2541 0.2728 0.2919 0.3114
0.3312 0.3514 0.3719 0.3927 0.4139
0.4355 0.4573 0.4796 0.5021 0.5251
0.5483 0.5720 0.5959 0.6203 0.6462
0.6738 0.7030 0.7338 0.7663 0.8005
0.8364 0.8739 0.9136 0.9560 1.0000
Hrad:
0.0231 0.0461 0.0692 0.0922 0.1153
0.1383 0.1614 0.1844 0.2148 0.2468
0.2776 0.3075 0.3366 0.3651 0.3930
0.4204 0.4473 0.4801 0.5140 0.5473
0.5801 0.6123 0.6440 0.6752 0.7059
0.7362 0.7662 0.7957 0.8249 0.8538
0.8823 0.9105 0.9385 0.9661 0.9935
1.0207 1.0476 1.0743 1.0782 1.0565
1.0398 1.0273 1.0183 1.0124 1.0091
1.0081 1.0067 0.9881 0.9797 1.0000
Width:
0.0294 0.0588 0.0882 0.1176 0.1470
0.1763 0.2057 0.2351 0.2542 0.2695
0.2848 0.3001 0.3154 0.3307 0.3460
0.3614 0.3767 0.3861 0.3939 0.4016
0.4094 0.4172 0.4249 0.4327 0.4404
0.4482 0.4560 0.4637 0.4715 0.4792
0.4870 0.4948 0.5025 0.5103 0.5180
0.5258 0.5336 0.5413 0.5618 0.5991
0.6363 0.6736 0.7108 0.7480 0.7853
0.8225 0.8620 0.9212 0.9747 1.0000

Transect XS3
Area:
0.0013 0.0052 0.0118 0.0210 0.0328
0.0472 0.0643 0.0829 0.1019 0.1211
0.1404 0.1598 0.1794 0.1991 0.2190
0.2390 0.2591 0.2794 0.2999 0.3204
0.3411 0.3620 0.3830 0.4041 0.4254

0.4468 0.4684 0.4901 0.5119 0.5339
0.5560 0.5783 0.6007 0.6232 0.6459
0.6687 0.6917 0.7148 0.7380 0.7614
0.7849 0.8086 0.8324 0.8562 0.8801
0.9040 0.9279 0.9519 0.9759 1.0000

Hrad:

0.0141 0.0282 0.0423 0.0565 0.0706
0.0847 0.1000 0.1230 0.1495 0.1755
0.2011 0.2263 0.2512 0.2757 0.2999
0.3237 0.3472 0.3703 0.3932 0.4158
0.4381 0.4601 0.4818 0.5033 0.5245
0.5455 0.5662 0.5867 0.6070 0.6271
0.6469 0.6666 0.6860 0.7053 0.7243
0.7432 0.7619 0.7804 0.7988 0.8169
0.8349 0.8528 0.8716 0.8906 0.9093
0.9279 0.9462 0.9643 0.9823 1.0000

Width:

0.1090 0.2179 0.3269 0.4359 0.5449
0.6538 0.7532 0.7868 0.7926 0.7985
0.8043 0.8102 0.8160 0.8219 0.8277
0.8336 0.8394 0.8453 0.8511 0.8570
0.8628 0.8687 0.8745 0.8804 0.8862
0.8921 0.8980 0.9038 0.9097 0.9155
0.9214 0.9272 0.9331 0.9389 0.9448
0.9506 0.9565 0.9623 0.9682 0.9740
0.9799 0.9857 0.9883 0.9900 0.9917
0.9933 0.9950 0.9967 0.9983 1.0000

Transect XS4

Area:

0.0019 0.0075 0.0157 0.0251 0.0354
0.0467 0.0590 0.0723 0.0866 0.1019
0.1181 0.1351 0.1523 0.1698 0.1877
0.2058 0.2243 0.2430 0.2621 0.2814
0.3011 0.3210 0.3413 0.3618 0.3827
0.4039 0.4253 0.4471 0.4692 0.4916
0.5142 0.5372 0.5605 0.5841 0.6080
0.6321 0.6566 0.6814 0.7065 0.7319
0.7576 0.7836 0.8099 0.8365 0.8633
0.8903 0.9175 0.9448 0.9723 1.0000

Hrad:

0.0152 0.0304 0.0540 0.0770 0.0985
0.1187 0.1381 0.1568 0.1749 0.1926
0.2100 0.2350 0.2595 0.2836 0.3072
0.3303 0.3531 0.3754 0.3974 0.4191
0.4404 0.4615 0.4822 0.5027 0.5229
0.5428 0.5625 0.5820 0.6013 0.6204
0.6392 0.6579 0.6764 0.6947 0.7129
0.7309 0.7487 0.7664 0.7840 0.8014
0.8187 0.8359 0.8530 0.8712 0.8929
0.9146 0.9361 0.9575 0.9788 1.0000

Width:

0.1342 0.2683 0.3175 0.3534 0.3893
0.4251 0.4610 0.4969 0.5328 0.5686
0.6044 0.6153 0.6262 0.6371 0.6480
0.6589 0.6697 0.6806 0.6915 0.7024
0.7133 0.7242 0.7351 0.7460 0.7569

0.7677 0.7786 0.7895 0.8004 0.8113
0.8222 0.8331 0.8440 0.8549 0.8658
0.8766 0.8875 0.8984 0.9093 0.9202
0.9311 0.9420 0.9529 0.9626 0.9688
0.9750 0.9813 0.9875 0.9938 1.0000

Transect XS5
Area:
0.0015 0.0061 0.0138 0.0246 0.0384
0.0542 0.0703 0.0866 0.1032 0.1201
0.1372 0.1546 0.1723 0.1902 0.2083
0.2268 0.2454 0.2644 0.2836 0.3030
0.3228 0.3427 0.3630 0.3834 0.4042
0.4252 0.4465 0.4680 0.4898 0.5118
0.5341 0.5567 0.5795 0.6026 0.6259
0.6495 0.6732 0.6972 0.7213 0.7457
0.7702 0.7950 0.8199 0.8451 0.8704
0.8959 0.9216 0.9476 0.9737 1.0000
Hrad:
0.0164 0.0328 0.0492 0.0656 0.0821
0.1103 0.1392 0.1672 0.1942 0.2203
0.2456 0.2702 0.2941 0.3174 0.3401
0.3622 0.3837 0.4048 0.4254 0.4456
0.4653 0.4847 0.5037 0.5224 0.5407
0.5587 0.5764 0.5939 0.6111 0.6280
0.6447 0.6612 0.6774 0.6935 0.7094
0.7296 0.7497 0.7696 0.7895 0.8092
0.8287 0.8482 0.8675 0.8868 0.9059
0.9249 0.9439 0.9627 0.9814 1.0000
Width:
0.1162 0.2325 0.3487 0.4649 0.5811
0.6044 0.6142 0.6240 0.6338 0.6436
0.6534 0.6632 0.6729 0.6827 0.6925
0.7023 0.7121 0.7219 0.7317 0.7415
0.7513 0.7611 0.7709 0.7806 0.7904
0.8002 0.8100 0.8198 0.8296 0.8394
0.8492 0.8590 0.8688 0.8786 0.8883
0.8958 0.9032 0.9107 0.9181 0.9255
0.9330 0.9404 0.9479 0.9553 0.9628
0.9702 0.9777 0.9851 0.9926 1.0000

Transect XS6
Area:
0.0004 0.0016 0.0036 0.0063 0.0099
0.0142 0.0194 0.0253 0.0321 0.0396
0.0479 0.0570 0.0669 0.0776 0.0890
0.1013 0.1144 0.1282 0.1428 0.1583
0.1745 0.1915 0.2093 0.2279 0.2473
0.2675 0.2885 0.3102 0.3328 0.3561
0.3803 0.4052 0.4309 0.4574 0.4847
0.5128 0.5417 0.5714 0.6018 0.6331
0.6652 0.6983 0.7324 0.7676 0.8037
0.8409 0.8792 0.9184 0.9587 1.0000
Hrad:
0.0202 0.0405 0.0607 0.0810 0.1012
0.1215 0.1417 0.1619 0.1822 0.2024
0.2227 0.2429 0.2632 0.2834 0.3037

0.3239 0.3441 0.3644 0.3846 0.4049
0.4251 0.4454 0.4656 0.4858 0.5061
0.5263 0.5466 0.5668 0.5871 0.6073
0.6276 0.6478 0.6680 0.6883 0.7085
0.7288 0.7490 0.7693 0.7895 0.8097
0.8299 0.8497 0.8691 0.8882 0.9070
0.9255 0.9437 0.9617 0.9795 1.0000

Width:

0.0190 0.0380 0.0570 0.0759 0.0949
0.1139 0.1329 0.1519 0.1709 0.1899
0.2088 0.2278 0.2468 0.2658 0.2848
0.3038 0.3228 0.3417 0.3607 0.3797
0.3987 0.4177 0.4367 0.4556 0.4746
0.4936 0.5126 0.5316 0.5506 0.5696
0.5885 0.6075 0.6265 0.6455 0.6645
0.6835 0.7025 0.7214 0.7404 0.7597
0.7816 0.8062 0.8309 0.8555 0.8802
0.9048 0.9294 0.9541 0.9787 1.0000

Transect XS7

Area:

0.0004 0.0016 0.0035 0.0063 0.0098
0.0141 0.0192 0.0251 0.0317 0.0392
0.0474 0.0564 0.0662 0.0768 0.0882
0.1003 0.1132 0.1270 0.1414 0.1567
0.1728 0.1896 0.2073 0.2257 0.2449
0.2649 0.2856 0.3072 0.3295 0.3526
0.3765 0.4012 0.4267 0.4529 0.4800
0.5078 0.5364 0.5658 0.5960 0.6269
0.6588 0.6919 0.7262 0.7616 0.7983
0.8362 0.8754 0.9157 0.9572 1.0000

Hrad:

0.0206 0.0412 0.0617 0.0823 0.1029
0.1235 0.1441 0.1646 0.1852 0.2058
0.2264 0.2470 0.2675 0.2881 0.3087
0.3293 0.3499 0.3704 0.3910 0.4116
0.4322 0.4528 0.4733 0.4939 0.5145
0.5351 0.5557 0.5762 0.5968 0.6174
0.6380 0.6586 0.6791 0.6997 0.7203
0.7409 0.7615 0.7820 0.8026 0.8232
0.8435 0.8631 0.8819 0.9002 0.9178
0.9349 0.9515 0.9677 0.9834 1.0000

Width:

0.0181 0.0362 0.0543 0.0724 0.0905
0.1086 0.1267 0.1448 0.1629 0.1810
0.1991 0.2173 0.2354 0.2535 0.2716
0.2897 0.3078 0.3259 0.3440 0.3621
0.3802 0.3983 0.4164 0.4345 0.4526
0.4707 0.4888 0.5069 0.5250 0.5431
0.5612 0.5793 0.5974 0.6156 0.6337
0.6518 0.6699 0.6880 0.7061 0.7252
0.7498 0.7778 0.8058 0.8338 0.8618
0.8898 0.9178 0.9458 0.9738 1.0000

Transect XS8

Area:

0.0009 0.0035 0.0078 0.0139 0.0216

0.0312 0.0424 0.0554 0.0701 0.0866
0.1047 0.1247 0.1456 0.1668 0.1880
0.2094 0.2309 0.2525 0.2742 0.2961
0.3181 0.3402 0.3624 0.3848 0.4073
0.4299 0.4526 0.4755 0.4985 0.5216
0.5448 0.5682 0.5916 0.6152 0.6389
0.6627 0.6865 0.7103 0.7342 0.7581
0.7821 0.8061 0.8302 0.8543 0.8785
0.9027 0.9269 0.9512 0.9756 1.0000
Hrad:
0.0163 0.0326 0.0490 0.0653 0.0816
0.0979 0.1143 0.1306 0.1469 0.1632
0.1796 0.1959 0.2240 0.2527 0.2807
0.3082 0.3350 0.3613 0.3871 0.4123
0.4370 0.4612 0.4850 0.5083 0.5312
0.5537 0.5758 0.5975 0.6189 0.6399
0.6605 0.6808 0.7008 0.7205 0.7403
0.7597 0.7789 0.7976 0.8161 0.8342
0.8521 0.8696 0.8868 0.9038 0.9205
0.9369 0.9530 0.9689 0.9846 1.0000
Width:
0.0709 0.1418 0.2127 0.2835 0.3544
0.4253 0.4962 0.5671 0.6380 0.7089
0.7797 0.8506 0.8622 0.8673 0.8723
0.8774 0.8825 0.8876 0.8926 0.8977
0.9028 0.9079 0.9129 0.9180 0.9231
0.9282 0.9332 0.9383 0.9434 0.9485
0.9535 0.9586 0.9637 0.9688 0.9711
0.9730 0.9749 0.9768 0.9788 0.9807
0.9826 0.9846 0.9865 0.9884 0.9904
0.9923 0.9942 0.9961 0.9981 1.0000

Transect XS9
Area:
0.0006 0.0026 0.0058 0.0103 0.0161
0.0232 0.0316 0.0412 0.0522 0.0644
0.0779 0.0926 0.1079 0.1239 0.1404
0.1575 0.1753 0.1936 0.2125 0.2321
0.2522 0.2728 0.2938 0.3152 0.3371
0.3593 0.3819 0.4050 0.4284 0.4523
0.4765 0.5012 0.5262 0.5517 0.5775
0.6038 0.6305 0.6576 0.6850 0.7129
0.7408 0.7690 0.7973 0.8258 0.8544
0.8832 0.9122 0.9413 0.9706 1.0000
Hrad:
0.0150 0.0301 0.0451 0.0602 0.0752
0.0903 0.1053 0.1204 0.1354 0.1505
0.1655 0.1854 0.2076 0.2293 0.2505
0.2712 0.2916 0.3115 0.3312 0.3505
0.3699 0.3920 0.4139 0.4355 0.4568
0.4778 0.4986 0.5191 0.5395 0.5596
0.5796 0.5993 0.6189 0.6383 0.6575
0.6766 0.6955 0.7143 0.7330 0.7560
0.7809 0.8058 0.8305 0.8551 0.8795
0.9038 0.9281 0.9522 0.9761 1.0000
Width:
0.0436 0.0873 0.1309 0.1746 0.2182

0.2619	0.3055	0.3491	0.3928	0.4364
0.4801	0.5093	0.5296	0.5499	0.5703
0.5906	0.6110	0.6313	0.6516	0.6720
0.6918	0.7055	0.7191	0.7328	0.7465
0.7601	0.7738	0.7875	0.8011	0.8148
0.8285	0.8421	0.8558	0.8695	0.8831
0.8968	0.9105	0.9241	0.9378	0.9459
0.9513	0.9567	0.9621	0.9675	0.9730
0.9784	0.9838	0.9892	0.9946	1.0000

****
NOTE: The summary statistics displayed in this report are
based on results found at every computational time step,
not just on results from each reporting time step.
****

****
Analysis Options
****
Flow Units ..... CFS
Process Models:
  Rainfall/Runoff ..... YES
  RDII ..... NO
  Snowmelt ..... NO
  Groundwater ..... NO
  Flow Routing ..... YES
  Ponding Allowed ..... YES
  Water Quality ..... NO
Flow Routing Method ..... DYNWAVE
Surcharge Method ..... EXTRAN
Starting Date 11/01/2021 00:00:00
Ending Date 11/01/2021 12:00:00
Antecedent Dry Days 0.0
Report Time Step 00:03:00
Routing Time Step ..... 5.00 sec
Variable Time Step ..... YES
Maximum Trials 8
Number of Threads 12
Head Tolerance ..... 0.005000 ft

**********	Volume	Volume
Flow Routing Continuity	acre-feet	10^6 gal
**********	---	---
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	0.000	0.000
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	99.025	32.269
External Outflow	95.634	31.164
Flooding Loss	2.150	0.701
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.001	0.000
Final Stored Volume	1.185	0.386
Continuity Error (%)	0.057	

****
Highest Continuity Errors
****
Node J161 (-13.12%)
Node J163 (3.83%)

****
Time-Step Critical Elements
****
Link C145 (68.50%)
Link C4_1 (12.28%)
Link C9 (6.78%)
Link C103 (4.49%)
Link C177 (2.98%)

****
Highest Flow Instability Indexes
****
Link C18 (28)
Link C17 (27)
Link C19 (27)
Link C53 (23)
Link C54 (20)

****
Routing Time Step Summary
****
Minimum Time Step   :   0.39 sec
Average Time Step   :   0.91 sec
Maximum Time Step   :   5.00 sec
Percent in Steady State   :   0.00
Average Iterations per Step :   2.44
Percent Not Converging   :   1.59
Time Step Frequencies   :
    5.000 - 3.155 sec   :   2.92 %
    3.155 - 1.991 sec   :   10.99 %
    1.991 - 1.256 sec   :   5.46 %
    1.256 - 0.792 sec   :   5.52 %
    0.792 - 0.500 sec   :   75.12 %

****
Node Depth Summary
****

Node	Type	Average Depth Feet	Maximum Depth Feet	Maximum HGL Feet	Time of Max Occurrence days hr:min	Reported Max Depth Feet
J1	JUNCTION	1.03	3.31	851.70	0 03:28	3.31
J10	JUNCTION	1.38	7.51	886.55	0 03:08	7.41

J100	JUNCTION	0.53	1.59	907.20	0	03:10	1.58
J101	JUNCTION	0.56	5.42	968.70	0	03:08	5.39
J102	JUNCTION	0.42	1.34	999.53	0	03:06	1.34
J103	JUNCTION	0.04	0.10	996.11	0	03:06	0.10
J104	JUNCTION	0.17	0.45	980.54	0	03:06	0.45
J105	JUNCTION	0.11	0.25	979.33	0	03:06	0.25
J106	JUNCTION	0.37	1.52	978.45	0	03:09	1.52
J107	JUNCTION	0.05	0.47	991.25	0	03:07	0.47
J108	JUNCTION	0.15	0.85	1008.85	0	03:09	0.85
J109	JUNCTION	0.00	0.00	978.18	0	00:00	0.00
J11	JUNCTION	0.76	2.02	900.42	0	03:20	2.02
J110	JUNCTION	0.57	2.40	1016.40	0	03:09	2.40
J111	JUNCTION	0.29	1.04	1008.84	0	03:09	1.04
J112	JUNCTION	0.00	0.00	998.36	0	00:00	0.00
J113	JUNCTION	0.00	0.10	1037.34	0	03:07	0.10
J114	JUNCTION	0.00	0.00	891.30	0	00:00	0.00
J115	JUNCTION	0.00	0.00	892.11	0	00:00	0.00
J116	JUNCTION	0.00	0.00	894.30	0	00:00	0.00
J117	JUNCTION	1.42	5.12	887.21	0	03:09	5.11
J118	JUNCTION	0.45	1.33	892.12	0	03:06	1.33
J119	JUNCTION	0.69	2.02	892.65	0	03:06	2.02
J12	JUNCTION	0.54	1.65	897.59	0	03:09	1.64
J120	JUNCTION	0.28	1.05	892.52	0	03:06	1.05
J121	JUNCTION	0.02	0.40	892.53	0	03:06	0.39
J122	JUNCTION	0.19	0.74	894.65	0	03:06	0.74
J123	JUNCTION	0.00	0.00	893.13	0	00:00	0.00
J124	JUNCTION	0.00	0.00	893.48	0	00:00	0.00
J125	JUNCTION	0.29	1.18	882.83	0	03:06	1.18
J126	JUNCTION	0.52	6.77	884.39	0	02:58	2.98
J127	JUNCTION	0.00	0.00	884.30	0	00:00	0.00
J128	JUNCTION	0.00	0.00	882.80	0	02:58	0.00
J129	JUNCTION	0.29	1.27	878.32	0	02:58	1.17
J13	JUNCTION	0.84	2.81	863.17	0	03:12	2.81
J130	JUNCTION	0.45	4.72	867.59	0	02:58	2.69
J131	JUNCTION	0.30	2.07	863.73	0	03:13	1.20
J132	JUNCTION	0.31	1.16	993.06	0	03:09	1.16
J133	JUNCTION	0.46	1.69	985.48	0	03:09	1.69
J134	JUNCTION	0.57	2.42	1045.21	0	03:06	2.42
J135	JUNCTION	1.11	9.95	987.04	0	03:09	9.94
J136	JUNCTION	0.66	6.48	979.94	0	03:09	6.47
J137	JUNCTION	0.68	3.91	974.62	0	03:09	3.91
J138	JUNCTION	0.79	5.39	976.77	0	03:09	5.39
J139	JUNCTION	0.34	1.43	960.93	0	03:12	1.43
J14	JUNCTION	1.51	6.81	865.63	0	03:13	6.80
J140	JUNCTION	0.34	1.37	932.52	0	03:12	1.37
J141	JUNCTION	0.44	2.80	932.29	0	03:12	2.79
J142	JUNCTION	0.01	0.44	1047.40	0	03:09	0.44
J143	JUNCTION	0.55	3.70	1037.67	0	03:09	3.70
J144	JUNCTION	0.07	1.93	968.70	0	03:08	1.90
J145	JUNCTION	0.03	1.09	968.74	0	03:07	1.05
J146	JUNCTION	0.03	1.09	968.74	0	03:07	1.04
J147	JUNCTION	0.15	1.15	1047.40	0	03:09	1.15
J148	JUNCTION	0.78	1.68	930.76	0	03:06	1.68
J149	JUNCTION	0.01	0.69	1074.57	0	03:06	0.59
J15	JUNCTION	0.75	2.94	861.38	0	03:13	2.86
J150	JUNCTION	0.32	1.40	1047.40	0	03:09	1.40
J151	JUNCTION	0.29	1.02	997.52	0	03:09	1.02

J154	JUNCTION	0.77	3.80	980.61	0	03:09	3.77
J155	JUNCTION	0.63	4.30	981.46	0	03:09	4.26
J156	JUNCTION	0.30	1.16	979.80	0	03:09	1.15
J157	JUNCTION	0.31	2.18	982.95	0	03:09	2.17
J158	JUNCTION	1.73	2.99	983.79	0	03:09	2.98
J159	JUNCTION	0.36	1.97	1004.13	0	03:09	1.96
J16	JUNCTION	1.63	6.14	863.07	0	03:13	6.05
J160	JUNCTION	0.00	0.00	1029.71	0	00:00	0.00
J161	JUNCTION	0.00	0.00	1014.00	0	03:04	0.00
J162	JUNCTION	1.46	3.87	1007.85	0	03:09	3.87
J163	JUNCTION	0.44	1.74	1010.71	0	03:09	1.74
J164	JUNCTION	0.31	1.60	1010.71	0	03:09	1.60
J165	JUNCTION	0.00	0.00	1011.41	0	00:00	0.00
J166	JUNCTION	0.30	1.68	977.68	0	03:09	1.66
J167	JUNCTION	0.18	0.81	966.72	0	03:09	0.81
J168	JUNCTION	0.00	0.00	912.61	0	00:00	0.00
J169	JUNCTION	0.00	0.00	912.00	0	00:00	0.00
J17	JUNCTION	0.71	3.08	857.65	0	03:13	3.04
J170	JUNCTION	0.00	0.00	908.86	0	00:00	0.00
J171	JUNCTION	0.00	0.00	905.27	0	00:00	0.00
J172	JUNCTION	0.34	1.34	903.24	0	03:09	1.34
J173	JUNCTION	0.00	0.00	910.94	0	00:00	0.00
J174	JUNCTION	0.00	0.00	909.90	0	00:00	0.00
J175	JUNCTION	0.00	0.00	908.08	0	00:00	0.00
J176	JUNCTION	0.00	0.00	901.94	0	00:00	0.00
J177	JUNCTION	0.00	0.00	900.54	0	00:00	0.00
J178	JUNCTION	0.00	0.00	903.72	0	00:00	0.00
J179	JUNCTION	0.01	0.81	899.10	0	03:07	0.68
J18	JUNCTION	1.17	5.48	859.03	0	03:09	5.48
J180	JUNCTION	0.62	3.69	899.01	0	03:07	3.67
J181	JUNCTION	0.07	0.97	890.97	0	03:06	0.97
J182	JUNCTION	0.56	2.49	890.92	0	03:06	2.47
J183	JUNCTION	0.00	0.00	884.34	0	00:00	0.00
J184	JUNCTION	0.00	0.00	861.91	0	00:00	0.00
J185	JUNCTION	0.00	0.00	927.55	0	00:00	0.00
J186	JUNCTION	0.00	0.00	926.20	0	00:00	0.00
J187	JUNCTION	0.45	3.00	1014.79	0	03:04	2.62
J19	JUNCTION	1.00	3.29	851.70	0	03:28	3.29
J2	JUNCTION	1.51	5.02	866.23	0	03:12	5.02
J20	JUNCTION	1.17	3.01	848.33	0	03:28	3.01
J21	JUNCTION	1.14	3.44	867.03	0	03:11	3.44
J22	JUNCTION	1.61	6.51	870.49	0	03:11	6.51
J23	JUNCTION	1.82	6.66	870.52	0	03:11	6.66
J24	JUNCTION	1.67	5.63	870.47	0	03:11	5.63
J25	JUNCTION	1.37	4.33	870.16	0	03:09	4.31
J26	JUNCTION	0.84	3.02	870.98	0	03:11	3.02
J27	JUNCTION	1.17	2.98	874.52	0	03:11	2.98
J28	JUNCTION	0.82	4.36	947.57	0	03:06	4.36
J29	JUNCTION	0.39	1.45	928.14	0	03:12	1.45
J3	JUNCTION	0.83	2.86	856.01	0	03:08	2.85
J30	JUNCTION	0.88	3.99	926.01	0	03:13	3.96
J31	JUNCTION	1.17	6.12	925.74	0	03:13	6.10
J32	JUNCTION	0.99	5.52	924.79	0	03:15	5.52
J33	JUNCTION	0.42	1.66	919.40	0	03:15	1.66
J34	JUNCTION	0.43	1.73	900.95	0	03:16	1.72
J35	JUNCTION	0.49	2.53	911.07	0	03:16	2.50
J36	JUNCTION	0.89	2.90	900.61	0	03:16	2.88

J37	JUNCTION	0.44	1.47	898.40	0	03:16	1.46
J38	JUNCTION	1.11	4.53	891.66	0	03:16	4.50
J39	JUNCTION	0.82	2.20	887.87	0	03:16	2.19
J4	JUNCTION	1.71	7.04	861.45	0	03:18	7.04
J40	JUNCTION	0.46	2.64	906.20	0	03:06	2.64
J41	JUNCTION	4.72	7.21	901.66	0	03:06	7.16
J42	JUNCTION	0.59	1.84	900.11	0	03:09	1.84
J43	JUNCTION	0.54	3.80	898.94	0	03:06	3.78
J44	JUNCTION	0.40	1.58	890.97	0	03:06	1.58
J45	JUNCTION	0.92	2.77	890.12	0	03:06	2.76
J46	JUNCTION	1.02	7.74	1036.97	0	03:09	7.72
J47	JUNCTION	0.65	7.02	1036.05	0	03:09	6.99
J48	JUNCTION	0.89	6.26	1034.49	0	03:09	6.23
J49	JUNCTION	0.39	1.56	1028.74	0	03:09	1.55
J5	JUNCTION	0.62	2.36	856.21	0	03:18	2.36
J50	JUNCTION	0.53	3.14	1014.83	0	03:04	2.72
J51	JUNCTION	0.57	4.55	1009.87	0	03:04	4.55
J52	JUNCTION	1.13	9.20	1005.89	0	03:16	9.15
J53	JUNCTION	0.04	2.16	1074.57	0	03:07	2.07
J54	JUNCTION	0.33	3.84	1074.56	0	03:07	3.75
J55	JUNCTION	0.23	0.99	1066.59	0	03:06	0.99
J56	JUNCTION	0.40	5.74	1056.34	0	03:06	5.61
J57	JUNCTION	0.26	1.14	1016.03	0	03:06	1.13
J58	JUNCTION	0.17	0.84	1046.59	0	03:06	0.83
J59	JUNCTION	0.27	1.19	1035.71	0	03:07	1.18
J6	JUNCTION	0.72	1.96	868.36	0	03:08	1.96
J60	JUNCTION	0.54	5.15	1026.65	0	03:06	5.15
J61	JUNCTION	0.77	5.04	1007.64	0	03:07	5.00
J62	JUNCTION	0.42	4.97	1006.75	0	03:07	4.77
J63	JUNCTION	0.46	1.86	997.71	0	03:07	1.84
J64	JUNCTION	1.06	5.79	992.59	0	03:08	5.78
J65	JUNCTION	0.79	2.59	989.13	0	03:08	2.58
J66	JUNCTION	1.09	4.86	983.72	0	03:08	4.86
J67	JUNCTION	0.72	4.09	986.45	0	03:08	4.05
J68	JUNCTION	1.03	6.20	983.17	0	03:08	6.19
J69	JUNCTION	0.78	6.02	982.39	0	02:53	5.81
J7	JUNCTION	4.07	11.00	886.38	0	03:00	11.00
J70	JUNCTION	1.18	7.36	980.77	0	03:17	7.36
J71	JUNCTION	0.14	0.66	970.32	0	03:08	0.66
J72	JUNCTION	0.00	0.00	1055.62	0	00:00	0.00
J74	JUNCTION	0.01	0.77	1053.06	0	03:09	0.73
J75	JUNCTION	0.00	0.04	1053.05	0	03:09	0.00
J76	JUNCTION	0.00	0.00	1053.68	0	00:00	0.00
J77	JUNCTION	1.81	6.15	1034.61	0	03:09	6.14
J78	JUNCTION	1.57	8.62	1030.06	0	03:08	8.62
J79	JUNCTION	1.94	7.97	1034.12	0	03:07	7.96
J8	JUNCTION	0.85	2.69	877.77	0	03:03	2.51
J80	JUNCTION	0.92	2.44	1016.99	0	03:09	2.44
J81	JUNCTION	0.65	4.77	1019.77	0	03:09	4.77
J82	JUNCTION	0.88	5.68	1019.68	0	03:09	5.67
J83	JUNCTION	0.30	2.20	1022.00	0	03:06	2.18
J84	JUNCTION	0.24	4.75	1022.80	0	03:26	1.71
J85	JUNCTION	0.72	2.74	990.99	0	03:09	2.74
J86	JUNCTION	0.56	3.54	990.71	0	03:04	3.54
J87	JUNCTION	0.91	4.32	990.72	0	03:05	4.30
J88	JUNCTION	0.37	1.07	986.72	0	03:05	1.07
J89	JUNCTION	0.62	2.38	983.90	0	03:05	2.38

J9	JUNCTION	3.81	11.00	886.66	0	03:01	10.77
J90	JUNCTION	0.99	5.38	985.63	0	03:09	5.38
J91	JUNCTION	1.13	4.40	1053.06	0	03:09	4.35
J92	JUNCTION	0.83	3.67	979.62	0	03:05	3.67
J95	JUNCTION	1.18	4.62	978.01	0	03:17	4.40
J96	JUNCTION	0.81	3.79	976.19	0	03:17	3.15
J97	JUNCTION	0.82	4.67	969.37	0	03:07	4.61
J98	JUNCTION	0.77	5.36	967.89	0	03:07	5.34
J99	JUNCTION	0.37	1.44	963.42	0	03:07	1.44
OF1	OUTFALL	1.17	3.01	846.05	0	03:28	3.01
J73	STORAGE	0.57	4.46	1053.04	0	03:09	4.43
SU1	STORAGE	0.82	2.26	950.36	0	03:21	2.26
SU2	STORAGE	0.02	0.52	890.98	0	03:06	0.51

****
Node Inflow Summary
****

Node	Type	Maximum Lateral Inflow CFS	Maximum Total Inflow CFS	Time of Max Occurrence days hr:min		Lateral Inflow Volume 10^6 gal	Total Inflow Volume 10^6 gal	Flow Balance Error Percent
J1	JUNCTION	106.46	1083.06	0	03:09	2.19	31.3	0.322
J10	JUNCTION	0.00	608.17	0	03:04	0	16.6	0.011
J100	JUNCTION	0.00	200.69	0	03:09	0	4.23	0.047
J101	JUNCTION	34.41	310.72	0	03:01	0.712	7.7	-0.011
J102	JUNCTION	12.23	12.23	0	03:06	0.235	0.235	-0.200
J103	JUNCTION	0.00	2.61	0	03:06	0	0.15	0.000
J104	JUNCTION	0.00	2.61	0	03:06	0	0.15	0.000
J105	JUNCTION	0.00	2.61	0	03:06	0	0.15	-0.003
J106	JUNCTION	0.00	225.17	0	03:09	0	6.3	0.000
J107	JUNCTION	0.00	9.60	0	03:06	0	0.0851	0.566
J108	JUNCTION	0.00	0.05	0	02:47	0	0.000144	0.022
J109	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J11	JUNCTION	33.37	302.39	0	03:20	0.662	9.82	0.010
J110	JUNCTION	0.00	134.33	0	03:09	0	4.56	0.000

J111	JUNCTION	0.00	134.34	0	03:09	0	4.56
-0.000							
J112	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J113	JUNCTION	0.00	1.74	0	03:06	0	0.00943
0.000							
J114	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J115	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J116	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J117	JUNCTION	96.23	196.27	0	03:09	2.06	4.27
0.013							
J118	JUNCTION	0.00	20.06	0	03:06	0	0.434
-0.087							
J119	JUNCTION	0.00	20.06	0	03:06	0	0.434
-0.001							
J12	JUNCTION	107.24	305.41	0	03:09	2.17	6.4
-0.030							
J120	JUNCTION	0.00	20.08	0	03:06	0	0.434
0.000							
J121	JUNCTION	0.00	0.03	0	03:02	0	8.47e-05
0.121							
J122	JUNCTION	20.08	20.08	0	03:06	0.434	0.434
0.000							
J123	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J124	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J125	JUNCTION	42.21	42.21	0	03:06	0.911	0.911
0.007							
J126	JUNCTION	0.00	42.21	0	03:06	0	0.911
-0.053							
J127	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J128	JUNCTION	0.00	0.20	0	02:58	0	7.76e-07
0.145 gal							
J129	JUNCTION	0.00	83.42	0	02:58	0	0.912
-0.046							
J13	JUNCTION	0.00	421.74	0	03:12	0	11.9
-0.000							
J130	JUNCTION	0.00	45.83	0	02:58	0	0.912
-0.274							
J131	JUNCTION	0.00	94.13	0	03:13	0	0.914
-0.149							
J132	JUNCTION	39.43	123.65	0	03:09	0.825	3.15
-0.000							
J133	JUNCTION	32.99	156.60	0	03:09	0.685	3.84
0.000							
J134	JUNCTION	0.00	93.01	0	03:06	0	1.91
0.000							
J135	JUNCTION	0.00	156.56	0	03:09	0	3.84
-0.006							
J136	JUNCTION	0.00	156.57	0	03:09	0	3.84
-0.005							
J137	JUNCTION	0.00	156.57	0	03:09	0	3.84
0.001							
J138	JUNCTION	0.00	156.57	0	03:09	0	3.84
-0.001							

J139	JUNCTION	0.00	156.65	0	03:09	0	3.84	0.026
J14	JUNCTION	0.00	421.73	0	03:12	0	11.9	0.000
J140	JUNCTION	0.00	99.59	0	03:12	0	2.43	0.001
J141	JUNCTION	0.00	99.59	0	03:12	0	2.43	-0.007
J142	JUNCTION	0.00	0.03	0	02:58	0	4.12e-05	0.033
J143	JUNCTION	0.00	170.39	0	03:09	0	3.57	-0.000
J144	JUNCTION	0.00	1.88	0	03:19	0	0.000711	0.389
J145	JUNCTION	0.00	0.65	0	03:03	0	0.000402	1.756
J146	JUNCTION	0.00	1.16	0	03:03	0	0.00131	-0.549
J147	JUNCTION	0.00	0.02	0	02:58	0	0.000111	0.025
J148	JUNCTION	0.00	104.37	0	03:06	0	0.801	0.597
J149	JUNCTION	0.00	0.25	0	03:04	0	9.5e-05	0.351
J15	JUNCTION	0.00	483.08	0	03:13	0	12.8	-0.000
J150	JUNCTION	35.48	170.42	0	03:09	0.711	3.57	-0.000
J151	JUNCTION	0.00	134.33	0	03:09	0	4.56	0.000
J154	JUNCTION	0.00	61.37	0	03:09	0	1.32	0.000
J155	JUNCTION	0.00	61.36	0	03:09	0	1.32	0.000
J156	JUNCTION	0.00	61.36	0	03:09	0	1.32	-0.000
J157	JUNCTION	0.00	61.36	0	03:09	0	1.32	0.000
J158	JUNCTION	0.00	61.38	0	03:09	0	1.32	0.008
J159	JUNCTION	0.00	61.51	0	03:09	0	1.32	0.000
J16	JUNCTION	0.00	477.91	0	03:13	0	12.8	0.001
J160	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J161	JUNCTION	0.00	0.19	0	03:04	0	1.57e-05	-11.601
J162	JUNCTION	0.00	61.58	0	03:09	0	1.32	0.000
J163	JUNCTION	0.00	0.06	0	03:06	0	0.000338	3.982
J164	JUNCTION	61.64	61.64	0	03:09	1.32	1.32	0.000
J165	JUNCTION	0.00	0.00	0	00:00	0	0	0.000 gal
J166	JUNCTION	0.00	61.37	0	03:09	0	1.32	0.000
J167	JUNCTION	0.00	200.90	0	03:09	0	4.23	-0.007

J168	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J169	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J17	JUNCTION	24.20	482.38	0	03:13	0.471	13.2
-0.000							
J170	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J171	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J172	JUNCTION	0.00	55.86	0	03:09	0	1.19
0.001							
J173	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J174	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J175	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J176	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J177	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J178	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J179	JUNCTION	0.00	0.99	0	03:04	0	0.000271
0.273							
J18	JUNCTION	0.00	480.24	0	03:13	0	13.2
-0.017							
J180	JUNCTION	0.00	55.99	0	03:09	0	1.19
0.033							
J181	JUNCTION	0.00	0.35	0	03:02	0	0.00164
0.004							
J182	JUNCTION	0.00	82.07	0	03:06	0	1.77
-0.000							
J183	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J184	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J185	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J186	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J187	JUNCTION	0.00	1.00	0	03:04	0	0.000236
-0.037							
J19	JUNCTION	0.00	866.54	0	03:19	0	31.2
0.240							
J2	JUNCTION	0.00	420.91	0	03:11	0	11.9
0.002							
J20	JUNCTION	0.00	783.95	0	03:28	0	31.2
0.001							
J21	JUNCTION	0.00	420.91	0	03:11	0	11.9
0.013							
J22	JUNCTION	0.00	420.91	0	03:11	0	11.9
-0.015							
J23	JUNCTION	0.00	420.89	0	03:11	0	11.9
0.000							
J24	JUNCTION	0.00	420.87	0	03:11	0	11.9
0.001							
J25	JUNCTION	0.00	420.77	0	03:11	0	11.9
0.000							

J26		JUNCTION	0.00	420.78	0	03:11	0
11.9	-0.000						
J27		JUNCTION	0.00	420.84	0	03:11	0
11.9	0.006						
J28		JUNCTION	157.19	157.19	0	03:06	3.33
3.33	0.012						
J29		JUNCTION	0.00	152.02	0	03:12	0
4.96	-0.000						
J3		JUNCTION	0.00	505.94	0	03:18	0
15.9	-0.003						
J30		JUNCTION	0.00	242.58	0	03:09	0
5.75	-0.103						
J31		JUNCTION	0.00	235.03	0	03:08	0
5.76	0.027						
J32		JUNCTION	0.00	283.34	0	03:05	0
7.17	0.296						
J33		JUNCTION	0.00	243.77	0	03:15	0
7.15	-0.000						
J34		JUNCTION	8.33	247.10	0	03:16	0.181
7.33	-0.000						
J35		JUNCTION	0.00	243.77	0	03:15	0
7.15	0.000						
J36		JUNCTION	0.00	247.10	0	03:16	0
7.33	0.000						
J37		JUNCTION	0.00	247.10	0	03:16	0
7.33	0.000						
J38		JUNCTION	12.74	252.75	0	03:16	0.263
7.59	-0.000						
J39		JUNCTION	0.00	252.60	0	03:16	0
7.59	0.000						
J4		JUNCTION	0.00	506.12	0	03:08	0
15.9	0.003						
J40		JUNCTION	55.88	55.88	0	03:09	1.19
1.19	0.000						
J41		JUNCTION	0.00	55.86	0	03:09	0
1.19	0.033						
J42		JUNCTION	0.00	56.05	0	03:07	0
1.19	0.003						
J43		JUNCTION	27.87	82.12	0	03:06	0.584
1.77	0.003						
J44		JUNCTION	0.00	82.12	0	03:06	0
1.77	-0.000						
J45		JUNCTION	0.00	82.07	0	03:06	0
1.77	-0.036						
J46		JUNCTION	85.95	85.95	0	03:09	1.84
1.84	-0.000						
J47		JUNCTION	0.00	85.60	0	03:09	0
1.84	-0.002						
J48		JUNCTION	0.00	85.31	0	03:09	0
1.84	-0.001						
J49		JUNCTION	0.00	85.25	0	03:09	0
1.84	-0.001						
J5		JUNCTION	0.00	505.94	0	03:18	0
15.9	0.000						
J50		JUNCTION	27.06	111.83	0	03:09	0.563
2.4	0.085						
J51		JUNCTION	0.00	119.93	0	03:04	0
2.4	-0.031						
J52		JUNCTION	0.00	102.36	0	03:05	0
2.33	-0.050						

J53	JUNCTION	0.00	1.07	0	03:01	0	0.000671
-0.280							
J54	JUNCTION	63.16	63.16	0	03:06	1.27	1.27
-0.000							
J55	JUNCTION	32.84	94.85	0	03:06	0.644	1.91
0.001							
J56	JUNCTION	0.00	94.83	0	03:06	0	1.91
-0.003							
J57	JUNCTION	0.00	121.41	0	03:06	0	2.5
0.001							
J58	JUNCTION	0.00	93.02	0	03:06	0	1.91
0.000							
J59	JUNCTION	0.00	93.00	0	03:07	0	1.91
-0.005							
J6	JUNCTION	0.00	506.40	0	03:08	0	15.9
0.027							
J60	JUNCTION	29.82	121.44	0	03:06	0.594	2.5
0.004							
J61	JUNCTION	0.00	121.41	0	03:06	0	2.5
0.006							
J62	JUNCTION	0.00	120.88	0	03:07	0	2.5
0.002							
J63	JUNCTION	0.00	120.93	0	03:07	0	2.5
-0.004							
J64	JUNCTION	20.38	140.98	0	03:07	0.41	2.91
0.063							
J65	JUNCTION	0.00	140.81	0	03:08	0	2.91
-0.039							
J66	JUNCTION	0.00	140.78	0	03:08	0	2.91
0.107							
J67	JUNCTION	0.00	140.80	0	03:08	0	2.91
0.002							
J68	JUNCTION	0.00	99.55	0	02:53	0	2.43
-0.120							
J69	JUNCTION	0.00	99.57	0	02:53	0	2.43
-0.002							
J7	JUNCTION	0.00	748.96	0	03:02	0	16.2
-0.060							
J70	JUNCTION	0.00	89.10	0	02:53	0	2.43
-0.001							
J71	JUNCTION	0.00	140.71	0	03:08	0	2.91
-0.002							
J72	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J74	JUNCTION	0.00	0.22	0	03:06	0	0.000143
0.172							
J75	JUNCTION	0.00	0.04	0	03:09	0	5.28e-06
0.030 gal							
J76	JUNCTION	0.00	0.00	0	00:00	0	0
0.000 gal							
J77	JUNCTION	10.82	180.96	0	03:09	0.221	3.79
-0.009							
J78	JUNCTION	0.00	68.37	0	02:47	0	3.19
0.005							
J79	JUNCTION	46.06	62.58	0	03:03	0.928	3.19
-0.010							
J8	JUNCTION	0.00	528.22	0	03:01	0	15.9
0.069							
J80	JUNCTION	0.00	61.40	0	03:08	0	3.19
-0.001							

J81	JUNCTION	0.00	187.25	0	03:09	0	2.05	-0.001
J82	JUNCTION	0.00	187.25	0	03:09	0	2.05	0.004
J83	JUNCTION	25.31	25.31	0	03:09	0.52	0.52	0.009
J84	JUNCTION	0.00	25.31	0	03:09	0	0.52	0.004
J85	JUNCTION	62.61	306.57	0	03:09	1.23	6.47	0.022
J86	JUNCTION	0.00	159.06	0	03:02	0	5.21	-0.000
J87	JUNCTION	0.00	234.61	0	03:04	0	6.16	-0.036
J88	JUNCTION	0.00	225.03	0	03:05	0	6.16	-0.001
J89	JUNCTION	0.00	225.02	0	03:05	0	6.16	-0.000
J9	JUNCTION	0.00	1078.67	0	03:03	0	16.7	-0.036
J90	JUNCTION	0.00	224.99	0	03:05	0	6.16	0.000
J91	JUNCTION	0.00	0.43	0	02:57	0	0.000541	26.700
J92	JUNCTION	33.16	259.09	0	03:06	0.677	6.99	0.002
J95	JUNCTION	0.00	290.10	0	03:07	0	6.99	-0.003
J96	JUNCTION	0.00	406.74	0	03:17	0	6.99	0.028
J97	JUNCTION	0.00	319.32	0	03:17	0	6.98	0.002
J98	JUNCTION	19.93	323.84	0	03:07	0.392	8.17	-0.000
J99	JUNCTION	0.00	322.31	0	03:07	0	8.17	-0.064
OF1	OUTFALL	0.00	783.96	0	03:28	0	31.2	0.000
J73	STORAGE	138.89	138.89	0	03:09	2.86	2.86	0.001
SU1	STORAGE	59.62	380.29	0	03:09	1.2	9.38	0.145
SU2	STORAGE	0.00	0.34	0	03:02	0	0.000777	0.022

****
Node Surcharge Summary
****

Surcharging occurs when water rises above the top of the highest conduit.

Node	Type	Hours Surcharged	Max. Height Above Crown Feet	Min. Depth Below Rim Feet
J101	JUNCTION	0.31	1.522	0.578
J126	JUNCTION	0.25	4.670	0.000
J130	JUNCTION	0.18	2.650	0.000

J135	JUNCTION	0.49	6.447	2.063
J136	JUNCTION	0.26	2.546	7.334
J138	JUNCTION	0.43	2.395	8.225
J144	JUNCTION	0.19	0.680	0.800
J154	JUNCTION	0.20	0.800	1.360
J163	JUNCTION	0.18	0.214	3.796
J180	JUNCTION	0.09	0.595	1.105
J187	JUNCTION	0.77	2.000	0.000
J41	JUNCTION	0.06	0.105	7.395
J43	JUNCTION	0.10	0.680	0.430
J46	JUNCTION	0.34	4.740	0.000
J47	JUNCTION	0.33	4.018	0.000
J48	JUNCTION	0.36	3.265	0.000
J51	JUNCTION	0.23	1.500	0.000
J52	JUNCTION	0.37	2.917	0.000
J53	JUNCTION	0.10	0.660	0.440
J54	JUNCTION	0.18	1.966	0.000
J56	JUNCTION	0.20	3.273	0.000
J67	JUNCTION	0.04	0.131	0.617
J68	JUNCTION	0.58	3.677	0.624
J69	JUNCTION	0.58	3.806	0.000
J7	JUNCTION	0.18	0.000	0.000
J70	JUNCTION	0.67	4.989	0.000
J78	JUNCTION	0.91	5.970	0.000
J79	JUNCTION	1.49	5.369	0.000
J83	JUNCTION	0.17	0.525	0.905
J84	JUNCTION	0.01	3.030	0.000
J86	JUNCTION	0.21	0.000	0.000
J9	JUNCTION	0.01	0.000	0.000
J91	JUNCTION	0.21	1.727	0.203
J73	STORAGE	0.17	1.312	1.638

****
Node Flooding Summary
****

Flooding refers to all water that overflows a node, whether it ponds or not.

Node	Hours Flooded	Maximum Rate CFS	Time of Max Occurrence days hr:min	Total Flood Volume 10^6 gal	Maximum Ponded Depth Feet
J126	0.01	9.72	0 02:58	0.000	0.000
J130	0.01	10.42	0 03:01	0.000	0.000
J187	0.01	1.00	0 03:04	0.000	0.000
J46	0.19	1.11	0 03:06	0.002	2.160
J47	0.21	1.07	0 03:06	0.002	2.178
J48	0.26	1.28	0 03:02	0.003	2.215
J51	0.19	23.48	0 03:10	0.074	0.000
J52	0.37	25.32	0 03:05	0.045	2.917
J54	0.16	1.93	0 03:03	0.002	1.341
J56	0.20	4.36	0 03:02	0.009	2.542
J69	0.01	32.71	0 02:53	0.001	0.175
J7	0.18	224.16	0 03:02	0.279	0.000
J70	0.66	37.08	0 02:53	0.012	4.238

J78	0.91	18.11	0	02:47	0.009	4.370
J79	1.11	6.89	0	03:41	0.008	4.419
J84	0.01	2.76	0	03:26	0.000	0.000
J86	0.21	81.98	0	03:09	0.312	0.000
J9	0.01	383.39	0	03:03	0.036	0.000

****
Storage Volume Summary
****

Storage Unit	Average Volume 1000 ft3	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 ft3	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CFS
J73	0.572	9	0	0	4.462	73	0 03:09	136.16
SU1	101.830	10	0	0	302.614	29	0 03:21	285.55
SU2	0.004	0	0	0	0.099	11	0 03:06	0.27

****
Outfall Loading Summary
****

Outfall Node	Flow Freq Pcnt	Avg Flow CFS	Max Flow CFS	Total Volume 10^6 gal
OF1	94.79	177.03	783.96	31.162
System	94.79	177.03	783.96	31.162

****
Link Flow Summary
****

Link	Type	Maximum |Flow| CFS	Time of Max Occurrence days hr:min	Maximum |Veloc| ft/sec	Max/ Full Flow	Max/ Full Depth
5	CONDUIT	0.00	0 00:00	0.00	0.00	0.00
C1	CHANNEL	783.96	0 03:28	15.00	0.11	0.30
C10	CHANNEL	465.87	0 03:13	13.63	0.71	0.72
C100	CONDUIT	20.06	0 03:06	5.73	0.51	0.67
C101	CHANNEL	20.01	0 03:06	1.61	0.02	0.36
C102	CONDUIT	20.06	0 03:06	7.17	0.37	0.56

C103	CONDUIT	20.08	0	03:06	19.47	0.49	0.57
C104	CONDUIT	0.06	0	03:09	0.10	0.00	0.26
C105	CONDUIT	0.00	0	00:00	0.00	0.00	0.05
C106	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C107	CHANNEL	252.59	0	03:16	9.33	0.31	0.65
C108	CONDUIT	42.21	0	03:06	19.28	0.65	0.79
C109	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C110	CONDUIT	0.20	0	02:58	0.22	0.01	0.50
C111	CONDUIT	83.42	0	02:58	42.42	3.33	1.00
C112	CONDUIT	45.83	0	02:58	21.14	0.70	0.82
C113	CONDUIT	94.13	0	03:13	>50.00	2.84	1.00
C114	CONDUIT	63.27	0	03:01	20.77	1.01	1.00
C115	CONDUIT	85.24	0	03:09	19.76	0.53	0.74
C116	CONDUIT	0.00	0	00:00	0.00	0.00	0.09
C116_2	CONDUIT	162.68	0	03:09	4.74	0.79	0.84
C117	CONDUIT	64.39	0	03:07	3.40	0.29	0.70
C118	CONDUIT	84.34	0	03:10	16.22	0.52	0.69
C119	CONDUIT	156.56	0	03:09	20.47	0.47	0.74
C12	CONDUIT	866.54	0	03:19	0.70	0.63	1.00
C120	CONDUIT	156.57	0	03:09	16.27	1.09	1.00
C121	CHANNEL	9.60	0	03:06	3.86	0.19	0.67
C122	CONDUIT	156.65	0	03:09	17.01	0.67	0.66
C122_1	CONDUIT	156.57	0	03:09	14.72	0.84	1.00
C122_2	CONDUIT	156.57	0	03:09	14.72	0.84	1.00
C123	CONDUIT	99.59	0	03:12	19.15	0.57	0.52
C124	CONDUIT	99.59	0	03:12	9.79	0.44	0.68
C125	CONDUIT	99.57	0	03:12	9.70	0.41	0.68
C126	CONDUIT	0.02	0	03:15	0.06	0.00	0.85
C127	CONDUIT	0.03	0	02:58	0.07	0.00	0.72
C127_1	CONDUIT	136.06	0	03:09	14.34	0.83	0.73
C127_2	CONDUIT	170.39	0	03:09	17.95	0.52	0.73
C128	CONDUIT	72.95	0	03:11	33.31	8.10	1.00
C128_1	CONDUIT	0.00	0	00:00	0.00	0.00	0.34
C128_2	CONDUIT	103.94	0	03:06	7.40	0.17	0.37
C128_3	CONDUIT	61.40	0	03:08	7.54	0.95	0.81
C128_4	CONDUIT	134.33	0	03:09	21.66	0.29	0.34
C128_5	CONDUIT	134.33	0	03:09	17.94	0.39	0.57
C128_7	CONDUIT	134.33	0	03:09	13.49	0.28	0.63
C129	CHANNEL	47.32	0	02:58	5.19	0.97	1.00
C13	CONDUIT	480.24	0	03:13	16.69	0.83	0.86
C130	CONDUIT	0.00	0	00:00	0.00	0.00	0.01
C130_1	CONDUIT	57.82	0	03:11	2.68	0.55	1.00
C131	CONDUIT	0.25	0	03:04	0.27	0.01	0.73
C132	CONDUIT	0.00	0	00:00	0.00	0.00	0.13
C132_1	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C133	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C134	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C135	CONDUIT	57.88	0	03:06	5.17	0.73	0.84
C136	CONDUIT	38.67	0	03:06	5.66	0.10	0.25
C137	CONDUIT	1.88	0	03:19	2.83	0.14	1.00
C138	CONDUIT	0.00	0	00:00	0.00	0.00	0.47
C139	CONDUIT	61.37	0	03:09	8.68	0.87	1.00
C14	CHANNEL	477.25	0	03:13	15.37	0.61	0.71
C140	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C141	CONDUIT	29.50	0	03:08	3.22	1.72	0.36
C142	CONDUIT	73.97	0	03:08	10.09	0.39	0.59
C143	CONDUIT	51.17	0	03:09	3.46	2.29	0.36

C144	CONDUIT	61.36	0	03:09	11.73	0.32	0.69
C145	CONDUIT	3.18	0	02:52	9.04	6.69	1.00
C146	CONDUIT	52.58	0	03:07	19.57	0.72	0.80
C147	CONDUIT	61.36	0	03:09	12.23	0.50	0.67
C148	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C149	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C15	CHANNEL	421.73	0	03:12	13.01	0.40	0.80
C150	CONDUIT	104.75	0	03:11	5.17	5.52	0.97
C151	CONDUIT	0.74	0	03:13	0.87	0.00	0.02
C152	CONDUIT	11.12	0	02:55	14.17	1.23	1.00
C153	CONDUIT	61.38	0	03:09	9.16	0.74	0.89
C154	CONDUIT	0.06	0	03:06	0.66	0.00	1.00
C155	CONDUIT	61.58	0	03:09	7.50	0.55	0.82
C156	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C157	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C158	CONDUIT	61.37	0	03:09	10.38	0.83	0.78
C159	CONDUIT	179.50	0	03:09	7.24	0.08	0.61
C16	CHANNEL	420.90	0	03:12	10.83	0.33	0.61
C160	CONDUIT	61.30	0	03:09	12.32	0.47	0.50
C160_3	CONDUIT	114.22	0	03:09	4.64	0.08	0.61
C161	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C162	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C163	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C164	CONDUIT	59.29	0	03:09	4.01	4.27	0.71
C165	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C166	CONDUIT	0.00	0	00:00	0.00	0.00	0.02
C167	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C168	CONDUIT	156.58	0	03:09	4.34	1.35	0.88
C169	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C169_2	CONDUIT	65.34	0	03:17	7.57	0.01	0.08
C169_3	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C169_4	CONDUIT	0.00	0	00:00	0.00	0.00	0.05
C17	CHANNEL	420.91	0	03:11	9.32	0.44	0.73
C170	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C170_4	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C170_6	CONDUIT	0.00	0	03:04	0.00	0.00	0.50
C171	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C172	CONDUIT	0.19	0	03:04	1.92	0.00	0.02
C173	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C174	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C175	CONDUIT	0.92	0	03:13	1.25	0.00	0.02
C176	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C177	CONDUIT	68.86	0	03:28	9.30	0.09	0.36
C178	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C179	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C18	CONDUIT	316.16	0	03:11	10.16	1.20	0.93
C180	CONDUIT	0.99	0	03:04	0.90	0.05	0.77
C181	CONDUIT	56.03	0	03:09	8.02	1.11	1.00
C182	CONDUIT	0.34	0	03:02	1.44	0.24	0.89
C183	CONDUIT	0.35	0	03:02	0.33	0.03	0.89
C184	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C185	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C186	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C187	CONDUIT	1.00	0	03:04	1.28	0.29	1.00
C188	CONDUIT	0.43	0	02:57	0.59	0.04	1.00
C19	CHANNEL	420.91	0	03:11	3.63	0.21	0.78
C2	CHANNEL	508.22	0	03:10	13.26	0.26	0.54

C20	CHANNEL	420.89	0	03:11	6.71	0.10	0.56
C21	CHANNEL	420.87	0	03:11	7.63	0.23	0.62
C22	CHANNEL	420.77	0	03:11	9.52	0.36	0.70
C23	CHANNEL	420.78	0	03:11	13.25	0.27	0.59
C24	CONDUIT	52.77	0	03:06	20.51	0.55	0.76
C25	CONDUIT	152.02	0	03:12	13.66	0.48	0.74
C26	CHANNEL	219.95	0	03:05	5.29	0.49	1.00
C27	CONDUIT	236.59	0	03:05	9.86	0.58	1.00
C28	CONDUIT	229.66	0	03:15	13.45	0.40	0.71
C29	CONDUIT	247.10	0	03:16	17.80	0.41	0.58
C29_1	CONDUIT	243.77	0	03:15	19.49	0.38	0.52
C29_2	CONDUIT	243.56	0	03:16	19.40	0.38	0.52
C3	CHANNEL	506.12	0	03:08	7.96	0.21	0.72
C3_1	CONDUIT	505.94	0	03:18	12.49	0.46	0.74
C3_2	CONDUIT	505.94	0	03:18	18.49	0.35	0.43
C30	CHANNEL	247.10	0	03:16	8.89	0.37	0.54
C31	CHANNEL	247.09	0	03:16	5.72	0.07	0.47
C32	CONDUIT	252.60	0	03:16	8.15	0.22	0.77
C33	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C33_1	CONDUIT	55.86	0	03:09	12.21	0.93	0.88
C33_2	CONDUIT	55.86	0	03:09	10.21	0.41	0.72
C34	CONDUIT	56.05	0	03:07	8.34	2.14	0.90
C35	CONDUIT	55.86	0	03:09	10.24	0.59	0.78
C36	CONDUIT	82.12	0	03:06	13.87	0.60	0.78
C37	CONDUIT	0.00	0	00:00	0.00	0.00	0.31
C37_1	CONDUIT	82.07	0	03:06	16.10	0.55	0.68
C37_2	CONDUIT	82.07	0	03:06	12.49	1.01	0.88
C38	CONDUIT	85.60	0	03:09	12.11	1.54	1.00
C39	CONDUIT	85.31	0	03:09	12.07	0.73	1.00
C4	CONDUIT	748.96	0	03:02	7.89	0.62	1.00
C4_1	CHANNEL	528.22	0	03:01	18.30	0.69	0.63
C4_2	CHANNEL	506.40	0	03:08	15.45	0.16	0.40
C40	CONDUIT	85.25	0	03:09	14.79	0.78	0.76
C41	CONDUIT	119.93	0	03:04	17.86	0.82	0.95
C42	CONDUIT	102.36	0	03:05	15.22	0.71	1.00
C43	CONDUIT	1.71	0	03:11	1.26	0.08	1.00
C44	CONDUIT	62.78	0	03:07	16.11	0.72	0.79
C45	CONDUIT	94.83	0	03:06	18.99	0.49	0.72
C46	CONDUIT	123.62	0	03:09	18.24	0.33	0.43
C46_1	CONDUIT	35.12	0	03:06	5.52	0.57	0.92
C46_2	CHANNEL	1.74	0	03:06	3.61	0.03	0.36
C47	CONDUIT	93.02	0	03:06	16.38	0.66	0.71
C48	CONDUIT	92.99	0	03:07	16.75	0.64	0.77
C49	CONDUIT	98.13	0	02:59	15.36	1.04	1.00
C5	CHANNEL	1078.67	0	03:03	13.33	0.21	1.00
C50	CONDUIT	120.93	0	03:07	19.19	0.94	0.92
C51	CHANNEL	120.86	0	03:07	7.06	0.58	0.93
C52	CONDUIT	111.31	0	03:08	9.88	1.04	0.93
C53	CONDUIT	99.55	0	02:53	15.55	0.55	1.00
C53_1	CHANNEL	140.80	0	03:08	8.45	0.39	0.83
C53_2	CHANNEL	140.78	0	03:08	9.24	0.88	1.00
C54	CONDUIT	99.57	0	02:53	15.58	1.91	1.00
C55	CONDUIT	89.10	0	02:53	13.92	0.96	1.00
C56	CONDUIT	66.74	0	03:08	14.00	1.11	0.65
C57	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C58	CONDUIT	0.22	0	03:06	0.31	0.02	0.81
C59	CONDUIT	0.04	0	03:09	0.07	0.00	0.52

C6	CHANNEL	302.37	0	03:20	10.93	0.31	0.77
C60	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
C61_1	CONDUIT	46.08	0	03:40	9.39	1.28	1.00
C61_2	CONDUIT	68.37	0	02:47	13.93	0.98	1.00
C63	CONDUIT	61.40	0	03:08	12.51	1.31	1.00
C64	CONDUIT	42.57	0	02:56	19.44	1.74	1.00
C65	CONDUIT	25.31	0	03:09	13.18	0.74	0.82
C66	CONDUIT	25.31	0	03:09	14.81	0.62	1.00
C67	CHANNEL	159.06	0	03:02	8.98	0.64	0.92
C68	CHANNEL	170.90	0	03:21	8.38	0.31	1.00
C69	CHANNEL	225.03	0	03:05	12.99	0.15	0.66
C7	CHANNEL	305.04	0	03:09	7.08	0.14	0.72
C70	CHANNEL	225.02	0	03:05	17.80	0.12	0.51
C71	CHANNEL	224.99	0	03:05	11.75	0.31	0.75
C72_1	CONDUIT	222.57	0	03:09	12.31	0.41	0.75
C73	CONDUIT	2.61	0	03:06	4.74	0.28	0.38
C73_2	CONDUIT	225.17	0	03:09	12.45	0.51	0.75
C75	CHANNEL	290.10	0	03:07	15.22	0.80	0.94
C77	CONDUIT	406.74	0	03:17	16.95	0.57	1.00
C78	CHANNEL	319.32	0	03:17	16.08	0.83	0.95
C79	CONDUIT	322.31	0	03:07	13.20	0.41	0.74
C8	CONDUIT	419.97	0	03:12	11.48	1.79	0.83
C80	CHANNEL	285.55	0	03:21	15.32	0.37	0.57
C80_2	CHANNEL	199.96	0	03:10	8.98	0.13	0.43
C80_3	CONDUIT	140.71	0	03:08	15.74	0.06	0.24
C80_4	CONDUIT	200.69	0	03:09	12.35	0.09	0.40
C81	CONDUIT	321.04	0	03:07	13.50	0.24	0.60
C82	CONDUIT	2.61	0	03:06	5.96	0.60	0.55
C82_1	CONDUIT	285.69	0	03:01	8.66	0.38	1.00
C82_2	CONDUIT	295.81	0	03:07	8.96	0.53	1.00
C83	CONDUIT	2.61	0	03:06	4.29	0.18	0.62
C85	CONDUIT	21.41	0	03:06	8.26	0.10	0.25
C85_1	CONDUIT	1.42	0	03:09	1.18	0.00	0.01
C86	CONDUIT	104.37	0	03:06	15.90	0.38	0.62
C87	CONDUIT	0.05	0	02:47	0.12	0.01	0.76
C88	CONDUIT	14.11	0	03:15	4.06	0.05	0.17
C89	CONDUIT	0.65	0	03:03	1.78	2.08	0.87
C9	CHANNEL	477.91	0	03:13	14.27	0.26	0.71
C90	CONDUIT	0.96	0	03:03	1.20	0.07	0.94
C91	CONDUIT	170.28	0	03:09	10.31	0.74	0.99
C92	CHANNEL	8.65	0	03:07	3.15	0.19	0.68
C93	CONDUIT	1.74	0	03:07	0.65	0.02	0.43
C94	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C95	CONDUIT	100.00	0	03:06	18.25	0.61	0.76
C96	CONDUIT	121.41	0	03:06	22.16	0.60	0.76
C97	CHANNEL	0.00	0	00:00	0.00	0.00	0.29
C97_1	CHANNEL	81.81	0	03:06	2.18	0.10	0.44
C97_2	CHANNEL	193.47	0	03:09	4.77	0.24	0.45
C98	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C99	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
C11	WEIR	715.09	0	03:28			1.00
C84	WEIR	2.61	0	03:06			0.07

****
Flow Classification Summary
****

Conduit	Adjusted /Actual Length	Fraction of Time in Flow Class: Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
5	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1	1.00	0.04	0.00	0.00	0.01	0.94	0.00	0.00	0.05	0.00
C10	1.00	0.01	0.00	0.00	0.15	0.84	0.00	0.00	0.00	0.00
C100	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
C101	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.94	0.00
C102	1.00	0.01	0.00	0.00	0.00	0.76	0.00	0.24	0.46	0.00
C103	1.00	0.01	0.00	0.00	0.00	0.28	0.00	0.71	0.15	0.00
C104	1.00	0.83	0.06	0.00	0.11	0.00	0.00	0.00	0.72	0.00
C105	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C106	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C107	1.00	0.00	0.00	0.00	0.78	0.21	0.00	0.00	0.95	0.00
C108	1.00	0.01	0.00	0.00	0.00	0.71	0.00	0.28	0.41	0.00
C109	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C110	1.00	0.31	0.67	0.00	0.02	0.00	0.00	0.00	0.75	0.00
C111	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
C112	1.00	0.01	0.00	0.00	0.00	0.71	0.00	0.28	0.40	0.00
C113	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
C114	1.00	0.01	0.17	0.00	0.13	0.69	0.00	0.00	0.93	0.00
C115	1.00	0.03	0.00	0.00	0.18	0.79	0.00	0.00	0.91	0.00
C116	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C116_2	1.00	0.86	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00
C117	1.00	0.96	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
C118	1.00	0.03	0.00	0.00	0.16	0.81	0.00	0.00	0.02	0.00
C119	1.00	0.03	0.05	0.00	0.13	0.80	0.00	0.00	0.92	0.00
C12	1.00	0.02	0.02	0.00	0.96	0.00	0.00	0.00	0.00	0.

C120	1.00	0.03	0.00	0.00	0.05	0.01	0.00	0.92	0.00
0.00									
C121	1.00	0.24	0.63	0.00	0.02	0.12	0.00	0.00	0.74
0.00									
C122	1.00	0.03	0.00	0.00	0.21	0.76	0.00	0.00	0.12
0.00									
C122_1	1.00	0.04	0.01	0.00	0.20	0.75	0.00	0.00	0.53
0.00									
C122_2	1.00	0.03	0.08	0.00	0.18	0.71	0.00	0.00	0.51
0.00									
C123	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	0.00
0.00									
C124	1.00	0.03	0.00	0.00	0.00	0.22	0.00	0.75	0.05
0.00									
C125	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	0.00
0.00									
C126	1.00	0.13	0.25	0.00	0.63	0.00	0.00	0.00	0.50
0.00									
C127	1.00	0.13	0.78	0.00	0.09	0.00	0.00	0.00	0.72
0.00									
C127_1	1.00	0.04	0.00	0.00	0.16	0.80	0.00	0.00	0.01
0.00									
C127_2	1.00	0.10	0.02	0.00	0.05	0.82	0.00	0.00	0.84
0.00									
C128	1.00	0.04	0.00	0.00	0.77	0.19	0.00	0.00	0.01
0.00									
C128_1	1.00	0.33	0.67	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C128_2	1.00	0.33	0.00	0.00	0.03	0.01	0.00	0.63	0.02
0.00									
C128_3	1.00	0.04	0.01	0.00	0.31	0.65	0.00	0.00	0.11
0.00									
C128_4	1.00	0.04	0.00	0.00	0.00	0.96	0.00	0.00	0.50
0.00									
C128_5	1.00	0.04	0.00	0.00	0.00	0.96	0.00	0.00	0.28
0.00									
C128_7	1.00	0.03	0.01	0.00	0.21	0.75	0.00	0.00	0.91
0.00									
C129	1.00	0.01	0.02	0.00	0.75	0.22	0.00	0.00	0.81
0.00									
C13	1.00	0.01	0.00	0.00	0.21	0.78	0.00	0.00	0.94
0.00									
C130	1.00	0.94	0.06	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C130_1	1.00	0.93	0.02	0.00	0.05	0.00	0.00	0.00	0.73
0.00									
C131	1.00	0.94	0.03	0.00	0.04	0.00	0.00	0.00	0.74
0.00									
C132	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C132_1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C133	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C134	1.00	0.90	0.10	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C135	1.00	0.14	0.00	0.00	0.00	0.00	0.00	0.86	0.00
0.00									
C136	1.00	0.93	0.00	0.00	0.00	0.00	0.00	0.07	0.00
0.00									

C137	1.00	0.29	0.00	0.00	0.05	0.00	0.00	0.66	0.00
0.00									
C138	1.00	0.96	0.04	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C139	1.00	0.05	0.00	0.00	0.28	0.66	0.00	0.00	0.81
0.00									
C14	1.00	0.02	0.00	0.00	0.34	0.64	0.00	0.00	0.71
0.00									
C140	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C141	1.00	0.96	0.00	0.00	0.00	0.00	0.00	0.04	0.00
0.00									
C142	1.00	0.90	0.03	0.00	0.00	0.00	0.00	0.07	0.72
0.00									
C143	1.00	0.73	0.00	0.00	0.00	0.00	0.00	0.27	0.00
0.00									
C144	1.00	0.05	0.00	0.00	0.04	0.90	0.00	0.00	0.89
0.00									
C145	1.00	0.05	0.00	0.00	0.16	0.80	0.00	0.00	0.00
0.00									
C146	1.00	0.02	0.00	0.00	0.13	0.85	0.00	0.00	0.01
0.00									
C147	1.00	0.05	0.00	0.00	0.18	0.76	0.00	0.00	0.83
0.00									
C148	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C149	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C15	1.00	0.02	0.00	0.00	0.01	0.97	0.00	0.00	0.42
0.00									
C150	1.00	0.92	0.00	0.00	0.00	0.00	0.00	0.08	0.00
0.00									
C151	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00									
C152	1.00	0.04	0.00	0.00	0.18	0.79	0.00	0.00	0.00
0.00									
C153	1.00	0.04	0.02	0.00	0.90	0.03	0.00	0.00	0.89
0.00									
C154	1.00	0.03	0.05	0.00	0.91	0.00	0.00	0.00	0.20
0.00									
C155	1.00	0.03	0.12	0.00	0.84	0.01	0.00	0.00	0.90
0.00									
C156	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C157	1.00	0.04	0.96	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C158	1.00	0.05	0.00	0.00	0.04	0.90	0.00	0.00	0.00
0.00									
C159	1.00	0.04	0.88	0.00	0.04	0.04	0.00	0.00	0.75
0.00									
C16	1.00	0.02	0.00	0.00	0.06	0.93	0.00	0.00	0.00
0.00									
C160	1.00	0.02	0.03	0.00	0.05	0.89	0.00	0.00	0.04
0.00									
C160_3	1.00	0.88	0.06	0.00	0.05	0.01	0.00	0.00	0.75
0.00									
C161	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C162	1.00	0.22	0.78	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

C163	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C164	1.00	0.36	0.00	0.00	0.00	0.00	0.00	0.64	0.00
0.00									
C165	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C166	1.00	0.96	0.04	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C167	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C168	1.00	0.88	0.00	0.00	0.03	0.00	0.00	0.08	0.00
0.00									
C169	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C169_2	1.00	0.98	0.00	0.00	0.00	0.00	0.00	0.02	0.00
0.00									
C169_3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C169_4	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C17	1.00	0.02	0.00	0.00	0.94	0.05	0.00	0.00	0.94
0.00									
C170	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C170_4	1.00	0.30	0.70	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C170_6	1.00	0.29	0.01	0.00	0.06	0.00	0.00	0.64	0.03
0.00									
C171	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C172	1.00	0.30	0.70	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C173	1.00	0.02	0.98	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C174	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C175	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.01	0.00
0.00									
C176	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C177	1.00	0.88	0.00	0.00	0.00	0.00	0.00	0.12	0.00
0.00									
C178	1.00	0.03	0.97	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C179	1.00	0.03	0.97	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C18	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00
0.84									
C180	1.00	0.87	0.08	0.00	0.05	0.00	0.00	0.00	0.74
0.00									
C181	1.00	0.02	0.01	0.00	0.04	0.01	0.00	0.92	0.00
0.00									
C182	1.00	0.25	0.02	0.00	0.08	0.00	0.00	0.64	0.02
0.00									
C183	1.00	0.06	0.17	0.00	0.52	0.00	0.00	0.24	0.20
0.00									
C184	1.00	0.01	0.99	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C185	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

C186	1.00	0.01	0.99	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C187	1.00	0.03	0.01	0.00	0.96	0.00	0.00	0.00	0.48
0.00									
C188	1.00	0.27	0.59	0.00	0.13	0.00	0.01	0.00	0.71
0.00									
C19	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.00
0.00									
C2	1.00	0.02	0.04	0.00	0.35	0.58	0.00	0.00	0.42
0.00									
C20	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.72
0.00									
C21	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.90
0.00									
C22	1.00	0.01	0.00	0.00	0.95	0.05	0.00	0.00	0.95
0.00									
C23	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.02
0.00									
C24	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
C25	1.00	0.01	0.00	0.00	0.26	0.73	0.00	0.00	0.95
0.00									
C26	1.00	0.01	0.00	0.00	0.34	0.21	0.00	0.44	0.26
0.00									
C27	1.00	0.01	0.00	0.00	0.36	0.22	0.00	0.40	0.00
0.21									
C28	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
C29	1.00	0.00	0.00	0.00	0.27	0.73	0.00	0.00	0.98
0.00									
C29_1	1.00	0.01	0.00	0.00	0.01	0.98	0.00	0.00	0.55
0.00									
C29_2	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
C3	1.00	0.06	0.00	0.00	0.64	0.31	0.00	0.00	0.48
0.00									
C3_1	1.00	0.06	0.00	0.00	0.88	0.06	0.00	0.00	0.00
0.88									
C3_2	1.00	0.06	0.00	0.00	0.22	0.72	0.00	0.00	0.88
0.00									
C30	1.00	0.00	0.00	0.00	0.05	0.95	0.00	0.00	0.00
0.00									
C31	1.00	0.00	0.00	0.00	0.84	0.16	0.00	0.00	0.55
0.00									
C32	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.98									
C33	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C33_1	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00
0.00									
C33_2	1.00	0.02	0.18	0.00	0.06	0.73	0.00	0.01	0.92
0.00									
C34	1.00	0.03	0.00	0.00	0.21	0.00	0.00	0.76	0.45
0.00									
C35	1.00	0.03	0.00	0.00	0.00	0.68	0.00	0.28	0.37
0.00									
C36	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
C37	1.00	0.93	0.07	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

C37_1	1.00	0.01	0.00	0.00	0.16	0.84	0.00	0.00	0.57
0.00									
C37_2	1.00	0.01	0.12	0.00	0.56	0.31	0.00	0.00	0.96
0.00									
C38	1.00	0.03	0.00	0.00	0.25	0.72	0.00	0.00	0.00
0.00									
C39	1.00	0.03	0.00	0.00	0.24	0.73	0.00	0.00	0.89
0.00									
C4	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.01
0.00									
C4_1	1.00	0.05	0.00	0.00	0.00	0.95	0.00	0.00	0.00
0.00									
C4_2	1.00	0.05	0.00	0.00	0.00	0.94	0.00	0.00	0.53
0.00									
C40	1.00	0.03	0.00	0.00	0.17	0.80	0.00	0.00	0.45
0.00									
C41	1.00	0.03	0.00	0.00	0.00	0.05	0.00	0.93	0.02
0.00									
C42	1.00	0.03	0.00	0.00	0.04	0.65	0.00	0.28	0.34
0.00									
C43	1.00	0.31	0.62	0.00	0.06	0.00	0.00	0.00	0.73
0.00									
C44	1.00	0.04	0.00	0.00	0.00	0.00	0.00	0.96	0.00
0.00									
C45	1.00	0.01	0.00	0.00	0.00	0.11	0.00	0.87	0.05
0.00									
C46	1.00	0.07	0.09	0.00	0.03	0.81	0.00	0.00	0.72
0.00									
C46_1	1.00	0.02	0.12	0.00	0.83	0.03	0.00	0.00	0.91
0.00									
C46_2	1.00	0.93	0.00	0.00	0.00	0.00	0.00	0.07	0.00
0.00									
C47	1.00	0.14	0.04	0.00	0.05	0.78	0.00	0.00	0.48
0.00									
C48	1.00	0.02	0.00	0.00	0.00	0.15	0.00	0.83	0.07
0.00									
C49	1.00	0.01	0.00	0.00	0.04	0.00	0.00	0.95	0.00
0.00									
C5	1.00	0.05	0.00	0.00	0.95	0.01	0.00	0.00	0.74
0.00									
C50	1.00	0.01	0.13	0.00	0.08	0.77	0.00	0.00	0.91
0.00									
C51	1.00	0.01	0.00	0.00	0.75	0.23	0.00	0.00	0.42
0.00									
C52	1.00	0.02	0.06	0.00	0.92	0.00	0.00	0.00	0.00
0.85									
C53	1.00	0.02	0.00	0.00	0.35	0.25	0.00	0.37	0.00
0.88									
C53_1	1.00	0.02	0.00	0.00	0.10	0.88	0.00	0.00	0.46
0.00									
C53_2	1.00	0.02	0.00	0.00	0.63	0.35	0.00	0.00	0.36
0.00									
C54	1.00	0.02	0.00	0.00	0.27	0.70	0.00	0.00	0.10
0.00									
C55	1.00	0.02	0.00	0.00	0.09	0.58	0.00	0.31	0.32
0.00									
C56	1.00	0.02	0.00	0.00	0.16	0.82	0.00	0.00	0.02
0.00									
C57	1.00	0.32	0.68	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

C58	1.00	0.92	0.03	0.00	0.05	0.00	0.00	0.00	0.73
0.00									
C59	1.00	0.93	0.04	0.00	0.03	0.00	0.00	0.00	0.74
0.00									
C6	1.00	0.05	0.02	0.00	0.22	0.72	0.00	0.00	0.37
0.00									
C60	1.00	0.94	0.06	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C61_1	1.00	0.04	0.00	0.00	0.74	0.00	0.00	0.22	0.00
0.34									
C61_2	1.00	0.03	0.00	0.00	0.56	0.04	0.00	0.36	0.00
0.49									
C63	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	0.00
0.00									
C64	1.00	0.04	0.17	0.00	0.18	0.59	0.00	0.02	0.83
0.00									
C65	1.00	0.03	0.00	0.00	0.00	0.01	0.00	0.96	0.01
0.00									
C66	1.00	0.04	0.00	0.00	0.02	0.09	0.00	0.85	0.05
0.00									
C67	1.00	0.03	0.00	0.00	0.33	0.64	0.00	0.00	0.48
0.00									
C68	1.00	0.04	0.00	0.00	0.42	0.54	0.00	0.00	0.87
0.00									
C69	1.00	0.04	0.00	0.00	0.00	0.95	0.00	0.00	0.49
0.00									
C7	1.00	0.04	0.00	0.00	0.55	0.42	0.00	0.00	0.87
0.00									
C70	1.00	0.05	0.00	0.00	0.00	0.95	0.00	0.00	0.39
0.00									
C71	1.00	0.05	0.00	0.00	0.00	0.95	0.00	0.00	0.37
0.00									
C72_1	1.00	0.03	0.01	0.00	0.31	0.64	0.00	0.00	0.00
0.90									
C73	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	0.00
0.00									
C73_2	1.00	0.01	0.02	0.00	0.26	0.70	0.00	0.00	0.92
0.00									
C75	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.38
0.00									
C77	1.00	0.02	0.00	0.00	0.98	0.01	0.00	0.00	0.00
0.92									
C78	1.00	0.02	0.00	0.00	0.00	0.98	0.00	0.00	0.12
0.00									
C79	1.00	0.02	0.00	0.00	0.14	0.83	0.00	0.00	0.59
0.00									
C8	1.00	0.01	0.01	0.00	0.95	0.03	0.00	0.00	0.00
0.40									
C80	1.00	0.03	0.00	0.00	0.07	0.90	0.00	0.00	0.06
0.00									
C80_2	1.00	0.03	0.00	0.00	0.01	0.97	0.00	0.00	0.35
0.00									
C80_3	1.00	0.02	0.02	0.00	0.19	0.76	0.00	0.00	0.87
0.00									
C80_4	1.00	0.02	0.00	0.00	0.49	0.48	0.00	0.00	0.91
0.00									
C81	1.00	0.02	0.00	0.00	0.62	0.35	0.00	0.00	0.81
0.00									
C82	1.00	0.03	0.00	0.00	0.20	0.77	0.00	0.00	0.00
0.00									

C82_1	1.00	0.02	0.00	0.00	0.39	0.59	0.00	0.00	0.00
0.91									
C82_2	1.00	0.02	0.00	0.00	0.15	0.83	0.00	0.00	0.28
0.00									
C83	1.00	0.03	0.19	0.00	0.55	0.23	0.00	0.00	0.88
0.00									
C85	1.00	0.97	0.00	0.00	0.00	0.00	0.00	0.03	0.00
0.00									
C85_1	1.00	0.96	0.00	0.00	0.00	0.00	0.00	0.04	0.00
0.00									
C86	1.00	0.33	0.57	0.00	0.00	0.09	0.00	0.01	0.76
0.00									
C87	1.00	0.04	0.30	0.00	0.66	0.00	0.00	0.00	0.49
0.00									
C88	1.00	0.98	0.00	0.00	0.00	0.00	0.00	0.02	0.00
0.00									
C89	1.00	0.29	0.00	0.00	0.71	0.00	0.00	0.00	0.00
0.00									
C9	1.00	0.01	0.00	0.00	0.17	0.82	0.00	0.00	0.94
0.00									
C90	1.00	0.29	0.01	0.00	0.05	0.00	0.00	0.65	0.01
0.00									
C91	1.00	0.04	0.06	0.00	0.90	0.00	0.00	0.00	0.88
0.00									
C92	1.00	0.24	0.00	0.00	0.00	0.00	0.00	0.76	0.00
0.00									
C93	1.00	0.02	0.91	0.00	0.08	0.00	0.00	0.00	0.76
0.00									
C94	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C95	1.00	0.01	0.00	0.00	0.13	0.85	0.00	0.00	0.03
0.00									
C96	1.00	0.01	0.00	0.00	0.00	0.61	0.00	0.38	0.33
0.00									
C97	1.00	0.01	0.99	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C97_1	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.94
0.00									
C97_2	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.27
0.00									
C98	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C99	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

****
Conduit Surcharge Summary
****

Conduit	Hours Full: Both Ends	Hours Full: Upstream	Hours Full: Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
C108	0.01	0.01	0.25	0.01	0.01
C110	0.01	0.01	9.02	0.01	0.01
C111	0.17	0.28	0.18	0.33	0.17
C112	0.01	0.01	0.18	0.01	0.01

C113	0.18	0.20	0.20	0.23	0.18
C114	0.01	0.01	0.61	0.01	0.01
C115	0.01	0.01	0.01	0.01	0.01
C118	0.01	0.51	0.01	0.01	0.01
C119	0.01	0.01	0.49	0.01	0.01
C12	0.69	0.69	0.70	0.01	0.01
C120	0.26	0.49	0.26	0.13	0.26
C122_1	0.33	0.33	0.43	0.01	0.26
C122_2	0.34	0.43	0.34	0.01	0.34
C127	0.01	0.01	0.34	0.01	0.01
C127_1	0.01	0.19	0.01	0.01	0.01
C127_2	0.01	0.01	0.19	0.01	0.01
C128	0.60	0.72	0.60	0.80	0.60
C129	0.58	0.58	2.60	0.01	0.01
C13	0.01	0.01	0.33	0.01	0.01
C130_1	0.01	0.01	0.26	0.01	0.01
C131	0.01	0.01	0.10	0.01	0.01
C137	0.19	0.19	0.31	0.01	0.01
C139	0.20	0.23	0.20	0.01	0.20
C141	0.01	0.01	0.01	0.13	0.01
C143	0.01	0.01	0.01	0.40	0.01
C144	0.01	0.01	0.23	0.01	0.01
C145	0.67	4.93	0.67	5.02	0.67
C146	0.01	0.50	0.01	0.01	0.01
C15	0.01	0.01	0.53	0.01	0.01
C150	0.01	0.12	0.01	0.42	0.01
C152	0.56	3.22	0.56	0.82	0.56
C153	0.01	0.01	0.88	0.01	0.01
C154	0.12	0.12	0.20	0.01	0.01
C155	0.01	0.01	2.03	0.01	0.01
C158	0.01	0.20	0.01	0.01	0.01
C159	0.01	0.01	9.06	0.01	0.01
C164	0.01	0.01	0.01	0.76	0.01
C168	0.01	0.01	0.01	0.19	0.01
C170_6	0.01	0.01	0.36	0.01	0.01
C18	0.01	0.67	0.01	0.54	0.01
C180	0.01	0.01	0.12	0.01	0.01
C181	0.10	0.10	0.10	0.12	0.09
C182	0.01	0.01	0.14	0.01	0.01
C183	0.01	0.01	0.09	0.01	0.01
C187	0.77	0.77	0.85	0.01	0.01
C188	0.21	0.21	0.60	0.01	0.01
C24	0.01	0.70	0.01	0.01	0.01
C25	0.01	0.01	0.35	0.01	0.01
C26	0.20	0.20	0.60	0.01	0.01
C27	0.45	0.54	0.45	0.01	0.42
C28	0.01	0.48	0.01	0.01	0.01
C3	0.01	0.01	0.63	0.01	0.01
C3_1	0.01	0.52	0.01	0.01	0.01
C32	0.01	0.35	0.01	0.01	0.01
C33_1	0.01	0.07	0.01	0.01	0.01
C33_2	0.01	0.01	0.06	0.01	0.01
C34	0.01	0.06	0.01	0.45	0.01
C35	0.01	0.01	0.09	0.01	0.01
C36	0.01	0.11	0.01	0.01	0.01
C37_2	0.01	0.01	0.01	0.03	0.01
C38	0.33	0.34	0.33	0.30	0.33

C39	0.33	0.33	0.36	0.01	0.25
C4	0.01	0.01	0.18	0.01	0.01
C4_1	0.01	0.32	0.01	0.01	0.01
C40	0.01	0.36	0.01	0.01	0.01
C41	0.01	0.01	0.23	0.01	0.01
C42	0.24	0.24	0.50	0.01	0.01
C43	0.10	0.10	0.21	0.01	0.01
C44	0.01	0.18	0.01	0.01	0.01
C45	0.01	0.01	0.20	0.01	0.01
C46_1	0.01	0.01	0.91	0.01	0.01
C47	0.01	0.22	0.01	0.01	0.01
C48	0.01	0.01	0.30	0.01	0.01
C49	0.24	0.56	0.24	0.01	0.24
C5	0.01	0.01	0.68	0.01	0.01
C50	0.01	0.24	0.01	0.01	0.01
C51	0.01	0.01	0.74	0.01	0.01
C52	0.01	0.49	0.01	0.15	0.01
C53	0.58	0.86	0.58	0.01	0.01
C53_1	0.01	0.01	0.04	0.01	0.01
C53_2	0.21	0.21	0.70	0.01	0.01
C54	0.57	0.61	0.58	0.58	0.57
C55	0.58	0.58	0.67	0.01	0.01
C56	0.01	0.68	0.01	0.47	0.01
C58	0.01	0.01	0.16	0.01	0.01
C59	0.01	0.01	0.10	0.01	0.01
C6	0.01	0.01	0.67	0.01	0.01
C61_1	1.29	1.29	1.49	0.50	0.56
C61_2	0.91	1.58	0.91	0.01	0.01
C63	0.11	0.92	0.11	0.91	0.11
C64	0.66	0.66	0.72	0.21	0.20
C65	0.01	0.17	0.01	0.01	0.01
C66	0.02	0.02	0.64	0.01	0.01
C67	0.01	0.01	0.29	0.01	0.01
C68	0.21	0.21	0.32	0.01	0.01
C69	0.01	0.33	0.01	0.01	0.01
C7	0.01	0.01	0.67	0.01	0.01
C71	0.01	0.01	0.32	0.01	0.01
C72_1	0.01	0.56	0.01	0.01	0.01
C73_2	0.01	0.01	0.33	0.01	0.01
C75	0.01	0.01	0.27	0.01	0.01
C77	0.29	0.77	0.29	0.01	0.04
C78	0.01	0.01	0.21	0.01	0.01
C79	0.01	0.40	0.01	0.01	0.01
C8	0.01	0.56	0.01	0.60	0.01
C82	0.01	0.80	0.01	0.01	0.01
C82_1	0.35	0.46	0.36	0.01	0.01
C82_2	0.36	0.36	0.40	0.01	0.15
C83	0.01	0.01	0.56	0.01	0.01
C89	0.01	0.01	0.01	0.01	0.01
C90	0.01	0.01	0.31	0.01	0.01
C91	0.01	0.01	0.96	0.01	0.01
C95	0.01	0.31	0.01	0.01	0.01
C96	0.01	0.01	0.53	0.01	0.01

Analysis begun on: Tue Sep 6 16:19:39 2022
Analysis ended on: Tue Sep 6 16:19:49 2022

```
Total elapsed time: 00:00:10
```