Evolugen

South March BESS

Ottawa, ON

Technical Report

Stormwater Management Report and Water Budget Assessment

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FOR PERMIT

10 Carlson Court
Suite 420
Toronto, ON M9W 6L2
T +1 416.585.2115 **F** +1 516.585.9683
BBAconsultants.com
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Prepared by:
Bryan Thomas

LICENSED PROFESSIONAL ENGINEER
V. BRUNELLE
100617887
PROVINCE OF ONTARIO
2025-11-06

Verified by:
Vincent Brunelle, P.Eng.
PEO. No. 100617887

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1. Introduction

The South March Battery Energy Storage System (BESS) project is defined to meet Ontario's growing electricity expenditure and demand by constructing an energy storage facility. The facility will increase renewable grid capacity and storage in addition to providing a low-carbon initiative to avoid greenhouse gas emissions by reducing reliance on higher carbon-intensive facilities.

The South March BESS project is a proposed installation of 250 MW Battery Energy Storage System. The project site is located on 2555 & 2625 Marchurst Road, Ottawa, Ontario and within the Mississippi Valley Conservation Authority. The location is shown in Figure 1 indicated by the red pin.

Figure 1: Site location (source: GeoOttawa)

This report has been prepared to summarize the stormwater management plan (SWMP) and water budget assessment for this development and discusses the following:

- Site information;

- The design criteria applied in the development of the stormwater management plan of the BESS project in accordance with applicable standards and guidelines;
- The modelling approach employed to evaluate the stormwater management controls;
- Spill prevention and response;
- Water budget assessment;
- Erosion and sediment control; and
- maintenance and monitoring.

1.1. Abbreviations and acronyms

The table below lists all abbreviations and acronyms used in this document along with their definition.

Table 1: Abbreviations and acronyms

Abbreviation or acronym	Definition
BESS	Battery Energy Storage System
Dstorm	Design Storm Wizard
EPA	Environmental Protection Agency
ESC	Erosion and Sediment Control
IDF	Intensity Duration Frequency
MECP	Ministry of the Environment, Conservation and Parks (formerly Ministry of Environment (MOE))
MTO	Ministry of Transportation
MVCA	Mississippi Valley Conservation Authority
SCS CN	Soil Conservation Service Curve Number
SWMM	Stormwater Management Model
SWMP	Stormwater Management Plan
WBA	Water Budget Assessment
TSS	Total Suspended Solids
US EPA	United States Environmental Protection Agency
USDA	United States Department of Agriculture

1.2. Units and symbols

All units of measurement must be in accordance with the International System of Units (SI). If exceptions need to be made, SI shall be used as the primary dimensions, with the corresponding conversion to the other system of units in brackets.

All units used in this document are listed in the following table:

Table 2: Units and symbols

Unit / Symbol	Description
m	Metre
cm	Centimetre
mm	Millimetre
m^3	Cubic metres
s	Seconds
ha	Hectares
min	Minutes
hr	Hour
yr	Year
mbgs	Metres below ground surface
masl	Metres above sea level
MW	Megawatt
MWh	Megawatt-hour

1.3. Codes, standards, regulations, and guidelines

Unless otherwise specified, the design will be based on applicable sections of the following codes, standards, regulations, guidelines, and other reference documents.

Table 3: Codes, standards, regulations, and guidelines

Document code/Author	Document title
City of Ottawa	Official Plan (November 2022)
City of Ottawa	Ottawa Sewer Design Guidelines, SDG002 (October 2012)
City of Ottawa	Sewer Use Bylaw (Bylaw No. 2003-514) (January 2004)
City of Ottawa	Technical Bulletin ISDTB-2014-01, Revisions to Ottawa Design Guidelines – Sewer (February 2014)
City of Ottawa	Technical Bulletin PIEDTB-2016-01, Revisions to Ottawa Design Guidelines – Sewer (September 2016)
City of Ottawa	Technical Bulletin ISDTB-2018-01, Revisions to Ottawa Design Guidelines – Sewer (March 2018)
City of Ottawa	Technical Bulletin ISDTB-2018-04, Revisions to Ottawa Design Guidelines – Sewer (June 2018)
City of Ottawa	Technical Bulletin ISDTB-2019-02, Revisions to Ottawa Design Guidelines – Sewer (July 2019)
City of Ottawa	Technical Bulletin IWSTB-2024-04, Revisions to Ottawa Design Guidelines – Sewer (April 2024)
City of Ottawa	City of Ottawa Water Budget Assessment guidelines
IEEE 980	Guide for Containment and Control of Oil Spills in Substations
MVC	Mississippi Valley Conservation
Mississippi Valley Conservation Authority (MVCA)	MVCA Regulation Policies (April 2024)
The Mississippi-Rideau Source Protection Region	Mississippi Valley Source Protection Area Assessment report, Chapter 3 water budget, August 2022.
MNR	Ontario Ministry of Natural Resources
Ontario MOE	Design Guidelines for Sewage Works (2008)
Ontario MOE	Stormwater Management Planning and Design Manual (March 2003)
Ontario MTO	MTO Drainage Management Manual (1997)
Province of Ontario	Conservation Authorities Act – Ontario Regulation 41/24
Environment Canada 2005	Environment Canada 2005
US Department of the Interior (H.J. Tracy)	Discharge Characteristics of Broad-Crested Weirs (1957)
US EPA (Lewis A. Rossman)	Storm Water Management Model User's Manual Version 5.1 (September 2015)
USDA	Urban Hydrology for Small Watersheds TR-55 (June 1986)
Ontario Technical Guide to Renewable Energy Approval (REA) under O. Reg. 359/09 of the Environmental Protection Act	

1.4. Reference documents

The reference documents are summarized in Table 4.

Table 4: Reference documents

Document code/Author	Document title
Tulloch	Topographic Plan of Survey of Part of the East ½ Lot 25 and Part of the Southeast ½ Lot 26 Concession 1 Geographic Township of March (241451-South March_BESS-MTM9-Rev0), dated March 11, 2025)
Hatch Ltd.	South March BESS Site Geotechnical Investigation - Hydrogeological and Terrain Analysis Study (H375142-0000-2A4-030-0001), dated March 5, 2025
Hatch Ltd.	South March Battery Energy Storage System (BESS) Preliminary Geotechnical Investigation (H375142-0000-2A0-230-0001)
Hatch Ltd.	South March Battery Energy Storage System (BESS) Fluvial Geomorphology Assessment (H375142-0000-2B0-066-0001), dated June 4, 2025

2. Background

2.1. Site description

The BESS and substation portions of the South March BESS project are approximately 6 ha of two properties totalling 84.5 ha at 2625 & 2555 Marchurst Road, Ottawa, Ontario. The project is a proposed installation of 250 MW Battery Energy Storage System (BESS). The proposed development (Figure 2) consists of the BESS area, substation, stormwater pond, and an access road. The substation and wet pond are located on the south and north ends of the site, respectively. Access to the site is provided via road from Marchurst Road.

Figure 2: Developed areas for the BESS site (source: Google Earth)

The site is relatively flat with an elevation change of approximately 99 to 104 masl across the site based on MTM zone 9 (Horizontal datum) CGDV28 (Vertical datum) from the Tulloch site survey. The BESS site runoff is planned to drain north to a proposed stormwater pond in the post-development situation.

The project site is located within the Ottawa River Watershed. The existing watercourse that runs through the site will be redirected through a diversion ditch around the site to exit the developed area and discharge its water to the natural pond located on the north side. The proposed watercourse's new arrangement is shown in Figure 3.

The nearby Old Carp Road, located south of the site, is identified as a Scenic Route as per Schedule C13 of the "Official Plan" (City of Ottawa, 2022). The proposed development must meet the requirements of Section 4.6.2, policy 4 of the "Official Plan" as it is adjacent to the Scenic Route. This project follows the policy by having the site located away from Old Carp Road and remaining hidden by existing trees.

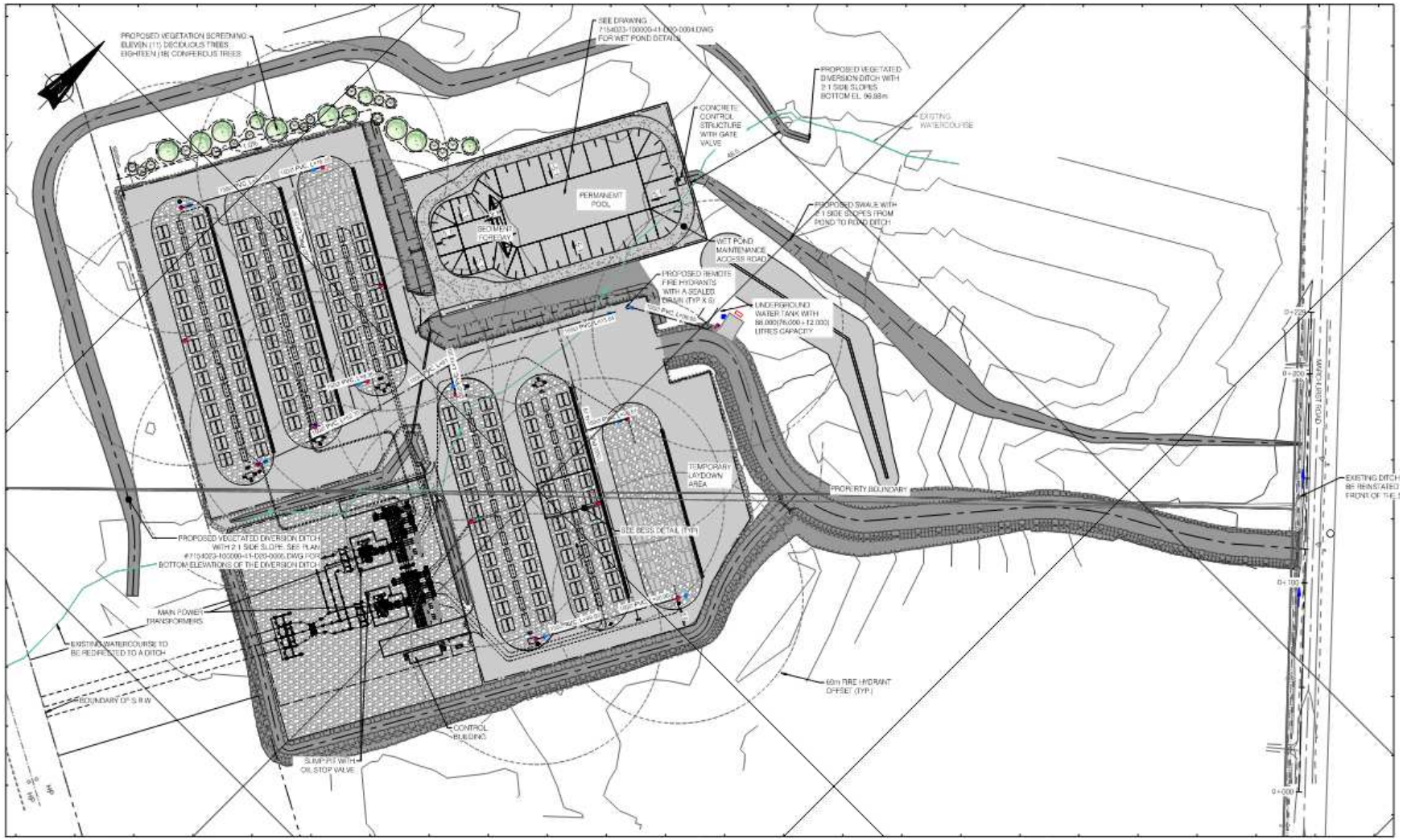


Figure 3: Watercourse path through the BESS site

The stormwater detention wet pond will be used as the end-of-pipe control to manage quantity, quality, and erosion controls. A storm pipe will be installed at the pond outlet that connects to a proposed ditch that conveys stormwater from the wet pond to the ditch along the Marchurst road and then drains to watercourses leading to Constance Lake. This is done to ensure the destination of the water will not change with the construction of the development.

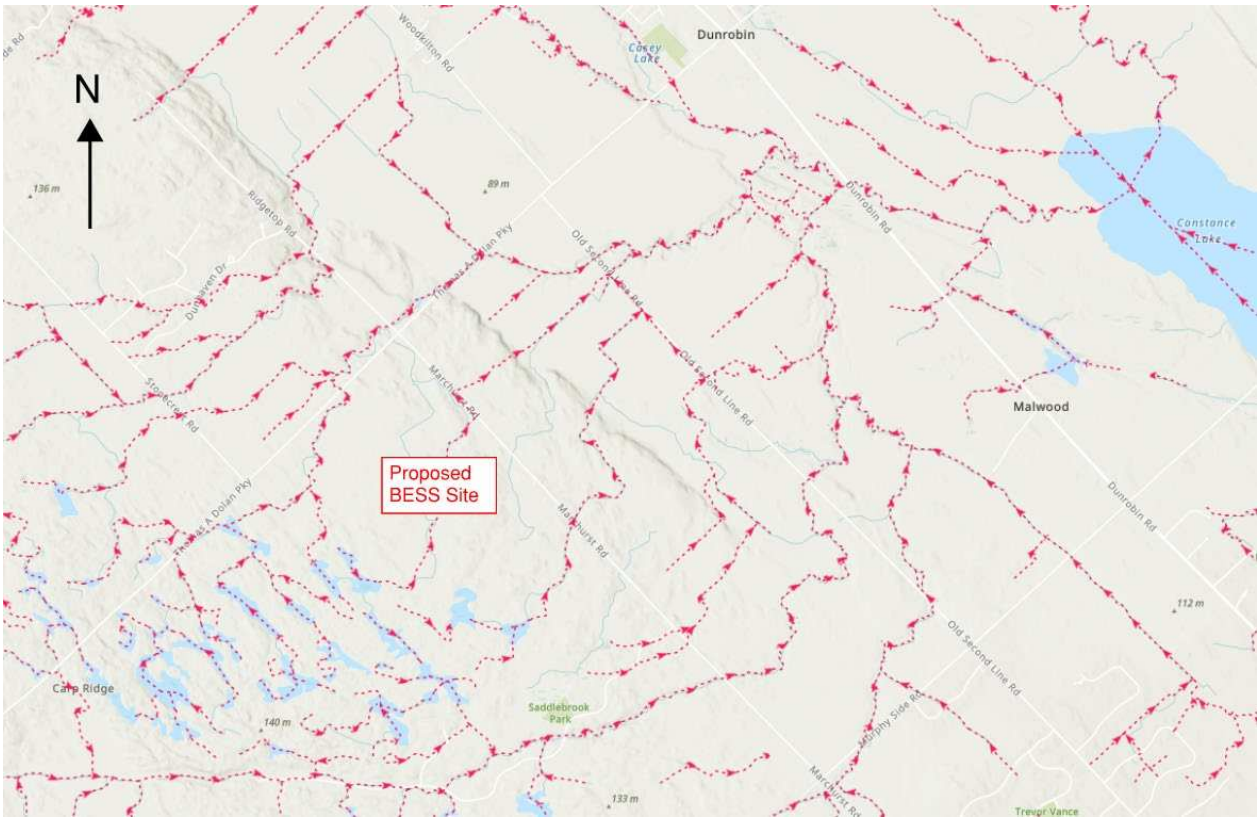


Figure 4: Overland Flow direction (Source: GeoOttawa)

2.2. Regulation area and flooding hazard

The Regulation Limit Boundary, obtained from the MVCA Regulation Map, is shown in Figure 5 and Figure 6. Ontario Regulation 41/24 applies to the lot due to the presence of a waterway (Figure 5). The yellow line shows the regulated zones, which are defined in MVCA Regulation Policies as 30 m from wetlands (green line) and 15 m from the 100-yr flood area (red line). The actual setback of the developed area is approximately 150 m from non-Provincially Significant wetlands and 950 m from the 100-year flood line. As the South March BESS site is located outside of the setback of the 100-year flood and wetland area, no flooding hazard is present. Following

MVCA Regulation Policies, the existing watercourse will be redirected through a diversion ditch to maintain the base flow throughout the construction and operation of the site.

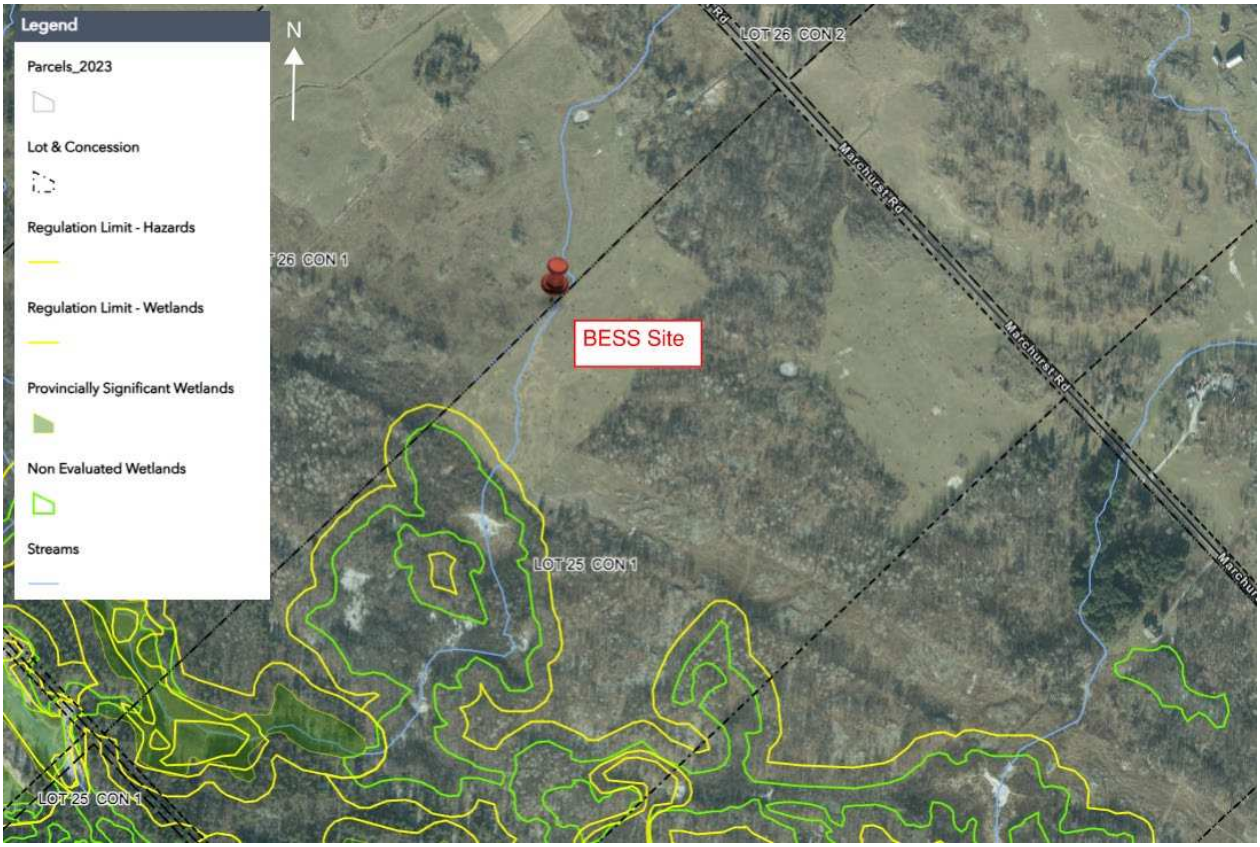


Figure 5: Close up of MVCA regulated areas
(Source: MVCA Regulation Public Mapping Browser)

A Provincially Significant Wetland (PSW) is present on the southwest edge of the lot. These wetlands have been determined as being valuable to the environment through acting as a wildlife habitat and a source of clean water through the Ontario Wetland Evaluation System. No groundwater was observed at the surface. This indicates that the wetlands are net fed by the groundwater level (Underground) and relies on surface runoff during precipitation (above ground water).

No further assessment of the Provincially Significant Wetland is required as it is approximately 600 m from any developed area. The required setback is 30 m, according to MVCA policies. Furthermore, the site development will not affect provincial significant wetlands, given the distance and lack of interaction since the wetlands are upstream of the proposed project development.

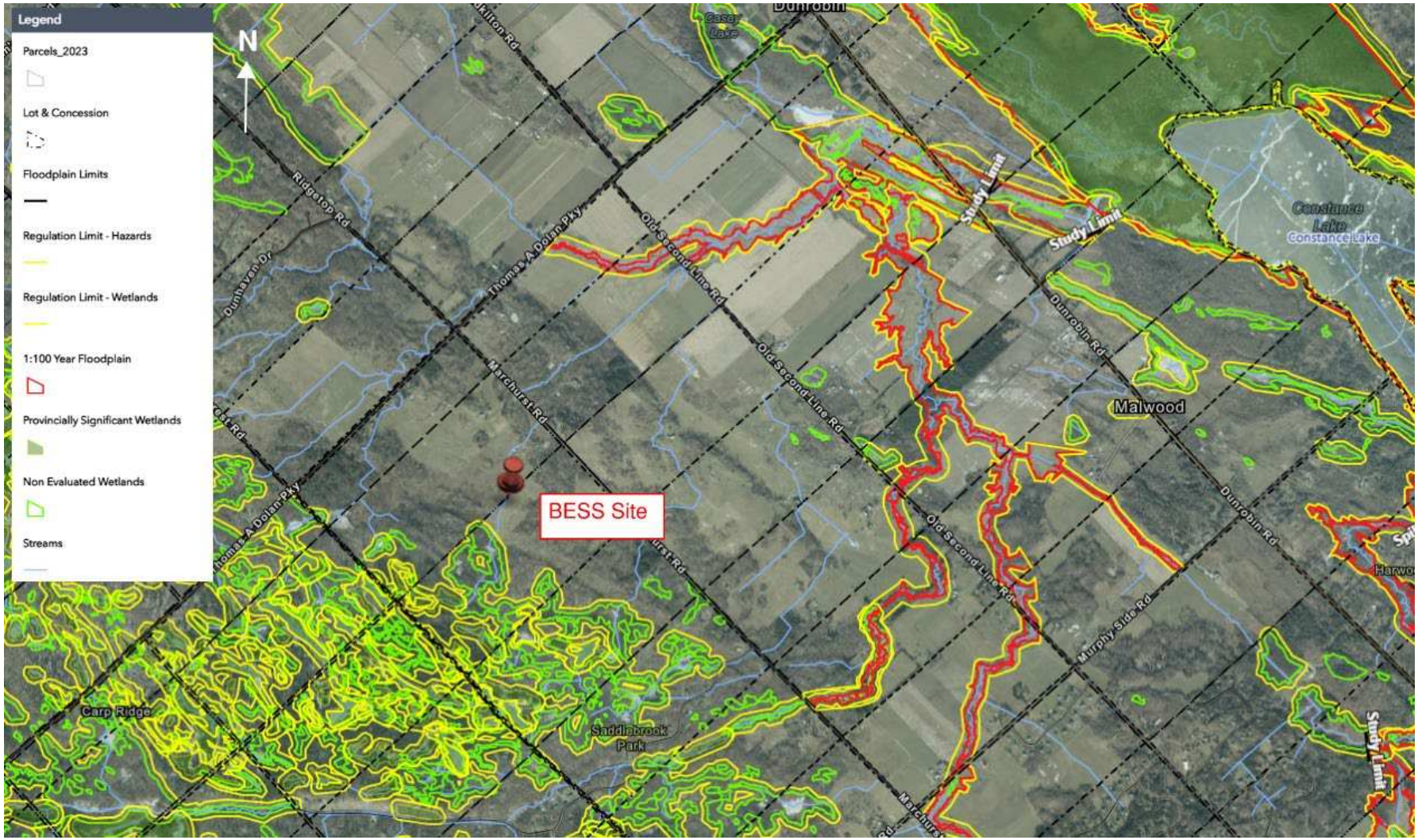


Figure 6: MVCA regulated areas (Source: MVCA Regulation Public Mapping Browser)

3. Water budget assessment

A water budget assessment for a battery storage facility site evaluates how water moves into, through, and out of the property, considering both natural and site-specific engineered conditions. The assessment begins by quantifying inputs such as local precipitation and any water supplied to the facility. Outputs like evapotranspiration, surface runoff from impervious surfaces, and infiltration into subsoils are analyzed. Since battery storage facilities are typically characterized by large impervious areas, the assessment emphasizes surface water management and minimizing stormwater impacts using an appropriate stormwater storage facility.

Understanding the site's water budget is essential for regulatory compliance, environmental protection, and operational safety. Effective management of runoff is especially important to prevent flooding, erosion, and potential contamination from accidental spills or leaks of battery chemicals. Additionally, water budget results inform stormwater permitting requirements and guide design features that promote infiltration and reduce peak flows. Overall, a water budget assessment supports both environmental stewardship and long-term functionality of the facility.

3.1. Water budget equation

A quantitative evaluation of the movement, storage, and use of water in a watershed over a specific time period is needed for a water budget assessment study. It helps to understand how water enters, flows through, and leaves the watershed.

Quantifying the water budget equation before and after development requires breaking it down into its components and estimating how each is affected. As mentioned, an impervious geomembrane will be laid down across the entire site (except the substation area), so the groundwater has not been considered in the water budget equation for the BESS area. The general water budget equation is:

$$P + I_a = ET + R + I_g + \Delta S$$

Where:

P = Precipitation

I_a = Anthropogenic inputs (e.g., irrigation, imported water)

ET = Evapotranspiration (actual)

R = Runoff

I_g = Infiltration to groundwater (recharge)

ΔS = Change in storage (soil moisture, surface water, groundwater)

Actual evapotranspiration (ET) is the quantity of water removed from a surface due to the processes of evaporation and transpiration and is measured in millimetres (mm). For the city of Ottawa, 468 millimetres is considered for evapotranspiration (Statistics Canada, Environmental, Energy and Transportation Statistics Division, 2017).

The amount of precipitation that falls in a watershed is the key factor affecting surface water and groundwater flows. Precipitation is considered the only source of water to the watersheds in the Mississippi Valley Conservation Area. Annually, approximately 77% of precipitation in the Mississippi-Rideau Source Protection Region (MRSPR) falls as rain and 23% as snowfall. The driest month of the year is February, and the wettest month is September. The greatest amount of snowfall occurs in December (Mississippi Valley Source Protection Area water budget report-2011). Figure 7 shows average annual precipitation across the MRSPR and the climate stations used to develop these models. For the South March site, 876-900 mm is considered for the mean total annual precipitation for both pre- and post-development situations.

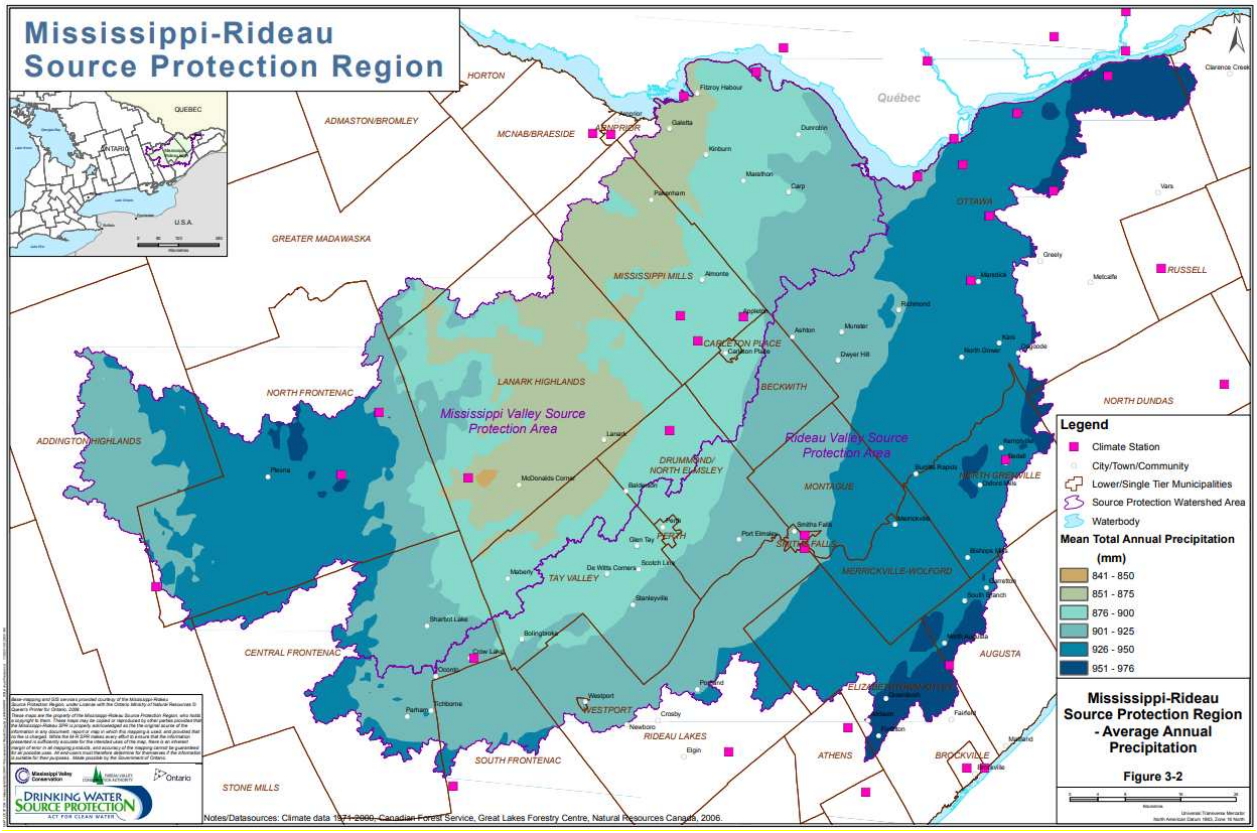


Figure 7: Average annual precipitation across the MRSPR and the climate stations used to develop these models

The average temperature was calculated from the Canadian Forest Service data as the average of minimum and maximum temperatures. Average annual temperature varies across the MRSPR from 4°C in the west to 7°C in the southeast. Figure 8 shows the distribution of average annual temperature across the MRSPR. Based on this figure, the average annual temperature for the site area is from 5.1°C to 6.0°C.

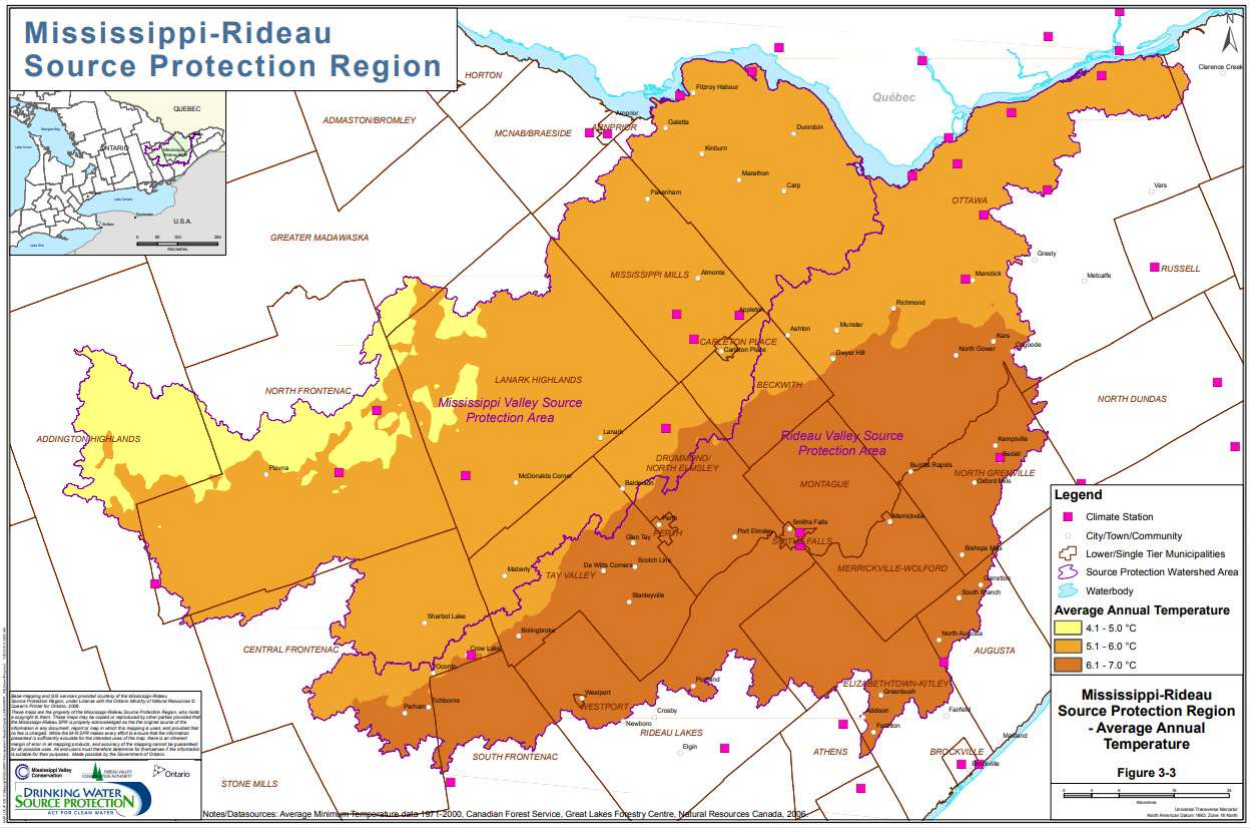


Figure 8: Average annual temperature - Environment Canada Great Lakes Forestry Study (McKenney et al., 2006)

Based on the type of soil and PCSWMM model, on average, 70% of the net rainfall (precipitation minus evaporation) will infiltrate into the soil in pre-development conditions. In the post-development situation, a geomembrane layer will be installed across the entire site (except the substation), and so there will be no infiltration in the development boundary except the substation area. The proposed ditches around the site and the wet pond will also be equipped with an impervious geomembrane, so the runoff flow from the battery area will be collected and discharged to the stormwater storage facility directly without having any infiltration.

The evapotranspiration (ET) ratio for different ground covers—like grass and gravel—refers to how much water is lost to the atmosphere through a combination of evaporation and plant transpiration. Since the site's natural surface is undisturbed, the ET rate is assumed to be 1.0. For the post-development condition, the ET rate is calculated to be 0.3, based on the weighted average of gravel and concrete surfaces. In Table 5, pre-development (natural/undeveloped land) and post-development conditions are compared.

Table 5: Comparison Table: Pre- vs. Post-Development (per 1000 mm/year)

Component	Pre-development (mm)	Post-development (mm)
Precipitation (P)	888	888
ET	468	193
Runoff (R)	126	648
Infiltration (I_g)	294	47
Anthropogenic Input (I_a)	N/A	N/A
Anthropogenic Output	N/A	N/A

3.2. Groundwater and surface water flow

The site-specific hydrogeological and geotechnical conditions are an important input to be considered in the planning and design of the stormwater management plan.

The site lies in the Ottawa Valley Clay Plain physiographic region. This region commonly has thick layers of sensitive marine clay, silty clay, and silt from the Champlain Sea Basin. These layers typically lie on top of a relatively thin layer of glacial till and glaciofluvial deposits which overlie bedrock (Hatch, 2025).

Geotechnical site investigations were conducted by Hatch Ltd. at the BESS site. Soil conditions consist of 100 to 600 mm thick layer of non-organic topsoil. Localized areas of different topsoil thicknesses with varying organic content are expected throughout the site, depending on the topography. A layer of 0.5 m to 0.6 m silty sand was encountered at two of the nine boreholes, which was underlain by silty clay. The remaining boreholes encountered a layer of silty clay, 0.2 m to 4.8 m thick, underneath the topsoil. A bedrock core was taken at 6.1 m below ground surface underneath the silty clay layer at Borehole FY24-1(located at the south end of the proposed developed area). Additionally, bedrock outcrops were observed throughout the site, which will be challenging to excavate due to the strength of the rock. Large hydraulic rock breakers with enough percussive force to break the rock should be used if blasting techniques are not allowed (Hatch, 2025). The bedrock surface is verified using ground-penetrating radar (GPR) scanning.

The Creek in the Project site drains a watershed area of approximately 0.35 km^2 in the area upstream (west) of the Project site and is located at the beginning of the watershed (the headwater zone of the watershed), which drains into Constance Lake. Note that the headwater streams have relatively steeper slopes compared to the downstream zones, with a V-shaped valley. Hydrological analysis, including catchment and stream delineation, was performed using ArcGIS to assess surface flow directions. Figure 9 shows the drainage patterns within the study area using the topographic data (Hatch, 2025).

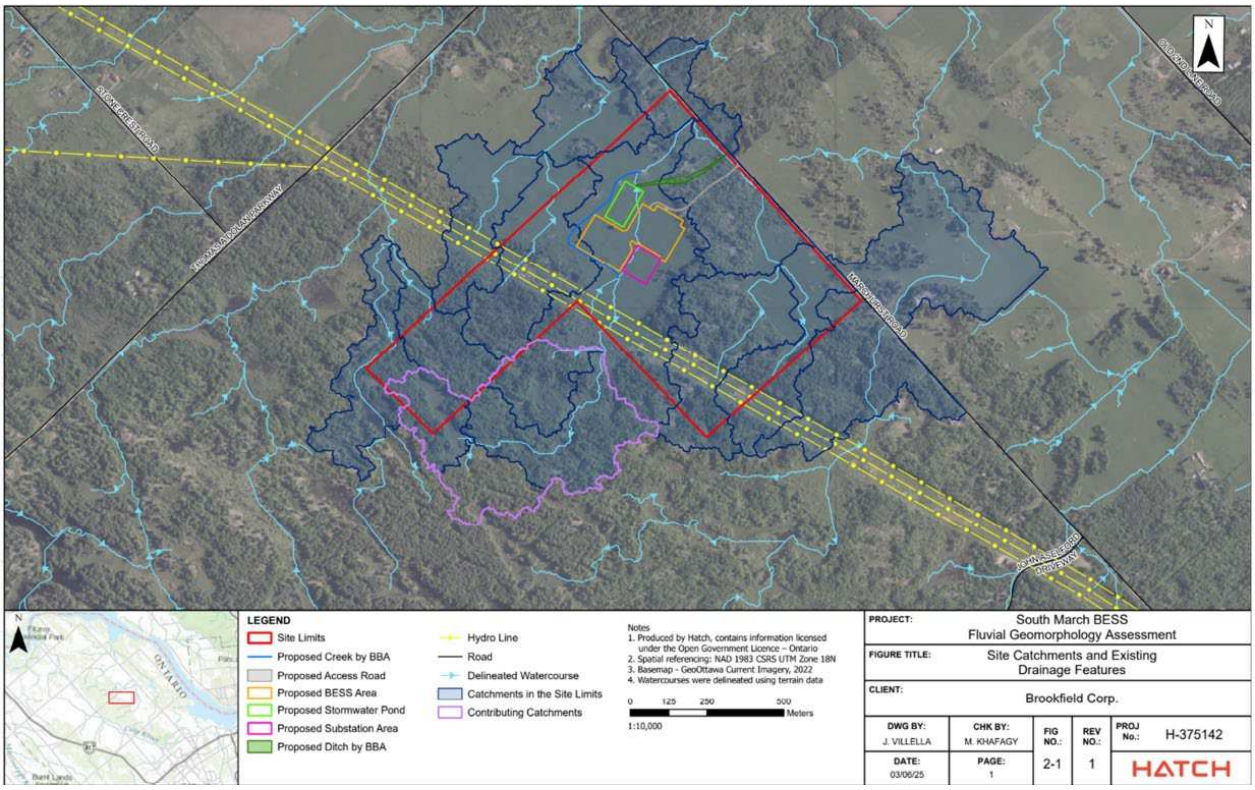


Figure 9: Catchments Within the study area with existing drainage features and general drainage patterns

Hatch installed a monitoring well in Borehole FY24-1. Groundwater was measured at depths ranging from 1.0 m to 1.3 m below ground surface in the middle of the site and is expected to fluctuate with the seasons (Hatch, 2025). Moreover, based on the site visit, the BBA team observed saturated soils along the Creek corridor, the presence of stagnant water zones, and high groundwater levels (as identified in the geotechnical investigation) in the proposed development area. This means that infiltration-based SWM storage facilities may not be suitable for this site.

3.3. Sensitive features

Within the study area, it is crucial to identify and map all sensitive surface water and groundwater features to ensure their protection through targeted management strategies. Sensitive surface water features may include rivers, lakes, wetlands, and streams that support biodiversity, provide drinking water, or are integral to cultural and recreational values. Similarly, vulnerable groundwater resources, such as shallow aquifers or those connected to surface water systems, require detailed hydrogeological assessments to determine their recharge zones, flow patterns, and susceptibility to contamination. As mentioned before, within the proposed development area, there is an existing stream that will be filled and replaced with a diversion ditch on the west side of the batteries. Moreover, an impervious geomembrane will be laid down across the whole site (except the substation area, which does not have any batteries). The clearing and grubbing area during the construction will be limited to this development boundary, and the rest of the project site will not be disturbed. The purpose of the erosion and sediment control plan is to protect the existing stream during the construction, so the water that flows into this ditch will be clean and can be discharged to the right-of-way without any contamination. After the construction and during the operation period, the runoff flow will be drained to the proposed ditches around the site (these ditches are separated from the diversion ditch). This drainage pattern is supported by the finished grades of the site and can guarantee the required protection for the groundwater and surface water.

Establishing clear protection targets for these sensitive features depends on a comprehensive understanding of their ecological functions, water quality status, and exposure to threats such as pollution or land use change. Based on the SWM design, this site will use a wet pond equipped with an impervious geomembrane (as a liner) and a gate valve. The wet pond structure will remove a minimum of 80% of the total suspended solids (TSS) from stormwater runoff and work as a detention storage facility and the gate valve can block any contamination that may be discharged to the right-of-way in case of emergency.

3.4. Climate change

Technically, climate change study is in two ways: by documenting current climate change information available for the region for the next 25 years, and by considering how climate change may affect results found in the Assessment Report. Trend data for the region shows that some changes in temperature and precipitation patterns have already occurred over the past fifty years, and these patterns continue to change in the MRSPR during the next thirty years (chapter 7 of the Mississippi Valley Source Protection Area Climate Change Assessment Report, 2022).

The list of the major changes is as follows:

- An increase in air temperatures in both warm and cold seasons in the range of 0-2°C by 2040 is projected for eastern Ontario;
- Minimum temperatures are projected to increase at a faster rate than maximum temperatures;
- Monthly precipitation patterns and amounts are projected to change;
- Evapotranspiration (ET) is anticipated to increase. Approximately 60% of water is currently lost through ET, the remainder leaving as surface water flow; and
- Weather variability is projected to increase, with increased frequency of weather extremes and events.

Studies conducted by source protection planning demonstrate that climate change will bring warmer temperatures to the Eastern Ontario region in the next thirty years (and beyond) and eventually will impact the groundwater and surface water quality and quantity. Table 6 shows the Monthly Average Climate Data for Drummond Centre (MVSPA) and Kemptville (RVSPA) 1954-2004.

Table 6: Monthly Average Climate Data for Drummond Centre (MVSPA) and Kemptville (RVSPA) 1954-2004

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
A) MVSPA - Drummond Centre													
Precipitation (mm)	61	55	59	65	73	76	75	77	81	74	80	71	848
Snow water equivalent (mm)	42	38	30	9	1	0	0	0	0	2	16	44	181
Rainfall (mm)	16	17	29	57	72	76	75	77	81	72	64	27	667
Temperature (°C)													
Min.	-15	-14	-7	0	7	11	13	12	8	2	-3	-10	0
Max.	-4	-3	4	12	20	24	27	26	20	13	5	-2	12
Mean	-10	-9	-2	6	13	18	20	19	14	8	1	-6	6
Potential ET1	0	1	6	33	82	116	135	112	71	34	10	1	602
B) RVSPA - Kemptville													
Precipitation (mm)	61	60	63	72	79	79	84	81	85	77	80	77	898
Snow water equivalent (mm)	42	37	36	11	0	0	0	0	0	3	18	45	192
Rainfall (mm)	25	20	34	64	75	80	85	84	83	74	65	34	722
Temperature (°C)													
Min.	-14	-14	-10	-3	4	10	13	13	10	5	0	-8	1
Max.	-5	-4	0	8	16	22	26	26	22	17	9	0	11
Mean	-9	-9	-5	3	10	16	19	19	16	11	5	-4	6
Potential ET1	0	1	6	32	82	115	132	108	70	34	10	1	591
1. All Values are measured except for potential ET. Potential ET is calculated (Thornthwaite and Mather).													

Notes:
MVSPA - Mississippi Valley Source Protection Area
RVSPA - Rideau Valley Source Protection Area

Recent temperature data indicates that Ottawa has experienced an increase in temperature in the past 50 years. Average winter temperatures have increased approximately 1.5°C, spring

temperatures have increased approximately 1.0°C and summer temperatures have increased 0.5-0.7°C. Fall temperatures were the exception, not showing any major change (chapter 7 of the Mississippi Valley Source Protection Area Climate Change Assessment Report, 2022). The following table shows the projected maximum (tmax) and minimum (tmin) seasonal temperatures for the period 2010-2039 from the base period 1984-2003, as calculated by Mississippi Valley Conservation (MVC). Table 7 shows the projected maximum (tmax) and minimum (tmin) seasonal temperatures for the period 2010-2039 from the base period 1984-2003, as calculated by MVC.

Table 7: Projected maximum and minimum seasonal temperatures for 2010-2039 (Source: Chapter 7 of Mississippi Valley Source Protection Area Climate Change Assessment Report, 2022)

Projected Temperature Changes

For the period 2010-2039 (0C/30yr)

Summer

	tmax	tmin
June	0.9	0.9
July	1.2	1.5
August	0.9	0.9
average	**1**	**1.1**

Fall

	tmax	tmin
September	0.9	0.6
October	0	0.3
November	1.2	0.3
average	**0.7**	**0.4**

Winter

	tmax	tmin
December	0.6	1.2
January	2.4	5.1
February	0.9	1.8
average	**1.3**	**2.7**

Spring

	tmax	tmin
March	0.3	1.5
April	0.6	1.5
May	2.1	1.2
average	**1**	**1.4**

Trend data for Ottawa demonstrates a statistically significant increase in the number of days with heavy rain (greater or equal to 95 percentile rainfall), with other stations immediately surrounding the region having non-significant increases in the 1950-2003 period. Although there is no strong indication of the trend at this time, the percentage of precipitation that falls as winter rain or occurs as freezing rain may rise as winter temperatures increase. The trend in the number of freezing rain hours per year shows a small but steady increase (Environment Canada 2005).

MVC predicted the changes in precipitation as below:

- Fall (September, October, and November) precipitation will increase by 2039;
- Winter (December, January, and February) precipitation will decrease in December, with increases in January and February;
- Spring (March, April, and May) precipitation will show no change in April and decreases in March and May by 2039;

- Summer (June, July, and August) average precipitation projections by 2039 indicate an increase in June and July with a decrease in August.

3.5. Implementation plan

The design should incorporate a combination of low-impact development (LID) strategies and stormwater best management practices (BMPs) to achieve the post-development flows lower than the pre-development flows. The main purpose is to retain runoff on-site, promote infiltration, and match pre-development flow volumes and peak discharges. However, since an impervious geomembrane is used for most of the site area, the runoff flow from the BESS area will be collected and discharged to the wet pond. The Hydrologic models (PCSWMM model) confirm that total runoff and infiltration volumes under post-development conditions are lower than the pre-development flows. Refer to section 5 for stormwater management results. Evapotranspiration is maintained where possible through using vegetated ditches around the site.

Downstream mitigation measures have been evaluated based on watershed modelling and local hydraulic capacity. No immediate downstream channel reinforcements are required, but monitoring will be conducted during the first operational year to detect any unforeseen impacts. Should flow exceedances be observed, wet pond or conveyance improvements will be coordinated with local agencies and adjoining landowners. The plan also anticipates future climate conditions, incorporating stormwater infrastructure designed for higher-intensity rainfall events.

4. Stormwater management plan

4.1. SWM concept

The South March BESS site stormwater management concept is to collect and discharge the runoff from the developed area to a proposed stormwater pond north of the developed area to manage the stormwater quantity and quality and provide erosion control for the site. This concept is to prevent discharging the stormwater to the existing watercourse and adjacent properties.

The proposed stormwater system consists of a network of culverts and ditches, which collect all the surface runoff and discharge to the wet pond. The storm system is designed for the 100-yr

(major storm) event. The wet pond will be designed such that the 100-yr post-development peak flow will match the 2-year pre-development peak flow rate.

The increased runoff resulting from using an impervious geomembrane across the entire battery pad will be directed to ditches around the substation and the battery container area, which eventually flows to the wet pond; this protects the development from flooding as required by Section 4.7.1 policy 6 of Ottawa's Official Plan.

The entire storm network, including the pond and pond outlet structure, is sized to manage the stormwater demand from the BESS site and meet all applicable standards and guidelines; these are described further in Section 6.3.4.

There will be no change in the drainage pattern for the rest of the site (undisturbed areas). It should be mentioned that the existing stream will be replaced with a diversion ditch on the west side of the site to drain the runoff flow coming from the upstream of the watershed.

The surface materials of the proposed BESS site are composed of gravel for the roads, substation and BESS area; concrete for substation equipment, building foundations and for miscellaneous equipment in the BESS area; as well as grass and vegetation elsewhere. A geomembrane will be laid down across the entire site, except the substation area, to protect underground water. The proposed wet pond will also be equipped with the geomembrane.

4.2. Design criteria

The stormwater management design criteria are based on the guidelines outlined in the Ministry of the Environment, Conservation and Parks (MECP), formerly the Ministry of Environment (MOE) "Stormwater Management Planning and Design Manual" (MOE, 2003) (refer to Table 3).

A summary of how each SWM criteria is addressed is provided in Table 8. A discussion of the design criteria and the applied control measures is included in this section.

Table 8: Summary of stormwater management design criteria

SWM Criteria	Subcomponent	Control measures
Water Quantity	Peak Flow Control	▪ The proposed stormwater detention pond will be used for quantity control
	Volume Control	▪ Site-specific conditions limit the use of L.I.D. features, namely: high groundwater table and exposed bedrock in some locations

SWM Criteria	Subcomponent	Control measures
		▪ No additional volume control measures are required
	Major-minor system conveyance	▪ A system of culverts and ditches will collect the BESS site's surface runoff and discharge the major storm (100-yr) to the wet pond
	External drainage conveyance	▪ Not applicable
Water Quality	Suspended Solids	▪ The proposed stormwater detention pond will be used for quality control
	Temperature	▪ Landscape around the wet pond will help reduce sun exposure on the permanent water within the wet pond
	Other contaminants	▪ Oil-water separator system will be implemented to manage the risk of oil spills from the oil-filled transformer in the substation area
Stream erosion control		▪ Runoff from a 25-mm design storm (4-hour, Chicago distribution) will be detained and released over a period of at least 24 hours
Water balance/groundwater recharge		▪ Water balance study and the groundwater quality and quantity assessment are discussed in this report and in Hatch's Hydrogeological report
Erosion and sediment control		▪ Erosion and sediment control plan to reduce, contain, and treat sediment-laden runoff

Water quantity

The stormwater detention wet pond will be used for water quantity control under normal operational and emergency conditions. For normal operational conditions, the proposed pond size has been evaluated to ensure that the 100-yr post-development peak flow rates of the BESS site do not exceed the 2-yr pre-development flow values. The pond is equipped with a weir and reverse-sloped pipe to pass these design storm flow rates. An emergency gate valve will be installed in the control structure to protect the right-of-way from any potential contamination that may be discharged to the ditch along the Marchurst Road.

In general, culverts must be designed to convey design flows when full or when the hydraulic grade line (HGL) is at or below the crown of the pipe. However, in some instances, the HGL may be elevated due to boundary conditions. In this project, the on-site stormwater network is designed to have the maximum hydraulic grade line elevation min. 0.3 m below the finished

grades of concrete foundations for the 100-yr event (Ottawa Sewer Design Guidelines, Oct 2012). Culvert and ditches (including diversion ditch) in general are kept at an 80% fullness maximum in the 100-year 24h storm event.

Water quality

Wet ponds usually require a minimum drainage area of about 5 hectares to sustain the permanent pool. In this site, due to the high local groundwater table, a wet pond will be used as an end-of-pipe stormwater storage facility. Wet ponds are the most common end-of-pipe stormwater management tool and are normally reliable in operation, especially during adverse conditions (e.g., winter/spring). The stormwater pond will be used for water quality control as the end-of-pipe SWM facility. The proposed pond has been evaluated to ensure it provides water quality, erosion, and quantity control. The pond will provide an Enhanced Level (80% removal of suspended solids) of water quality treatment according to "Stormwater Management Planning and Design Manual" (Ontario, 2003). The permanent pool volume required for the wet pond for water quality control is per Table 3.2 "Water Quality Storage Requirements based on Receiving Waters" (MOE, 2003). The role of the permanent pool is to minimize the resuspension and blockage of the outlet. Moreover, it provides extended settling and removes the biological pollutants. It should be mentioned that the runoff flow of the BESS site will not be mixed with the water from the existing streams (which will be replaced with the proposed diversion ditch) within the lots.

A sediment forebay facilitates maintenance and improves pollutant removal by trapping larger particles near the inlet of the pond. Furthermore, vegetated ditches will provide water quality pretreatment upstream of the wet pond through the removal of suspended solids.

The potential release of oil to the environment from transformers will be managed to meet water quality objectives. The oil-filled substation transformer will have a secondary containment and a sump pit with an oil control system to eliminate the risk of spills to the environment. See Section 7 for further details.

Stream erosion control

Erosion control is implemented to protect the receiving watercourses downstream of the site vulnerable to erosion. The stormwater pond has been evaluated for erosion control by controlling runoff from more frequent storm events. A 4-hour 25-mm Chicago storm, detained for 24 hours is a preferred rain to be used based on section 4.6.2 of the Stormwater Management Planning and Design Manuel. The pond is equipped with a reverse-sloped pipe (which acts as an orifice) to meet the detention time requirements.

Water balance

The groundwater level was measured during and after drilling at depths from 1.0 m to 1.3 m bgs. These shallow groundwater levels were found in boreholes located in the middle of the development area, which constitutes approximately 50% of the developed areas. In the remaining area, no groundwater was observed. Using the measurements of groundwater level, it appears that the groundwater generally moves towards the northeast and southwest of the site (Hatch, 2025).

Groundwater levels at the site are expected to fluctuate seasonally. Higher groundwater levels are anticipated during wet periods, such as spring or after prolonged precipitation events. Groundwater flow is shown in Figure 10. Refer to Hatch's Hydrogeological and Terrain Analysis Study (H375142-0000-2A4-030-0001) for more information.

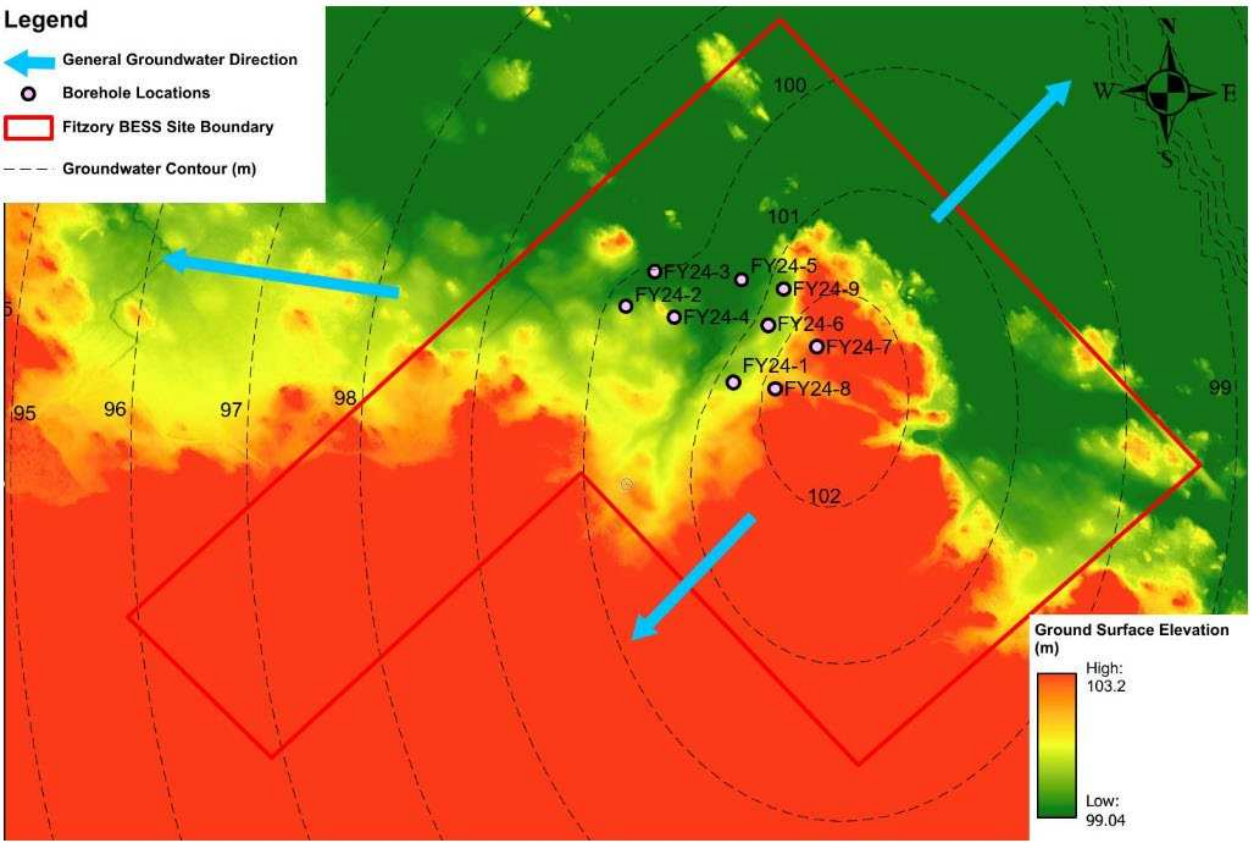


Figure 10: General groundwater flow
(Source: Hydrogeological and Terrain Analysis Study: Figures 2-3 – Hatch, 2025)

As previously stated, an impervious geomembrane will be laid down across the whole site (except the substation area) to protect the groundwater from any potential contamination. Because there will be no battery in the substation area, a geomembrane is not needed for this area.

Erosion and sediment control

Erosion and sediment control (ESC) measures will be incorporated during the phases of the project: prior to construction (grubbing, pre-grading), construction, and post-construction, to reduce sediment-laden runoff.

Ditches within the BESS site will be lined with a geomembrane and designed such that velocities are within permissible velocities to prevent erosion.

Refer to drawing 7154023-100000-41-D70-0001 and 7154023-100000-41-D70-0002 for more details.

Planting strategy

A planting strategy is required for the wet pond to provide shading, aesthetics, safety, bird control, enhanced pollutant removal, and other benefits. The environmental consultant of the project will provide more details in the detailed design process.

5. SWM modelling

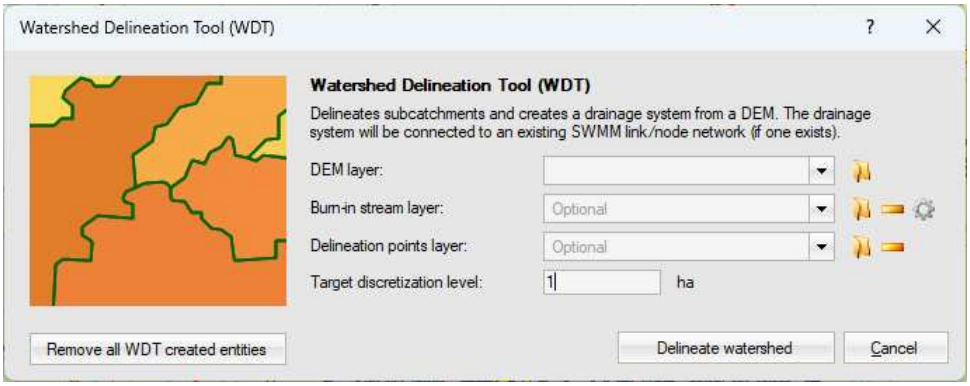
The Computation Hydraulics Inc. (CHI) PCSWMM software version 5.2.4 was used for modelling the pre- and post-development storm scenarios. SWMM is a dynamic rainfall-runoff simulation model used for single-event or long-term (continuous) simulation of runoff quantity and quality for primarily urban areas. The software was used to simulate overland flow and routing through various hydraulic structures such as swales, pipes, culverts, weirs, orifices, and the wet pond. The calculations for the stormwater management infrastructure design are attached in Appendix D with the SWMM modelling results in Appendix B.

6. Parameters and assumptions

6.1.1. Topography

For the pre-development site, sub-catchment areas were delineated based on and Publicly available lidar data by Ontario Geohub and the topographic survey "241451-South March_BESS-

MTM9-Rev0" received from Tulloch in March 2025; refer to Appendix C .The Natural sub catchment we're delineated true PCSWMM watershed delineation tool (WDT) through a DEM type file of the lidar. This tool also determines the flow length and slope of each sub catchment. The natural flow corridors were partially done using this tool. Alignment, slope and cross-sections were generated and then verified one by one. Roadside existing ditch were them adjusted with the latest provided survey.



For post-development conditions, sub-catchment and ditches areas were integrated in the simulation based on the layout of the proposed drainage system and the proposed grading design.

6.1.2. Storm events

Storm events of 2-, 5-, 10-, 25-, 50-, and 100-year return periods of the 24-hour SCS Type 2, 4-hour Chicago storm distributions, obtained from "Ottawa Sewer Design Guidelines Second Edition" (City of Ottawa, 2012), were simulated for the pre- and post-development conditions for evaluating the quantity control.

IDF data was obtained from "Ottawa Sewer Design Guidelines Second Edition" (City of Ottawa, 2012). The 25-mm storm event using a 4-hour Chicago storm distribution was also simulated in the post-development condition for evaluating the erosion quality control.

6.1.3. Hydrologic parameters

The infiltration and runoff potential of soils can be defined by the Soil Conservation Service Curve Number (CN). The CN values for the soils on the BESS site were selected based on findings from the "Hydrogeological and Terrain Analysis Study (H375142-0000-2A4-030-0001)" (Hatch, 2025) and

Geotechnical Investigation (Hatch, 2025). The findings of these two reports suggest that the site soils have decent infiltration capacity, but that the groundwater table is high.

The site consists of two main soil types that were identified using geological data from Geology Ontario: Till in the northwest and southeast and Offshore Marine Deposits in the centre. The till is composed of sandy and silty diamicton, which is calcareous when formed from sedimentary rocks that have not been leached. The calcareous composition indicates moderate drainage capacity; this means the area is suitable for surface-level construction without significant concerns for water retention or drainage issues. The Offshore Marine Deposits consist of clay, silty-clay and silt. The composition of the soil suggests low permeability in the area (Hydrogeological and Terrain Analysis Study – Hatch, 2025).

The hydrologic soil group is expected to be soil group "BC" with a CN value of 69 for the project site. The estimated Horton infiltration rate is 9 mm/h (minimum infiltration rate) to 170 mm/h (maximum infiltration rate) as per the MTO Drainage Manual. The site soil condition is suitable for infiltration (Hatch, 2025).

The CN values are summarized in Table 9. For sub-catchments having mixed surfaces, a weighted average was used in the model.

Table 9: Curve number

Surface	Curve Number
Native site soils / Grass	69
Gravel	80
Concrete	98
Areas with geomembrane	100

For overland and drainage system flows, Manning's roughness coefficients and discharge coefficients were obtained from the "EPA SWMM User's Manual Version 5.1" (Rossman, 2015) as well as Appendix 6-C.1 of "Ottawa Sewer Design Guidelines" (City of Ottawa, 2012). These are presented in Table 10 and Table 11. The discharge coefficient for the weir is determined based on the water depth over the weir to width of weir ratio, per the "Discharge Characteristics of Broad-Crested Weirs" (Tracy, 1957).

Table 10: Manning's n

Surface	Manning's n
Grass, short (overland flow)	0.15
Gravel (overland flow)	0.09
Concrete	0.013
Grass (open channel)	0.03
Drainage pipe, material type to be finalized (closed conduits)	0.013

Table 11: Coefficient

Parameter	Discharge Coefficient
Culvert entry loss	0.6-0.7
Culvert exit loss	1.0
Orifice discharge	0.65

6.2. Pre-development analysis

The pre-development sub-catchments, within the property limits of the BESS site, are shown in Figure 11.

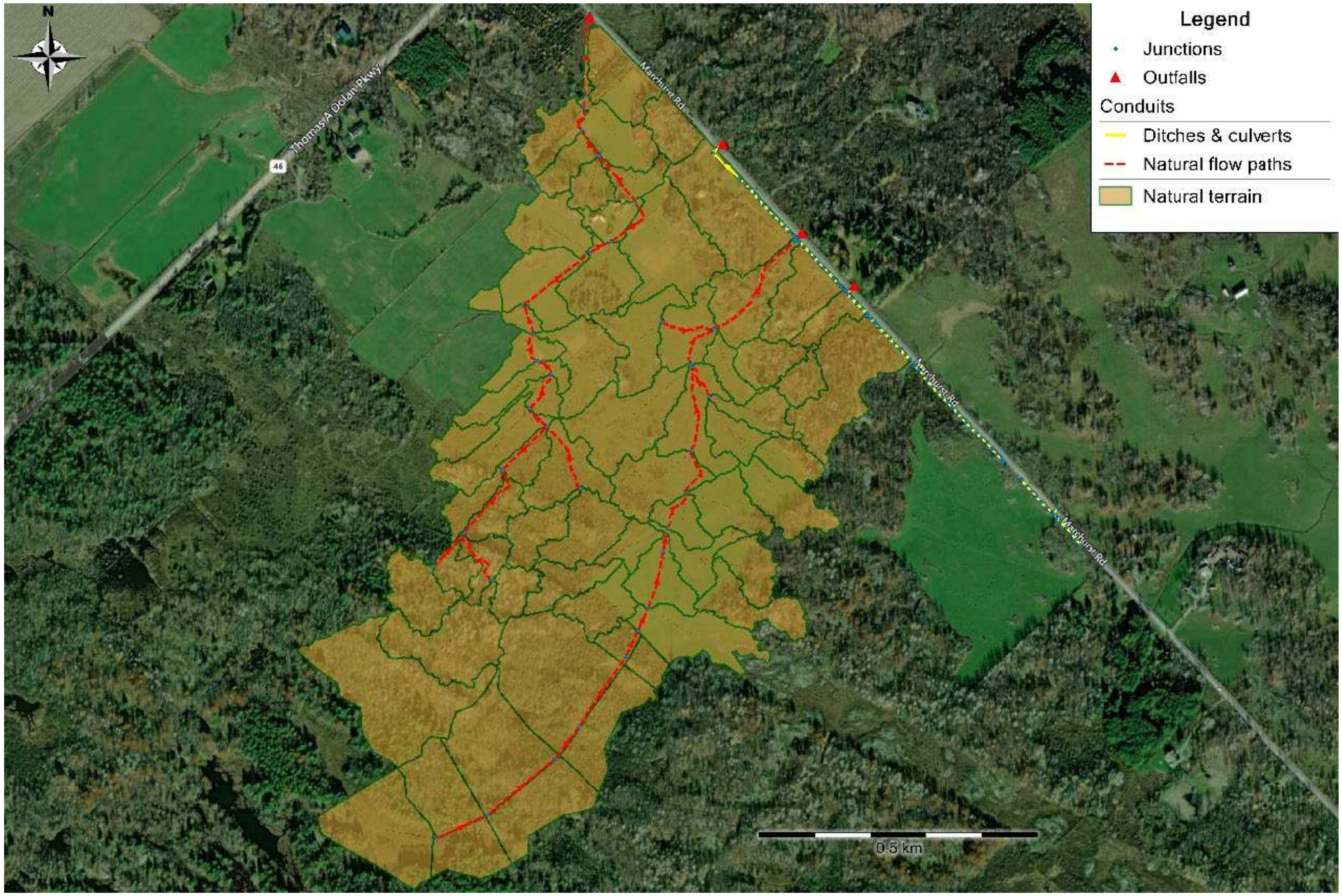


Figure 11: Pre-development sub-catchments (From PCSWMM model)

To meet quantity control requirements, the 100-yr post-development-controlled outflow rates from the pond should be equal to or less than the 2-yr pre-development flow rates of the site. The pre-development peak flow rates of the site are summarized in Table 12 for the SCS Type 2.

Both Chicago and SCS type 2 storm distribution were tested for this site. The SCS Type 2 storm distribution consistently results in higher runoff volumes and peak flow rates than the Chicago distribution storm. As such, the SCS Type 2 distribution will be used for the stormwater design and to evaluate the stormwater management controls. According to the City of Ottawa Sewer Design Guidelines, the minor system for local, collector, and rural arterial roads shall be designed to accommodate a 5-year return period. But to be more conservative and similar to some other projects located in the city of Ottawa, the 100-year post-development flow will be limited to a 2-year pre-development flow in this project.

In the analysis, two outfalls are observed since they both have sub catchment in the subject terrain for this project. These two outfalls will be referred to as A and B. Their results will allow to measure the impact of the proposed development.

Table 12: SCS Type 2 storm pre-development flows

Return period		100 years		50 years		25 years		10 years		5 years		2 years	
		Max. flow	Total vol.	Max. flow	Total vol.	Max. flow	Total vol.	Max. flow	Total vol.	Max. flow	Total vol.	Max. flow	Total vol.
	Duration	m^3/s	ML	m^3/s	ML	m^3/s	ML	m^3/s	ML	m^3/s	ML	m^3/s	ML
A	24-hr	1.761	17.3	1.526	14.5	1.248	12.0	0.882	8.97	0.577	6.7	0.203	3.63
B	24-hr	0.503	2.0	0.412	1.68	0.319	1.39	0.202	1.04	0.121	0.779	0.034	0.426

6.3. Post-development

The stormwater management modelling results and details of the stormwater management design are presented in the following section.

6.3.1. Proposed pond description

A wet pond is proposed as a stormwater storage facility for this project due to the following advantages:

- The performance of the pond does not depend on soil characteristics;
- The permanent pool minimizes re-suspension;
- The permanent pool minimizes blockage of the outlet;

- Biological removal of pollutants occurs with the settling of total suspended solids;
- The permanent pool provides extended settling.

The wet pond has a 12 m x 24 m forebay and 68.5 m x 24.5 m main A berm separates the forebay and main pond areas. The pond uses 5:1 side slope. The forebay length-to-width ratio is 2:1, and the overall pond length-to-width ratio is 3.6:1, which aligns with MOE guidelines.

The inlet structure to the pond is an open ditch to allow better flow when pond levels are higher in major storm event.

A 300-mm diameter reverse-sloped pipe (modelled as an orifice) and a weir are the outlet structures for the pond. These discharge to a concrete control structure, which has a 600-mm diameter pipe with a restrictive orifice of 125 mm and emergency weir as its outlets.

The reverse sloped pipe has an inlet invert elevation of 96.0 m and an outlet invert elevation of 96.8 m. The weir has a width of 1.5 m and invert elevations of 98.2 m. Under normal operating conditions, the 600 mm diameter HDPE pipe routes the pond outflow to the ditch located on the northeast side of the BESS site. Whereas in the emergency scenario, the overflow weir discharges the pond outflow onto that same ditch.

The wet pond will be constructed with an impervious geomembrane on the bottom and sides, which prevents any seepage from the forebay and the permanent pool.

6.3.2. Pond downstream conditions

The pond outlet structure consists of a concrete box equipped with the primary and emergency weirs, a reverse sloped pipe (which acts as an orifice), and an outlet pipe as described in the Wet Pond – Plan & Sections drawing (7154023-100000-41-D20-0004) to regulate pond outflows. The outlet of the pond control structure is a 600-mm diameter pipe with a restrictive orifice of 125 mm that discharges the stormwater into a long-vegetated ditch that connects the ditch along Marchurst Road.

The storm network was analyzed using a free outfall condition at the end of the swale connecting to the ditch on Marchurst Road. This was modelled to ensure the whole storm network can meet pre-development flow rates and that any changes to infrastructure downstream of the ditch do not impact the pond's ability to maintain pre-development flows.

6.3.3. Sub-catchment areas

The BESS site is divided into fifteen sub-catchment areas, based on the proposed finished grading of the site. The sub-catchments are labelled S1 to S15, where S15 is the stormwater pond.

All post-development sub-catchment areas are shown in Figure 12.

As mentioned before, the existing stream is to be redirected to a diversion ditch on the west side of the development area. Based on the Fluvial report (South March Battery Energy Storage System (BESS) Fluvial Geomorphology Assessment prepared by HATCH 2025) the south march peak flow rates are 0.35 and 1.03 m^3/s for the 2 and 100-year rainfall. For comparison, based on the PCSWMM simulation the peak flows undertook by the diversion ditch from the south march creek are 0.33 and 1.2 m^3/s for 2 and 100-year rainfall. Furthermore, the max velocity observed in the south march creek PCSWMM are 0.63 and 1.12 m/s for 2 and 100-year rainfall. The proposed vegetated diversion ditch has a variable width of 2 to 5 m at the bottom with a variable depth depending on the existing ground elevation, and the capacity is adequate to convey the runoff flow coming from the upstream of the watershed. For a complete result of South March Creek and the diversion ditch (flow, max velocity, etc.), refer to Appendix B. South March Creek can be found in the Link Flow Summary portion of the results under the names SMC# and DD# for the diversion ditch; they are both named from upstream to downstream.

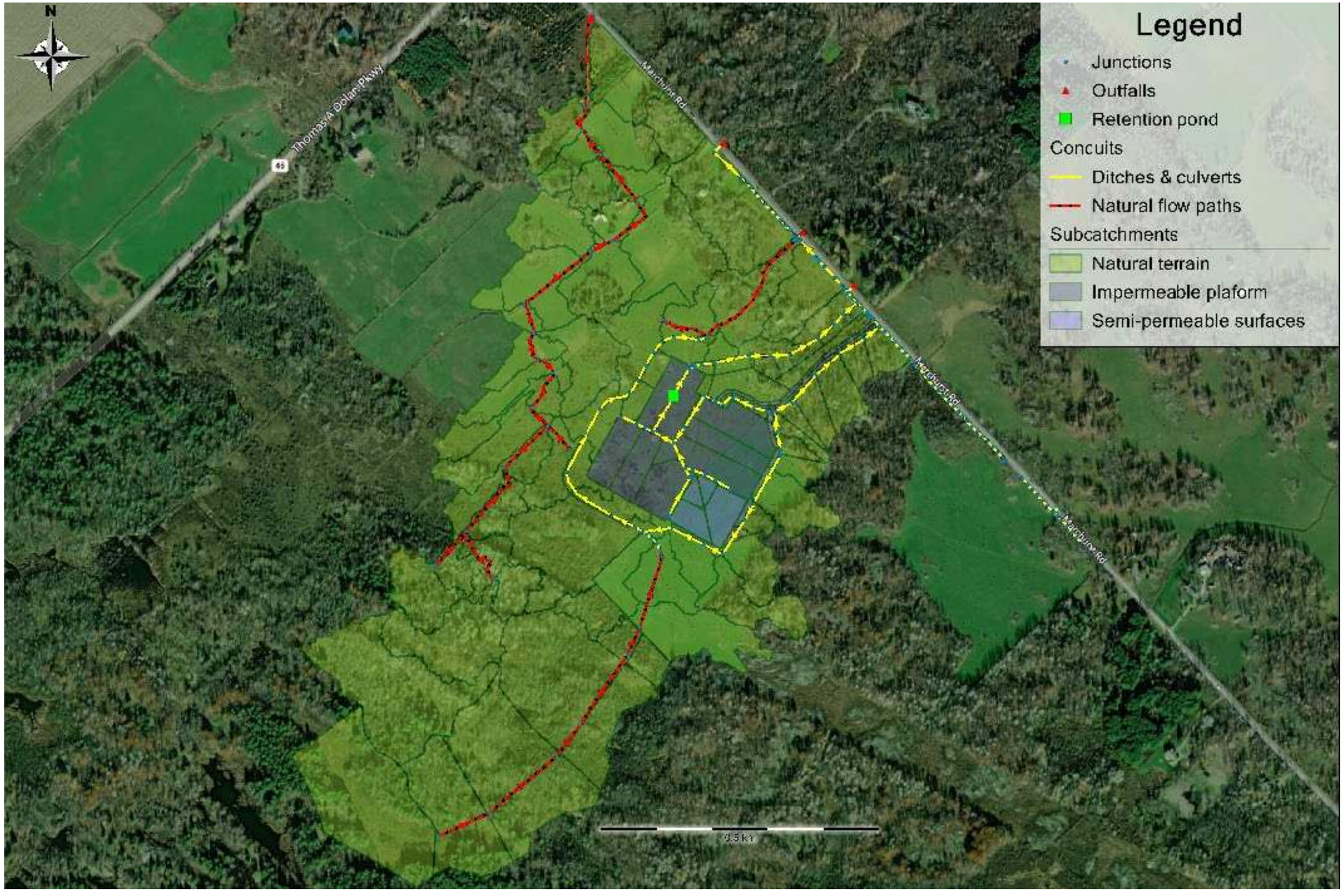


Figure 12: Post-development sub-catchment areas (from PCSWMM)

6.3.4. Wet pond design criteria

The stormwater pond has been designed to meet quantity, quality, and erosion control requirements under the runoff from the BESS site. The design of the wet pond is per MECP (formerly MOE) design guidelines (MOE, 2003) and a summary of the design criteria is provided in Table 13, including the runoff from the BESS site.

Table 13: Wet pond design summary

Parameter	Minimum criteria (per MECP [formerly MOE] design guidelines)	Design value
Wet pond water quality storage requirement to meet enhanced Protection Level (80% removal of SS)	287 m^3/ha	543 m^3/ha
Detention time	24 hours	> 24 hours
Length-to-width ratio of the forebay	2:1	2:1
Overall length-to-width	3:1	3.6:1
Side slopes	3:1	5:1
Forebay	Minimum depth of 1 m Maximum 33% area of the total permanent pool	1.0 m depth 21% of the total permanent pool area
Permanent pool depth	Maximum depth of 3 m	1.3 m
Active storage depth	Maximum 1.5 m for water quality/erosion control Maximum 2 m, including quantity control	0.36 m for water quality/erosion control 1.3 m for 100-yr quantity control.
Forebay length	Greater than or equal to the larger of the settling length and dispersion length: 15 m (1)	24 m
Freeboard	300 mm	300 mm under normal operating conditions
Orifice	75 mm	125 mm
Inlet	Minimum 450 mm diameter	1.2-meter-deep open ditch 0.5 m wide at the bottom
Outlet	Minimum 600 mm diameter	600 mm

1. The settling length and dispersion length are calculated as per "Stormwater Planning & Design Manual" (MOE, 2003) for the erosion control storm and a 10-year storm, respectively.

Pond size was verified to meet the following four (4) storage components: the permanent pool, forebay, active storage (quality/erosion control storage), and quantity control storage.

Based on the enhanced protection level of 80% long-term suspended solids removal and percentage of impervious area for the developed site, the MECP (formerly MOE) design manual Table 3.2 (MOE, 2003) requires 287 m^3/ha (based on 100% impervious level) for the storage volume, by linear extrapolation. The permanent pond volume is calculated to be 3,256 m^3 to meet this requirement. Given the contributing developed areas of 6 ha for the BESS site, min. 1722 m^3 of storage volume is required, which means the size of the permanent pool meeting the requirements of Table 3.2 (Figure 13) for enhanced protection in wet ponds with a 100% impervious level.

Protection Level	SWMP Type	Storage Volume (m^3/ha) for Impervious Level			
		35%	55%	70%	85%
Enhanced 80% long-term S.S. removal	Infiltration	25	30	35	40
	Wetlands	80	105	120	140
	Hybrid Wet Pond/Wetland	110	150	175	195
	Wet Pond	140	190	225	250
Normal 70% long-term S.S. removal	Infiltration	20	20	25	30
	Wetlands	60	70	80	90
	Hybrid Wet Pond/Wetland	75	90	105	120
	Wet Pond	90	110	130	150
Basic 60% long-term S.S. removal	Infiltration	20	20	20	20
	Wetlands	60	60	60	60
	Hybrid Wet Pond/Wetland	60	70	75	80
	Wet Pond	60	75	85	95
	Dry Pond (Continuous Flow)	90	150	200	240

Figure 13: Water quality storage requirements
(Source: Table 3.2 in Stormwater Management Planning and Design Manual MOE, 2003)

The active storage was sized as the larger of the erosion control active storage and the quality control active storage. Quality control requires a storage volume of 40 m^3/ha, whereas erosion control requires a volume capable of providing 24 hours of detention time for a 25 mm 4-hour Chicago storm. The quality control storage volume is 240 m^3, and the erosion control volume is 1297 m^3.

For quantity control, 24-hour SCS Type 2 storm events were simulated for return periods ranging from 2 to 100 years. The post-development flow rates are compared to the pre-development values to ensure the post-development quantity is equal to or less than the 2-yr pre-development while maintaining minimum 300 mm of freeboard to the top of the pond bank. To meet quantity control under normal operating conditions, weir width will be 1.5 m to reduce the outflow and meet peak flow requirements. See plan 7154023-100000-41-D20-0004 for more details.

6.3.5. Post-development flows

In Table 15, the controlled post-development flow rates leaving the wet pond with a free outfall, is presented. The results meet MECP (formally MOE), and City of Ottawa guidelines' quantity control requirements and are less than the 2-year pre-development flow rates of the BESS site.

Table 14: SCS Type 2 storm pre-development flows

Return period		100 years		50 years		25 years		10 years		5 years		2 years	
		Max. flow	Total vol.	Max. flow	Total vol.	Max. flow	Total vol.	Max. flow	Total vol.	Max. flow	Total vol.	Max. flow	Total vol.
	Duration	m^3/s	ML	m^3/s	ML	m^3/s	ML	m^3/s	ML	m^3/s	ML	m^3/s	ML
A	24-hr	1.132	15.6	1.009	13.3	0.877	11.1	0.692	8.59	0.531	6.69	0.294	4.1
B	24-hr	0.423	6.94	0.387	6.3	0.346	5.67	0.202	4.86	0.208	4.2	0.101	3.17

Table 15: Post-development-controlled flows vs. pre-development flows

Return period	100-year post to 2-year pre
SCS Type 2 Duration	m^3/s
24-hr	0.037/0.042

6.3.6. Wet pond water elevation and storage volume

Figure 14 shows the storage capacity curve of the proposed wet pond as it was input into PCSWMM. The storage curve by area including the permanent pool volume.

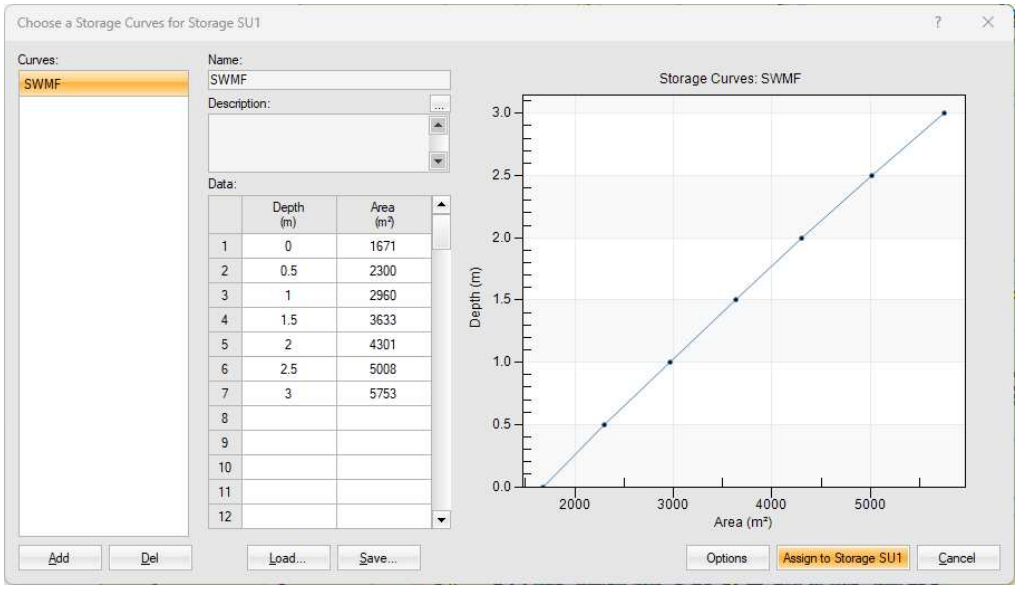


Figure 14: PCSWMM Storage curve

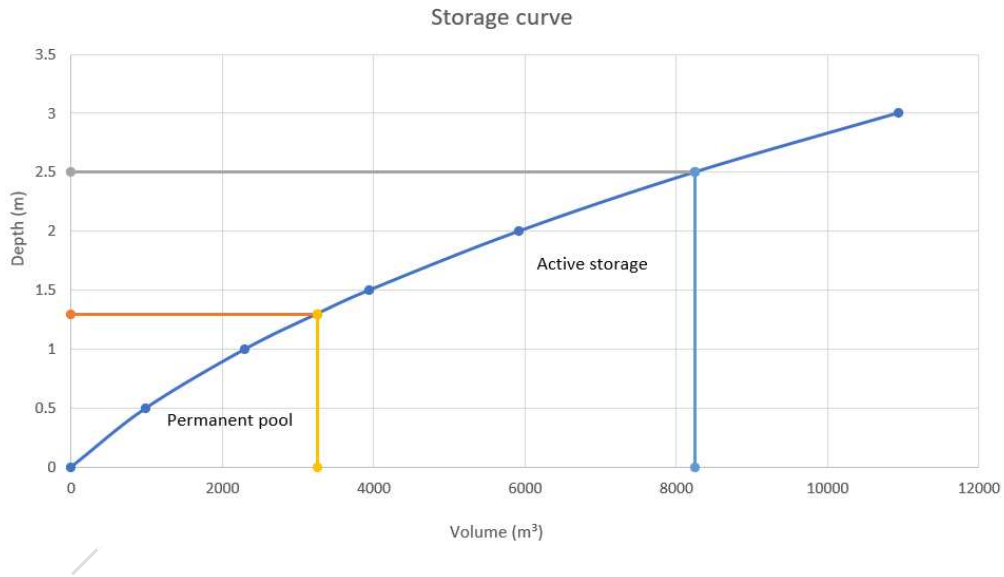


Figure 15: Storage curve

Table 16 illustrates every stage of storage for quality and quantity control.

Table 16: Stage storage relationship

Stage-storage relationship								Outflow (m^3/s)
Elevation (m)	Surface area at elevation (m^2)	Side slope (1:run)	Incremental depth (m)	Incremental volume (m^3)	Total depth (m)	Total volume (m^3)	Comments	Orifice
95.5	1671	5	0.00	0	0.00	0.00	Permanent pool	N/A
95.8	2100	5	0.30	565.7	0.30	565.65		N/A
96	2300	5	0.20	440.0	0.50	1005.65		N/A
96.5	2960	5	0.50	1315.0	1.00	2320.65		N/A
96.8	3364	5	0.30	948.6	1.30	3269.25		0
97	3633	5	0.20	699.7	1.50	3968.95	Detention storage - quality control 4 hours 25 mm storm	N/A
97.16	3740	5	0.16	589.8	1.66	4558.79		0.01266
97.5	4301	5	0.34	1348.8	2.00	5907.57	Detention storage - quantity control Chicago 24 hours 100 years	0.02788
98	5008	5	0.50	2327.3	2.50	8234.82		0.0366
98.5	5753	5	0.50	2690.3	3.00	10925.07	Freeboard (0.5 m) overflow invert at 98.2.	NA

Table 16 shows wet pond water elevation and associated active storage volumes. Results are given assuming a free outfall condition downstream of the pond control structure (at the connection point of the swale and the ditch along the Marchurst Road).

Table 17: Maximum water elevation during various storm events

Return period		100y	50y	25y	10y	5y	2y
SCS Type 2 Duration							
24-hr	Water elevation front pond bottom(m)	2.5	2.39	2.29	2.15	2.04	1.87
	Active storage volume (m^3)	4993	4479	3979	3359	2864	2128
4-hr Chicago	Water elevation (m)	1.66					
	Active storage volume (m^3)	1297					

7. Spill prevention and response

Per Sewer Use Bylaw "Bylaw No. 2003-514" (City of Ottawa, 2004) and the Ontario Technical Guide to Renewable Energy Approval, the maximum allowable concentration of oil and grease is 15 mg/L. The transformer will be contained within a concrete secondary containment pit. Control systems will monitor oil levels within the transformer, which alerts facility management to the leak. It will also be filled with fire-quenching stones and a sump pit with an oil detection system (Petro pipe) designed to meet the maximum allowable oil concentration. This system (Petro pipe) will close in contact with oil and prevent any water from flowing out of the secondary containment. The sump pit is located inside the containment, connected by a gravity flow pipe to a nearby ditch east of the substation area. Pipes are sized to ensure the flow rate is less than the design flow capacity of the sump pit.

The Ontario Technical Guide recommends that secondary containment be sized for the transformer oil volume plus the rainfall from the 24-hour 50-year return period storm. IEEE 980 recommends that the secondary containment volume be sized to hold 110% of oil volume. The governing scenario of these two guidelines will be considered in the design. And, as mentioned, clean water from the sump pit with oil detection system will be discharged back to the site stormwater system.

For sizing the sump pit with oil detection system, the following data is considered:

- The preliminary transformer has 52 100 L of oil;
- A 24-hour and 50-year return period event has a rainfall intensity of 4.4 mm/hr and cumulative rainfall depth of 105.2 mm.

For spill response, staff members should be trained and have any necessary equipment to contain and clean potential spills as per a site emergency response plan. The emergency response plan should also include coordination with local emergency response personnel and define procedures to inform the MOE Spills Action Centre of any reportable spills.

8. Erosion and sediment control

An erosion and sediment control (ESC) plan will ensure sediment-laden runoff does not damage downstream watercourses and receiving waters. The MECP (formerly MOE) design manual (MOE, 2003) requires that no off-site migration of sediment may occur. The ESC plan covers all phases of the project from before construction, during construction, and extend to post-construction. The permanent post-construction erosion control measures are discussed in Section 4.2. In this section, temporary ESC measures prior to and during construction are discussed.

The ESC plan is developed following guidelines based on "Stormwater Management Planning and Design Manual" (MOE, 2003) and the "Regulation Policies" (MVCA, 2024).

The erosion and sediment controls shall be installed prior to any construction activity. The ESC measures put in place are to be monitored and maintained throughout construction until the final grading, erosion control, and drainage systems are in place.

Refer to the drawings 7154023-100000-41-D70-0001 to 0002 for more information on erosion and sediment control.

9. Maintenance and monitoring

To ensure the proposed stormwater management system functions as per design, a maintenance plan should be implemented at the BESS site. Inspection is recommended annually, to identify maintenance needs, as well as after significant storm events to ensure proper functioning of the system.

The following items should be considered in the maintenance plan for the drainage system upstream and downstream of the pond as well as the ditches outside the site but in the property and should be conducted quarterly to annually, or as-needed basis:

- Finished grading: low points and potential ponding areas;
- Grassed swales: blockages, state of vegetation, and signs of erosion;
- Culverts: blockages and sediment build up;
- Sump pit: oil and sediment storage capacity (per recommendations of sump pit supplier).

The following items should be considered in the maintenance plan for the wet pond:

- Check the permanent pool elevation 48 hrs after a storm event. If the water level is higher or lower than normal, check for leakages or blockages at the outlet and inlet, respectively;
- Check that the vegetation within the pond area is healthy; revegetation may be required. To be conducted monthly to quarterly;
- Visually inspect for pollutants on the water surface and remove as necessary. Indicators include trash, froth, or oily sheen. Conducted monthly to quarterly or on an as-needed basis;
- Check pond structures such as forebay berm, orifices, and inlet/outlet pipes. Conducted monthly to quarterly or on an as-needed basis;
- Usage of herbicides and insecticides should be prohibited, and usage of fertilizer should be limited to reduce nutrient loading downstream of the pond;

- Monitor sediment buildup within the pond annually. Based on the predicted sediment loading of the pond per MOE guidelines, forebay sediment removal should occur once every 8 years or when the forebay volume is filled with sediment, whichever occurs first;
- Sediment removal in the main pool should be conducted every 25 years or when 50% of the main pool volume is filled with sediment, whichever occurs first;
- It is recommended to conduct sediment removal during dry periods to remove the need for a by-pass pipe. Existing vegetation is to be protected and replaced if damaged during this process. Sediments are to be dried in a designated drying area surrounded by silt fences and disposed of per MOEE Sediment Disposal Guidelines;
- Effluent samples should be collected at the pond discharge point and be tested to ensure Provincial Water Quality Objectives are met.

10. Recommendations and conclusion

This report presents the stormwater management plan (SWMP) for the South March Battery Energy Storage System (BESS). The following summarizes the SWMP strategy:

- The BESS site surface runoff will be routed via a system of ditches and culverts. This system will discharge to a stormwater pond;
- The stormwater detention pond will be used as the SWM end-of-pipe control to meet quality, quantity, and erosion control requirements;
- Recommended maintenance procedures have been provided in this report to ensure proper operation of the proposed storm drainage system;
- Spill prevention is another key component of water quality management. The risk of spill from oil-filled transformers will be managed by a concrete containment, discharging by gravity flow to a sump pit;
- Erosion and sediment control during the construction phase will ensure that sediment-laden runoff is managed and the quality of receiving waters is not impaired.

Appendix A: IDF Data

5.4.2 IDF Curves and Equations

An IDF (Intensity Duration Frequency) curve is a statistical description of the expected rainfall intensity for a given duration and storm frequency. In Ottawa, the IDF curve is derived from Meteorological Services of Canada (MSC) rainfall data taken from the Macdonald-Cartier airport. Rainfall collected from 1967 to 1997 was analyzed using the Gumbel Distribution. The following Table 5.1 shows the analysis results provided by MSC. The IDF equations have been derived on the basis of a regression equation of the form:

$$Intensity = \left[\frac{A}{(Td + C)^{B}} \right]$$

where:

Intensity = mm/hr

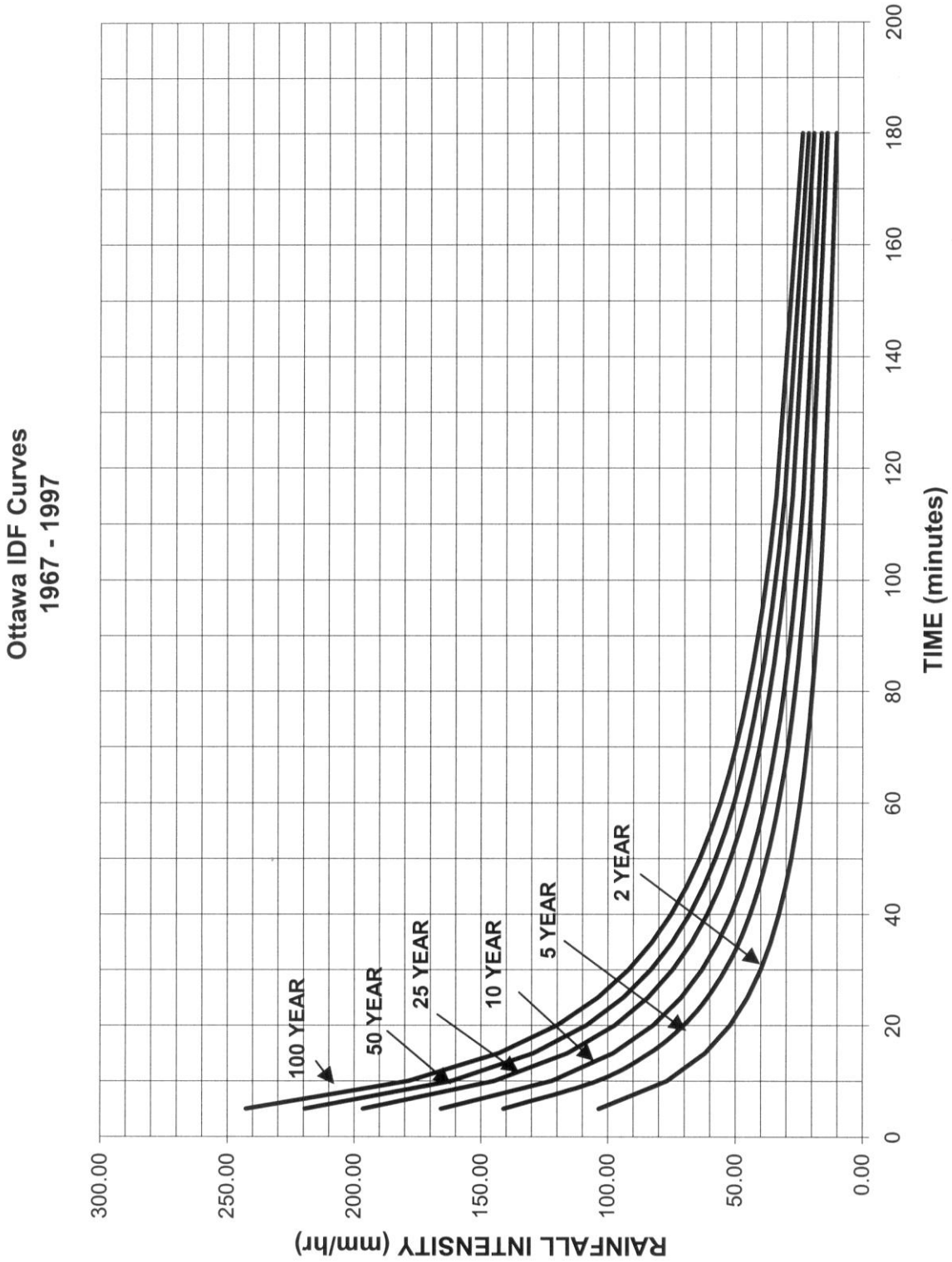
Td = time of duration (min)

A,B,C = regression constants for each return period

Table 5.1 Ottawa IDF Table: 1967 to 1997

Time (min)	2 year (mm/hr)	5 year (mm/hr)	10 year (mm/hr)	25 year (mm/hr)	50 year (mm/hr)	100 year (mm/hr)
5	102.80	140.20	165.00	196.00	219.00	242.60
10	77.10	104.40	122.50	145.30	162.20	179.00
15	63.30	85.60	100.40	119.10	133.00	146.80
30	39.90	53.90	63.10	74.70	83.40	91.90
60	24.20	32.00	37.10	43.60	48.50	53.20
120	14.30	18.90	22.00	25.80	28.70	31.50
360	6.20	8.40	9.90	11.70	13.10	14.50
720	3.60	4.80	5.60	6.60	7.30	8.00
1440	2.00	2.60	3.00	3.50	3.90	4.30

APPENDIX 5-A OTTAWA INTENSITY DURATION FREQUENCY (IDF) CURVE



Appendix B: PCSWMM Model Results

Appendix B-1: Pre-development 24h storm 100y event

EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)

****
Element Count
****
Number of rain gages 7
Number of subcatchments ... 67
Number of nodes 124
Number of links 118
Number of pollutants 0
Number of land uses 0

****
Raingage Summary
****

Name	Data Source	Data Type	Recording Interval
100y_103.5mm	100y_103.5mm	INTENSITY	15 min.
10y_72mm	10y_72mm	INTENSITY	15 min.
25y_84mm	25y_84mm	INTENSITY	15 min.
2y_48mm	2y_48mm	INTENSITY	15 min.
50y_93.6mm	50y_93.6mm	INTENSITY	15 min.
5y_62.4mm	5y_62.4mm	INTENSITY	15 min.
Chicago_4h	Chicago_4h	INTENSITY	10 min.

****
Subcatchment Summary
****

Name	Area	Width	%Imperv	%Slope	Rain Gage	Outlet
S1	0.55	52.36	2.00	8.3340	100y_103.5mm	26468
S10	0.83	166.64	2.00	8.5600	100y_103.5mm	J274
S101	1.29	98.48	2.00	5.3410	100y_103.5mm	J137
S102	0.87	76.33	2.00	9.2800	100y_103.5mm	J137
S105	0.61	117.24	2.00	4.2070	100y_103.5mm	J111
S109	0.53	92.26	2.00	3.3080	100y_103.5mm	J266
S11	1.12	99.21	2.00	5.6280	100y_103.5mm	J8
S111	0.73	150.74	2.00	4.0120	100y_103.5mm	J266
S112	0.51	72.89	2.00	7.1560	100y_103.5mm	J253
S113	0.62	92.70	2.00	6.1840	100y_103.5mm	J253

S114	1.03	136.68	2.00	3.8580	100y_103.5mm J16
S115	0.85	65.61	2.00	9.1880	100y_103.5mm S111
S127	1.17	82.57	2.00	9.1760	100y_103.5mm S111
S128	0.87	60.98	2.00	7.8690	100y_103.5mm S109
S129	1.01	104.44	2.00	5.8120	100y_103.5mm J9
S130	0.62	87.35	2.00	10.8400	100y_103.5mm J160
S132	1.19	88.41	2.00	9.3970	100y_103.5mm J152
S137	2.16	101.18	2.00	9.3820	100y_103.5mm J160
S144	1.69	133.94	2.00	5.3900	100y_103.5mm J9
S16	0.61	65.66	2.00	11.2500	100y_103.5mm J14
S18	0.54	86.45	2.00	8.2240	100y_103.5mm J17
S19	0.58	83.01	2.00	9.3820	100y_103.5mm J17
S2_1	1.39	181.65	2.00	0.5000	100y_103.5mm J15
S2_10	0.39	84.02	2.00	5.2800	100y_103.5mm J10
S2_11	0.36	112.88	2.00	0.5000	100y_103.5mm J10
S2_12	2.53	88.60	2.00	0.5000	100y_103.5mm J7
S2_2	2.58	161.29	2.00	0.5000	100y_103.5mm J12
S2_3	1.71	167.18	2.00	0.5000	100y_103.5mm J12
S2_5	4.03	402.57	2.00	0.5000	100y_103.5mm S137
S2_6	1.06	131.17	2.00	0.5000	100y_103.5mm J13
S2_7	1.49	116.11	2.00	0.5000	100y_103.5mm J13
S2_8	3.63	193.79	2.00	0.5000	100y_103.5mm J15
S23	2.50	130.11	2.00	6.3060	100y_103.5mm J43
S25	1.22	88.61	2.00	7.0290	100y_103.5mm J33
S29	0.54	76.64	2.00	6.0420	100y_103.5mm J43
S3	1.32	84.06	2.00	4.7850	100y_103.5mm OF2
S33	1.35	98.82	2.00	6.6690	100y_103.5mm J35
S34	1.52	145.82	2.00	10.8830	100y_103.5mm J1
S36	1.40	164.77	2.00	7.1970	100y_103.5mm J33
S37_2	1.28	119.80	2.00	6.5590	100y_103.5mm 16017

S4	0.14	22.22	2.00	6.8700	100y_103.5mm
OF2					
S44	1.10	179.89	2.00	6.1560	100y_103.5mm
J258					
S45	0.45	124.15	2.00	7.1480	100y_103.5mm
J276					
S48	1.43	143.91	2.00	5.6990	100y_103.5mm
J53					
S5	2.67	266.72	2.00	11.3200	100y_103.5mm
16094					
S51	1.46	121.71	2.00	4.9010	100y_103.5mm
J64					
S53	0.53	48.19	2.00	5.5430	100y_103.5mm
J258					
S54	0.63	155.42	2.00	3.5050	100y_103.5mm
J64					
S56	0.81	82.13	2.00	12.7850	100y_103.5mm
S1					
S58	0.54	71.61	2.00	13.2180	100y_103.5mm
S1					
S6	0.80	79.72	2.00	11.8730	100y_103.5mm
S3					
S61	0.78	60.77	2.00	3.6030	100y_103.5mm
J80					
S63	2.18	137.54	2.00	4.4280	100y_103.5mm
J270					
S64	1.35	173.21	2.00	4.9200	100y_103.5mm
J270					
S65	0.93	56.61	2.00	3.5920	100y_103.5mm
J92					
S68	0.71	67.71	2.00	7.9820	100y_103.5mm
J86					
S69	1.27	82.51	2.00	5.3450	100y_103.5mm
J101					
S7	2.54	153.64	2.00	11.9440	100y_103.5mm
25014					
S72	0.68	79.02	2.00	3.5540	100y_103.5mm
J86					
S76	1.33	191.47	2.00	4.4170	100y_103.5mm
J259					
S77	0.50	64.02	2.00	5.3700	100y_103.5mm
J259					
S80	0.68	92.84	2.00	6.6690	100y_103.5mm
S72					
S82	1.46	100.97	2.00	4.4500	100y_103.5mm
J107					
S88	1.27	110.78	2.00	7.4640	100y_103.5mm
S72					
S90	0.53	59.02	2.00	4.3430	100y_103.5mm
J117					
S91	1.09	105.53	2.00	5.3300	100y_103.5mm
J111					
S92	0.67	57.07	2.00	10.2410	100y_103.5mm
J117					

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Node Summary
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	Invert	Max.	Ponded	External

Name	Type	Elev.	Depth	Area	Inflow
16006	JUNCTION	94.59	2.26	0.0	
16007	JUNCTION	94.55	2.26	0.0	
16016	JUNCTION	94.54	2.24	0.0	
16017	JUNCTION	94.48	2.25	0.0	
16026	JUNCTION	94.35	2.48	0.0	
16027	JUNCTION	93.83	2.96	0.0	
16036	JUNCTION	93.79	2.63	0.0	
16042	JUNCTION	93.79	2.79	0.0	
16047	JUNCTION	93.69	2.94	0.0	
16052	JUNCTION	93.73	3.60	0.0	
16058	JUNCTION	93.71	0.80	0.0	
16064	JUNCTION	93.55	1.00	0.0	
16070	JUNCTION	93.72	0.80	0.0	
16076	JUNCTION	93.61	0.80	0.0	
16082	JUNCTION	93.56	0.80	0.0	
16088	JUNCTION	93.42	0.80	0.0	
16094	JUNCTION	93.57	0.80	0.0	
16100	JUNCTION	93.42	0.80	0.0	
16106	JUNCTION	93.20	0.80	0.0	
16112	JUNCTION	92.80	1.08	0.0	
16115	JUNCTION	92.67	1.10	0.0	
16127	JUNCTION	93.57	3.46	0.0	
16130	JUNCTION	93.42	3.46	0.0	
16147	JUNCTION	95.44	0.60	0.0	
16156	JUNCTION	94.81	0.60	0.0	
16159	JUNCTION	94.69	1.00	0.0	
16167	JUNCTION	94.53	1.00	0.0	
16172	JUNCTION	95.17	0.60	0.0	
16178	JUNCTION	95.46	0.60	0.0	
16184	JUNCTION	95.47	0.60	0.0	
16190	JUNCTION	95.58	0.60	0.0	
16196	JUNCTION	95.68	0.60	0.0	
16202	JUNCTION	95.72	0.60	0.0	
16209	JUNCTION	96.00	0.60	0.0	
16215	JUNCTION	96.20	0.60	0.0	
16221	JUNCTION	96.34	0.60	0.0	
16228	JUNCTION	96.51	0.60	0.0	
16234	JUNCTION	96.72	0.60	0.0	
16239	JUNCTION	98.39	0.60	0.0	
16246	JUNCTION	98.89	0.60	0.0	
16251	JUNCTION	99.08	1.25	0.0	
16258	JUNCTION	99.21	0.60	0.0	
16264	JUNCTION	99.40	0.60	0.0	
16270	JUNCTION	99.93	0.60	0.0	
16274	JUNCTION	100.26	0.60	0.0	
16306	JUNCTION	101.01	0.60	0.0	
16307	JUNCTION	100.86	0.60	0.0	
16314	JUNCTION	100.25	0.60	0.0	
16320	JUNCTION	100.26	0.60	0.0	
16326	JUNCTION	100.21	0.60	0.0	
16332	JUNCTION	100.05	0.60	0.0	
16338	JUNCTION	99.16	0.60	0.0	
16341	JUNCTION	98.21	0.60	0.0	
16343	JUNCTION	97.87	0.60	0.0	
16346	JUNCTION	97.79	0.60	0.0	

16347	JUNCTION	97.75	1.00	0.0
16362	JUNCTION	98.19	0.60	0.0
16365	JUNCTION	98.75	0.60	0.0
16373	JUNCTION	99.43	0.60	0.0
16380	JUNCTION	99.56	0.60	0.0
16386	JUNCTION	99.67	0.60	0.0
16393	JUNCTION	99.99	0.60	0.0
25006	JUNCTION	94.58	0.80	0.0
25010	JUNCTION	94.59	0.60	0.0
25014	JUNCTION	94.56	0.60	0.0
25019	JUNCTION	94.62	0.60	0.0
25025	JUNCTION	94.64	0.60	0.0
25028	JUNCTION	94.69	0.60	0.0
26414	JUNCTION	94.58	2.27	0.0
26419	JUNCTION	94.76	2.28	0.0
26432	JUNCTION	94.58	0.60	0.0
26456	JUNCTION	94.45	0.80	0.0
26468	JUNCTION	94.46	0.60	0.0
26481	JUNCTION	94.53	0.60	0.0
26502	JUNCTION	94.58	0.70	0.0
26511	JUNCTION	94.61	0.68	0.0
26541	JUNCTION	94.89	0.60	0.0
26548	JUNCTION	94.97	0.60	0.0
26560	JUNCTION	95.24	0.60	0.0
26567	JUNCTION	95.26	0.60	0.0
26578	JUNCTION	95.36	0.60	0.0
26599	JUNCTION	95.35	0.60	0.0
26602	JUNCTION	94.90	0.60	0.0
J1	JUNCTION	93.48	3.25	0.0
J10	JUNCTION	103.83	0.30	0.0
J101	JUNCTION	99.06	1.00	0.0
J107	JUNCTION	98.16	1.00	0.0
J11	JUNCTION	103.42	0.30	0.0
J111	JUNCTION	99.31	1.00	0.0
J117	JUNCTION	100.45	1.00	0.0
J12	JUNCTION	108.21	0.30	0.0
J13	JUNCTION	109.80	0.30	0.0
J137	JUNCTION	100.43	1.00	0.0
J14	JUNCTION	92.06	1.50	0.0
J15	JUNCTION	107.62	0.30	0.0
J152	JUNCTION	102.59	1.00	0.0
J16	JUNCTION	101.53	0.30	0.0
J160	JUNCTION	103.54	1.00	0.0
J17	JUNCTION	92.73	1.50	0.0
J2	JUNCTION	96.92	1.00	0.0
J253	JUNCTION	102.19	1.00	0.0
J258	JUNCTION	96.31	2.27	0.0
J259	JUNCTION	99.32	1.00	0.0
J266	JUNCTION	100.91	1.09	0.0
J270	JUNCTION	96.96	1.00	0.0
J274	JUNCTION	91.38	1.00	0.0
J276	JUNCTION	96.26	1.00	0.0
J3	JUNCTION	97.56	1.00	0.0
J33	JUNCTION	94.89	1.00	0.0
J35	JUNCTION	94.77	1.00	0.0
J43	JUNCTION	94.81	1.00	0.0
J5	JUNCTION	91.80	1.00	0.0

J53	JUNCTION	97.11	1.00	0.0
J64	JUNCTION	97.50	1.00	0.0
J7	JUNCTION	110.80	0.30	0.0
J8	JUNCTION	90.51	1.00	0.0
J80	JUNCTION	98.08	1.00	0.0
J86	JUNCTION	98.10	1.00	0.0
J9	JUNCTION	103.08	0.30	0.0
J92	JUNCTION	98.28	1.00	0.0
16133	OUTFALL	93.23	0.75	0.0
J4	OUTFALL	94.34	0.70	0.0
J6	OUTFALL	91.50	0.75	0.0
OF2	OUTFALL	89.62	0.36	0.0

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Link Summary
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Name	From Node	To Node	Type	Length	% Slope	Roughness
C1	16393	16386	CONDUIT	13.2	2.4516	0.0350
C10	J152	J253	CONDUIT	84.4	0.4739	0.0450
C100	J14	J274	CONDUIT	51.1	1.3304	0.0100
C101	J274	J8	CONDUIT	24.2	3.6035	0.0100
C102	16047	16127	CONDUIT	6.5	1.9636	0.0350
C103	J8	OF2	CONDUIT	143.4	0.6208	0.0100
C104	16127	16130	CONDUIT	1.2	12.4462	0.0350
C105	J1	16130	CONDUIT	6.2	0.9237	0.0350
C106	16112	16115	CONDUIT	13.2	0.9700	0.0350
C107	16106	16112	CONDUIT	12.4	3.2413	0.0350
C108	16100	16106	CONDUIT	13.3	1.5977	0.0350
C11	16347	J3	CONDUIT	13.3	1.5054	0.0240
C110	16094	16100	CONDUIT	13.0	1.1950	0.0350
C111	16088	16094	CONDUIT	13.4	-1.1408	0.0350
C112	16082	16088	CONDUIT	13.1	1.0642	0.0350
C113	16076	16082	CONDUIT	13.3	0.4285	0.0350
C114	16070	16076	CONDUIT	13.3	0.8033	0.0350
C115	16064	16070	CONDUIT	12.7	-1.3181	0.0350
C116	16058	16064	CONDUIT	12.5	1.2522	0.0350

C118	16052	16130	CONDUIT	5.0	
6.2825	0.0350				
C12	16346	16347	CONDUIT	1.1	
2.9398	0.0350				
C13	16343	16347	CONDUIT	0.9	
13.5313	0.0350				
C14	16341	16343	CONDUIT	2.0	
17.1555	0.0350				
C15	16338	16341	CONDUIT	13.9	
6.7922	0.0350				
C16	J5	J6	CONDUIT	24.5	
1.2269	0.0240				
C17	16332	16338	CONDUIT	13.6	
6.6098	0.0350				
C19	16326	16332	CONDUIT	12.9	
1.2326	0.0350				
C2	16130	16133	CONDUIT	14.1	
1.3287	0.0240				
C20	J53	J258	CONDUIT	107.0	
0.7479	0.0450				
C21	16320	16326	CONDUIT	12.6	
0.4289	0.0350				
C22	16314	16320	CONDUIT	13.2	-
0.0759	0.0350				
C23	16307	16314	CONDUIT	13.7	
4.4464	0.0350				
C24	16306	16307	CONDUIT	2.8	
5.2892	0.0350				
C25	J137	J259	CONDUIT	137.0	
0.8103	0.0100				
C28	16274	16270	CONDUIT	6.5	
5.0524	0.0350				
C29	16270	16264	CONDUIT	12.9	
4.1317	0.0350				
C3	16159	16167	CONDUIT	14.4	
1.0985	0.0240				
C31	16264	16258	CONDUIT	12.8	
1.4657	0.0350				
C32	16258	16251	CONDUIT	13.9	
0.9346	0.0350				
C33	16251	16246	CONDUIT	13.1	
1.4537	0.0350				
C34	16246	16239	CONDUIT	12.6	
3.9516	0.0350				
C35	16239	16234	CONDUIT	13.3	
12.7640	0.0350				
C37	16234	16228	CONDUIT	13.0	
1.5919	0.0350				
C38	16228	16221	CONDUIT	11.2	
1.4866	0.0350				
C39	16221	16215	CONDUIT	11.2	
1.2911	0.0350				
C4	16386	16380	CONDUIT	12.4	
0.8071	0.0350				
C40	16215	16209	CONDUIT	13.2	
1.5328	0.0350				
C41	16209	16202	CONDUIT	12.9	
2.1384	0.0350				
C42	16202	16196	CONDUIT	12.6	
0.3421	0.0350				

C43	26456	J4	CONDUIT	18.5	
0.5508	0.0240				
C44	16196	16190	CONDUIT	13.0	
0.7716	0.0350				
C45	J160	J253	CONDUIT	132.0	
1.0225	0.0450				
C48	16190	16184	CONDUIT	13.7	
0.7602	0.0350				
C49	16184	16178	CONDUIT	13.3	
0.0899	0.0350				
C5	16380	16373	CONDUIT	14.6	
0.8992	0.0350				
C50	J86	J270	CONDUIT	71.7	
1.5911	0.0100				
C51	16178	16172	CONDUIT	12.9	
2.2421	0.0350				
C52	16172	16156	CONDUIT	13.4	
2.7460	0.0350				
C53	16156	16159	CONDUIT	0.5	
25.9977	0.0350				
C54	26602	16159	CONDUIT	1.1	
18.9160	0.0350				
C55	26599	26602	CONDUIT	9.4	
4.8065	0.0350				
C56	16147	26599	CONDUIT	1.8	
4.5032	0.0350				
C57	J253	J117	CONDUIT	158.9	
1.0950	0.0100				
C58	26578	26567	CONDUIT	12.1	
0.8682	0.0350				
C59	26567	26560	CONDUIT	13.5	
0.1110	0.0350				
C6	16373	16365	CONDUIT	14.9	
4.6135	0.0350				
C61	26560	26548	CONDUIT	13.7	
1.9807	0.0350				
C63	26548	26541	CONDUIT	12.7	
0.6477	0.0350				
C64	26541	25028	CONDUIT	13.2	
1.4893	0.0350				
C65	25028	25025	CONDUIT	13.3	
0.4138	0.0350				
C66	25025	25019	CONDUIT	9.5	
0.1791	0.0350				
C67	25019	26511	CONDUIT	3.3	
0.3296	0.0350				
C68	26511	25014	CONDUIT	9.7	
0.4518	0.0350				
C69	25014	26502	CONDUIT	6.5	-
0.2295	0.0350				
C7	16365	16362	CONDUIT	10.0	
5.6033	0.0350				
C70	J117	J259	CONDUIT	111.5	
1.0136	0.0100				
C71	26502	25010	CONDUIT	5.2	-
0.2115	0.0350				
C73	25010	25006	CONDUIT	11.7	
0.1363	0.0350				
C74	25006	26481	CONDUIT	12.5	
0.3202	0.0350				

C75		J259	J101	CONDUIT	45.7	
0.5694	0.0450					
C76		26481	26468	CONDUIT	13.7	
0.5783	0.0350					
C77		26468	26456	CONDUIT	11.1	
0.0809	0.0350					
C78		26432	26456	CONDUIT	7.4	
1.8492	0.0350					
C79		26414	16007	CONDUIT	1.1	
2.8394	0.0350					
C8		16115	J5	CONDUIT	66.1	
1.3232	0.0350					
C81		J101	J92	CONDUIT	79.2	
0.9847	0.0100					
C82		26419	16006	CONDUIT	7.8	
2.1667	0.0350					
C83		16006	26414	CONDUIT	12.1	
0.0995	0.0350					
C84		16007	16016	CONDUIT	13.4	
0.0746	0.0350					
C86		J92	J80	CONDUIT	38.0	
0.5257	0.0450					
C87		J80	J64	CONDUIT	60.7	
0.9559	0.0100					
C88		16016	16017	CONDUIT	12.3	
0.4880	0.0350					
C89		J64	J276	CONDUIT	56.3	
2.2037	0.0100					
C9		16362	16346	CONDUIT	8.1	
4.9832	0.0350					
C90		16017	16026	CONDUIT	13.5	
0.9624	0.0350					
C91		J276	J33	CONDUIT	154.1	
0.8892	0.0100					
C92		16026	16027	CONDUIT	11.6	
4.4802	0.0350					
C93		J33	J35	CONDUIT	44.1	
0.2719	0.0100					
C94		16027	16036	CONDUIT	12.0	
0.3089	0.0350					
C95		J35	J43	CONDUIT	103.2	-
0.0388	0.0100					
C96		J43	J17	CONDUIT	109.8	
1.8944	0.0100					
C97		16036	16042	CONDUIT	13.9	
0.0216	0.0350					
C98		16042	16047	CONDUIT	12.7	
0.7631	0.0350					
C99		J17	J14	CONDUIT	56.1	
1.1939	0.0100					
SMC01		J7	J13	CONDUIT	100.3	
1.0009	0.0450					
SMC02		J13	J12	CONDUIT	158.3	
1.0007	0.0450					
SMC03		J12	J15	CONDUIT	71.4	
0.8370	0.0450					
SMC04		J15	J10	CONDUIT	151.1	
2.5062	0.0450					
SMC05		J10	J11	CONDUIT	51.9	
0.7918	0.0450					

SMC06	J11	J9	CONDUIT	42.9	
0.7903	0.0450				
SMC07	J9	J16	CONDUIT	106.2	
1.4553	0.0450				
SMC08	J16	J266	CONDUIT	42.9	
1.4576	0.0450				
SMC09	J266	J111	CONDUIT	82.6	
1.9368	0.0100				
SMC10	J111	J107	CONDUIT	88.8	
1.2946	0.0100				
SMC11	J107	J270	CONDUIT	157.1	
0.7639	0.0100				
SMC12	J270	J2	CONDUIT	5.2	
0.6955	0.0100				
SMC13	J2	J258	CONDUIT	89.2	
0.6887	0.0100				
SMC14	J258	J1	CONDUIT	227.2	
1.2468	0.0100				

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Cross Section Summary
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Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
C1	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1	4.74
C10	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1	1.62
C100	C100	0.71	6.52	0.35	18.54	1	37.24
C101	C101	0.84	7.08	0.37	18.97	1	69.14
C102	TRAPEZOIDAL	2.94	24.69	1.58	14.28	1	133.93
C103	C103	0.36	2.17	0.16	13.16	1	5.13
C104	TRAPEZOIDAL	3.11	27.15	1.65	14.95	1	382.75
C105	TRAPEZOIDAL	3.25	29.33	1.72	15.52	1	115.60
C106	TRAPEZOIDAL	1.08	5.02	0.69	6.81	1	10.98
C107	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	11.19
C108	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	7.85
C11	CIRCULAR	1.00	0.79	0.25	1.00	1	1.59
C110	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	6.79
C111	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	6.64
C112	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	6.41
C113	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	

C114	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1
5.57						
C115	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1
7.13						
C116	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1
6.95						
C118	TRAPEZOIDAL	3.46	32.58	1.81	16.34	1
346.92						
C12	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
5.19						
C13	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
11.14						
C14	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
12.54						
C15	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
7.89						
C16	CIRCULAR	0.75	0.44	0.19	0.75	1
0.67						
C17	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
7.78						
C19	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.36						
C2	CIRCULAR	0.75	0.44	0.19	0.75	1
0.70						
C20	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.04						
C21	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.98						
C22	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
0.83						
C23	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.38						
C24	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.96						
C25	C25	0.16	0.78	0.08	9.50	1
1.34						
C28	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.81						
C29	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.15						
C3	CIRCULAR	1.00	0.79	0.25	1.00	1
1.36						
C31	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.67						
C32	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.93						
C33	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.65						
C34	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.02						
C35	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
10.82						
C37	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.82						
C38	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.69						
C39	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.44						
C4	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.72						

C40	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.75						
C41	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
4.43						
C42	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.77						
C43	CIRCULAR	0.70	0.38	0.17	0.70	1
0.37						
C44	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.66						
C45	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.38						
C48	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.64						
C49	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
0.91						
C5	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.87						
C50	C50	0.32	1.46	0.17	8.24	1
5.78						
C51	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
4.53						
C52	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
5.02						
C53	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
15.44						
C54	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
13.17						
C55	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.64						
C56	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.43						
C57	C57	0.25	1.13	0.15	7.56	1
3.30						
C58	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.82						
C59	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.01						
C6	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.50						
C61	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
4.26						
C63	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.44						
C64	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.70						
C65	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.95						
C66	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.28						
C67	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.74						
C68	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.04						
C69	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.45						
C7	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
7.17						
C70	C70	0.95	25.32	0.62	40.00	1
184.72						

C71	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.39						
C73	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.12						
C74	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.71						
C75	TRAPEZOIDAL	1.00	4.00	0.62	6.00	1
4.87						
C76	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.30						
C77	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
0.86						
C78	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
4.12						
C79	TRAPEZOIDAL	1.62	9.31	0.95	8.98	1
43.46						
C8	TRAPEZOIDAL	1.00	4.50	0.65	6.50	1
11.05						
C81	C81	0.13	0.54	0.07	8.04	1
0.87						
C82	TRAPEZOIDAL	2.26	15.83	1.26	11.53	1
77.56						
C83	TRAPEZOIDAL	2.26	15.83	1.26	11.53	1
16.62						
C84	TRAPEZOIDAL	2.24	15.59	1.25	11.44	1
14.10						
C86	TRAPEZOIDAL	1.00	4.00	0.62	6.00	1
4.68						
C87	C87	0.60	5.37	0.36	14.68	1
26.74						
C88	TRAPEZOIDAL	2.24	15.59	1.25	11.44	1
36.06						
C89	C89	0.68	5.95	0.38	15.45	1
46.64						
C9	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.76						
C90	TRAPEZOIDAL	2.25	15.80	1.26	11.52	1
51.54						
C91	C91	0.83	4.29	0.43	9.35	1
22.90						
C92	TRAPEZOIDAL	2.48	18.44	1.36	12.40	1
136.83						
C93	C93	0.74	4.44	0.28	16.58	1
9.94						
C94	TRAPEZOIDAL	2.52	19.04	1.38	12.59	1
37.50						
C95	C95	0.60	3.11	0.23	13.46	1
2.29						
C96	C96	1.00	11.25	0.62	17.88	1
112.98						
C97	TRAPEZOIDAL	2.63	20.46	1.43	13.04	1
10.93						
C98	TRAPEZOIDAL	2.79	22.58	1.51	13.67	1
74.09						
C99	C99	1.02	10.34	0.56	18.28	1
76.72						
SMC01	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
3.16						
SMC02	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
3.16						

SMC03	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
2.89						
SMC04	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
5.00						
SMC05	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
2.81						
SMC06	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
2.81						
SMC07	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
3.81						
SMC08	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
3.81						
SMC09	C72	0.30	2.45	0.18	13.72	1
10.71						
SMC10	C80	0.75	4.30	0.30	14.17	1
21.90						
SMC11	C85	0.65	3.74	0.23	15.97	1
12.30						
SMC12	C113	0.64	6.62	0.34	19.26	1
26.70						
SMC13	C113	0.64	6.62	0.34	19.26	1
26.57						
SMC14	C114	0.49	3.06	0.26	11.33	1
14.09						

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Transect Summary
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Transect C100
Area:

0.0007	0.0026	0.0059	0.0106	0.0160	
0.0221	0.0289	0.0363	0.0445	0.0535	
0.0633	0.0739	0.0849	0.0963	0.1084	
0.1218	0.1376	0.1555	0.1742	0.1936	
0.2135	0.2339	0.2548	0.2761	0.2979	
0.3201	0.3428	0.3659	0.3895	0.4134	
0.4378	0.4625	0.4877	0.5133	0.5393	
0.5657	0.5926	0.6201	0.6480	0.6765	
0.7055	0.7350	0.7650	0.7956	0.8267	
0.8583	0.8909	0.9248	0.9606	1.0000	

Hrad:

0.0204	0.0408	0.0612	0.0838	0.1127
0.1399	0.1657	0.1907	0.2114	0.2314
0.2515	0.2783	0.3090	0.3360	0.3527
0.3681	0.3790	0.3454	0.3711	0.4013
0.4315	0.4614	0.4916	0.5213	0.5507
0.5797	0.6087	0.6383	0.6675	0.6965
0.7251	0.7534	0.7815	0.8094	0.8367
0.8626	0.8863	0.9100	0.9335	0.9570
0.9803	1.0035	1.0262	1.0485	1.0708
1.0916	1.0909	1.0916	1.0530	1.0000

Width:

0.0325	0.0650	0.0975	0.1263	0.1424
0.1586	0.1748	0.1909	0.2108	0.2315
0.2522	0.2659	0.2751	0.2868	0.3075
0.3589	0.4202	0.4509	0.4702	0.4832

0.4956 0.5076 0.5189 0.5302 0.5415
0.5528 0.5636 0.5737 0.5838 0.5939
0.6039 0.6140 0.6241 0.6342 0.6445
0.6557 0.6685 0.6812 0.6940 0.7067
0.7194 0.7322 0.7452 0.7585 0.7717
0.7860 0.8165 0.8509 0.9279 1.0000

Transect C101
Area:
0.0010 0.0042 0.0091 0.0150 0.0217
0.0292 0.0372 0.0457 0.0547 0.0642
0.0743 0.0848 0.0958 0.1072 0.1192
0.1315 0.1444 0.1577 0.1714 0.1856
0.2001 0.2149 0.2301 0.2457 0.2617
0.2780 0.2947 0.3118 0.3292 0.3470
0.3652 0.3838 0.4027 0.4227 0.4461
0.4746 0.5042 0.5339 0.5639 0.5947
0.6273 0.6618 0.6985 0.7394 0.7812
0.8237 0.8669 0.9106 0.9550 1.0000
Hrad:
0.0228 0.0456 0.0760 0.1086 0.1390
0.1705 0.2041 0.2364 0.2677 0.2980
0.3276 0.3565 0.3860 0.4150 0.4435
0.4716 0.4992 0.5265 0.5534 0.5845
0.6164 0.6454 0.6742 0.7026 0.7307
0.7586 0.7862 0.8136 0.8408 0.8677
0.8945 0.9211 0.9461 0.9483 0.9238
0.7291 0.7686 0.8077 0.8467 0.8841
0.9183 0.9499 0.9613 0.8062 0.8385
0.8706 0.9033 0.9358 0.9680 1.0000
Width:
0.0462 0.0923 0.1208 0.1387 0.1567
0.1716 0.1826 0.1936 0.2047 0.2157
0.2267 0.2378 0.2479 0.2581 0.2682
0.2784 0.2886 0.2987 0.3089 0.3165
0.3234 0.3316 0.3399 0.3481 0.3563
0.3646 0.3728 0.3810 0.3893 0.3975
0.4057 0.4140 0.4228 0.4703 0.5891
0.6494 0.6544 0.6593 0.6643 0.7003
0.7403 0.7830 0.8510 0.9167 0.9313
0.9459 0.9595 0.9730 0.9865 1.0000

Transect C103
Area:
0.0019 0.0076 0.0153 0.0236 0.0324
0.0418 0.0518 0.0623 0.0733 0.0847
0.0966 0.1088 0.1214 0.1344 0.1478
0.1616 0.1758 0.1904 0.2054 0.2208
0.2366 0.2527 0.2693 0.2863 0.3038
0.3216 0.3399 0.3587 0.3778 0.3974
0.4175 0.4379 0.4588 0.4802 0.5019
0.5241 0.5467 0.5698 0.5937 0.6190
0.6458 0.6754 0.7106 0.7501 0.7902
0.8307 0.8720 0.9140 0.9566 1.0000
Hrad:
0.0219 0.0450 0.0841 0.1210 0.1561
0.1896 0.2219 0.2530 0.2854 0.3187

0.3512 0.3830 0.4142 0.4448 0.4749
0.5046 0.5338 0.5626 0.5910 0.6191
0.6469 0.6744 0.7006 0.7261 0.7514
0.7766 0.8016 0.8264 0.8511 0.8757
0.9001 0.9245 0.9487 0.9729 0.9969
1.0209 1.0447 1.0654 1.0536 1.0382
1.0266 0.9715 0.8843 0.8231 0.8577
0.8879 0.9162 0.9444 0.9723 1.0000

Width:

0.0873 0.1701 0.1828 0.1955 0.2082
0.2209 0.2336 0.2463 0.2570 0.2660
0.2750 0.2841 0.2931 0.3021 0.3112
0.3202 0.3292 0.3382 0.3473 0.3563
0.3653 0.3744 0.3839 0.3938 0.4037
0.4136 0.4235 0.4334 0.4433 0.4532
0.4631 0.4729 0.4828 0.4927 0.5026
0.5125 0.5224 0.5339 0.5626 0.5954
0.6285 0.7360 0.8739 0.9112 0.9211
0.9355 0.9516 0.9677 0.9839 1.0000

Transect C109

Area:

0.0006 0.0025 0.0057 0.0102 0.0159
0.0225 0.0298 0.0377 0.0463 0.0555
0.0653 0.0757 0.0866 0.0982 0.1103
0.1231 0.1364 0.1504 0.1650 0.1804
0.1965 0.2133 0.2308 0.2490 0.2679
0.2876 0.3080 0.3292 0.3511 0.3738
0.3972 0.4215 0.4469 0.4735 0.5012
0.5299 0.5591 0.5887 0.6187 0.6494
0.6809 0.7133 0.7466 0.7806 0.8153
0.8508 0.8870 0.9239 0.9616 1.0000

Hrad:

0.0183 0.0367 0.0550 0.0733 0.0939
0.1190 0.1429 0.1666 0.1909 0.2144
0.2373 0.2597 0.2817 0.3032 0.3245
0.3455 0.3663 0.3857 0.4026 0.4196
0.4367 0.4546 0.4728 0.4909 0.5091
0.5256 0.5423 0.5591 0.5760 0.5930
0.6101 0.6220 0.6294 0.6378 0.6471
0.6700 0.6965 0.7229 0.7489 0.7743
0.7986 0.8173 0.8404 0.8643 0.8878
0.9109 0.9337 0.9561 0.9782 1.0000

Width:

0.0329 0.0658 0.0986 0.1315 0.1601
0.1785 0.1968 0.2140 0.2293 0.2446
0.2598 0.2751 0.2904 0.3057 0.3210
0.3363 0.3516 0.3680 0.3869 0.4057
0.4246 0.4428 0.4608 0.4788 0.4968
0.5164 0.5360 0.5556 0.5752 0.5948
0.6144 0.6396 0.6701 0.7006 0.7311
0.7465 0.7576 0.7686 0.7826 0.8021
0.8220 0.8471 0.8673 0.8863 0.9052
0.9242 0.9431 0.9621 0.9810 1.0000

Transect C113

Area:

0.0010 0.0035 0.0067 0.0107 0.0154
0.0208 0.0270 0.0339 0.0415 0.0500
0.0592 0.0690 0.0793 0.0902 0.1016
0.1136 0.1261 0.1392 0.1528 0.1670
0.1818 0.1971 0.2140 0.2342 0.2555
0.2776 0.3006 0.3244 0.3489 0.3737
0.3987 0.4240 0.4498 0.4761 0.5030
0.5307 0.5593 0.5902 0.6216 0.6534
0.6857 0.7184 0.7516 0.7854 0.8198
0.8548 0.8904 0.9264 0.9630 1.0000

Hrad:

0.0189 0.0455 0.0703 0.0931 0.1147
0.1361 0.1560 0.1751 0.1941 0.2131
0.2342 0.2585 0.2818 0.3048 0.3273
0.3495 0.3713 0.3925 0.4135 0.4343
0.4550 0.4694 0.4639 0.4241 0.4433
0.4635 0.4840 0.5044 0.5326 0.5652
0.5975 0.6224 0.6468 0.6709 0.6926
0.7057 0.7034 0.7077 0.7348 0.7617
0.7884 0.8138 0.8358 0.8576 0.8793
0.9025 0.9255 0.9484 0.9729 1.0000

Width:

0.0524 0.0777 0.0972 0.1167 0.1363
0.1553 0.1753 0.1962 0.2171 0.2380
0.2565 0.2708 0.2854 0.3001 0.3148
0.3295 0.3443 0.3594 0.3746 0.3897
0.4049 0.4256 0.5056 0.5599 0.5843
0.6073 0.6297 0.6521 0.6638 0.6693
0.6747 0.6882 0.7020 0.7158 0.7320
0.7575 0.8007 0.8395 0.8509 0.8623
0.8737 0.8862 0.9024 0.9186 0.9347
0.9491 0.9635 0.9779 0.9903 1.0000

Transect C114

Area:

0.0028 0.0095 0.0168 0.0246 0.0327
0.0413 0.0503 0.0598 0.0697 0.0800
0.0908 0.1020 0.1136 0.1257 0.1382
0.1515 0.1655 0.1802 0.1956 0.2117
0.2285 0.2465 0.2659 0.2864 0.3077
0.3295 0.3518 0.3747 0.3980 0.4219
0.4463 0.4712 0.4966 0.5224 0.5484
0.5748 0.6016 0.6288 0.6563 0.6842
0.7125 0.7411 0.7701 0.8000 0.8308
0.8627 0.8955 0.9293 0.9641 1.0000

Hrad:

0.0187 0.0502 0.0835 0.1151 0.1454
0.1745 0.2025 0.2298 0.2562 0.2820
0.3073 0.3320 0.3562 0.3801 0.3973
0.4129 0.4288 0.4448 0.4610 0.4775
0.4892 0.4907 0.4944 0.5067 0.5310
0.5550 0.5788 0.6024 0.6257 0.6488
0.6718 0.6945 0.7209 0.7480 0.7734
0.7986 0.8235 0.8482 0.8727 0.8970
0.9211 0.9449 0.9631 0.9670 0.9718
0.9775 0.9847 0.9926 1.0010 1.0000

Width:

0.1519 0.1934 0.2052 0.2171 0.2289
0.2407 0.2526 0.2644 0.2762 0.2881
0.2999 0.3118 0.3236 0.3354 0.3529
0.3722 0.3915 0.4109 0.4303 0.4497
0.4740 0.5099 0.5457 0.5738 0.5881
0.6024 0.6167 0.6310 0.6454 0.6597
0.6740 0.6883 0.6982 0.7068 0.7169
0.7269 0.7370 0.7470 0.7570 0.7671
0.7771 0.7872 0.8019 0.8293 0.8566
0.8838 0.9103 0.9368 0.9633 1.0000

Transect C116
Area:
0.0004 0.0017 0.0038 0.0068 0.0106
0.0149 0.0198 0.0254 0.0315 0.0382
0.0455 0.0532 0.0614 0.0698 0.0786
0.0876 0.0970 0.1066 0.1165 0.1267
0.1372 0.1480 0.1591 0.1705 0.1841
0.1992 0.2151 0.2317 0.2491 0.2673
0.2883 0.3124 0.3384 0.3665 0.3964
0.4283 0.4617 0.4958 0.5307 0.5663
0.6042 0.6444 0.6858 0.7279 0.7708
0.8146 0.8593 0.9048 0.9514 1.0000
Hrad:
0.0248 0.0495 0.0743 0.0991 0.1297
0.1595 0.1881 0.2160 0.2433 0.2701
0.2966 0.3310 0.3650 0.4011 0.4365
0.4711 0.5052 0.5386 0.5715 0.6040
0.6360 0.6676 0.6988 0.7297 0.7500
0.7665 0.7840 0.8020 0.8149 0.8228
0.8252 0.8245 0.8203 0.8165 0.8151
0.8160 0.6861 0.7192 0.7519 0.7843
0.7543 0.7812 0.8100 0.8455 0.8790
0.9122 0.9452 0.9779 0.9917 1.0000
Width:
0.0172 0.0345 0.0517 0.0690 0.0815
0.0935 0.1054 0.1173 0.1292 0.1412
0.1531 0.1606 0.1679 0.1738 0.1796
0.1855 0.1914 0.1973 0.2032 0.2091
0.2150 0.2209 0.2267 0.2326 0.2994
0.3137 0.3280 0.3423 0.3586 0.3769
0.4660 0.5055 0.5464 0.5853 0.6242
0.6631 0.6811 0.6963 0.7115 0.7267
0.8000 0.8228 0.8436 0.8582 0.8753
0.8925 0.9097 0.9268 0.9605 1.0000

Transect C16
Area:
0.0011 0.0048 0.0125 0.0220 0.0320
0.0425 0.0534 0.0649 0.0769 0.0894
0.1028 0.1169 0.1318 0.1475 0.1640
0.1815 0.2000 0.2192 0.2391 0.2596
0.2807 0.3024 0.3248 0.3477 0.3708
0.3941 0.4175 0.4412 0.4650 0.4890
0.5132 0.5375 0.5619 0.5865 0.6113
0.6362 0.6612 0.6864 0.7117 0.7372
0.7628 0.7885 0.8144 0.8405 0.8667

0.8930 0.9195 0.9461 0.9728 1.0000

Hrad:

0.0139 0.0261 0.0378 0.0631 0.0872
0.1105 0.1329 0.1546 0.1757 0.1924
0.2086 0.2246 0.2404 0.2551 0.2682
0.2816 0.2950 0.3120 0.3301 0.3479
0.3654 0.3828 0.4000 0.4208 0.4450
0.4691 0.4930 0.5167 0.5403 0.5636
0.5874 0.6113 0.6350 0.6586 0.6821
0.7054 0.7286 0.7516 0.7746 0.7974
0.8201 0.8426 0.8651 0.8874 0.9096
0.9317 0.9537 0.9756 0.9973 1.0000

Width:

0.0802 0.2058 0.3363 0.3541 0.3719
0.3898 0.4076 0.4254 0.4433 0.4711
0.4992 0.5274 0.5555 0.5857 0.6198
0.6534 0.6868 0.7120 0.7342 0.7563
0.7785 0.8006 0.8228 0.8370 0.8435
0.8499 0.8564 0.8629 0.8694 0.8759
0.8815 0.8867 0.8919 0.8971 0.9024
0.9076 0.9128 0.9180 0.9233 0.9285
0.9337 0.9389 0.9442 0.9494 0.9546
0.9598 0.9651 0.9703 0.9756 1.0000

Transect C25

Area:

0.0069 0.0156 0.0246 0.0340 0.0439
0.0541 0.0648 0.0759 0.0874 0.0993
0.1116 0.1243 0.1374 0.1510 0.1649
0.1793 0.1941 0.2093 0.2249 0.2409
0.2573 0.2742 0.2915 0.3093 0.3278
0.3468 0.3664 0.3866 0.4074 0.4288
0.4508 0.4733 0.4965 0.5203 0.5447
0.5698 0.5955 0.6220 0.6491 0.6770
0.7055 0.7347 0.7646 0.7952 0.8265
0.8584 0.8915 0.9261 0.9623 1.0000

Hrad:

0.0316 0.0675 0.1019 0.1350 0.1670
0.1979 0.2280 0.2573 0.2858 0.3137
0.3410 0.3678 0.3942 0.4201 0.4456
0.4707 0.4955 0.5199 0.5438 0.5675
0.5910 0.6142 0.6359 0.6527 0.6696
0.6867 0.7039 0.7212 0.7386 0.7561
0.7737 0.7914 0.8091 0.8269 0.8422
0.8571 0.8723 0.8876 0.9032 0.9189
0.9348 0.9508 0.9670 0.9833 0.9997
1.0139 1.0082 1.0004 0.9949 1.0000

Width:

0.2198 0.2306 0.2413 0.2521 0.2628
0.2735 0.2843 0.2950 0.3057 0.3165
0.3272 0.3379 0.3487 0.3594 0.3702
0.3809 0.3916 0.4025 0.4135 0.4244
0.4354 0.4464 0.4583 0.4738 0.4893
0.5049 0.5204 0.5359 0.5514 0.5669
0.5825 0.5980 0.6135 0.6290 0.6466
0.6646 0.6826 0.7006 0.7186 0.7366
0.7546 0.7726 0.7906 0.8086 0.8266

0.8465 0.8842 0.9257 0.9672 1.0000

Transect C36
Area:
0.0014 0.0049 0.0097 0.0158 0.0227
0.0302 0.0381 0.0468 0.0582 0.0717
0.0868 0.1026 0.1188 0.1354 0.1525
0.1701 0.1881 0.2066 0.2255 0.2449
0.2648 0.2851 0.3058 0.3269 0.3484
0.3704 0.3927 0.4155 0.4386 0.4621
0.4860 0.5102 0.5348 0.5598 0.5851
0.6108 0.6368 0.6631 0.6898 0.7167
0.7440 0.7716 0.7995 0.8277 0.8562
0.8848 0.9134 0.9422 0.9710 1.0000
Hrad:
0.0147 0.0345 0.0517 0.0685 0.0918
0.1144 0.1360 0.1552 0.1673 0.1780
0.1624 0.1864 0.2100 0.2330 0.2554
0.2773 0.2989 0.3201 0.3410 0.3616
0.3827 0.4037 0.4244 0.4448 0.4650
0.4851 0.5049 0.5253 0.5458 0.5661
0.5863 0.6063 0.6261 0.6457 0.6653
0.6850 0.7056 0.7261 0.7464 0.7665
0.7866 0.8065 0.8263 0.8460 0.8710
0.8969 0.9228 0.9486 0.9744 1.0000
Width:
0.0973 0.1425 0.1877 0.2305 0.2479
0.2639 0.2799 0.3451 0.4309 0.4991
0.5350 0.5505 0.5659 0.5813 0.5973
0.6134 0.6294 0.6455 0.6615 0.6776
0.6921 0.7064 0.7208 0.7351 0.7494
0.7637 0.7780 0.7911 0.8038 0.8164
0.8290 0.8417 0.8543 0.8669 0.8796
0.8917 0.9026 0.9134 0.9243 0.9351
0.9460 0.9568 0.9677 0.9785 0.9831
0.9865 0.9898 0.9932 0.9966 1.0000

Transect C50
Area:
0.0020 0.0078 0.0169 0.0267 0.0369
0.0476 0.0587 0.0703 0.0824 0.0950
0.1080 0.1215 0.1354 0.1498 0.1647
0.1800 0.1958 0.2120 0.2288 0.2460
0.2636 0.2818 0.3005 0.3196 0.3393
0.3595 0.3802 0.4013 0.4230 0.4452
0.4678 0.4910 0.5147 0.5388 0.5635
0.5887 0.6144 0.6408 0.6678 0.6952
0.7230 0.7513 0.7799 0.8090 0.8385
0.8684 0.8988 0.9308 0.9647 1.0000
Hrad:
0.0181 0.0362 0.0642 0.0966 0.1277
0.1576 0.1866 0.2147 0.2420 0.2687
0.2947 0.3202 0.3452 0.3698 0.3940
0.4177 0.4412 0.4643 0.4870 0.5092
0.5311 0.5523 0.5733 0.5941 0.6148
0.6354 0.6558 0.6762 0.6964 0.7165
0.7365 0.7565 0.7764 0.7961 0.8159

0.8355 0.8507 0.8652 0.8845 0.9062
0.9278 0.9492 0.9705 0.9917 1.0127
1.0336 1.0387 1.0111 0.9916 1.0000

Width:

0.1094 0.2187 0.2663 0.2792 0.2922
0.3052 0.3181 0.3311 0.3441 0.3571
0.3700 0.3830 0.3960 0.4089 0.4219
0.4349 0.4478 0.4608 0.4739 0.4873
0.5008 0.5147 0.5287 0.5426 0.5566
0.5706 0.5846 0.5985 0.6125 0.6265
0.6404 0.6544 0.6684 0.6823 0.6963
0.7103 0.7280 0.7466 0.7606 0.7722
0.7837 0.7952 0.8067 0.8182 0.8298
0.8413 0.8659 0.9211 0.9733 1.0000

Transect C57

Area:

0.0025 0.0100 0.0195 0.0296 0.0402
0.0514 0.0631 0.0753 0.0881 0.1014
0.1153 0.1297 0.1446 0.1601 0.1761
0.1927 0.2098 0.2274 0.2455 0.2641
0.2831 0.3023 0.3218 0.3416 0.3617
0.3821 0.4027 0.4237 0.4449 0.4665
0.4883 0.5105 0.5332 0.5562 0.5797
0.6036 0.6279 0.6526 0.6778 0.7033
0.7293 0.7559 0.7835 0.8121 0.8417
0.8722 0.9033 0.9350 0.9672 1.0000

Hrad:

0.0169 0.0365 0.0673 0.0967 0.1247
0.1518 0.1778 0.2031 0.2277 0.2516
0.2751 0.2980 0.3205 0.3426 0.3643
0.3861 0.4078 0.4293 0.4506 0.4738
0.4995 0.5249 0.5499 0.5747 0.5992
0.6234 0.6474 0.6711 0.6946 0.7179
0.7395 0.7582 0.7768 0.7953 0.8138
0.8321 0.8504 0.8685 0.8867 0.9047
0.9227 0.9240 0.9240 0.9252 0.9273
0.9359 0.9519 0.9679 0.9840 1.0000

Width:

0.1525 0.2798 0.2962 0.3127 0.3291
0.3455 0.3619 0.3783 0.3947 0.4111
0.4275 0.4439 0.4603 0.4767 0.4932
0.5091 0.5246 0.5402 0.5557 0.5682
0.5769 0.5857 0.5944 0.6032 0.6119
0.6207 0.6294 0.6382 0.6469 0.6556
0.6658 0.6784 0.6910 0.7036 0.7162
0.7288 0.7415 0.7541 0.7667 0.7793
0.7919 0.8195 0.8493 0.8792 0.9090
0.9331 0.9498 0.9665 0.9833 1.0000

Transect C70

Area:

0.0002 0.0007 0.0015 0.0027 0.0051
0.0099 0.0173 0.0278 0.0433 0.0599
0.0768 0.0939 0.1114 0.1291 0.1472
0.1657 0.1846 0.2038 0.2233 0.2431
0.2632 0.2836 0.3044 0.3256 0.3471

0.3690 0.3911 0.4135 0.4363 0.4593
0.4826 0.5063 0.5303 0.5546 0.5793
0.6045 0.6303 0.6571 0.6846 0.7124
0.7404 0.7685 0.7968 0.8253 0.8540
0.8828 0.9118 0.9409 0.9702 1.0000

Hrad:

0.0153 0.0305 0.0458 0.0610 0.0635
0.0641 0.0718 0.0807 0.0801 0.1091
0.1376 0.1656 0.1927 0.2194 0.2442
0.2682 0.2940 0.3194 0.3446 0.3697
0.3945 0.4163 0.4378 0.4607 0.4833
0.5066 0.5298 0.5526 0.5750 0.5972
0.6188 0.6401 0.6609 0.6812 0.6990
0.7134 0.7278 0.7253 0.7441 0.7684
0.7932 0.8177 0.8422 0.8671 0.8920
0.9168 0.9414 0.9660 0.9835 1.0000

Width:

0.0114 0.0229 0.0343 0.0457 0.1145
0.2010 0.2939 0.4215 0.5507 0.5591
0.5676 0.5763 0.5866 0.5969 0.6111
0.6262 0.6360 0.6459 0.6555 0.6647
0.6740 0.6879 0.7018 0.7131 0.7243
0.7341 0.7438 0.7536 0.7637 0.7738
0.7845 0.7952 0.8064 0.8180 0.8324
0.8510 0.8695 0.9098 0.9238 0.9304
0.9364 0.9424 0.9484 0.9538 0.9589
0.9641 0.9692 0.9744 0.9867 1.0000

Transect C72

Area:

0.0004 0.0015 0.0034 0.0060 0.0094
0.0135 0.0184 0.0244 0.0330 0.0429
0.0541 0.0665 0.0801 0.0947 0.1101
0.1260 0.1424 0.1594 0.1769 0.1950
0.2135 0.2325 0.2518 0.2716 0.2917
0.3122 0.3331 0.3544 0.3761 0.3986
0.4223 0.4474 0.4739 0.5016 0.5302
0.5595 0.5892 0.6191 0.6493 0.6798
0.7105 0.7415 0.7727 0.8042 0.8360
0.8681 0.9005 0.9333 0.9664 1.0000

Hrad:

0.0170 0.0340 0.0510 0.0680 0.0850
0.1020 0.1190 0.1122 0.1207 0.1384
0.1560 0.1739 0.1934 0.2129 0.2390
0.2646 0.2896 0.3141 0.3381 0.3617
0.3871 0.4128 0.4382 0.4632 0.4879
0.5124 0.5365 0.5604 0.5797 0.5871
0.5881 0.5892 0.5949 0.6017 0.6215
0.6428 0.6706 0.6983 0.7257 0.7530
0.7800 0.8069 0.8335 0.8600 0.8863
0.9103 0.9329 0.9554 0.9778 1.0000

Width:

0.0223 0.0446 0.0669 0.0892 0.1115
0.1338 0.1560 0.2193 0.2756 0.3125
0.3494 0.3854 0.4171 0.4481 0.4639
0.4797 0.4955 0.5113 0.5271 0.5429
0.5556 0.5672 0.5788 0.5903 0.6019

0.6135 0.6251 0.6366 0.6532 0.6836
0.7230 0.7647 0.8021 0.8394 0.8587
0.8757 0.8834 0.8911 0.8988 0.9065
0.9142 0.9219 0.9296 0.9373 0.9450
0.9550 0.9663 0.9775 0.9888 1.0000

Transect C80
Area:
0.0012 0.0046 0.0105 0.0182 0.0264
0.0351 0.0441 0.0536 0.0635 0.0739
0.0846 0.0958 0.1074 0.1193 0.1318
0.1446 0.1578 0.1713 0.1853 0.1997
0.2144 0.2296 0.2451 0.2610 0.2774
0.2943 0.3115 0.3293 0.3474 0.3660
0.3851 0.4045 0.4246 0.4452 0.4663
0.4881 0.5103 0.5333 0.5573 0.5824
0.6085 0.6378 0.6779 0.7213 0.7656
0.8106 0.8565 0.9033 0.9512 1.0000
Hrad:
0.0248 0.0497 0.0745 0.1123 0.1550
0.1959 0.2352 0.2732 0.3100 0.3459
0.3808 0.4149 0.4483 0.4810 0.5134
0.5462 0.5785 0.6103 0.6416 0.6726
0.7032 0.7334 0.7623 0.7897 0.8168
0.8438 0.8707 0.8974 0.9241 0.9506
0.9770 1.0011 1.0214 1.0420 1.0628
1.0837 1.1049 1.1126 1.1112 1.1120
1.1148 0.8397 0.7821 0.8106 0.8453
0.8796 0.9116 0.9413 0.9707 1.0000
Width:
0.0471 0.0942 0.1413 0.1628 0.1712
0.1797 0.1881 0.1966 0.2050 0.2135
0.2220 0.2304 0.2389 0.2473 0.2556
0.2635 0.2713 0.2792 0.2870 0.2949
0.3027 0.3106 0.3189 0.3278 0.3367
0.3457 0.3546 0.3635 0.3724 0.3814
0.3903 0.4001 0.4116 0.4231 0.4345
0.4460 0.4575 0.4749 0.4972 0.5195
0.5418 0.7575 0.8656 0.8889 0.9049
0.9209 0.9390 0.9593 0.9797 1.0000

Transect C81
Area:
0.0005 0.0021 0.0047 0.0084 0.0132
0.0190 0.0258 0.0337 0.0427 0.0527
0.0637 0.0759 0.0890 0.1031 0.1180
0.1336 0.1499 0.1671 0.1851 0.2038
0.2233 0.2435 0.2646 0.2864 0.3090
0.3323 0.3561 0.3801 0.4044 0.4290
0.4538 0.4789 0.5043 0.5300 0.5560
0.5822 0.6087 0.6354 0.6625 0.6898
0.7174 0.7453 0.7735 0.8022 0.8316
0.8621 0.8942 0.9278 0.9631 1.0000
Hrad:
0.0190 0.0380 0.0570 0.0760 0.0950
0.1139 0.1329 0.1519 0.1709 0.1899
0.2089 0.2279 0.2469 0.2711 0.2943

0.3171 0.3395 0.3616 0.3835 0.4051
0.4265 0.4477 0.4688 0.4897 0.5105
0.5346 0.5659 0.5969 0.6276 0.6580
0.6882 0.7181 0.7477 0.7770 0.8061
0.8350 0.8637 0.8921 0.9203 0.9483
0.9761 1.0037 1.0245 1.0396 1.0549
1.0696 1.0829 1.0950 1.1063 1.0000

Width:

0.0280 0.0559 0.0839 0.1118 0.1398
0.1677 0.1957 0.2236 0.2516 0.2795
0.3075 0.3355 0.3634 0.3832 0.4039
0.4245 0.4451 0.4657 0.4863 0.5069
0.5275 0.5481 0.5687 0.5893 0.6099
0.6264 0.6337 0.6409 0.6482 0.6555
0.6628 0.6701 0.6774 0.6847 0.6920
0.6993 0.7066 0.7138 0.7211 0.7284
0.7357 0.7430 0.7553 0.7718 0.7883
0.8295 0.8721 0.9148 0.9574 1.0000

Transect C85

Area:

0.0026 0.0095 0.0171 0.0249 0.0332
0.0417 0.0505 0.0597 0.0692 0.0790
0.0892 0.0996 0.1104 0.1215 0.1329
0.1447 0.1568 0.1692 0.1819 0.1949
0.2083 0.2221 0.2362 0.2507 0.2655
0.2807 0.2962 0.3122 0.3287 0.3457
0.3631 0.3809 0.3993 0.4181 0.4374
0.4574 0.4784 0.5006 0.5237 0.5484
0.5764 0.6084 0.6480 0.6914 0.7376
0.7866 0.8375 0.8904 0.9448 1.0000

Hrad:

0.0280 0.0717 0.1233 0.1728 0.2206
0.2668 0.3115 0.3551 0.3974 0.4388
0.4792 0.5188 0.5576 0.5958 0.6333
0.6702 0.7066 0.7425 0.7779 0.8111
0.8439 0.8764 0.9086 0.9406 0.9724
1.0039 1.0315 1.0560 1.0807 1.1055
1.1305 1.1556 1.1809 1.2062 1.2316
1.2253 1.2197 1.2172 1.2174 1.1584
1.0671 1.0067 0.8601 0.8570 0.8597
0.8749 0.8963 0.9182 0.9586 1.0000

Width:

0.0937 0.1334 0.1391 0.1449 0.1507
0.1565 0.1623 0.1681 0.1739 0.1797
0.1855 0.1913 0.1971 0.2029 0.2087
0.2144 0.2202 0.2260 0.2318 0.2382
0.2446 0.2510 0.2574 0.2638 0.2702
0.2766 0.2840 0.2925 0.3009 0.3093
0.3177 0.3261 0.3345 0.3430 0.3514
0.3696 0.3887 0.4077 0.4268 0.4703
0.5376 0.6453 0.7529 0.8068 0.8584
0.8998 0.9354 0.9711 0.9864 1.0000

Transect C87

Area:

0.0010 0.0041 0.0092 0.0158 0.0235

0.0324 0.0423 0.0531 0.0650 0.0778
0.0915 0.1060 0.1212 0.1372 0.1540
0.1712 0.1889 0.2070 0.2254 0.2444
0.2637 0.2834 0.3036 0.3241 0.3451
0.3664 0.3882 0.4102 0.4327 0.4555
0.4787 0.5022 0.5261 0.5504 0.5750
0.6001 0.6256 0.6514 0.6777 0.7044
0.7316 0.7593 0.7874 0.8160 0.8452
0.8749 0.9052 0.9361 0.9677 1.0000

Hrad:

0.0163 0.0327 0.0511 0.0723 0.0921
0.1125 0.1330 0.1527 0.1720 0.1915
0.2126 0.2331 0.2532 0.2730 0.2956
0.3207 0.3454 0.3697 0.3936 0.4173
0.4408 0.4642 0.4874 0.5103 0.5329
0.5554 0.5786 0.6017 0.6245 0.6472
0.6696 0.6919 0.7132 0.7342 0.7551
0.7758 0.7964 0.8165 0.8348 0.8530
0.8711 0.8892 0.9065 0.9218 0.9372
0.9527 0.9672 0.9779 0.9888 1.0000

Width:

0.0631 0.1263 0.1811 0.2180 0.2550
0.2880 0.3181 0.3481 0.3782 0.4066
0.4307 0.4547 0.4788 0.5028 0.5210
0.5341 0.5470 0.5599 0.5728 0.5857
0.5983 0.6106 0.6230 0.6353 0.6476
0.6599 0.6709 0.6819 0.6928 0.7038
0.7148 0.7258 0.7376 0.7496 0.7615
0.7735 0.7854 0.7977 0.8117 0.8257
0.8398 0.8538 0.8685 0.8851 0.9017
0.9183 0.9358 0.9572 0.9786 1.0000

Transect C89

Area:

0.0005 0.0018 0.0041 0.0073 0.0114
0.0171 0.0254 0.0350 0.0458 0.0576
0.0703 0.0839 0.0984 0.1138 0.1303
0.1477 0.1657 0.1841 0.2031 0.2225
0.2422 0.2623 0.2828 0.3037 0.3249
0.3465 0.3685 0.3909 0.4136 0.4368
0.4603 0.4842 0.5086 0.5335 0.5588
0.5846 0.6108 0.6375 0.6646 0.6922
0.7202 0.7487 0.7777 0.8074 0.8376
0.8685 0.9001 0.9324 0.9655 1.0000

Hrad:

0.0176 0.0352 0.0528 0.0703 0.0882
0.0784 0.1002 0.1209 0.1424 0.1656
0.1881 0.2099 0.2312 0.2515 0.2703
0.2933 0.3201 0.3464 0.3723 0.3999
0.4274 0.4545 0.4813 0.5077 0.5339
0.5594 0.5845 0.6094 0.6340 0.6584
0.6826 0.7048 0.7265 0.7480 0.7693
0.7906 0.8122 0.8337 0.8552 0.8765
0.8977 0.9154 0.9317 0.9481 0.9645
0.9781 0.9914 1.0049 1.0056 1.0000

Width:

0.0259 0.0517 0.0776 0.1034 0.1288

0.2185 0.2541 0.2897 0.3217 0.3477
0.3737 0.3997 0.4257 0.4528 0.4821
0.5037 0.5176 0.5316 0.5455 0.5563
0.5667 0.5772 0.5876 0.5981 0.6085
0.6194 0.6303 0.6413 0.6523 0.6632
0.6742 0.6869 0.7000 0.7131 0.7262
0.7393 0.7519 0.7645 0.7770 0.7895
0.8021 0.8177 0.8345 0.8514 0.8683
0.8878 0.9078 0.9277 0.9601 1.0000

Transect C91
Area:
0.0066 0.0151 0.0241 0.0337 0.0438
0.0545 0.0658 0.0776 0.0899 0.1028
0.1163 0.1303 0.1448 0.1599 0.1756
0.1918 0.2084 0.2254 0.2426 0.2603
0.2782 0.2965 0.3151 0.3340 0.3532
0.3729 0.3930 0.4135 0.4345 0.4559
0.4778 0.5001 0.5229 0.5461 0.5699
0.5942 0.6190 0.6443 0.6702 0.6967
0.7237 0.7513 0.7795 0.8084 0.8380
0.8682 0.8990 0.9311 0.9647 1.0000
Hrad:
0.0311 0.0668 0.1004 0.1324 0.1629
0.1923 0.2207 0.2482 0.2750 0.3010
0.3266 0.3516 0.3761 0.3997 0.4228
0.4476 0.4750 0.5018 0.5281 0.5540
0.5795 0.6046 0.6293 0.6536 0.6776
0.6978 0.7176 0.7372 0.7568 0.7762
0.7955 0.8147 0.8338 0.8520 0.8679
0.8838 0.8998 0.9159 0.9320 0.9482
0.9642 0.9768 0.9896 1.0027 1.0160
1.0295 1.0399 1.0279 1.0185 1.0000
Width:
0.2260 0.2411 0.2562 0.2713 0.2864
0.3015 0.3166 0.3318 0.3469 0.3620
0.3771 0.3922 0.4073 0.4230 0.4390
0.4521 0.4612 0.4703 0.4794 0.4885
0.4976 0.5067 0.5158 0.5249 0.5340
0.5461 0.5584 0.5707 0.5830 0.5953
0.6076 0.6199 0.6322 0.6451 0.6600
0.6748 0.6897 0.7045 0.7194 0.7343
0.7493 0.7673 0.7853 0.8033 0.8213
0.8394 0.8602 0.9027 0.9452 1.0000

Transect C93
Area:
0.0014 0.0055 0.0109 0.0174 0.0246
0.0322 0.0402 0.0486 0.0574 0.0666
0.0763 0.0863 0.0968 0.1076 0.1189
0.1306 0.1427 0.1552 0.1682 0.1816
0.1955 0.2098 0.2245 0.2397 0.2555
0.2717 0.2883 0.3055 0.3234 0.3422
0.3619 0.3826 0.4043 0.4283 0.4544
0.4819 0.5110 0.5424 0.5766 0.6116
0.6471 0.6830 0.7195 0.7565 0.7941
0.8321 0.8708 0.9107 0.9519 1.0000

Hrad:

0.0261	0.0570	0.0955	0.1305	0.1729
0.2141	0.2537	0.2919	0.3289	0.3648
0.3999	0.4342	0.4678	0.5007	0.5331
0.5651	0.5965	0.6258	0.6549	0.6838
0.7124	0.7409	0.7691	0.7961	0.8217
0.8473	0.8729	0.8985	0.9069	0.9123
0.9196	0.9286	0.9157	0.8737	0.8736
0.8781	0.8738	0.8563	0.8515	0.8971
0.9355	0.9736	1.0113	1.0487	1.0857
1.1225	1.1449	1.1607	1.1658	1.0000

Width:

0.0504	0.0908	0.1084	0.1259	0.1341
0.1415	0.1490	0.1564	0.1638	0.1713
0.1787	0.1862	0.1936	0.2010	0.2085
0.2159	0.2234	0.2315	0.2396	0.2477
0.2558	0.2640	0.2721	0.2806	0.2897
0.2987	0.3077	0.3168	0.3323	0.3497
0.3670	0.3844	0.4123	0.4583	0.4865
0.5136	0.5476	0.5936	0.6349	0.6392
0.6485	0.6579	0.6672	0.6766	0.6860
0.6953	0.7136	0.7364	0.7666	1.0000

Transect C95

Area:

0.0009	0.0035	0.0080	0.0142	0.0222
0.0317	0.0418	0.0525	0.0636	0.0752
0.0873	0.0999	0.1128	0.1260	0.1396
0.1535	0.1677	0.1823	0.1971	0.2123
0.2279	0.2438	0.2600	0.2765	0.2934
0.3106	0.3281	0.3459	0.3641	0.3826
0.4015	0.4209	0.4409	0.4616	0.4830
0.5052	0.5282	0.5519	0.5764	0.6017
0.6294	0.6601	0.6934	0.7290	0.7667
0.8074	0.8517	0.8992	0.9488	1.0000

Hrad:

0.0262	0.0524	0.0785	0.1047	0.1309
0.1680	0.2109	0.2522	0.2921	0.3308
0.3684	0.4086	0.4494	0.4893	0.5286
0.5672	0.6051	0.6425	0.6793	0.7156
0.7515	0.7868	0.8218	0.8564	0.8906
0.9244	0.9580	0.9912	1.0241	1.0568
1.0828	1.1010	1.1197	1.1319	1.1431
1.1554	1.1686	1.1826	1.1973	1.1899
1.1149	1.0695	1.0405	1.0343	1.0216
0.9852	0.9639	0.9601	0.9798	1.0000

Width:

0.0341	0.0682	0.1023	0.1364	0.1704
0.1898	0.1993	0.2088	0.2183	0.2279
0.2374	0.2447	0.2510	0.2573	0.2637
0.2700	0.2764	0.2827	0.2890	0.2954
0.3017	0.3080	0.3144	0.3207	0.3271
0.3334	0.3397	0.3461	0.3524	0.3588
0.3673	0.3788	0.3902	0.4042	0.4189
0.4337	0.4484	0.4631	0.4778	0.5022
0.5615	0.6144	0.6639	0.7025	0.7485
0.8181	0.8827	0.9361	0.9681	1.0000

Transect C96

Area:

0.0005	0.0020	0.0045	0.0080	0.0126
0.0179	0.0236	0.0296	0.0360	0.0426
0.0496	0.0569	0.0645	0.0724	0.0807
0.0940	0.1107	0.1319	0.1535	0.1755
0.1979	0.2206	0.2438	0.2673	0.2914
0.3159	0.3408	0.3661	0.3916	0.4175
0.4438	0.4703	0.4972	0.5244	0.5519
0.5798	0.6080	0.6365	0.6652	0.6943
0.7237	0.7533	0.7832	0.8134	0.8439
0.8746	0.9056	0.9368	0.9683	1.0000

Hrad:

0.0160	0.0319	0.0479	0.0639	0.0798
0.1030	0.1284	0.1527	0.1762	0.1989
0.2210	0.2425	0.2636	0.2842	0.3038
0.3043	0.2334	0.1960	0.2243	0.2522
0.2798	0.3069	0.3325	0.3576	0.3824
0.4069	0.4332	0.4592	0.4850	0.5105
0.5357	0.5609	0.5858	0.6105	0.6350
0.6594	0.6836	0.7084	0.7330	0.7574
0.7816	0.8057	0.8296	0.8544	0.8790
0.9035	0.9278	0.9520	0.9761	1.0000

Width:

0.0315	0.0631	0.0946	0.1262	0.1577
0.1742	0.1841	0.1940	0.2039	0.2138
0.2237	0.2336	0.2435	0.2534	0.3065
0.4567	0.6405	0.6734	0.6848	0.6962
0.7077	0.7191	0.7333	0.7479	0.7625
0.7768	0.7872	0.7976	0.8079	0.8183
0.8287	0.8389	0.8491	0.8593	0.8695
0.8797	0.8897	0.8988	0.9079	0.9171
0.9262	0.9353	0.9444	0.9523	0.9603
0.9682	0.9762	0.9841	0.9921	1.0000

Transect C99

Area:

0.0003	0.0013	0.0030	0.0053	0.0082
0.0117	0.0157	0.0202	0.0253	0.0308
0.0370	0.0439	0.0516	0.0601	0.0690
0.0783	0.0881	0.0983	0.1089	0.1199
0.1360	0.1539	0.1732	0.1942	0.2187
0.2444	0.2705	0.2970	0.3239	0.3512
0.3790	0.4073	0.4361	0.4655	0.4955
0.5262	0.5576	0.5897	0.6221	0.6549
0.6880	0.7214	0.7551	0.7891	0.8235
0.8581	0.8931	0.9284	0.9641	1.0000

Hrad:

0.0180	0.0360	0.0540	0.0720	0.0922
0.1126	0.1324	0.1518	0.1709	0.1902
0.2042	0.2156	0.2284	0.2485	0.2719
0.2948	0.3173	0.3394	0.3611	0.3825
0.3866	0.3920	0.3998	0.3804	0.3081
0.3404	0.3723	0.4019	0.4309	0.4597
0.4881	0.5148	0.5404	0.5657	0.5903
0.6123	0.6342	0.6594	0.6890	0.7183

```
            0.7474     0.7763     0.8050     0.8335     0.8617
            0.8897     0.9176     0.9452     0.9727     1.0000
Width:
            0.0183     0.0366     0.0548     0.0731     0.0889
            0.1035     0.1181     0.1327     0.1473     0.1615
            0.1804     0.2028     0.2252     0.2409     0.2526
            0.2644     0.2762     0.2880     0.2998     0.3325
            0.4767     0.5157     0.5519     0.6187     0.7095
            0.7178     0.7262     0.7386     0.7511     0.7637
            0.7762     0.7909     0.8068     0.8228     0.8395
            0.8594     0.8794     0.8944     0.9031     0.9119
            0.9206     0.9293     0.9380     0.9468     0.9557
            0.9645     0.9734     0.9823     0.9911     1.0000


****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ NO
  Water Quality .......... NO
Infiltration Method ...... CURVE_NUMBER
Flow Routing Method ...... DYNWAVE
Surcharge Method ......... EXTRAN
Starting Date ............ 04/10/2025 00:00:00
Ending Date .............. 04/12/2025 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:05:00
Routing Time Step ........ 5.00 sec
Variable Time Step ....... YES
Maximum Trials ........... 8
Number of Threads ........ 6
Head Tolerance ........... 0.001500 m


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......         8.156       103.500
Evaporation Loss .........         0.000         0.000
Infiltration Loss ........         4.548        57.710
Surface Runoff ...........         3.521        44.688
Final Storage ............         0.098         1.240
Continuity Error (%) .....        -0.133


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
```

Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	3.521	35.214
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	3.514	35.143
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.002	0.016
Continuity Error (%)	0.159	

****
Highest Continuity Errors
****
Node 16064 (100.00%)
Node 16088 (13.71%)
Node 16082 (2.32%)

****
Time-Step Critical Elements
****
Link SMC12 (43.24%)
Link C104 (20.16%)
Link C79 (1.38%)

****
Highest Flow Instability Indexes
****
Link C104 (11)
Link C102 (8)
Link C118 (8)
Link C105 (7)
Link C2 (4)

****
Most Frequent Nonconverging Nodes
****
Convergence obtained at all time steps.

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

Minimum Time Step	:	0.00 sec
Average Time Step	:	2.76 sec
Maximum Time Step	:	5.00 sec
% of Time in Steady State	:	0.00
Average Iterations per Step	:	2.04
% of Steps Not Converging	:	0.00
Time Step Frequencies	:	
5.000 - 3.155 sec	:	41.55 %

```
      3.155 -  1.991 sec      :    26.01 %
      1.991 -  1.256 sec      :     9.41 %
      1.256 -  0.792 sec      :     6.36 %
      0.792 -  0.500 sec      :    16.67 %


  ***************************
  Subcatchment Runoff Summary
  ***************************

  ----------------------------------------------------------------------------------------
-------------------------------------------
                             Total      Total      Total      Total     Imperv
Perv      Total       Total     Peak  Runoff
                          Precip      Runon       Evap      Infil     Runoff
Runoff     Runoff      Runoff   Runoff   Coeff
  Subcatchment                mm         mm         mm         mm         mm
mm         mm    10^6 ltr      CMS
  ----------------------------------------------------------------------------------------
-------------------------------------------
  S1                        103.50     111.47       0.00      57.68       4.29
152.16     156.45        0.86     0.26   0.728
  S10                       103.50       0.00       0.00      57.21       2.06
43.23      45.29        0.38     0.16   0.438
  S101                      103.50       0.00       0.00      57.57       2.06
42.77      44.83        0.58     0.18   0.433
  S102                      103.50       0.00       0.00      57.40       2.06
42.95      45.02        0.39     0.14   0.435
  S105                      103.50       0.00       0.00      57.29       2.06
43.11      45.17        0.27     0.11   0.436
  S109                      103.50      73.91       0.00      57.65       3.54
115.21     118.76        0.62     0.16   0.669
  S11                       103.50       0.00       0.00      57.49       2.06
42.85      44.91        0.50     0.17   0.434
  S111                      103.50     124.57       0.00      57.63       4.56
164.99     169.55        1.23     0.33   0.743
  S112                      103.50       0.00       0.00      57.29       2.06
43.10      45.16        0.23     0.09   0.436
  S113                      103.50       0.00       0.00      57.32       2.06
43.08      45.14        0.28     0.11   0.436
  S114                      103.50       0.00       0.00      57.40       2.06
42.94      45.01        0.47     0.17   0.435
  S115                      103.50       0.00       0.00      57.46       2.06
42.90      44.96        0.38     0.13   0.434
  S127                      103.50       0.00       0.00      57.49       2.06
42.86      44.92        0.53     0.18   0.434
  S128                      103.50       0.00       0.00      57.51       2.06
42.82      44.88        0.39     0.13   0.434
  S129                      103.50       0.00       0.00      57.43       2.06
42.93      44.99        0.46     0.16   0.435
  S130                      103.50       0.00       0.00      57.26       2.06
43.16      45.22        0.28     0.12   0.437
  S132                      103.50       0.00       0.00      57.46       2.06
42.89      44.95        0.54     0.19   0.434
  S137                      103.50      82.32       0.00      58.24       3.71
122.77     126.48        2.74     0.42   0.681
  S144                      103.50       0.00       0.00      57.54       2.06
42.79      44.85        0.76     0.24   0.433
  S16                       103.50       0.00       0.00      57.32       2.06
43.07      45.14        0.27     0.11   0.436
```

S18		103.50	0.00	0.00	57.26	2.06	
43.16	45.22	0.24	0.10	0.437			
S19		103.50	0.00	0.00	57.26	2.06	
43.14	45.20	0.26	0.11	0.437			
S2_1		103.50	0.00	0.00	57.90	2.06	
42.39	44.45	0.62	0.14	0.429			
S2_10		103.50	0.00	0.00	57.24	2.06	
43.18	45.25	0.17	0.07	0.437			
S2_11		103.50	0.00	0.00	57.46	2.06	
42.88	44.94	0.16	0.06	0.434			
S2_12		103.50	0.00	0.00	59.22	2.06	
41.01	43.08	1.09	0.10	0.416			
S2_2		103.50	0.00	0.00	58.49	2.06	
41.75	43.81	1.13	0.16	0.423			
S2_3		103.50	0.00	0.00	58.10	2.06	
42.16	44.23	0.76	0.15	0.427			
S2_5		103.50	0.00	0.00	58.07	2.06	
42.18	44.25	1.78	0.35	0.428			
S2_6		103.50	0.00	0.00	57.93	2.06	
42.35	44.41	0.47	0.10	0.429			
S2_7		103.50	0.00	0.00	58.30	2.06	
41.97	44.03	0.66	0.11	0.425			
S2_8		103.50	0.00	0.00	58.66	2.06	
41.58	43.64	1.58	0.20	0.422			
S23		103.50	0.00	0.00	57.71	2.06	
42.60	44.67	1.12	0.31	0.432			
S25		103.50	0.00	0.00	57.51	2.06	
42.81	44.87	0.55	0.18	0.434			
S29		103.50	0.00	0.00	57.32	2.06	
43.06	45.12	0.24	0.10	0.436			
S3		103.50	27.16	0.00	57.82	2.61	
69.13	71.73	0.95	0.23	0.549			
S33		103.50	0.00	0.00	57.54	2.06	
42.80	44.86	0.61	0.20	0.433			
S34		103.50	0.00	0.00	57.35	2.06	
43.02	45.09	0.69	0.26	0.436			
S36		103.50	0.00	0.00	57.35	2.06	
43.02	45.09	0.63	0.24	0.436			
S37_2		103.50	0.00	0.00	57.43	2.06	
42.91	44.97	0.57	0.20	0.435			
S4		103.50	0.00	0.00	57.29	2.06	
43.12	45.18	0.06	0.03	0.437			
S44		103.50	0.00	0.00	57.29	2.06	
43.11	45.18	0.50	0.20	0.436			
S45		103.50	0.00	0.00	57.15	2.06	
43.29	45.36	0.20	0.09	0.438			
S48		103.50	0.00	0.00	57.43	2.06	
42.91	44.97	0.64	0.23	0.435			
S5		103.50	0.00	0.00	57.35	2.06	
43.05	45.11	1.20	0.47	0.436			
S51		103.50	0.00	0.00	57.54	2.06	
42.79	44.85	0.65	0.21	0.433			
S53		103.50	0.00	0.00	57.49	2.06	
42.86	44.92	0.24	0.08	0.434			
S54		103.50	0.00	0.00	57.26	2.06	
43.16	45.22	0.28	0.12	0.437			
S56		103.50	0.00	0.00	57.32	2.06	
43.07	45.14	0.37	0.14	0.436			
S58		103.50	0.00	0.00	57.24	2.06	
43.17	45.24	0.24	0.10	0.437			

```
  S6                      103.50        0.00        0.00       57.32        2.06
43.06       45.12         0.36      0.14    0.436
  S61                     103.50        0.00        0.00       57.63        2.06
42.67       44.74         0.35      0.10    0.432
  S63                     103.50        0.00        0.00       57.68        2.06
42.61       44.68         0.97      0.27    0.432
  S64                     103.50        0.00        0.00       57.37        2.06
42.98       45.05         0.61      0.23    0.435
  S65                     103.50        0.00        0.00       57.77        2.06
42.53       44.59         0.41      0.11    0.431
  S68                     103.50        0.00        0.00       57.40        2.06
42.96       45.02         0.32      0.12    0.435
  S69                     103.50        0.00        0.00       57.63        2.06
42.68       44.75         0.57      0.17    0.432
  S7                      103.50        0.00        0.00       57.49        2.06
42.85       44.91         1.14      0.38    0.434
  S72                     103.50      128.37        0.00       57.85        4.63
168.52      173.15         1.18      0.32    0.747
  S76                     103.50        0.00        0.00       57.37        2.06
43.01       45.07         0.60      0.23    0.435
  S77                     103.50        0.00        0.00       57.37        2.06
43.00       45.06         0.23      0.09    0.435
  S80                     103.50        0.00        0.00       57.32        2.06
43.06       45.13         0.31      0.12    0.436
  S82                     103.50        0.00        0.00       57.65        2.06
42.66       44.73         0.65      0.19    0.432
  S88                     103.50        0.00        0.00       57.43        2.06
42.91       44.97         0.57      0.20    0.435
  S90                     103.50        0.00        0.00       57.46        2.06
42.89       44.96         0.24      0.08    0.434
  S91                     103.50        0.00        0.00       57.46        2.06
42.88       44.94         0.49      0.17    0.434
  S92                     103.50        0.00        0.00       57.40        2.06
42.96       45.02         0.30      0.11    0.435


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

  ----------------------------------------------------------------------------------
                                 Average  Maximum  Maximum  Time of Max    Reported
                                   Depth    Depth      HGL   Occurrence   Max Depth
  Node                 Type       Meters   Meters   Meters  days hr:min      Meters
  ----------------------------------------------------------------------------------
  16006                JUNCTION     0.03     0.60    95.19     0  12:26        0.60
  16007                JUNCTION     0.04     0.64    95.19     0  12:26        0.64
  16016                JUNCTION     0.04     0.65    95.19     0  12:26        0.65
  16017                JUNCTION     0.05     0.71    95.19     0  12:26        0.71
  16026                JUNCTION     0.06     0.84    95.19     0  12:27        0.84
  16027                JUNCTION     0.14     1.36    95.19     0  12:27        1.36
  16036                JUNCTION     0.15     1.40    95.19     0  12:26        1.40
  16042                JUNCTION     0.14     1.40    95.19     0  12:26        1.40
  16047                JUNCTION     0.17     1.50    95.19     0  12:26        1.50
  16052                JUNCTION     0.15     1.46    95.19     0  12:25        1.45
  16058                JUNCTION     0.00     0.00    93.71     0  00:00        0.00
  16064                JUNCTION     0.09     0.11    93.66     0  13:00        0.11
  16070                JUNCTION     0.00     0.02    93.74     0  12:00        0.02
  16076                JUNCTION     0.00     0.13    93.75     0  12:00        0.13
```

16082	JUNCTION	0.03	0.19	93.75	0	12:00	0.19
16088	JUNCTION	0.16	0.33	93.75	0	12:00	0.33
16094	JUNCTION	0.02	0.18	93.75	0	12:00	0.18
16100	JUNCTION	0.02	0.16	93.58	0	12:00	0.16
16106	JUNCTION	0.01	0.13	93.33	0	12:00	0.13
16112	JUNCTION	0.02	0.19	92.99	0	12:00	0.19
16115	JUNCTION	0.02	0.17	92.84	0	12:01	0.17
16127	JUNCTION	0.22	1.63	95.19	0	12:26	1.62
16130	JUNCTION	0.31	1.77	95.19	0	12:26	1.76
16147	JUNCTION	0.00	0.00	95.44	0	00:00	0.00
16156	JUNCTION	0.00	0.00	94.81	0	00:00	0.00
16159	JUNCTION	0.00	0.00	94.69	0	00:00	0.00
16167	JUNCTION	0.00	0.00	94.53	0	00:00	0.00
16172	JUNCTION	0.00	0.00	95.17	0	00:00	0.00
16178	JUNCTION	0.00	0.00	95.46	0	00:00	0.00
16184	JUNCTION	0.00	0.00	95.47	0	00:00	0.00
16190	JUNCTION	0.00	0.00	95.58	0	00:00	0.00
16196	JUNCTION	0.00	0.00	95.68	0	00:00	0.00
16202	JUNCTION	0.00	0.00	95.72	0	00:00	0.00
16209	JUNCTION	0.00	0.00	96.00	0	00:00	0.00
16215	JUNCTION	0.00	0.00	96.20	0	00:00	0.00
16221	JUNCTION	0.00	0.00	96.34	0	00:00	0.00
16228	JUNCTION	0.00	0.00	96.51	0	00:00	0.00
16234	JUNCTION	0.00	0.00	96.72	0	00:00	0.00
16239	JUNCTION	0.00	0.00	98.39	0	00:00	0.00
16246	JUNCTION	0.00	0.00	98.89	0	00:00	0.00
16251	JUNCTION	0.00	0.00	99.08	0	00:00	0.00
16258	JUNCTION	0.00	0.00	99.21	0	00:00	0.00
16264	JUNCTION	0.00	0.00	99.40	0	00:00	0.00
16270	JUNCTION	0.00	0.00	99.93	0	00:00	0.00
16274	JUNCTION	0.00	0.00	100.26	0	00:00	0.00
16306	JUNCTION	0.00	0.00	101.01	0	00:00	0.00
16307	JUNCTION	0.00	0.00	100.86	0	00:00	0.00
16314	JUNCTION	0.00	0.00	100.25	0	00:00	0.00
16320	JUNCTION	0.00	0.00	100.26	0	00:00	0.00
16326	JUNCTION	0.00	0.00	100.21	0	00:00	0.00
16332	JUNCTION	0.00	0.00	100.05	0	00:00	0.00
16338	JUNCTION	0.00	0.00	99.16	0	00:00	0.00
16341	JUNCTION	0.00	0.00	98.21	0	00:00	0.00
16343	JUNCTION	0.00	0.00	97.87	0	00:00	0.00
16346	JUNCTION	0.00	0.00	97.79	0	00:00	0.00
16347	JUNCTION	0.00	0.00	97.75	0	00:00	0.00
16362	JUNCTION	0.00	0.00	98.19	0	00:00	0.00
16365	JUNCTION	0.00	0.00	98.75	0	00:00	0.00
16373	JUNCTION	0.00	0.00	99.43	0	00:00	0.00
16380	JUNCTION	0.00	0.00	99.56	0	00:00	0.00
16386	JUNCTION	0.00	0.00	99.67	0	00:00	0.00
16393	JUNCTION	0.00	0.00	99.99	0	00:00	0.00
25006	JUNCTION	0.05	0.47	95.05	0	12:05	0.47
25010	JUNCTION	0.05	0.46	95.05	0	12:04	0.46
25014	JUNCTION	0.08	0.49	95.05	0	12:04	0.49
25019	JUNCTION	0.04	0.43	95.05	0	12:04	0.43
25025	JUNCTION	0.03	0.42	95.05	0	12:04	0.42
25028	JUNCTION	0.02	0.36	95.05	0	12:04	0.36
26414	JUNCTION	0.03	0.61	95.19	0	12:26	0.61
26419	JUNCTION	0.02	0.43	95.19	0	12:26	0.43
26432	JUNCTION	0.03	0.46	95.04	0	12:05	0.46

26456	JUNCTION	0.10	0.60	95.04	0	12:05	0.60
26468	JUNCTION	0.09	0.59	95.05	0	12:05	0.59
26481	JUNCTION	0.05	0.51	95.05	0	12:05	0.51
26502	JUNCTION	0.06	0.47	95.05	0	12:04	0.47
26511	JUNCTION	0.04	0.44	95.05	0	12:04	0.44
26541	JUNCTION	0.00	0.17	95.05	0	12:04	0.16
26548	JUNCTION	0.00	0.08	95.05	0	12:04	0.08
26560	JUNCTION	0.00	0.00	95.24	0	00:00	0.00
26567	JUNCTION	0.00	0.00	95.26	0	00:00	0.00
26578	JUNCTION	0.00	0.00	95.36	0	00:00	0.00
26599	JUNCTION	0.00	0.00	95.35	0	00:00	0.00
26602	JUNCTION	0.00	0.00	94.90	0	00:00	0.00
J1	JUNCTION	0.27	1.71	95.19	0	12:25	1.71
J10	JUNCTION	0.03	0.15	103.98	0	12:05	0.15
J101	JUNCTION	0.06	0.68	99.74	0	12:13	0.68
J107	JUNCTION	0.05	0.24	98.40	0	12:05	0.24
J11	JUNCTION	0.03	0.15	103.57	0	12:08	0.15
J111	JUNCTION	0.06	0.22	99.53	0	12:05	0.22
J117	JUNCTION	0.05	0.15	100.60	0	12:02	0.15
J12	JUNCTION	0.02	0.11	108.33	0	12:07	0.11
J13	JUNCTION	0.02	0.07	109.87	0	12:05	0.07
J137	JUNCTION	0.01	0.08	100.51	0	12:00	0.08
J14	JUNCTION	0.06	0.23	92.29	0	12:02	0.23
J15	JUNCTION	0.02	0.10	107.72	0	12:07	0.10
J152	JUNCTION	0.02	0.21	102.80	0	12:00	0.21
J16	JUNCTION	0.03	0.15	101.69	0	12:08	0.15
J160	JUNCTION	0.07	0.33	103.87	0	12:01	0.33
J17	JUNCTION	0.09	0.32	93.05	0	12:02	0.32
J2	JUNCTION	0.07	0.26	97.18	0	12:03	0.26
J253	JUNCTION	0.02	0.13	102.32	0	12:01	0.12
J258	JUNCTION	0.05	0.25	96.56	0	12:03	0.25
J259	JUNCTION	0.11	0.50	99.82	0	12:06	0.50
J266	JUNCTION	0.04	0.14	101.05	0	12:05	0.14
J270	JUNCTION	0.06	0.26	97.22	0	12:03	0.26
J274	JUNCTION	0.04	0.19	91.57	0	12:02	0.19
J276	JUNCTION	0.04	0.18	96.44	0	12:12	0.18
J3	JUNCTION	0.00	0.00	97.56	0	00:00	0.00
J33	JUNCTION	0.08	0.35	95.24	0	12:02	0.35
J35	JUNCTION	0.15	0.46	95.23	0	12:01	0.46
J43	JUNCTION	0.06	0.22	95.03	0	12:02	0.22
J5	JUNCTION	0.06	0.43	92.23	0	12:02	0.43
J53	JUNCTION	0.02	0.17	97.28	0	12:00	0.17
J64	JUNCTION	0.05	0.16	97.66	0	12:12	0.16
J7	JUNCTION	0.01	0.04	110.84	0	12:02	0.04
J8	JUNCTION	0.05	0.25	90.76	0	12:02	0.25
J80	JUNCTION	0.04	0.14	98.22	0	12:12	0.14
J86	JUNCTION	0.02	0.08	98.18	0	12:00	0.08
J9	JUNCTION	0.03	0.14	103.22	0	12:07	0.14
J92	JUNCTION	0.12	0.44	98.72	0	12:12	0.44
16133	OUTFALL	0.22	0.75	93.98	0	12:12	0.75
J4	OUTFALL	0.07	0.45	94.79	0	12:05	0.45
J6	OUTFALL	0.05	0.40	91.90	0	12:02	0.40
OF2	OUTFALL	0.05	0.25	89.87	0	12:03	0.25

****
Node Inflow Summary

****

Node	Type	Maximum Lateral Inflow CMS	Maximum Total Inflow CMS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10^6 ltr	Total Inflow Volume 10^6 ltr	Flow Balance Error Percent
16006	JUNCTION	0.000	0.078	0 12:05	0	0.0433	0.099
16007	JUNCTION	0.000	0.135	0 12:06	0	0.11	0.033
16016	JUNCTION	0.000	0.192	0 12:06	0	0.16	0.017
16017	JUNCTION	0.203	0.245	0 12:06	0.575	0.705	-0.021
16026	JUNCTION	0.000	0.197	0 12:00	0	0.676	-0.009
16027	JUNCTION	0.000	0.250	0 12:06	0	0.75	0.012
16036	JUNCTION	0.000	0.319	0 12:05	0	0.85	0.004
16042	JUNCTION	0.000	0.384	0 12:06	0	0.979	-0.002
16047	JUNCTION	0.000	0.450	0 12:06	0	1.11	0.103
16052	JUNCTION	0.000	0.088	0 12:44	0	0.0322	-0.578
16058	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
16064	JUNCTION	0.000	0.015	0 12:00	0	0.00368	3681.157 ltr
16070	JUNCTION	0.000	0.016	0 12:00	0	0.00382	-0.297
16076	JUNCTION	0.000	0.018	0 12:00	0	0.00836	0.032
16082	JUNCTION	0.000	0.021	0 12:00	0	0.0206	2.372
16088	JUNCTION	0.000	0.028	0 11:48	0	0.0403	15.894
16094	JUNCTION	0.468	0.468	0 12:00	1.2	1.22	-0.002
16100	JUNCTION	0.000	0.441	0 12:00	0	1.19	0.001
16106	JUNCTION	0.000	0.441	0 12:00	0	1.19	-0.001
16112	JUNCTION	0.000	0.440	0 12:00	0	1.19	-0.001
16115	JUNCTION	0.000	0.440	0 12:00	0	1.19	-0.019
16127	JUNCTION	0.000	0.515	0 12:44	0	1.22	-0.073
16130	JUNCTION	0.000	2.274	0 12:44	0	17.7	0.004

16147		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16156		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16159		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16167		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16172		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16178		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16184		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16190		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16196		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16202		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16209		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16215		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16221		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16228		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16234		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16239		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16246		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16251		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16258		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16264		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16270		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16274		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16306		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16307		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16314		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16320		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16326		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16332		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16338		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16341		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						

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  16343                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16346                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16347                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16362                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16365                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16373                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16380                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16386                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16393                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  25006                 JUNCTION     0.000    0.277     0  12:01           0
1.14       0.001
  25010                 JUNCTION     0.000    0.285     0  12:01           0
1.14      -0.001
  25014                 JUNCTION     0.384    0.384     0  12:00        1.14
1.19       0.032
  25019                 JUNCTION     0.000    0.071     0  12:00           0
0.0752       0.002
  25025                 JUNCTION     0.000    0.063     0  12:00           0
0.0539       0.008
  25028                 JUNCTION     0.000    0.047     0  12:00           0
0.0278       0.026
  26414                 JUNCTION     0.000    0.100     0  12:05           0
0.0799      -0.025
  26419                 JUNCTION     0.000    0.022     0  12:06           0
0.00924       0.086
  26432                 JUNCTION     0.000    0.006     0  11:59           0
0.00521       0.049
  26456                 JUNCTION     0.000    0.505     0  12:04           0
2       0.001
  26468                 JUNCTION     0.257    0.510     0  12:02       0.855
2      -0.001
  26481                 JUNCTION     0.000    0.267     0  12:02           0
1.14       0.002
  26502                 JUNCTION     0.000    0.292     0  12:00           0
1.14       0.012
  26511                 JUNCTION     0.000    0.081     0  12:00           0
0.0916       0.003
  26541                 JUNCTION     0.000    0.030     0  12:00           0
0.00991       0.008
  26548                 JUNCTION     0.000    0.016     0  12:00           0
0.0024       0.320
  26560                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  26567                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  26578                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  26599                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  26602                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
```

J1	JUNCTION	0.263	3.155	0	12:02	0.687	16.8	0.301
J10	JUNCTION	0.129	0.827	0	12:04	0.336	6.64	-0.004
J101	JUNCTION	0.167	1.368	0	12:07	0.567	6.96	0.018
J107	JUNCTION	0.190	1.836	0	12:05	0.655	11.6	0.007
J11	JUNCTION	0.000	0.834	0	12:06	0	6.64	0.009
J111	JUNCTION	0.280	1.710	0	12:05	0.765	10.9	-0.002
J117	JUNCTION	0.195	1.040	0	12:01	0.543	4.61	-0.320
J12	JUNCTION	0.307	0.528	0	12:02	1.89	4.11	0.005
J13	JUNCTION	0.213	0.301	0	12:00	1.13	2.22	-0.001
J137	JUNCTION	0.326	0.326	0	12:00	0.97	0.97	-0.117
J14	JUNCTION	0.109	2.312	0	12:02	0.275	12.8	0.001
J15	JUNCTION	0.345	0.770	0	12:03	2.2	6.31	0.000
J152	JUNCTION	0.186	0.186	0	12:00	0.535	0.535	-0.037
J16	JUNCTION	0.169	1.128	0	12:07	0.465	8.32	0.002
J160	JUNCTION	0.533	0.533	0	12:00	3.02	3.02	0.006
J17	JUNCTION	0.208	2.229	0	12:02	0.504	12.5	0.000
J2	JUNCTION	0.000	2.582	0	12:03	0	14.7	-0.000
J253	JUNCTION	0.203	0.877	0	12:00	0.511	4.06	-0.002
J258	JUNCTION	0.282	2.983	0	12:02	0.735	16.1	-0.045
J259	JUNCTION	0.313	1.596	0	12:01	0.828	6.42	0.401
J266	JUNCTION	0.497	1.555	0	12:05	1.86	10.2	0.008
J270	JUNCTION	0.496	2.582	0	12:03	1.58	14.7	0.002
J274	JUNCTION	0.161	2.425	0	12:02	0.376	13.2	-0.000
J276	JUNCTION	0.089	1.246	0	12:12	0.203	8.86	0.008
J3	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J33	JUNCTION	0.420	1.548	0	12:02	1.18	10	-0.003
J35	JUNCTION	0.197	1.730	0	12:02	0.608	10.6	0.025
J43	JUNCTION	0.403	2.081	0	12:02	1.36	12	0.002
J5	JUNCTION	0.000	0.436	0	12:01	0	1.19	0.023
J53	JUNCTION	0.227	0.227	0	12:00	0.643	0.643	-0.098

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  J64                JUNCTION     0.327    1.227     0  12:11        0.937
8.66      -0.004
  J7                 JUNCTION     0.104    0.104     0  12:00         1.09
1.09      -0.000
  J8                 JUNCTION     0.170    2.559     0  12:02        0.502
13.7       0.002
  J80                JUNCTION     0.102    1.102     0  12:12        0.348
7.72       0.006
  J86                JUNCTION     0.408    0.408     0  12:00         1.51
1.51      -0.036
  J9                 JUNCTION     0.406    1.050     0  12:06         1.21
7.86      -0.002
  J92                JUNCTION     0.107    1.052     0  12:12        0.415
7.38       0.029
  16133              OUTFALL      0.000    1.763     0  12:25            0
17.3       0.000
  J4                 OUTFALL      0.000    0.503     0  12:05            0
2       0.000
  J6                 OUTFALL      0.000    0.424     0  12:02            0
1.19       0.000
  OF2                OUTFALL      0.259    2.797     0  12:03         1.01
14.7       0.000


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

  No nodes were surcharged.


  **********************
  Node Flooding Summary
  **********************

  No nodes were flooded.


  ************************
  Outfall Loading Summary
  ************************

  -------------------------------------------------------------
                          Flow       Avg       Max       Total
                          Freq      Flow      Flow      Volume
  Outfall Node            Pcnt       CMS       CMS    10^6 ltr
  -------------------------------------------------------------
  16133                  98.60     0.297     1.763      17.279
  J4                     74.75     0.050     0.503       1.995
  J6                     73.31     0.032     0.424       1.193
  OF2                    94.14     0.277     2.797      14.674
  -------------------------------------------------------------
  System                 85.20     0.655     5.021      35.142


  ********************
  Link Flow Summary
  ********************
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Link	Type	Maximum |Flow| CMS	Time of Max Occurrence days	hr:min	Maximum |Veloc| m/sec	Max/ Full Flow	Max/ Full Depth
C1	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C10	CONDUIT	0.177	0	12:00	0.45	0.11	0.28
C100	CHANNEL	2.314	0	12:02	3.40	0.06	0.29
C101	CHANNEL	2.424	0	12:02	3.59	0.04	0.26
C102	CONDUIT	0.450	0	12:06	0.27	0.00	0.53
C103	CHANNEL	2.563	0	12:03	2.35	0.50	0.70
C104	CONDUIT	0.737	0	12:44	0.42	0.00	0.54
C105	CONDUIT	2.061	0	12:09	0.38	0.02	0.53
C106	CONDUIT	0.440	0	12:00	0.87	0.04	0.16
C107	CONDUIT	0.440	0	12:00	0.99	0.04	0.20
C108	CONDUIT	0.441	0	12:00	1.09	0.06	0.18
C11	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C110	CONDUIT	0.441	0	12:00	0.93	0.07	0.21
C111	CONDUIT	0.028	0	11:48	0.06	0.00	0.32
C112	CONDUIT	0.021	0	12:00	0.04	0.00	0.33
C113	CONDUIT	0.018	0	12:00	0.06	0.00	0.20
C114	CONDUIT	0.016	0	12:00	0.08	0.00	0.10
C115	CONDUIT	0.015	0	12:00	0.21	0.00	0.07
C116	CONDUIT	0.000	0	00:00	0.00	0.00	0.07
C118	CONDUIT	0.088	0	12:44	0.02	0.00	0.47
C12	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C13	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C14	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C15	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C16	CONDUIT	0.424	0	12:02	1.69	0.63	0.55
C17	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C19	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C2	CONDUIT	1.763	0	12:25	3.99	2.54	1.00
C20	CONDUIT	0.217	0	12:00	0.44	0.11	0.35
C21	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C22	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C23	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C24	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C25	CHANNEL	0.314	0	12:00	0.67	0.24	0.74
C28	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C29	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C3	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C31	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C32	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C33	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C34	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C35	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C37	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C38	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C39	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C4	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C40	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C41	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C42	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C43	CONDUIT	0.503	0	12:05	1.64	1.35	0.75
C44	CONDUIT	0.000	0	00:00	0.00	0.00	0.00

C45	CONDUIT	0.515	0	12:01	0.91	0.22	0.38
C48	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C49	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C5	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C50	CHANNEL	0.406	0	12:00	0.76	0.07	0.54
C51	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C52	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C53	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C54	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C55	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C56	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C57	CHANNEL	0.865	0	12:01	1.79	0.26	0.56
C58	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C59	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C6	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C61	CONDUIT	0.000	0	00:00	0.00	0.00	0.07
C63	CONDUIT	0.016	0	12:00	0.10	0.01	0.21
C64	CONDUIT	0.030	0	12:00	0.06	0.01	0.44
C65	CONDUIT	0.047	0	12:00	0.09	0.02	0.65
C66	CONDUIT	0.063	0	12:00	0.09	0.05	0.71
C67	CONDUIT	0.071	0	12:00	0.09	0.04	0.73
C68	CONDUIT	0.081	0	12:00	0.09	0.04	0.78
C69	CONDUIT	0.292	0	12:00	0.28	0.20	0.80
C7	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C70	CHANNEL	1.022	0	12:02	0.68	0.01	0.34
C71	CONDUIT	0.285	0	12:01	0.30	0.20	0.78
C73	CONDUIT	0.277	0	12:01	0.30	0.25	0.78
C74	CONDUIT	0.267	0	12:02	0.24	0.16	0.82
C75	CONDUIT	1.266	0	12:07	0.99	0.26	0.58
C76	CONDUIT	0.260	0	12:07	0.17	0.11	0.92
C77	CONDUIT	0.505	0	12:04	0.28	0.59	0.99
C78	CONDUIT	0.006	0	11:59	0.01	0.00	0.88
C79	CONDUIT	0.100	0	12:05	0.24	0.00	0.39
C8	CONDUIT	0.436	0	12:01	0.48	0.04	0.30
C81	CHANNEL	0.994	0	12:13	1.85	1.14	1.00
C82	CONDUIT	0.022	0	12:06	0.08	0.00	0.23
C83	CONDUIT	0.078	0	12:05	0.28	0.00	0.27
C84	CONDUIT	0.135	0	12:06	0.26	0.01	0.29
C86	CONDUIT	1.053	0	12:13	1.38	0.23	0.29
C87	CHANNEL	1.102	0	12:12	1.78	0.04	0.25
C88	CONDUIT	0.192	0	12:06	0.27	0.01	0.30
C89	CHANNEL	1.227	0	12:12	2.28	0.03	0.25
C9	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C90	CONDUIT	0.197	0	12:00	0.75	0.00	0.34
C91	CHANNEL	1.245	0	12:12	1.60	0.05	0.32
C92	CONDUIT	0.197	0	12:00	0.50	0.00	0.44
C93	CHANNEL	1.570	0	12:02	1.20	0.16	0.55
C94	CONDUIT	0.250	0	12:06	0.31	0.01	0.55
C95	CHANNEL	1.746	0	12:02	1.62	0.76	0.56
C96	CHANNEL	2.076	0	12:02	2.73	0.02	0.27
C97	CONDUIT	0.319	0	12:05	0.34	0.03	0.53
C98	CONDUIT	0.384	0	12:06	0.38	0.01	0.52
C99	CHANNEL	2.231	0	12:02	3.88	0.03	0.27
SMC01	CONDUIT	0.096	0	12:02	0.18	0.03	0.18
SMC02	CONDUIT	0.261	0	12:05	0.28	0.08	0.30
SMC03	CONDUIT	0.496	0	12:07	0.44	0.17	0.35
SMC04	CONDUIT	0.763	0	12:07	0.58	0.15	0.41

SMC05	CONDUIT	0.834	0	12:06	0.53	0.30	0.49
SMC06	CONDUIT	0.824	0	12:08	0.53	0.29	0.48
SMC07	CONDUIT	1.043	0	12:07	0.67	0.27	0.49
SMC08	CONDUIT	1.115	0	12:08	0.72	0.29	0.48
SMC09	CHANNEL	1.552	0	12:05	1.64	0.14	0.59
SMC10	CHANNEL	1.707	0	12:05	2.92	0.08	0.31
SMC11	CHANNEL	1.835	0	12:05	2.68	0.15	0.38
SMC12	CHANNEL	2.582	0	12:03	2.31	0.10	0.40
SMC13	CHANNEL	2.583	0	12:03	2.35	0.10	0.40
SMC14	CHANNEL	2.965	0	12:03	1.56	0.21	0.75

****
Flow Classification Summary
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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
C1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C10	1.00	0.00	0.23	0.00	0.77	0.00	0.00	0.00	0.96	0.00
C100	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.01	0.00
C101	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.61	0.00
C102	1.00	0.23	0.05	0.00	0.72	0.00	0.00	0.00	0.40	0.00
C103	1.00	0.00	0.00	0.00	0.04	0.96	0.00	0.00	0.31	0.00
C104	1.00	0.00	0.26	0.00	0.74	0.00	0.00	0.00	0.71	0.00
C105	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.67	0.00
C106	1.00	0.18	0.03	0.00	0.79	0.00	0.00	0.00	0.43	0.00
C107	1.00	0.21	0.10	0.00	0.69	0.00	0.00	0.00	0.74	0.00
C108	1.00	0.30	0.01	0.00	0.70	0.00	0.00	0.00	0.03	0.00
C11	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	0.04	0.00	0.66	0.00	0.00	0.00	0.62	0.00
C111	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00	0.57	0.00
C112	1.00	0.00	0.21	0.00	0.79	0.00	0.00	0.00	0.00	0.00
C113	1.00	0.21	0.70	0.00	0.09	0.00	0.00	0.00	0.73	0.00
C114	1.00	0.91	0.06	0.00	0.02	0.00	0.00	0.00	0.75	0.00

C115	1.00	0.25	0.73	0.00	0.02	0.00	0.00	0.00	0.75
0.00									
C116	1.00	0.25	0.75	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C118	1.00	0.00	0.90	0.00	0.09	0.00	0.00	0.00	0.66
0.00									
C12	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C13	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C14	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C15	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C16	1.00	0.02	0.00	0.00	0.88	0.10	0.00	0.00	0.00
0.00									
C17	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C19	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C2	1.00	0.00	0.00	0.00	0.73	0.27	0.00	0.00	0.00
0.00									
C20	1.00	0.00	0.23	0.00	0.77	0.00	0.00	0.00	0.97
0.00									
C21	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C22	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C23	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C24	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C25	1.00	0.00	0.36	0.00	0.64	0.00	0.00	0.00	0.99
0.00									
C28	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C29	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C31	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C32	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C33	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C34	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C35	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	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									
C38	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C39	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C40	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

C41	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C42	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C43	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00
0.00									
C44	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C45	1.00	0.00	0.17	0.00	0.83	0.00	0.00	0.00	0.64
0.00									
C48	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C49	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C5	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C50	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.98
0.00									
C51	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C52	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C53	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C54	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C55	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C56	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C57	1.00	0.00	0.00	0.00	0.96	0.04	0.00	0.00	0.99
0.00									
C58	1.00	1.00	0.00	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	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C61	1.00	0.95	0.06	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C63	1.00	0.94	0.01	0.00	0.06	0.00	0.00	0.00	0.75
0.00									
C64	1.00	0.90	0.04	0.00	0.06	0.00	0.00	0.00	0.74
0.00									
C65	1.00	0.81	0.09	0.00	0.10	0.00	0.00	0.00	0.73
0.00									
C66	1.00	0.70	0.11	0.00	0.19	0.00	0.00	0.00	0.65
0.00									
C67	1.00	0.69	0.01	0.00	0.30	0.00	0.00	0.00	0.50
0.00									
C68	1.00	0.00	0.69	0.00	0.31	0.00	0.00	0.00	0.49
0.00									
C69	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00	0.00
0.00									
C7	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C70	1.00	0.00	0.00	0.00	0.29	0.71	0.00	0.00	0.31
0.00									
C71	1.00	0.02	0.10	0.00	0.88	0.00	0.00	0.00	0.27
0.00									

C73	1.00	0.16	0.00	0.00	0.84	0.00	0.00	0.00	0.01
0.00									
C74	1.00	0.17	0.06	0.00	0.77	0.00	0.00	0.00	0.24
0.00									
C75	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.66
0.00									
C76	1.00	0.04	0.16	0.00	0.80	0.00	0.00	0.00	0.85
0.00									
C77	1.00	0.00	0.04	0.00	0.96	0.00	0.00	0.00	0.44
0.00									
C78	1.00	0.01	0.92	0.00	0.07	0.00	0.00	0.00	0.69
0.00									
C79	1.00	0.77	0.08	0.00	0.15	0.00	0.00	0.00	0.73
0.00									
C8	1.00	0.00	0.18	0.00	0.82	0.00	0.00	0.00	0.97
0.00									
C81	1.00	0.00	0.00	0.00	0.30	0.70	0.00	0.00	0.37
0.00									
C82	1.00	0.81	0.17	0.00	0.03	0.00	0.00	0.00	0.73
0.00									
C83	1.00	0.81	0.00	0.00	0.19	0.00	0.00	0.00	0.00
0.00									
C84	1.00	0.77	0.00	0.00	0.23	0.00	0.00	0.00	0.00
0.00									
C86	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.64
0.00									
C87	1.00	0.00	0.00	0.00	0.49	0.50	0.00	0.00	0.99
0.00									
C88	1.00	0.42	0.36	0.00	0.22	0.00	0.00	0.00	0.73
0.00									
C89	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.02
0.00									
C9	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C90	1.00	0.42	0.00	0.00	0.58	0.00	0.00	0.00	0.00
0.00									
C91	1.00	0.00	0.00	0.00	0.93	0.07	0.00	0.00	1.00
0.00									
C92	1.00	0.38	0.05	0.00	0.57	0.00	0.00	0.00	0.62
0.00									
C93	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.95
0.00									
C94	1.00	0.00	0.38	0.00	0.62	0.00	0.00	0.00	0.93
0.00									
C95	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.04
0.00									
C96	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.98
0.00									
C97	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C98	1.00	0.25	0.01	0.00	0.75	0.00	0.00	0.00	0.44
0.00									
C99	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.00
0.00									
SMC01	1.00	0.00	0.19	0.00	0.81	0.00	0.00	0.00	0.96
0.00									
SMC02	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SMC03	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.04
0.00									

SMC04	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.97
0.00									
SMC05	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.91
0.00									
SMC06	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.06
0.00									
SMC07	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.90
0.00									
SMC08	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98
0.00									
SMC09	1.00	0.00	0.00	0.00	0.05	0.95	0.00	0.00	0.99
0.00									
SMC10	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.05
0.00									
SMC11	1.00	0.00	0.00	0.00	0.47	0.52	0.00	0.00	1.00
0.00									
SMC12	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.66
0.00									
SMC13	1.00	0.00	0.01	0.00	0.01	0.98	0.00	0.00	0.01
0.00									
SMC14	1.00	0.00	0.00	0.00	0.32	0.68	0.00	0.00	0.47
0.00									

****
Conduit Surcharge Summary
****

Conduit	Hours Full: Both Ends	Hours Full: Upstream	Hours Full: Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
C2	0.53	1.56	0.53	1.88	0.53
C25	0.01	0.01	4.37	0.01	0.01
C43	0.01	0.01	0.01	0.28	0.01
C81	0.77	0.77	6.93	0.51	0.51
SMC14	0.01	0.01	1.93	0.01	0.01

Analysis begun on: Wed Nov 5 09:58:18 2025
Analysis ended on: Wed Nov 5 09:58:22 2025
Total elapsed time: 00:00:04

Appendix B-2: Pre-development 24h storm 2y event

EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)

****
Element Count
****
Number of rain gages 7
Number of subcatchments ... 67
Number of nodes 124
Number of links 118
Number of pollutants 0
Number of land uses 0

****
Raingage Summary
****

Name	Data Source	Data Type	Recording Interval
100y_103.5mm	100y_103.5mm	INTENSITY	15 min.
10y_72mm	10y_72mm	INTENSITY	15 min.
25y_84mm	25y_84mm	INTENSITY	15 min.
2y_48mm	2y_48mm	INTENSITY	15 min.
50y_93.6mm	50y_93.6mm	INTENSITY	15 min.
5y_62.4mm	5y_62.4mm	INTENSITY	15 min.
Chicago_4h	Chicago_4h	INTENSITY	10 min.

****
Subcatchment Summary
****

Name	Area	Width	%Imperv	%Slope	Rain Gage	Outlet
S1	0.55	52.36	2.00	8.3340	2y_48mm	26468
S10	0.83	166.64	2.00	8.5600	2y_48mm	J274
S101	1.29	98.48	2.00	5.3410	2y_48mm	J137
S102	0.87	76.33	2.00	9.2800	2y_48mm	J137
S105	0.61	117.24	2.00	4.2070	2y_48mm	J111
S109	0.53	92.26	2.00	3.3080	2y_48mm	J266
S11	1.12	99.21	2.00	5.6280	2y_48mm	J8
S111	0.73	150.74	2.00	4.0120	2y_48mm	J266
S112	0.51	72.89	2.00	7.1560	2y_48mm	J253
S113	0.62	92.70	2.00	6.1840	2y_48mm	J253

S114	1.03	136.68	2.00	3.8580	2y_48mm J16
S115	0.85	65.61	2.00	9.1880	2y_48mm S111
S127	1.17	82.57	2.00	9.1760	2y_48mm S111
S128	0.87	60.98	2.00	7.8690	2y_48mm S109
S129	1.01	104.44	2.00	5.8120	2y_48mm J9
S130	0.62	87.35	2.00	10.8400	2y_48mm J160
S132	1.19	88.41	2.00	9.3970	2y_48mm J152
S137	2.16	101.18	2.00	9.3820	2y_48mm J160
S144	1.69	133.94	2.00	5.3900	2y_48mm J9
S16	0.61	65.66	2.00	11.2500	2y_48mm J14
S18	0.54	86.45	2.00	8.2240	2y_48mm J17
S19	0.58	83.01	2.00	9.3820	2y_48mm J17
S2_1	1.39	181.65	2.00	0.5000	2y_48mm J15
S2_10	0.39	84.02	2.00	5.2800	2y_48mm J10
S2_11	0.36	112.88	2.00	0.5000	2y_48mm J10
S2_12	2.53	88.60	2.00	0.5000	2y_48mm J7
S2_2	2.58	161.29	2.00	0.5000	2y_48mm J12
S2_3	1.71	167.18	2.00	0.5000	2y_48mm J12
S2_5	4.03	402.57	2.00	0.5000	2y_48mm S137
S2_6	1.06	131.17	2.00	0.5000	2y_48mm J13
S2_7	1.49	116.11	2.00	0.5000	2y_48mm J13
S2_8	3.63	193.79	2.00	0.5000	2y_48mm J15
S23	2.50	130.11	2.00	6.3060	2y_48mm J43
S25	1.22	88.61	2.00	7.0290	2y_48mm J33
S29	0.54	76.64	2.00	6.0420	2y_48mm J43
S3	1.32	84.06	2.00	4.7850	2y_48mm OF2
S33	1.35	98.82	2.00	6.6690	2y_48mm J35
S34	1.52	145.82	2.00	10.8830	2y_48mm J1
S36	1.40	164.77	2.00	7.1970	2y_48mm J33
S37_2	1.28	119.80	2.00	6.5590	2y_48mm 16017

S4	0.14	22.22	2.00	6.8700	2y_48mm
OF2					
S44	1.10	179.89	2.00	6.1560	2y_48mm
J258					
S45	0.45	124.15	2.00	7.1480	2y_48mm
J276					
S48	1.43	143.91	2.00	5.6990	2y_48mm
J53					
S5	2.67	266.72	2.00	11.3200	2y_48mm
16094					
S51	1.46	121.71	2.00	4.9010	2y_48mm
J64					
S53	0.53	48.19	2.00	5.5430	2y_48mm
J258					
S54	0.63	155.42	2.00	3.5050	2y_48mm
J64					
S56	0.81	82.13	2.00	12.7850	2y_48mm
S1					
S58	0.54	71.61	2.00	13.2180	2y_48mm
S1					
S6	0.80	79.72	2.00	11.8730	2y_48mm
S3					
S61	0.78	60.77	2.00	3.6030	2y_48mm
J80					
S63	2.18	137.54	2.00	4.4280	2y_48mm
J270					
S64	1.35	173.21	2.00	4.9200	2y_48mm
J270					
S65	0.93	56.61	2.00	3.5920	2y_48mm
J92					
S68	0.71	67.71	2.00	7.9820	2y_48mm
J86					
S69	1.27	82.51	2.00	5.3450	2y_48mm
J101					
S7	2.54	153.64	2.00	11.9440	2y_48mm
25014					
S72	0.68	79.02	2.00	3.5540	2y_48mm
J86					
S76	1.33	191.47	2.00	4.4170	2y_48mm
J259					
S77	0.50	64.02	2.00	5.3700	2y_48mm
J259					
S80	0.68	92.84	2.00	6.6690	2y_48mm
S72					
S82	1.46	100.97	2.00	4.4500	2y_48mm
J107					
S88	1.27	110.78	2.00	7.4640	2y_48mm
S72					
S90	0.53	59.02	2.00	4.3430	2y_48mm
J117					
S91	1.09	105.53	2.00	5.3300	2y_48mm
J111					
S92	0.67	57.07	2.00	10.2410	2y_48mm
J117					

****
Node Summary
****

	Invert	Max.	Ponded	External

Name	Type	Elev.	Depth	Area	Inflow
16006	JUNCTION	94.59	2.26	0.0	
16007	JUNCTION	94.55	2.26	0.0	
16016	JUNCTION	94.54	2.24	0.0	
16017	JUNCTION	94.48	2.25	0.0	
16026	JUNCTION	94.35	2.48	0.0	
16027	JUNCTION	93.83	2.96	0.0	
16036	JUNCTION	93.79	2.63	0.0	
16042	JUNCTION	93.79	2.79	0.0	
16047	JUNCTION	93.69	2.94	0.0	
16052	JUNCTION	93.73	3.60	0.0	
16058	JUNCTION	93.71	0.80	0.0	
16064	JUNCTION	93.55	1.00	0.0	
16070	JUNCTION	93.72	0.80	0.0	
16076	JUNCTION	93.61	0.80	0.0	
16082	JUNCTION	93.56	0.80	0.0	
16088	JUNCTION	93.42	0.80	0.0	
16094	JUNCTION	93.57	0.80	0.0	
16100	JUNCTION	93.42	0.80	0.0	
16106	JUNCTION	93.20	0.80	0.0	
16112	JUNCTION	92.80	1.08	0.0	
16115	JUNCTION	92.67	1.10	0.0	
16127	JUNCTION	93.57	3.46	0.0	
16130	JUNCTION	93.42	3.46	0.0	
16147	JUNCTION	95.44	0.60	0.0	
16156	JUNCTION	94.81	0.60	0.0	
16159	JUNCTION	94.69	1.00	0.0	
16167	JUNCTION	94.53	1.00	0.0	
16172	JUNCTION	95.17	0.60	0.0	
16178	JUNCTION	95.46	0.60	0.0	
16184	JUNCTION	95.47	0.60	0.0	
16190	JUNCTION	95.58	0.60	0.0	
16196	JUNCTION	95.68	0.60	0.0	
16202	JUNCTION	95.72	0.60	0.0	
16209	JUNCTION	96.00	0.60	0.0	
16215	JUNCTION	96.20	0.60	0.0	
16221	JUNCTION	96.34	0.60	0.0	
16228	JUNCTION	96.51	0.60	0.0	
16234	JUNCTION	96.72	0.60	0.0	
16239	JUNCTION	98.39	0.60	0.0	
16246	JUNCTION	98.89	0.60	0.0	
16251	JUNCTION	99.08	1.25	0.0	
16258	JUNCTION	99.21	0.60	0.0	
16264	JUNCTION	99.40	0.60	0.0	
16270	JUNCTION	99.93	0.60	0.0	
16274	JUNCTION	100.26	0.60	0.0	
16306	JUNCTION	101.01	0.60	0.0	
16307	JUNCTION	100.86	0.60	0.0	
16314	JUNCTION	100.25	0.60	0.0	
16320	JUNCTION	100.26	0.60	0.0	
16326	JUNCTION	100.21	0.60	0.0	
16332	JUNCTION	100.05	0.60	0.0	
16338	JUNCTION	99.16	0.60	0.0	
16341	JUNCTION	98.21	0.60	0.0	
16343	JUNCTION	97.87	0.60	0.0	
16346	JUNCTION	97.79	0.60	0.0	

16347	JUNCTION	97.75	1.00	0.0
16362	JUNCTION	98.19	0.60	0.0
16365	JUNCTION	98.75	0.60	0.0
16373	JUNCTION	99.43	0.60	0.0
16380	JUNCTION	99.56	0.60	0.0
16386	JUNCTION	99.67	0.60	0.0
16393	JUNCTION	99.99	0.60	0.0
25006	JUNCTION	94.58	0.80	0.0
25010	JUNCTION	94.59	0.60	0.0
25014	JUNCTION	94.56	0.60	0.0
25019	JUNCTION	94.62	0.60	0.0
25025	JUNCTION	94.64	0.60	0.0
25028	JUNCTION	94.69	0.60	0.0
26414	JUNCTION	94.58	2.27	0.0
26419	JUNCTION	94.76	2.28	0.0
26432	JUNCTION	94.58	0.60	0.0
26456	JUNCTION	94.45	0.80	0.0
26468	JUNCTION	94.46	0.60	0.0
26481	JUNCTION	94.53	0.60	0.0
26502	JUNCTION	94.58	0.70	0.0
26511	JUNCTION	94.61	0.68	0.0
26541	JUNCTION	94.89	0.60	0.0
26548	JUNCTION	94.97	0.60	0.0
26560	JUNCTION	95.24	0.60	0.0
26567	JUNCTION	95.26	0.60	0.0
26578	JUNCTION	95.36	0.60	0.0
26599	JUNCTION	95.35	0.60	0.0
26602	JUNCTION	94.90	0.60	0.0
J1	JUNCTION	93.48	3.25	0.0
J10	JUNCTION	103.83	0.30	0.0
J101	JUNCTION	99.06	1.00	0.0
J107	JUNCTION	98.16	1.00	0.0
J11	JUNCTION	103.42	0.30	0.0
J111	JUNCTION	99.31	1.00	0.0
J117	JUNCTION	100.45	1.00	0.0
J12	JUNCTION	108.21	0.30	0.0
J13	JUNCTION	109.80	0.30	0.0
J137	JUNCTION	100.43	1.00	0.0
J14	JUNCTION	92.06	1.50	0.0
J15	JUNCTION	107.62	0.30	0.0
J152	JUNCTION	102.59	1.00	0.0
J16	JUNCTION	101.53	0.30	0.0
J160	JUNCTION	103.54	1.00	0.0
J17	JUNCTION	92.73	1.50	0.0
J2	JUNCTION	96.92	1.00	0.0
J253	JUNCTION	102.19	1.00	0.0
J258	JUNCTION	96.31	2.27	0.0
J259	JUNCTION	99.32	1.00	0.0
J266	JUNCTION	100.91	1.09	0.0
J270	JUNCTION	96.96	1.00	0.0
J274	JUNCTION	91.38	1.00	0.0
J276	JUNCTION	96.26	1.00	0.0
J3	JUNCTION	97.56	1.00	0.0
J33	JUNCTION	94.89	1.00	0.0
J35	JUNCTION	94.77	1.00	0.0
J43	JUNCTION	94.81	1.00	0.0
J5	JUNCTION	91.80	1.00	0.0

J53	JUNCTION	97.11	1.00	0.0
J64	JUNCTION	97.50	1.00	0.0
J7	JUNCTION	110.80	0.30	0.0
J8	JUNCTION	90.51	1.00	0.0
J80	JUNCTION	98.08	1.00	0.0
J86	JUNCTION	98.10	1.00	0.0
J9	JUNCTION	103.08	0.30	0.0
J92	JUNCTION	98.28	1.00	0.0
16133	OUTFALL	93.23	0.75	0.0
J4	OUTFALL	94.34	0.70	0.0
J6	OUTFALL	91.50	0.75	0.0
OF2	OUTFALL	89.62	0.36	0.0

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Link Summary
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Name	From Node	To Node	Type	Length	% Slope	Roughness
C1	16393	16386	CONDUIT	13.2	2.4516	0.0350
C10	J152	J253	CONDUIT	84.4	0.4739	0.0450
C100	J14	J274	CONDUIT	51.1	1.3304	0.0100
C101	J274	J8	CONDUIT	24.2	3.6035	0.0100
C102	16047	16127	CONDUIT	6.5	1.9636	0.0350
C103	J8	OF2	CONDUIT	143.4	0.6208	0.0100
C104	16127	16130	CONDUIT	1.2	12.4462	0.0350
C105	J1	16130	CONDUIT	6.2	0.9237	0.0350
C106	16112	16115	CONDUIT	13.2	0.9700	0.0350
C107	16106	16112	CONDUIT	12.4	3.2413	0.0350
C108	16100	16106	CONDUIT	13.3	1.5977	0.0350
C11	16347	J3	CONDUIT	13.3	1.5054	0.0240
C110	16094	16100	CONDUIT	13.0	1.1950	0.0350
C111	16088	16094	CONDUIT	13.4	-1.1408	0.0350
C112	16082	16088	CONDUIT	13.1	1.0642	0.0350
C113	16076	16082	CONDUIT	13.3	0.4285	0.0350
C114	16070	16076	CONDUIT	13.3	0.8033	0.0350
C115	16064	16070	CONDUIT	12.7	-1.3181	0.0350
C116	16058	16064	CONDUIT	12.5	1.2522	0.0350

C118	16052	16130	CONDUIT	5.0	
6.2825	0.0350				
C12	16346	16347	CONDUIT	1.1	
2.9398	0.0350				
C13	16343	16347	CONDUIT	0.9	
13.5313	0.0350				
C14	16341	16343	CONDUIT	2.0	
17.1555	0.0350				
C15	16338	16341	CONDUIT	13.9	
6.7922	0.0350				
C16	J5	J6	CONDUIT	24.5	
1.2269	0.0240				
C17	16332	16338	CONDUIT	13.6	
6.6098	0.0350				
C19	16326	16332	CONDUIT	12.9	
1.2326	0.0350				
C2	16130	16133	CONDUIT	14.1	
1.3287	0.0240				
C20	J53	J258	CONDUIT	107.0	
0.7479	0.0450				
C21	16320	16326	CONDUIT	12.6	
0.4289	0.0350				
C22	16314	16320	CONDUIT	13.2	-
0.0759	0.0350				
C23	16307	16314	CONDUIT	13.7	
4.4464	0.0350				
C24	16306	16307	CONDUIT	2.8	
5.2892	0.0350				
C25	J137	J259	CONDUIT	137.0	
0.8103	0.0100				
C28	16274	16270	CONDUIT	6.5	
5.0524	0.0350				
C29	16270	16264	CONDUIT	12.9	
4.1317	0.0350				
C3	16159	16167	CONDUIT	14.4	
1.0985	0.0240				
C31	16264	16258	CONDUIT	12.8	
1.4657	0.0350				
C32	16258	16251	CONDUIT	13.9	
0.9346	0.0350				
C33	16251	16246	CONDUIT	13.1	
1.4537	0.0350				
C34	16246	16239	CONDUIT	12.6	
3.9516	0.0350				
C35	16239	16234	CONDUIT	13.3	
12.7640	0.0350				
C37	16234	16228	CONDUIT	13.0	
1.5919	0.0350				
C38	16228	16221	CONDUIT	11.2	
1.4866	0.0350				
C39	16221	16215	CONDUIT	11.2	
1.2911	0.0350				
C4	16386	16380	CONDUIT	12.4	
0.8071	0.0350				
C40	16215	16209	CONDUIT	13.2	
1.5328	0.0350				
C41	16209	16202	CONDUIT	12.9	
2.1384	0.0350				
C42	16202	16196	CONDUIT	12.6	
0.3421	0.0350				

C43	26456	J4	CONDUIT	18.5	
0.5508	0.0240				
C44	16196	16190	CONDUIT	13.0	
0.7716	0.0350				
C45	J160	J253	CONDUIT	132.0	
1.0225	0.0450				
C48	16190	16184	CONDUIT	13.7	
0.7602	0.0350				
C49	16184	16178	CONDUIT	13.3	
0.0899	0.0350				
C5	16380	16373	CONDUIT	14.6	
0.8992	0.0350				
C50	J86	J270	CONDUIT	71.7	
1.5911	0.0100				
C51	16178	16172	CONDUIT	12.9	
2.2421	0.0350				
C52	16172	16156	CONDUIT	13.4	
2.7460	0.0350				
C53	16156	16159	CONDUIT	0.5	
25.9977	0.0350				
C54	26602	16159	CONDUIT	1.1	
18.9160	0.0350				
C55	26599	26602	CONDUIT	9.4	
4.8065	0.0350				
C56	16147	26599	CONDUIT	1.8	
4.5032	0.0350				
C57	J253	J117	CONDUIT	158.9	
1.0950	0.0100				
C58	26578	26567	CONDUIT	12.1	
0.8682	0.0350				
C59	26567	26560	CONDUIT	13.5	
0.1110	0.0350				
C6	16373	16365	CONDUIT	14.9	
4.6135	0.0350				
C61	26560	26548	CONDUIT	13.7	
1.9807	0.0350				
C63	26548	26541	CONDUIT	12.7	
0.6477	0.0350				
C64	26541	25028	CONDUIT	13.2	
1.4893	0.0350				
C65	25028	25025	CONDUIT	13.3	
0.4138	0.0350				
C66	25025	25019	CONDUIT	9.5	
0.1791	0.0350				
C67	25019	26511	CONDUIT	3.3	
0.3296	0.0350				
C68	26511	25014	CONDUIT	9.7	
0.4518	0.0350				
C69	25014	26502	CONDUIT	6.5	-
0.2295	0.0350				
C7	16365	16362	CONDUIT	10.0	
5.6033	0.0350				
C70	J117	J259	CONDUIT	111.5	
1.0136	0.0100				
C71	26502	25010	CONDUIT	5.2	-
0.2115	0.0350				
C73	25010	25006	CONDUIT	11.7	
0.1363	0.0350				
C74	25006	26481	CONDUIT	12.5	
0.3202	0.0350				

C75		J259	J101	CONDUIT	45.7	
0.5694	0.0450					
C76		26481	26468	CONDUIT	13.7	
0.5783	0.0350					
C77		26468	26456	CONDUIT	11.1	
0.0809	0.0350					
C78		26432	26456	CONDUIT	7.4	
1.8492	0.0350					
C79		26414	16007	CONDUIT	1.1	
2.8394	0.0350					
C8		16115	J5	CONDUIT	66.1	
1.3232	0.0350					
C81		J101	J92	CONDUIT	79.2	
0.9847	0.0100					
C82		26419	16006	CONDUIT	7.8	
2.1667	0.0350					
C83		16006	26414	CONDUIT	12.1	
0.0995	0.0350					
C84		16007	16016	CONDUIT	13.4	
0.0746	0.0350					
C86		J92	J80	CONDUIT	38.0	
0.5257	0.0450					
C87		J80	J64	CONDUIT	60.7	
0.9559	0.0100					
C88		16016	16017	CONDUIT	12.3	
0.4880	0.0350					
C89		J64	J276	CONDUIT	56.3	
2.2037	0.0100					
C9		16362	16346	CONDUIT	8.1	
4.9832	0.0350					
C90		16017	16026	CONDUIT	13.5	
0.9624	0.0350					
C91		J276	J33	CONDUIT	154.1	
0.8892	0.0100					
C92		16026	16027	CONDUIT	11.6	
4.4802	0.0350					
C93		J33	J35	CONDUIT	44.1	
0.2719	0.0100					
C94		16027	16036	CONDUIT	12.0	
0.3089	0.0350					
C95		J35	J43	CONDUIT	103.2	-
0.0388	0.0100					
C96		J43	J17	CONDUIT	109.8	
1.8944	0.0100					
C97		16036	16042	CONDUIT	13.9	
0.0216	0.0350					
C98		16042	16047	CONDUIT	12.7	
0.7631	0.0350					
C99		J17	J14	CONDUIT	56.1	
1.1939	0.0100					
SMC01		J7	J13	CONDUIT	100.3	
1.0009	0.0450					
SMC02		J13	J12	CONDUIT	158.3	
1.0007	0.0450					
SMC03		J12	J15	CONDUIT	71.4	
0.8370	0.0450					
SMC04		J15	J10	CONDUIT	151.1	
2.5062	0.0450					
SMC05		J10	J11	CONDUIT	51.9	
0.7918	0.0450					

SMC06	J11	J9	CONDUIT	42.9	
0.7903	0.0450				
SMC07	J9	J16	CONDUIT	106.2	
1.4553	0.0450				
SMC08	J16	J266	CONDUIT	42.9	
1.4576	0.0450				
SMC09	J266	J111	CONDUIT	82.6	
1.9368	0.0100				
SMC10	J111	J107	CONDUIT	88.8	
1.2946	0.0100				
SMC11	J107	J270	CONDUIT	157.1	
0.7639	0.0100				
SMC12	J270	J2	CONDUIT	5.2	
0.6955	0.0100				
SMC13	J2	J258	CONDUIT	89.2	
0.6887	0.0100				
SMC14	J258	J1	CONDUIT	227.2	
1.2468	0.0100				

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Cross Section Summary
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Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
C1	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1	4.74
C10	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1	1.62
C100	C100	0.71	6.52	0.35	18.54	1	37.24
C101	C101	0.84	7.08	0.37	18.97	1	69.14
C102	TRAPEZOIDAL	2.94	24.69	1.58	14.28	1	133.93
C103	C103	0.36	2.17	0.16	13.16	1	5.13
C104	TRAPEZOIDAL	3.11	27.15	1.65	14.95	1	382.75
C105	TRAPEZOIDAL	3.25	29.33	1.72	15.52	1	115.60
C106	TRAPEZOIDAL	1.08	5.02	0.69	6.81	1	10.98
C107	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	11.19
C108	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	7.85
C11	CIRCULAR	1.00	0.79	0.25	1.00	1	1.59
C110	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	6.79
C111	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	6.64
C112	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	6.41
C113	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	

C114	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1
5.57						
C115	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1
7.13						
C116	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1
6.95						
C118	TRAPEZOIDAL	3.46	32.58	1.81	16.34	1
346.92						
C12	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
5.19						
C13	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
11.14						
C14	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
12.54						
C15	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
7.89						
C16	CIRCULAR	0.75	0.44	0.19	0.75	1
0.67						
C17	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
7.78						
C19	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.36						
C2	CIRCULAR	0.75	0.44	0.19	0.75	1
0.70						
C20	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.04						
C21	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.98						
C22	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
0.83						
C23	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.38						
C24	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.96						
C25	C25	0.16	0.78	0.08	9.50	1
1.34						
C28	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.81						
C29	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.15						
C3	CIRCULAR	1.00	0.79	0.25	1.00	1
1.36						
C31	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.67						
C32	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.93						
C33	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.65						
C34	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.02						
C35	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
10.82						
C37	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.82						
C38	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.69						
C39	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.44						
C4	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.72						

C40	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.75						
C41	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
4.43						
C42	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.77						
C43	CIRCULAR	0.70	0.38	0.17	0.70	1
0.37						
C44	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.66						
C45	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.38						
C48	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.64						
C49	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
0.91						
C5	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.87						
C50	C50	0.32	1.46	0.17	8.24	1
5.78						
C51	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
4.53						
C52	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
5.02						
C53	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
15.44						
C54	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
13.17						
C55	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.64						
C56	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.43						
C57	C57	0.25	1.13	0.15	7.56	1
3.30						
C58	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.82						
C59	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.01						
C6	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.50						
C61	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
4.26						
C63	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.44						
C64	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.70						
C65	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.95						
C66	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.28						
C67	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.74						
C68	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.04						
C69	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.45						
C7	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
7.17						
C70	C70	0.95	25.32	0.62	40.00	1
184.72						

C71	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.39						
C73	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.12						
C74	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.71						
C75	TRAPEZOIDAL	1.00	4.00	0.62	6.00	1
4.87						
C76	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.30						
C77	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
0.86						
C78	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
4.12						
C79	TRAPEZOIDAL	1.62	9.31	0.95	8.98	1
43.46						
C8	TRAPEZOIDAL	1.00	4.50	0.65	6.50	1
11.05						
C81	C81	0.13	0.54	0.07	8.04	1
0.87						
C82	TRAPEZOIDAL	2.26	15.83	1.26	11.53	1
77.56						
C83	TRAPEZOIDAL	2.26	15.83	1.26	11.53	1
16.62						
C84	TRAPEZOIDAL	2.24	15.59	1.25	11.44	1
14.10						
C86	TRAPEZOIDAL	1.00	4.00	0.62	6.00	1
4.68						
C87	C87	0.60	5.37	0.36	14.68	1
26.74						
C88	TRAPEZOIDAL	2.24	15.59	1.25	11.44	1
36.06						
C89	C89	0.68	5.95	0.38	15.45	1
46.64						
C9	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.76						
C90	TRAPEZOIDAL	2.25	15.80	1.26	11.52	1
51.54						
C91	C91	0.83	4.29	0.43	9.35	1
22.90						
C92	TRAPEZOIDAL	2.48	18.44	1.36	12.40	1
136.83						
C93	C93	0.74	4.44	0.28	16.58	1
9.94						
C94	TRAPEZOIDAL	2.52	19.04	1.38	12.59	1
37.50						
C95	C95	0.60	3.11	0.23	13.46	1
2.29						
C96	C96	1.00	11.25	0.62	17.88	1
112.98						
C97	TRAPEZOIDAL	2.63	20.46	1.43	13.04	1
10.93						
C98	TRAPEZOIDAL	2.79	22.58	1.51	13.67	1
74.09						
C99	C99	1.02	10.34	0.56	18.28	1
76.72						
SMC01	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
3.16						
SMC02	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
3.16						

SMC03	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
2.89						
SMC04	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
5.00						
SMC05	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
2.81						
SMC06	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
2.81						
SMC07	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
3.81						
SMC08	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
3.81						
SMC09	C72	0.30	2.45	0.18	13.72	1
10.71						
SMC10	C80	0.75	4.30	0.30	14.17	1
21.90						
SMC11	C85	0.65	3.74	0.23	15.97	1
12.30						
SMC12	C113	0.64	6.62	0.34	19.26	1
26.70						
SMC13	C113	0.64	6.62	0.34	19.26	1
26.57						
SMC14	C114	0.49	3.06	0.26	11.33	1
14.09						

****
Transect Summary
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Transect C100
Area:

0.0007	0.0026	0.0059	0.0106	0.0160	
0.0221	0.0289	0.0363	0.0445	0.0535	
0.0633	0.0739	0.0849	0.0963	0.1084	
0.1218	0.1376	0.1555	0.1742	0.1936	
0.2135	0.2339	0.2548	0.2761	0.2979	
0.3201	0.3428	0.3659	0.3895	0.4134	
0.4378	0.4625	0.4877	0.5133	0.5393	
0.5657	0.5926	0.6201	0.6480	0.6765	
0.7055	0.7350	0.7650	0.7956	0.8267	
0.8583	0.8909	0.9248	0.9606	1.0000	

Hrad:

0.0204	0.0408	0.0612	0.0838	0.1127
0.1399	0.1657	0.1907	0.2114	0.2314
0.2515	0.2783	0.3090	0.3360	0.3527
0.3681	0.3790	0.3454	0.3711	0.4013
0.4315	0.4614	0.4916	0.5213	0.5507
0.5797	0.6087	0.6383	0.6675	0.6965
0.7251	0.7534	0.7815	0.8094	0.8367
0.8626	0.8863	0.9100	0.9335	0.9570
0.9803	1.0035	1.0262	1.0485	1.0708
1.0916	1.0909	1.0916	1.0530	1.0000

Width:

0.0325	0.0650	0.0975	0.1263	0.1424
0.1586	0.1748	0.1909	0.2108	0.2315
0.2522	0.2659	0.2751	0.2868	0.3075
0.3589	0.4202	0.4509	0.4702	0.4832

0.4956 0.5076 0.5189 0.5302 0.5415
0.5528 0.5636 0.5737 0.5838 0.5939
0.6039 0.6140 0.6241 0.6342 0.6445
0.6557 0.6685 0.6812 0.6940 0.7067
0.7194 0.7322 0.7452 0.7585 0.7717
0.7860 0.8165 0.8509 0.9279 1.0000

Transect C101
Area:
0.0010 0.0042 0.0091 0.0150 0.0217
0.0292 0.0372 0.0457 0.0547 0.0642
0.0743 0.0848 0.0958 0.1072 0.1192
0.1315 0.1444 0.1577 0.1714 0.1856
0.2001 0.2149 0.2301 0.2457 0.2617
0.2780 0.2947 0.3118 0.3292 0.3470
0.3652 0.3838 0.4027 0.4227 0.4461
0.4746 0.5042 0.5339 0.5639 0.5947
0.6273 0.6618 0.6985 0.7394 0.7812
0.8237 0.8669 0.9106 0.9550 1.0000
Hrad:
0.0228 0.0456 0.0760 0.1086 0.1390
0.1705 0.2041 0.2364 0.2677 0.2980
0.3276 0.3565 0.3860 0.4150 0.4435
0.4716 0.4992 0.5265 0.5534 0.5845
0.6164 0.6454 0.6742 0.7026 0.7307
0.7586 0.7862 0.8136 0.8408 0.8677
0.8945 0.9211 0.9461 0.9483 0.9238
0.7291 0.7686 0.8077 0.8467 0.8841
0.9183 0.9499 0.9613 0.8062 0.8385
0.8706 0.9033 0.9358 0.9680 1.0000
Width:
0.0462 0.0923 0.1208 0.1387 0.1567
0.1716 0.1826 0.1936 0.2047 0.2157
0.2267 0.2378 0.2479 0.2581 0.2682
0.2784 0.2886 0.2987 0.3089 0.3165
0.3234 0.3316 0.3399 0.3481 0.3563
0.3646 0.3728 0.3810 0.3893 0.3975
0.4057 0.4140 0.4228 0.4703 0.5891
0.6494 0.6544 0.6593 0.6643 0.7003
0.7403 0.7830 0.8510 0.9167 0.9313
0.9459 0.9595 0.9730 0.9865 1.0000

Transect C103
Area:
0.0019 0.0076 0.0153 0.0236 0.0324
0.0418 0.0518 0.0623 0.0733 0.0847
0.0966 0.1088 0.1214 0.1344 0.1478
0.1616 0.1758 0.1904 0.2054 0.2208
0.2366 0.2527 0.2693 0.2863 0.3038
0.3216 0.3399 0.3587 0.3778 0.3974
0.4175 0.4379 0.4588 0.4802 0.5019
0.5241 0.5467 0.5698 0.5937 0.6190
0.6458 0.6754 0.7106 0.7501 0.7902
0.8307 0.8720 0.9140 0.9566 1.0000
Hrad:
0.0219 0.0450 0.0841 0.1210 0.1561
0.1896 0.2219 0.2530 0.2854 0.3187

0.3512 0.3830 0.4142 0.4448 0.4749
0.5046 0.5338 0.5626 0.5910 0.6191
0.6469 0.6744 0.7006 0.7261 0.7514
0.7766 0.8016 0.8264 0.8511 0.8757
0.9001 0.9245 0.9487 0.9729 0.9969
1.0209 1.0447 1.0654 1.0536 1.0382
1.0266 0.9715 0.8843 0.8231 0.8577
0.8879 0.9162 0.9444 0.9723 1.0000

Width:

0.0873 0.1701 0.1828 0.1955 0.2082
0.2209 0.2336 0.2463 0.2570 0.2660
0.2750 0.2841 0.2931 0.3021 0.3112
0.3202 0.3292 0.3382 0.3473 0.3563
0.3653 0.3744 0.3839 0.3938 0.4037
0.4136 0.4235 0.4334 0.4433 0.4532
0.4631 0.4729 0.4828 0.4927 0.5026
0.5125 0.5224 0.5339 0.5626 0.5954
0.6285 0.7360 0.8739 0.9112 0.9211
0.9355 0.9516 0.9677 0.9839 1.0000

Transect C109

Area:

0.0006 0.0025 0.0057 0.0102 0.0159
0.0225 0.0298 0.0377 0.0463 0.0555
0.0653 0.0757 0.0866 0.0982 0.1103
0.1231 0.1364 0.1504 0.1650 0.1804
0.1965 0.2133 0.2308 0.2490 0.2679
0.2876 0.3080 0.3292 0.3511 0.3738
0.3972 0.4215 0.4469 0.4735 0.5012
0.5299 0.5591 0.5887 0.6187 0.6494
0.6809 0.7133 0.7466 0.7806 0.8153
0.8508 0.8870 0.9239 0.9616 1.0000

Hrad:

0.0183 0.0367 0.0550 0.0733 0.0939
0.1190 0.1429 0.1666 0.1909 0.2144
0.2373 0.2597 0.2817 0.3032 0.3245
0.3455 0.3663 0.3857 0.4026 0.4196
0.4367 0.4546 0.4728 0.4909 0.5091
0.5256 0.5423 0.5591 0.5760 0.5930
0.6101 0.6220 0.6294 0.6378 0.6471
0.6700 0.6965 0.7229 0.7489 0.7743
0.7986 0.8173 0.8404 0.8643 0.8878
0.9109 0.9337 0.9561 0.9782 1.0000

Width:

0.0329 0.0658 0.0986 0.1315 0.1601
0.1785 0.1968 0.2140 0.2293 0.2446
0.2598 0.2751 0.2904 0.3057 0.3210
0.3363 0.3516 0.3680 0.3869 0.4057
0.4246 0.4428 0.4608 0.4788 0.4968
0.5164 0.5360 0.5556 0.5752 0.5948
0.6144 0.6396 0.6701 0.7006 0.7311
0.7465 0.7576 0.7686 0.7826 0.8021
0.8220 0.8471 0.8673 0.8863 0.9052
0.9242 0.9431 0.9621 0.9810 1.0000

Transect C113

Area:

0.0010 0.0035 0.0067 0.0107 0.0154
0.0208 0.0270 0.0339 0.0415 0.0500
0.0592 0.0690 0.0793 0.0902 0.1016
0.1136 0.1261 0.1392 0.1528 0.1670
0.1818 0.1971 0.2140 0.2342 0.2555
0.2776 0.3006 0.3244 0.3489 0.3737
0.3987 0.4240 0.4498 0.4761 0.5030
0.5307 0.5593 0.5902 0.6216 0.6534
0.6857 0.7184 0.7516 0.7854 0.8198
0.8548 0.8904 0.9264 0.9630 1.0000

Hrad:

0.0189 0.0455 0.0703 0.0931 0.1147
0.1361 0.1560 0.1751 0.1941 0.2131
0.2342 0.2585 0.2818 0.3048 0.3273
0.3495 0.3713 0.3925 0.4135 0.4343
0.4550 0.4694 0.4639 0.4241 0.4433
0.4635 0.4840 0.5044 0.5326 0.5652
0.5975 0.6224 0.6468 0.6709 0.6926
0.7057 0.7034 0.7077 0.7348 0.7617
0.7884 0.8138 0.8358 0.8576 0.8793
0.9025 0.9255 0.9484 0.9729 1.0000

Width:

0.0524 0.0777 0.0972 0.1167 0.1363
0.1553 0.1753 0.1962 0.2171 0.2380
0.2565 0.2708 0.2854 0.3001 0.3148
0.3295 0.3443 0.3594 0.3746 0.3897
0.4049 0.4256 0.5056 0.5599 0.5843
0.6073 0.6297 0.6521 0.6638 0.6693
0.6747 0.6882 0.7020 0.7158 0.7320
0.7575 0.8007 0.8395 0.8509 0.8623
0.8737 0.8862 0.9024 0.9186 0.9347
0.9491 0.9635 0.9779 0.9903 1.0000

Transect C114

Area:

0.0028 0.0095 0.0168 0.0246 0.0327
0.0413 0.0503 0.0598 0.0697 0.0800
0.0908 0.1020 0.1136 0.1257 0.1382
0.1515 0.1655 0.1802 0.1956 0.2117
0.2285 0.2465 0.2659 0.2864 0.3077
0.3295 0.3518 0.3747 0.3980 0.4219
0.4463 0.4712 0.4966 0.5224 0.5484
0.5748 0.6016 0.6288 0.6563 0.6842
0.7125 0.7411 0.7701 0.8000 0.8308
0.8627 0.8955 0.9293 0.9641 1.0000

Hrad:

0.0187 0.0502 0.0835 0.1151 0.1454
0.1745 0.2025 0.2298 0.2562 0.2820
0.3073 0.3320 0.3562 0.3801 0.3973
0.4129 0.4288 0.4448 0.4610 0.4775
0.4892 0.4907 0.4944 0.5067 0.5310
0.5550 0.5788 0.6024 0.6257 0.6488
0.6718 0.6945 0.7209 0.7480 0.7734
0.7986 0.8235 0.8482 0.8727 0.8970
0.9211 0.9449 0.9631 0.9670 0.9718
0.9775 0.9847 0.9926 1.0010 1.0000

Width:

0.1519 0.1934 0.2052 0.2171 0.2289
0.2407 0.2526 0.2644 0.2762 0.2881
0.2999 0.3118 0.3236 0.3354 0.3529
0.3722 0.3915 0.4109 0.4303 0.4497
0.4740 0.5099 0.5457 0.5738 0.5881
0.6024 0.6167 0.6310 0.6454 0.6597
0.6740 0.6883 0.6982 0.7068 0.7169
0.7269 0.7370 0.7470 0.7570 0.7671
0.7771 0.7872 0.8019 0.8293 0.8566
0.8838 0.9103 0.9368 0.9633 1.0000

Transect C116
Area:
0.0004 0.0017 0.0038 0.0068 0.0106
0.0149 0.0198 0.0254 0.0315 0.0382
0.0455 0.0532 0.0614 0.0698 0.0786
0.0876 0.0970 0.1066 0.1165 0.1267
0.1372 0.1480 0.1591 0.1705 0.1841
0.1992 0.2151 0.2317 0.2491 0.2673
0.2883 0.3124 0.3384 0.3665 0.3964
0.4283 0.4617 0.4958 0.5307 0.5663
0.6042 0.6444 0.6858 0.7279 0.7708
0.8146 0.8593 0.9048 0.9514 1.0000
Hrad:
0.0248 0.0495 0.0743 0.0991 0.1297
0.1595 0.1881 0.2160 0.2433 0.2701
0.2966 0.3310 0.3650 0.4011 0.4365
0.4711 0.5052 0.5386 0.5715 0.6040
0.6360 0.6676 0.6988 0.7297 0.7500
0.7665 0.7840 0.8020 0.8149 0.8228
0.8252 0.8245 0.8203 0.8165 0.8151
0.8160 0.6861 0.7192 0.7519 0.7843
0.7543 0.7812 0.8100 0.8455 0.8790
0.9122 0.9452 0.9779 0.9917 1.0000
Width:
0.0172 0.0345 0.0517 0.0690 0.0815
0.0935 0.1054 0.1173 0.1292 0.1412
0.1531 0.1606 0.1679 0.1738 0.1796
0.1855 0.1914 0.1973 0.2032 0.2091
0.2150 0.2209 0.2267 0.2326 0.2994
0.3137 0.3280 0.3423 0.3586 0.3769
0.4660 0.5055 0.5464 0.5853 0.6242
0.6631 0.6811 0.6963 0.7115 0.7267
0.8000 0.8228 0.8436 0.8582 0.8753
0.8925 0.9097 0.9268 0.9605 1.0000

Transect C16
Area:
0.0011 0.0048 0.0125 0.0220 0.0320
0.0425 0.0534 0.0649 0.0769 0.0894
0.1028 0.1169 0.1318 0.1475 0.1640
0.1815 0.2000 0.2192 0.2391 0.2596
0.2807 0.3024 0.3248 0.3477 0.3708
0.3941 0.4175 0.4412 0.4650 0.4890
0.5132 0.5375 0.5619 0.5865 0.6113
0.6362 0.6612 0.6864 0.7117 0.7372
0.7628 0.7885 0.8144 0.8405 0.8667

0.8930 0.9195 0.9461 0.9728 1.0000

Hrad:

0.0139 0.0261 0.0378 0.0631 0.0872
0.1105 0.1329 0.1546 0.1757 0.1924
0.2086 0.2246 0.2404 0.2551 0.2682
0.2816 0.2950 0.3120 0.3301 0.3479
0.3654 0.3828 0.4000 0.4208 0.4450
0.4691 0.4930 0.5167 0.5403 0.5636
0.5874 0.6113 0.6350 0.6586 0.6821
0.7054 0.7286 0.7516 0.7746 0.7974
0.8201 0.8426 0.8651 0.8874 0.9096
0.9317 0.9537 0.9756 0.9973 1.0000

Width:

0.0802 0.2058 0.3363 0.3541 0.3719
0.3898 0.4076 0.4254 0.4433 0.4711
0.4992 0.5274 0.5555 0.5857 0.6198
0.6534 0.6868 0.7120 0.7342 0.7563
0.7785 0.8006 0.8228 0.8370 0.8435
0.8499 0.8564 0.8629 0.8694 0.8759
0.8815 0.8867 0.8919 0.8971 0.9024
0.9076 0.9128 0.9180 0.9233 0.9285
0.9337 0.9389 0.9442 0.9494 0.9546
0.9598 0.9651 0.9703 0.9756 1.0000

Transect C25

Area:

0.0069 0.0156 0.0246 0.0340 0.0439
0.0541 0.0648 0.0759 0.0874 0.0993
0.1116 0.1243 0.1374 0.1510 0.1649
0.1793 0.1941 0.2093 0.2249 0.2409
0.2573 0.2742 0.2915 0.3093 0.3278
0.3468 0.3664 0.3866 0.4074 0.4288
0.4508 0.4733 0.4965 0.5203 0.5447
0.5698 0.5955 0.6220 0.6491 0.6770
0.7055 0.7347 0.7646 0.7952 0.8265
0.8584 0.8915 0.9261 0.9623 1.0000

Hrad:

0.0316 0.0675 0.1019 0.1350 0.1670
0.1979 0.2280 0.2573 0.2858 0.3137
0.3410 0.3678 0.3942 0.4201 0.4456
0.4707 0.4955 0.5199 0.5438 0.5675
0.5910 0.6142 0.6359 0.6527 0.6696
0.6867 0.7039 0.7212 0.7386 0.7561
0.7737 0.7914 0.8091 0.8269 0.8422
0.8571 0.8723 0.8876 0.9032 0.9189
0.9348 0.9508 0.9670 0.9833 0.9997
1.0139 1.0082 1.0004 0.9949 1.0000

Width:

0.2198 0.2306 0.2413 0.2521 0.2628
0.2735 0.2843 0.2950 0.3057 0.3165
0.3272 0.3379 0.3487 0.3594 0.3702
0.3809 0.3916 0.4025 0.4135 0.4244
0.4354 0.4464 0.4583 0.4738 0.4893
0.5049 0.5204 0.5359 0.5514 0.5669
0.5825 0.5980 0.6135 0.6290 0.6466
0.6646 0.6826 0.7006 0.7186 0.7366
0.7546 0.7726 0.7906 0.8086 0.8266

0.8465 0.8842 0.9257 0.9672 1.0000

Transect C36
Area:
0.0014 0.0049 0.0097 0.0158 0.0227
0.0302 0.0381 0.0468 0.0582 0.0717
0.0868 0.1026 0.1188 0.1354 0.1525
0.1701 0.1881 0.2066 0.2255 0.2449
0.2648 0.2851 0.3058 0.3269 0.3484
0.3704 0.3927 0.4155 0.4386 0.4621
0.4860 0.5102 0.5348 0.5598 0.5851
0.6108 0.6368 0.6631 0.6898 0.7167
0.7440 0.7716 0.7995 0.8277 0.8562
0.8848 0.9134 0.9422 0.9710 1.0000
Hrad:
0.0147 0.0345 0.0517 0.0685 0.0918
0.1144 0.1360 0.1552 0.1673 0.1780
0.1624 0.1864 0.2100 0.2330 0.2554
0.2773 0.2989 0.3201 0.3410 0.3616
0.3827 0.4037 0.4244 0.4448 0.4650
0.4851 0.5049 0.5253 0.5458 0.5661
0.5863 0.6063 0.6261 0.6457 0.6653
0.6850 0.7056 0.7261 0.7464 0.7665
0.7866 0.8065 0.8263 0.8460 0.8710
0.8969 0.9228 0.9486 0.9744 1.0000
Width:
0.0973 0.1425 0.1877 0.2305 0.2479
0.2639 0.2799 0.3451 0.4309 0.4991
0.5350 0.5505 0.5659 0.5813 0.5973
0.6134 0.6294 0.6455 0.6615 0.6776
0.6921 0.7064 0.7208 0.7351 0.7494
0.7637 0.7780 0.7911 0.8038 0.8164
0.8290 0.8417 0.8543 0.8669 0.8796
0.8917 0.9026 0.9134 0.9243 0.9351
0.9460 0.9568 0.9677 0.9785 0.9831
0.9865 0.9898 0.9932 0.9966 1.0000

Transect C50
Area:
0.0020 0.0078 0.0169 0.0267 0.0369
0.0476 0.0587 0.0703 0.0824 0.0950
0.1080 0.1215 0.1354 0.1498 0.1647
0.1800 0.1958 0.2120 0.2288 0.2460
0.2636 0.2818 0.3005 0.3196 0.3393
0.3595 0.3802 0.4013 0.4230 0.4452
0.4678 0.4910 0.5147 0.5388 0.5635
0.5887 0.6144 0.6408 0.6678 0.6952
0.7230 0.7513 0.7799 0.8090 0.8385
0.8684 0.8988 0.9308 0.9647 1.0000
Hrad:
0.0181 0.0362 0.0642 0.0966 0.1277
0.1576 0.1866 0.2147 0.2420 0.2687
0.2947 0.3202 0.3452 0.3698 0.3940
0.4177 0.4412 0.4643 0.4870 0.5092
0.5311 0.5523 0.5733 0.5941 0.6148
0.6354 0.6558 0.6762 0.6964 0.7165
0.7365 0.7565 0.7764 0.7961 0.8159

0.8355 0.8507 0.8652 0.8845 0.9062
0.9278 0.9492 0.9705 0.9917 1.0127
1.0336 1.0387 1.0111 0.9916 1.0000

Width:

0.1094 0.2187 0.2663 0.2792 0.2922
0.3052 0.3181 0.3311 0.3441 0.3571
0.3700 0.3830 0.3960 0.4089 0.4219
0.4349 0.4478 0.4608 0.4739 0.4873
0.5008 0.5147 0.5287 0.5426 0.5566
0.5706 0.5846 0.5985 0.6125 0.6265
0.6404 0.6544 0.6684 0.6823 0.6963
0.7103 0.7280 0.7466 0.7606 0.7722
0.7837 0.7952 0.8067 0.8182 0.8298
0.8413 0.8659 0.9211 0.9733 1.0000

Transect C57

Area:

0.0025 0.0100 0.0195 0.0296 0.0402
0.0514 0.0631 0.0753 0.0881 0.1014
0.1153 0.1297 0.1446 0.1601 0.1761
0.1927 0.2098 0.2274 0.2455 0.2641
0.2831 0.3023 0.3218 0.3416 0.3617
0.3821 0.4027 0.4237 0.4449 0.4665
0.4883 0.5105 0.5332 0.5562 0.5797
0.6036 0.6279 0.6526 0.6778 0.7033
0.7293 0.7559 0.7835 0.8121 0.8417
0.8722 0.9033 0.9350 0.9672 1.0000

Hrad:

0.0169 0.0365 0.0673 0.0967 0.1247
0.1518 0.1778 0.2031 0.2277 0.2516
0.2751 0.2980 0.3205 0.3426 0.3643
0.3861 0.4078 0.4293 0.4506 0.4738
0.4995 0.5249 0.5499 0.5747 0.5992
0.6234 0.6474 0.6711 0.6946 0.7179
0.7395 0.7582 0.7768 0.7953 0.8138
0.8321 0.8504 0.8685 0.8867 0.9047
0.9227 0.9240 0.9240 0.9252 0.9273
0.9359 0.9519 0.9679 0.9840 1.0000

Width:

0.1525 0.2798 0.2962 0.3127 0.3291
0.3455 0.3619 0.3783 0.3947 0.4111
0.4275 0.4439 0.4603 0.4767 0.4932
0.5091 0.5246 0.5402 0.5557 0.5682
0.5769 0.5857 0.5944 0.6032 0.6119
0.6207 0.6294 0.6382 0.6469 0.6556
0.6658 0.6784 0.6910 0.7036 0.7162
0.7288 0.7415 0.7541 0.7667 0.7793
0.7919 0.8195 0.8493 0.8792 0.9090
0.9331 0.9498 0.9665 0.9833 1.0000

Transect C70

Area:

0.0002 0.0007 0.0015 0.0027 0.0051
0.0099 0.0173 0.0278 0.0433 0.0599
0.0768 0.0939 0.1114 0.1291 0.1472
0.1657 0.1846 0.2038 0.2233 0.2431
0.2632 0.2836 0.3044 0.3256 0.3471

0.3690 0.3911 0.4135 0.4363 0.4593
0.4826 0.5063 0.5303 0.5546 0.5793
0.6045 0.6303 0.6571 0.6846 0.7124
0.7404 0.7685 0.7968 0.8253 0.8540
0.8828 0.9118 0.9409 0.9702 1.0000

Hrad:

0.0153 0.0305 0.0458 0.0610 0.0635
0.0641 0.0718 0.0807 0.0801 0.1091
0.1376 0.1656 0.1927 0.2194 0.2442
0.2682 0.2940 0.3194 0.3446 0.3697
0.3945 0.4163 0.4378 0.4607 0.4833
0.5066 0.5298 0.5526 0.5750 0.5972
0.6188 0.6401 0.6609 0.6812 0.6990
0.7134 0.7278 0.7253 0.7441 0.7684
0.7932 0.8177 0.8422 0.8671 0.8920
0.9168 0.9414 0.9660 0.9835 1.0000

Width:

0.0114 0.0229 0.0343 0.0457 0.1145
0.2010 0.2939 0.4215 0.5507 0.5591
0.5676 0.5763 0.5866 0.5969 0.6111
0.6262 0.6360 0.6459 0.6555 0.6647
0.6740 0.6879 0.7018 0.7131 0.7243
0.7341 0.7438 0.7536 0.7637 0.7738
0.7845 0.7952 0.8064 0.8180 0.8324
0.8510 0.8695 0.9098 0.9238 0.9304
0.9364 0.9424 0.9484 0.9538 0.9589
0.9641 0.9692 0.9744 0.9867 1.0000

Transect C72

Area:

0.0004 0.0015 0.0034 0.0060 0.0094
0.0135 0.0184 0.0244 0.0330 0.0429
0.0541 0.0665 0.0801 0.0947 0.1101
0.1260 0.1424 0.1594 0.1769 0.1950
0.2135 0.2325 0.2518 0.2716 0.2917
0.3122 0.3331 0.3544 0.3761 0.3986
0.4223 0.4474 0.4739 0.5016 0.5302
0.5595 0.5892 0.6191 0.6493 0.6798
0.7105 0.7415 0.7727 0.8042 0.8360
0.8681 0.9005 0.9333 0.9664 1.0000

Hrad:

0.0170 0.0340 0.0510 0.0680 0.0850
0.1020 0.1190 0.1122 0.1207 0.1384
0.1560 0.1739 0.1934 0.2129 0.2390
0.2646 0.2896 0.3141 0.3381 0.3617
0.3871 0.4128 0.4382 0.4632 0.4879
0.5124 0.5365 0.5604 0.5797 0.5871
0.5881 0.5892 0.5949 0.6017 0.6215
0.6428 0.6706 0.6983 0.7257 0.7530
0.7800 0.8069 0.8335 0.8600 0.8863
0.9103 0.9329 0.9554 0.9778 1.0000

Width:

0.0223 0.0446 0.0669 0.0892 0.1115
0.1338 0.1560 0.2193 0.2756 0.3125
0.3494 0.3854 0.4171 0.4481 0.4639
0.4797 0.4955 0.5113 0.5271 0.5429
0.5556 0.5672 0.5788 0.5903 0.6019

0.6135 0.6251 0.6366 0.6532 0.6836
0.7230 0.7647 0.8021 0.8394 0.8587
0.8757 0.8834 0.8911 0.8988 0.9065
0.9142 0.9219 0.9296 0.9373 0.9450
0.9550 0.9663 0.9775 0.9888 1.0000

Transect C80
Area:
0.0012 0.0046 0.0105 0.0182 0.0264
0.0351 0.0441 0.0536 0.0635 0.0739
0.0846 0.0958 0.1074 0.1193 0.1318
0.1446 0.1578 0.1713 0.1853 0.1997
0.2144 0.2296 0.2451 0.2610 0.2774
0.2943 0.3115 0.3293 0.3474 0.3660
0.3851 0.4045 0.4246 0.4452 0.4663
0.4881 0.5103 0.5333 0.5573 0.5824
0.6085 0.6378 0.6779 0.7213 0.7656
0.8106 0.8565 0.9033 0.9512 1.0000
Hrad:
0.0248 0.0497 0.0745 0.1123 0.1550
0.1959 0.2352 0.2732 0.3100 0.3459
0.3808 0.4149 0.4483 0.4810 0.5134
0.5462 0.5785 0.6103 0.6416 0.6726
0.7032 0.7334 0.7623 0.7897 0.8168
0.8438 0.8707 0.8974 0.9241 0.9506
0.9770 1.0011 1.0214 1.0420 1.0628
1.0837 1.1049 1.1126 1.1112 1.1120
1.1148 0.8397 0.7821 0.8106 0.8453
0.8796 0.9116 0.9413 0.9707 1.0000
Width:
0.0471 0.0942 0.1413 0.1628 0.1712
0.1797 0.1881 0.1966 0.2050 0.2135
0.2220 0.2304 0.2389 0.2473 0.2556
0.2635 0.2713 0.2792 0.2870 0.2949
0.3027 0.3106 0.3189 0.3278 0.3367
0.3457 0.3546 0.3635 0.3724 0.3814
0.3903 0.4001 0.4116 0.4231 0.4345
0.4460 0.4575 0.4749 0.4972 0.5195
0.5418 0.7575 0.8656 0.8889 0.9049
0.9209 0.9390 0.9593 0.9797 1.0000

Transect C81
Area:
0.0005 0.0021 0.0047 0.0084 0.0132
0.0190 0.0258 0.0337 0.0427 0.0527
0.0637 0.0759 0.0890 0.1031 0.1180
0.1336 0.1499 0.1671 0.1851 0.2038
0.2233 0.2435 0.2646 0.2864 0.3090
0.3323 0.3561 0.3801 0.4044 0.4290
0.4538 0.4789 0.5043 0.5300 0.5560
0.5822 0.6087 0.6354 0.6625 0.6898
0.7174 0.7453 0.7735 0.8022 0.8316
0.8621 0.8942 0.9278 0.9631 1.0000
Hrad:
0.0190 0.0380 0.0570 0.0760 0.0950
0.1139 0.1329 0.1519 0.1709 0.1899
0.2089 0.2279 0.2469 0.2711 0.2943

0.3171 0.3395 0.3616 0.3835 0.4051
0.4265 0.4477 0.4688 0.4897 0.5105
0.5346 0.5659 0.5969 0.6276 0.6580
0.6882 0.7181 0.7477 0.7770 0.8061
0.8350 0.8637 0.8921 0.9203 0.9483
0.9761 1.0037 1.0245 1.0396 1.0549
1.0696 1.0829 1.0950 1.1063 1.0000

Width:

0.0280 0.0559 0.0839 0.1118 0.1398
0.1677 0.1957 0.2236 0.2516 0.2795
0.3075 0.3355 0.3634 0.3832 0.4039
0.4245 0.4451 0.4657 0.4863 0.5069
0.5275 0.5481 0.5687 0.5893 0.6099
0.6264 0.6337 0.6409 0.6482 0.6555
0.6628 0.6701 0.6774 0.6847 0.6920
0.6993 0.7066 0.7138 0.7211 0.7284
0.7357 0.7430 0.7553 0.7718 0.7883
0.8295 0.8721 0.9148 0.9574 1.0000

Transect C85

Area:

0.0026 0.0095 0.0171 0.0249 0.0332
0.0417 0.0505 0.0597 0.0692 0.0790
0.0892 0.0996 0.1104 0.1215 0.1329
0.1447 0.1568 0.1692 0.1819 0.1949
0.2083 0.2221 0.2362 0.2507 0.2655
0.2807 0.2962 0.3122 0.3287 0.3457
0.3631 0.3809 0.3993 0.4181 0.4374
0.4574 0.4784 0.5006 0.5237 0.5484
0.5764 0.6084 0.6480 0.6914 0.7376
0.7866 0.8375 0.8904 0.9448 1.0000

Hrad:

0.0280 0.0717 0.1233 0.1728 0.2206
0.2668 0.3115 0.3551 0.3974 0.4388
0.4792 0.5188 0.5576 0.5958 0.6333
0.6702 0.7066 0.7425 0.7779 0.8111
0.8439 0.8764 0.9086 0.9406 0.9724
1.0039 1.0315 1.0560 1.0807 1.1055
1.1305 1.1556 1.1809 1.2062 1.2316
1.2253 1.2197 1.2172 1.2174 1.1584
1.0671 1.0067 0.8601 0.8570 0.8597
0.8749 0.8963 0.9182 0.9586 1.0000

Width:

0.0937 0.1334 0.1391 0.1449 0.1507
0.1565 0.1623 0.1681 0.1739 0.1797
0.1855 0.1913 0.1971 0.2029 0.2087
0.2144 0.2202 0.2260 0.2318 0.2382
0.2446 0.2510 0.2574 0.2638 0.2702
0.2766 0.2840 0.2925 0.3009 0.3093
0.3177 0.3261 0.3345 0.3430 0.3514
0.3696 0.3887 0.4077 0.4268 0.4703
0.5376 0.6453 0.7529 0.8068 0.8584
0.8998 0.9354 0.9711 0.9864 1.0000

Transect C87

Area:

0.0010 0.0041 0.0092 0.0158 0.0235

0.0324 0.0423 0.0531 0.0650 0.0778
0.0915 0.1060 0.1212 0.1372 0.1540
0.1712 0.1889 0.2070 0.2254 0.2444
0.2637 0.2834 0.3036 0.3241 0.3451
0.3664 0.3882 0.4102 0.4327 0.4555
0.4787 0.5022 0.5261 0.5504 0.5750
0.6001 0.6256 0.6514 0.6777 0.7044
0.7316 0.7593 0.7874 0.8160 0.8452
0.8749 0.9052 0.9361 0.9677 1.0000

Hrad:

0.0163 0.0327 0.0511 0.0723 0.0921
0.1125 0.1330 0.1527 0.1720 0.1915
0.2126 0.2331 0.2532 0.2730 0.2956
0.3207 0.3454 0.3697 0.3936 0.4173
0.4408 0.4642 0.4874 0.5103 0.5329
0.5554 0.5786 0.6017 0.6245 0.6472
0.6696 0.6919 0.7132 0.7342 0.7551
0.7758 0.7964 0.8165 0.8348 0.8530
0.8711 0.8892 0.9065 0.9218 0.9372
0.9527 0.9672 0.9779 0.9888 1.0000

Width:

0.0631 0.1263 0.1811 0.2180 0.2550
0.2880 0.3181 0.3481 0.3782 0.4066
0.4307 0.4547 0.4788 0.5028 0.5210
0.5341 0.5470 0.5599 0.5728 0.5857
0.5983 0.6106 0.6230 0.6353 0.6476
0.6599 0.6709 0.6819 0.6928 0.7038
0.7148 0.7258 0.7376 0.7496 0.7615
0.7735 0.7854 0.7977 0.8117 0.8257
0.8398 0.8538 0.8685 0.8851 0.9017
0.9183 0.9358 0.9572 0.9786 1.0000

Transect C89

Area:

0.0005 0.0018 0.0041 0.0073 0.0114
0.0171 0.0254 0.0350 0.0458 0.0576
0.0703 0.0839 0.0984 0.1138 0.1303
0.1477 0.1657 0.1841 0.2031 0.2225
0.2422 0.2623 0.2828 0.3037 0.3249
0.3465 0.3685 0.3909 0.4136 0.4368
0.4603 0.4842 0.5086 0.5335 0.5588
0.5846 0.6108 0.6375 0.6646 0.6922
0.7202 0.7487 0.7777 0.8074 0.8376
0.8685 0.9001 0.9324 0.9655 1.0000

Hrad:

0.0176 0.0352 0.0528 0.0703 0.0882
0.0784 0.1002 0.1209 0.1424 0.1656
0.1881 0.2099 0.2312 0.2515 0.2703
0.2933 0.3201 0.3464 0.3723 0.3999
0.4274 0.4545 0.4813 0.5077 0.5339
0.5594 0.5845 0.6094 0.6340 0.6584
0.6826 0.7048 0.7265 0.7480 0.7693
0.7906 0.8122 0.8337 0.8552 0.8765
0.8977 0.9154 0.9317 0.9481 0.9645
0.9781 0.9914 1.0049 1.0056 1.0000

Width:

0.0259 0.0517 0.0776 0.1034 0.1288

0.2185 0.2541 0.2897 0.3217 0.3477
0.3737 0.3997 0.4257 0.4528 0.4821
0.5037 0.5176 0.5316 0.5455 0.5563
0.5667 0.5772 0.5876 0.5981 0.6085
0.6194 0.6303 0.6413 0.6523 0.6632
0.6742 0.6869 0.7000 0.7131 0.7262
0.7393 0.7519 0.7645 0.7770 0.7895
0.8021 0.8177 0.8345 0.8514 0.8683
0.8878 0.9078 0.9277 0.9601 1.0000

Transect C91
Area:
0.0066 0.0151 0.0241 0.0337 0.0438
0.0545 0.0658 0.0776 0.0899 0.1028
0.1163 0.1303 0.1448 0.1599 0.1756
0.1918 0.2084 0.2254 0.2426 0.2603
0.2782 0.2965 0.3151 0.3340 0.3532
0.3729 0.3930 0.4135 0.4345 0.4559
0.4778 0.5001 0.5229 0.5461 0.5699
0.5942 0.6190 0.6443 0.6702 0.6967
0.7237 0.7513 0.7795 0.8084 0.8380
0.8682 0.8990 0.9311 0.9647 1.0000
Hrad:
0.0311 0.0668 0.1004 0.1324 0.1629
0.1923 0.2207 0.2482 0.2750 0.3010
0.3266 0.3516 0.3761 0.3997 0.4228
0.4476 0.4750 0.5018 0.5281 0.5540
0.5795 0.6046 0.6293 0.6536 0.6776
0.6978 0.7176 0.7372 0.7568 0.7762
0.7955 0.8147 0.8338 0.8520 0.8679
0.8838 0.8998 0.9159 0.9320 0.9482
0.9642 0.9768 0.9896 1.0027 1.0160
1.0295 1.0399 1.0279 1.0185 1.0000
Width:
0.2260 0.2411 0.2562 0.2713 0.2864
0.3015 0.3166 0.3318 0.3469 0.3620
0.3771 0.3922 0.4073 0.4230 0.4390
0.4521 0.4612 0.4703 0.4794 0.4885
0.4976 0.5067 0.5158 0.5249 0.5340
0.5461 0.5584 0.5707 0.5830 0.5953
0.6076 0.6199 0.6322 0.6451 0.6600
0.6748 0.6897 0.7045 0.7194 0.7343
0.7493 0.7673 0.7853 0.8033 0.8213
0.8394 0.8602 0.9027 0.9452 1.0000

Transect C93
Area:
0.0014 0.0055 0.0109 0.0174 0.0246
0.0322 0.0402 0.0486 0.0574 0.0666
0.0763 0.0863 0.0968 0.1076 0.1189
0.1306 0.1427 0.1552 0.1682 0.1816
0.1955 0.2098 0.2245 0.2397 0.2555
0.2717 0.2883 0.3055 0.3234 0.3422
0.3619 0.3826 0.4043 0.4283 0.4544
0.4819 0.5110 0.5424 0.5766 0.6116
0.6471 0.6830 0.7195 0.7565 0.7941
0.8321 0.8708 0.9107 0.9519 1.0000

Hrad:

0.0261	0.0570	0.0955	0.1305	0.1729
0.2141	0.2537	0.2919	0.3289	0.3648
0.3999	0.4342	0.4678	0.5007	0.5331
0.5651	0.5965	0.6258	0.6549	0.6838
0.7124	0.7409	0.7691	0.7961	0.8217
0.8473	0.8729	0.8985	0.9069	0.9123
0.9196	0.9286	0.9157	0.8737	0.8736
0.8781	0.8738	0.8563	0.8515	0.8971
0.9355	0.9736	1.0113	1.0487	1.0857
1.1225	1.1449	1.1607	1.1658	1.0000

Width:

0.0504	0.0908	0.1084	0.1259	0.1341
0.1415	0.1490	0.1564	0.1638	0.1713
0.1787	0.1862	0.1936	0.2010	0.2085
0.2159	0.2234	0.2315	0.2396	0.2477
0.2558	0.2640	0.2721	0.2806	0.2897
0.2987	0.3077	0.3168	0.3323	0.3497
0.3670	0.3844	0.4123	0.4583	0.4865
0.5136	0.5476	0.5936	0.6349	0.6392
0.6485	0.6579	0.6672	0.6766	0.6860
0.6953	0.7136	0.7364	0.7666	1.0000

Transect C95

Area:

0.0009	0.0035	0.0080	0.0142	0.0222
0.0317	0.0418	0.0525	0.0636	0.0752
0.0873	0.0999	0.1128	0.1260	0.1396
0.1535	0.1677	0.1823	0.1971	0.2123
0.2279	0.2438	0.2600	0.2765	0.2934
0.3106	0.3281	0.3459	0.3641	0.3826
0.4015	0.4209	0.4409	0.4616	0.4830
0.5052	0.5282	0.5519	0.5764	0.6017
0.6294	0.6601	0.6934	0.7290	0.7667
0.8074	0.8517	0.8992	0.9488	1.0000

Hrad:

0.0262	0.0524	0.0785	0.1047	0.1309
0.1680	0.2109	0.2522	0.2921	0.3308
0.3684	0.4086	0.4494	0.4893	0.5286
0.5672	0.6051	0.6425	0.6793	0.7156
0.7515	0.7868	0.8218	0.8564	0.8906
0.9244	0.9580	0.9912	1.0241	1.0568
1.0828	1.1010	1.1197	1.1319	1.1431
1.1554	1.1686	1.1826	1.1973	1.1899
1.1149	1.0695	1.0405	1.0343	1.0216
0.9852	0.9639	0.9601	0.9798	1.0000

Width:

0.0341	0.0682	0.1023	0.1364	0.1704
0.1898	0.1993	0.2088	0.2183	0.2279
0.2374	0.2447	0.2510	0.2573	0.2637
0.2700	0.2764	0.2827	0.2890	0.2954
0.3017	0.3080	0.3144	0.3207	0.3271
0.3334	0.3397	0.3461	0.3524	0.3588
0.3673	0.3788	0.3902	0.4042	0.4189
0.4337	0.4484	0.4631	0.4778	0.5022
0.5615	0.6144	0.6639	0.7025	0.7485
0.8181	0.8827	0.9361	0.9681	1.0000

Transect C96

Area:

0.0005	0.0020	0.0045	0.0080	0.0126
0.0179	0.0236	0.0296	0.0360	0.0426
0.0496	0.0569	0.0645	0.0724	0.0807
0.0940	0.1107	0.1319	0.1535	0.1755
0.1979	0.2206	0.2438	0.2673	0.2914
0.3159	0.3408	0.3661	0.3916	0.4175
0.4438	0.4703	0.4972	0.5244	0.5519
0.5798	0.6080	0.6365	0.6652	0.6943
0.7237	0.7533	0.7832	0.8134	0.8439
0.8746	0.9056	0.9368	0.9683	1.0000

Hrad:

0.0160	0.0319	0.0479	0.0639	0.0798
0.1030	0.1284	0.1527	0.1762	0.1989
0.2210	0.2425	0.2636	0.2842	0.3038
0.3043	0.2334	0.1960	0.2243	0.2522
0.2798	0.3069	0.3325	0.3576	0.3824
0.4069	0.4332	0.4592	0.4850	0.5105
0.5357	0.5609	0.5858	0.6105	0.6350
0.6594	0.6836	0.7084	0.7330	0.7574
0.7816	0.8057	0.8296	0.8544	0.8790
0.9035	0.9278	0.9520	0.9761	1.0000

Width:

0.0315	0.0631	0.0946	0.1262	0.1577
0.1742	0.1841	0.1940	0.2039	0.2138
0.2237	0.2336	0.2435	0.2534	0.3065
0.4567	0.6405	0.6734	0.6848	0.6962
0.7077	0.7191	0.7333	0.7479	0.7625
0.7768	0.7872	0.7976	0.8079	0.8183
0.8287	0.8389	0.8491	0.8593	0.8695
0.8797	0.8897	0.8988	0.9079	0.9171
0.9262	0.9353	0.9444	0.9523	0.9603
0.9682	0.9762	0.9841	0.9921	1.0000

Transect C99

Area:

0.0003	0.0013	0.0030	0.0053	0.0082
0.0117	0.0157	0.0202	0.0253	0.0308
0.0370	0.0439	0.0516	0.0601	0.0690
0.0783	0.0881	0.0983	0.1089	0.1199
0.1360	0.1539	0.1732	0.1942	0.2187
0.2444	0.2705	0.2970	0.3239	0.3512
0.3790	0.4073	0.4361	0.4655	0.4955
0.5262	0.5576	0.5897	0.6221	0.6549
0.6880	0.7214	0.7551	0.7891	0.8235
0.8581	0.8931	0.9284	0.9641	1.0000

Hrad:

0.0180	0.0360	0.0540	0.0720	0.0922
0.1126	0.1324	0.1518	0.1709	0.1902
0.2042	0.2156	0.2284	0.2485	0.2719
0.2948	0.3173	0.3394	0.3611	0.3825
0.3866	0.3920	0.3998	0.3804	0.3081
0.3404	0.3723	0.4019	0.4309	0.4597
0.4881	0.5148	0.5404	0.5657	0.5903
0.6123	0.6342	0.6594	0.6890	0.7183

```
            0.7474     0.7763     0.8050     0.8335     0.8617
            0.8897     0.9176     0.9452     0.9727     1.0000
Width:
            0.0183     0.0366     0.0548     0.0731     0.0889
            0.1035     0.1181     0.1327     0.1473     0.1615
            0.1804     0.2028     0.2252     0.2409     0.2526
            0.2644     0.2762     0.2880     0.2998     0.3325
            0.4767     0.5157     0.5519     0.6187     0.7095
            0.7178     0.7262     0.7386     0.7511     0.7637
            0.7762     0.7909     0.8068     0.8228     0.8395
            0.8594     0.8794     0.8944     0.9031     0.9119
            0.9206     0.9293     0.9380     0.9468     0.9557
            0.9645     0.9734     0.9823     0.9911     1.0000


****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ NO
  Water Quality .......... NO
Infiltration Method ...... CURVE_NUMBER
Flow Routing Method ...... DYNWAVE
Surcharge Method ......... EXTRAN
Starting Date ............ 04/10/2025 00:00:00
Ending Date .............. 04/12/2025 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:05:00
Routing Time Step ........ 5.00 sec
Variable Time Step ....... YES
Maximum Trials ........... 8
Number of Threads ........ 6
Head Tolerance ........... 0.001500 m


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......         3.782        48.000
Evaporation Loss .........         0.000         0.000
Infiltration Loss ........         2.943        37.348
Surface Runoff ...........         0.743         9.433
Final Storage ............         0.098         1.240
Continuity Error (%) .....        -0.044


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
```

Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	0.743	7.433
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	0.742	7.420
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.001	0.012
Continuity Error (%)	0.022	

****
Highest Continuity Errors
****
Node 16088 (51.38%)
Node 16082 (18.98%)

****
Time-Step Critical Elements
****
Link SMC12 (32.81%)
Link C104 (24.37%)

****
Highest Flow Instability Indexes
****
Link C104 (2)
Link C105 (1)

****
Most Frequent Nonconverging Nodes
****
Convergence obtained at all time steps.

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

Minimum Time Step	:	0.00 sec
Average Time Step	:	3.20 sec
Maximum Time Step	:	5.00 sec
% of Time in Steady State	:	0.00
Average Iterations per Step	:	2.00
% of Steps Not Converging	:	0.00
Time Step Frequencies	:	
5.000 - 3.155 sec	:	55.31 %
3.155 - 1.991 sec	:	14.98 %
1.991 - 1.256 sec	:	9.16 %
1.256 - 0.792 sec	:	13.29 %
0.792 - 0.500 sec	:	7.26 %

****
Subcatchment Runoff Summary
****

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
S1	48.00	24.03	0.00	37.38	1.43	32.04	33.47	0.18	0.02	0.465
S10	48.00	0.00	0.00	37.01	0.95	8.86	9.81	0.08	0.02	0.204
S101	48.00	0.00	0.00	37.24	0.95	8.59	9.54	0.12	0.01	0.199
S102	48.00	0.00	0.00	37.15	0.95	8.69	9.65	0.08	0.01	0.201
S105	48.00	0.00	0.00	37.05	0.95	8.78	9.73	0.06	0.01	0.203
S109	48.00	15.76	0.00	37.33	1.27	23.97	25.24	0.13	0.01	0.396
S11	48.00	0.00	0.00	37.19	0.95	8.63	9.59	0.11	0.01	0.200
S111	48.00	26.61	0.00	37.31	1.49	34.64	36.13	0.26	0.02	0.484
S112	48.00	0.00	0.00	37.08	0.95	8.78	9.73	0.05	0.01	0.203
S113	48.00	0.00	0.00	37.08	0.95	8.77	9.72	0.06	0.01	0.202
S114	48.00	0.00	0.00	37.15	0.95	8.69	9.64	0.10	0.01	0.201
S115	48.00	0.00	0.00	37.17	0.95	8.66	9.62	0.08	0.01	0.200
S127	48.00	0.00	0.00	37.19	0.95	8.64	9.59	0.11	0.01	0.200
S128	48.00	0.00	0.00	37.22	0.95	8.62	9.57	0.08	0.01	0.199
S129	48.00	0.00	0.00	37.15	0.95	8.68	9.63	0.10	0.01	0.201
S130	48.00	0.00	0.00	37.03	0.96	8.81	9.77	0.06	0.01	0.203
S132	48.00	0.00	0.00	37.17	0.95	8.65	9.61	0.11	0.01	0.200
S137	48.00	17.07	0.00	37.73	1.29	24.83	26.12	0.57	0.03	0.401
S144	48.00	0.00	0.00	37.24	0.95	8.60	9.55	0.16	0.01	0.199
S16	48.00	0.00	0.00	37.08	0.95	8.76	9.72	0.06	0.01	0.202
S18	48.00	0.00	0.00	37.03	0.95	8.81	9.76	0.05	0.01	0.203
S19	48.00	0.00	0.00	37.05	0.95	8.80	9.75	0.06	0.01	0.203
S2_1	48.00	0.00	0.00	37.47	0.95					

S2_10			48.00	0.00	0.00	37.03	0.95	
8.83	9.78	0.04	0.01	0.204				
S2_11			48.00	0.00	0.00	37.17	0.95	
8.65	9.60	0.03	0.00	0.200				
S2_12			48.00	0.00	0.00	38.38	0.95	
7.42	8.37	0.21	0.01	0.174				
S2_2			48.00	0.00	0.00	37.89	0.95	
7.93	8.88	0.23	0.01	0.185				
S2_3			48.00	0.00	0.00	37.61	0.95	
8.21	9.16	0.16	0.01	0.191				
S2_5			48.00	0.00	0.00	37.59	0.95	
8.22	9.17	0.37	0.02	0.191				
S2_6			48.00	0.00	0.00	37.50	0.95	
8.33	9.28	0.10	0.01	0.193				
S2_7			48.00	0.00	0.00	37.73	0.95	
8.08	9.03	0.13	0.01	0.188				
S2_8			48.00	0.00	0.00	38.01	0.95	
7.81	8.76	0.32	0.02	0.183				
S23			48.00	0.00	0.00	37.33	0.95	
8.49	9.44	0.24	0.02	0.197				
S25			48.00	0.00	0.00	37.22	0.95	
8.61	9.56	0.12	0.01	0.199				
S29			48.00	0.00	0.00	37.08	0.95	
8.76	9.71	0.05	0.01	0.202				
S3			48.00	5.84	0.00	37.45	1.07	
14.11	15.18	0.20	0.01	0.282				
S33			48.00	0.00	0.00	37.22	0.95	
8.60	9.56	0.13	0.01	0.199				
S34			48.00	0.00	0.00	37.10	0.95	
8.73	9.69	0.15	0.02	0.202				
S36			48.00	0.00	0.00	37.10	0.95	
8.73	9.69	0.14	0.02	0.202				
S37_2			48.00	0.00	0.00	37.17	0.95	
8.67	9.62	0.12	0.01	0.200				
S4			48.00	0.00	0.00	37.05	0.95	
8.79	9.74	0.01	0.00	0.203				
S44			48.00	0.00	0.00	37.05	0.95	
8.79	9.74	0.11	0.02	0.203				
S45			48.00	0.00	0.00	36.98	0.95	
8.89	9.85	0.04	0.01	0.205				
S48			48.00	0.00	0.00	37.17	0.95	
8.67	9.62	0.14	0.01	0.200				
S5			48.00	0.00	0.00	37.10	0.95	
8.75	9.70	0.26	0.03	0.202				
S51			48.00	0.00	0.00	37.22	0.95	
8.60	9.55	0.14	0.01	0.199				
S53			48.00	0.00	0.00	37.19	0.95	
8.64	9.59	0.05	0.00	0.200				
S54			48.00	0.00	0.00	37.03	0.95	
8.81	9.77	0.06	0.01	0.203				
S56			48.00	0.00	0.00	37.08	0.95	
8.76	9.72	0.08	0.01	0.202				
S58			48.00	0.00	0.00	37.03	0.95	
8.82	9.77	0.05	0.01	0.204				
S6			48.00	0.00	0.00	37.08	0.95	
8.75	9.71	0.08	0.01	0.202				
S61			48.00	0.00	0.00	37.29	0.95	
8.53	9.48	0.07	0.01	0.198				
S63			48.00	0.00	0.00	37.33	0.95	
8.49	9.44	0.21	0.02	0.197				

```
  S64                     48.00       0.00       0.00      37.12       0.95
8.71       9.66        0.13     0.02   0.201
  S65                     48.00       0.00       0.00      37.38       0.95
8.44       9.39        0.09     0.01   0.196
  S68                     48.00       0.00       0.00      37.15       0.95
8.70       9.65        0.07     0.01   0.201
  S69                     48.00       0.00       0.00      37.29       0.95
8.53       9.49        0.12     0.01   0.198
  S7                      48.00       0.00       0.00      37.19       0.95
8.63       9.59        0.24     0.02   0.200
  S72                     48.00      27.52       0.00      37.50       1.50
35.33      36.83        0.25     0.02   0.488
  S76                     48.00       0.00       0.00      37.12       0.95
8.72       9.68        0.13     0.02   0.202
  S77                     48.00       0.00       0.00      37.12       0.95
8.72       9.67        0.05     0.01   0.201
  S80                     48.00       0.00       0.00      37.08       0.95
8.76       9.71        0.07     0.01   0.202
  S82                     48.00       0.00       0.00      37.31       0.95
8.52       9.48        0.14     0.01   0.197
  S88                     48.00       0.00       0.00      37.17       0.95
8.67       9.62        0.12     0.01   0.200
  S90                     48.00       0.00       0.00      37.17       0.95
8.66       9.61        0.05     0.01   0.200
  S91                     48.00       0.00       0.00      37.17       0.95
8.65       9.60        0.10     0.01   0.200
  S92                     48.00       0.00       0.00      37.12       0.95
8.70       9.65        0.07     0.01   0.201


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

  ------------------------------------------------------------------------------
                                Average  Maximum  Maximum  Time of Max    Reported
                                  Depth    Depth      HGL   Occurrence   Max Depth
  Node                  Type      Meters   Meters   Meters  days hr:min      Meters
  ------------------------------------------------------------------------------
  16006                 JUNCTION    0.00     0.00    94.59     0  00:00        0.00
  16007                 JUNCTION    0.00     0.00    94.55     0  00:00        0.00
  16016                 JUNCTION    0.00     0.00    94.54     0  00:00        0.00
  16017                 JUNCTION    0.01     0.03    94.51     0  12:00        0.03
  16026                 JUNCTION    0.00     0.01    94.36     0  12:01        0.01
  16027                 JUNCTION    0.01     0.03    93.86     0  12:02        0.03
  16036                 JUNCTION    0.01     0.05    93.84     0  12:03        0.05
  16042                 JUNCTION    0.01     0.03    93.82     0  12:06        0.03
  16047                 JUNCTION    0.00     0.02    93.71     0  12:04        0.02
  16052                 JUNCTION    0.00     0.00    93.73     0  00:00        0.00
  16058                 JUNCTION    0.00     0.00    93.71     0  00:00        0.00
  16064                 JUNCTION    0.00     0.00    93.55     0  00:00        0.00
  16070                 JUNCTION    0.00     0.00    93.72     0  00:00        0.00
  16076                 JUNCTION    0.00     0.00    93.61     0  00:00        0.00
  16082                 JUNCTION    0.02     0.05    93.61     0  12:01        0.05
  16088                 JUNCTION    0.14     0.19    93.61     0  12:01        0.19
  16094                 JUNCTION    0.01     0.04    93.61     0  12:01        0.04
  16100                 JUNCTION    0.01     0.04    93.45     0  12:02        0.04
  16106                 JUNCTION    0.01     0.03    93.23     0  12:02        0.03
```

16112	JUNCTION	0.01	0.04	92.85	0	12:02	0.04
16115	JUNCTION	0.01	0.03	92.71	0	12:05	0.03
16127	JUNCTION	0.02	0.13	93.70	0	12:41	0.13
16130	JUNCTION	0.09	0.28	93.70	0	12:41	0.28
16147	JUNCTION	0.00	0.00	95.44	0	00:00	0.00
16156	JUNCTION	0.00	0.00	94.81	0	00:00	0.00
16159	JUNCTION	0.00	0.00	94.69	0	00:00	0.00
16167	JUNCTION	0.00	0.00	94.53	0	00:00	0.00
16172	JUNCTION	0.00	0.00	95.17	0	00:00	0.00
16178	JUNCTION	0.00	0.00	95.46	0	00:00	0.00
16184	JUNCTION	0.00	0.00	95.47	0	00:00	0.00
16190	JUNCTION	0.00	0.00	95.58	0	00:00	0.00
16196	JUNCTION	0.00	0.00	95.68	0	00:00	0.00
16202	JUNCTION	0.00	0.00	95.72	0	00:00	0.00
16209	JUNCTION	0.00	0.00	96.00	0	00:00	0.00
16215	JUNCTION	0.00	0.00	96.20	0	00:00	0.00
16221	JUNCTION	0.00	0.00	96.34	0	00:00	0.00
16228	JUNCTION	0.00	0.00	96.51	0	00:00	0.00
16234	JUNCTION	0.00	0.00	96.72	0	00:00	0.00
16239	JUNCTION	0.00	0.00	98.39	0	00:00	0.00
16246	JUNCTION	0.00	0.00	98.89	0	00:00	0.00
16251	JUNCTION	0.00	0.00	99.08	0	00:00	0.00
16258	JUNCTION	0.00	0.00	99.21	0	00:00	0.00
16264	JUNCTION	0.00	0.00	99.40	0	00:00	0.00
16270	JUNCTION	0.00	0.00	99.93	0	00:00	0.00
16274	JUNCTION	0.00	0.00	100.26	0	00:00	0.00
16306	JUNCTION	0.00	0.00	101.01	0	00:00	0.00
16307	JUNCTION	0.00	0.00	100.86	0	00:00	0.00
16314	JUNCTION	0.00	0.00	100.25	0	00:00	0.00
16320	JUNCTION	0.00	0.00	100.26	0	00:00	0.00
16326	JUNCTION	0.00	0.00	100.21	0	00:00	0.00
16332	JUNCTION	0.00	0.00	100.05	0	00:00	0.00
16338	JUNCTION	0.00	0.00	99.16	0	00:00	0.00
16341	JUNCTION	0.00	0.00	98.21	0	00:00	0.00
16343	JUNCTION	0.00	0.00	97.87	0	00:00	0.00
16346	JUNCTION	0.00	0.00	97.79	0	00:00	0.00
16347	JUNCTION	0.00	0.00	97.75	0	00:00	0.00
16362	JUNCTION	0.00	0.00	98.19	0	00:00	0.00
16365	JUNCTION	0.00	0.00	98.75	0	00:00	0.00
16373	JUNCTION	0.00	0.00	99.43	0	00:00	0.00
16380	JUNCTION	0.00	0.00	99.56	0	00:00	0.00
16386	JUNCTION	0.00	0.00	99.67	0	00:00	0.00
16393	JUNCTION	0.00	0.00	99.99	0	00:00	0.00
25006	JUNCTION	0.01	0.05	94.62	0	12:02	0.05
25010	JUNCTION	0.01	0.06	94.65	0	12:03	0.06
25014	JUNCTION	0.04	0.09	94.66	0	12:03	0.09
25019	JUNCTION	0.00	0.04	94.66	0	12:03	0.04
25025	JUNCTION	0.00	0.02	94.66	0	12:03	0.02
25028	JUNCTION	0.00	0.00	94.69	0	00:00	0.00
26414	JUNCTION	0.00	0.00	94.58	0	00:00	0.00
26419	JUNCTION	0.00	0.00	94.76	0	00:00	0.00
26432	JUNCTION	0.00	0.01	94.60	0	12:31	0.01
26456	JUNCTION	0.05	0.15	94.60	0	12:31	0.15
26468	JUNCTION	0.04	0.14	94.60	0	12:31	0.14
26481	JUNCTION	0.01	0.06	94.60	0	12:31	0.06
26502	JUNCTION	0.03	0.07	94.65	0	12:03	0.07
26511	JUNCTION	0.01	0.05	94.66	0	12:03	0.05

26541	JUNCTION	0.00	0.00	94.89	0	00:00	0.00
26548	JUNCTION	0.00	0.00	94.97	0	00:00	0.00
26560	JUNCTION	0.00	0.00	95.24	0	00:00	0.00
26567	JUNCTION	0.00	0.00	95.26	0	00:00	0.00
26578	JUNCTION	0.00	0.00	95.36	0	00:00	0.00
26599	JUNCTION	0.00	0.00	95.35	0	00:00	0.00
26602	JUNCTION	0.00	0.00	94.90	0	00:00	0.00
J1	JUNCTION	0.06	0.22	93.70	0	12:40	0.22
J10	JUNCTION	0.01	0.03	103.86	0	13:09	0.03
J101	JUNCTION	0.02	0.05	99.11	0	12:44	0.05
J107	JUNCTION	0.02	0.06	98.22	0	12:34	0.06
J11	JUNCTION	0.01	0.03	103.45	0	13:34	0.03
J111	JUNCTION	0.03	0.06	99.37	0	12:33	0.06
J117	JUNCTION	0.03	0.07	100.52	0	12:32	0.07
J12	JUNCTION	0.01	0.02	108.24	0	13:15	0.02
J13	JUNCTION	0.00	0.01	109.81	0	13:11	0.01
J137	JUNCTION	0.00	0.02	100.45	0	12:01	0.02
J14	JUNCTION	0.03	0.08	92.14	0	12:39	0.08
J15	JUNCTION	0.01	0.02	107.63	0	13:10	0.02
J152	JUNCTION	0.01	0.03	102.62	0	12:03	0.03
J16	JUNCTION	0.01	0.03	101.56	0	12:52	0.03
J160	JUNCTION	0.02	0.07	103.61	0	12:32	0.07
J17	JUNCTION	0.04	0.12	92.85	0	12:40	0.12
J2	JUNCTION	0.03	0.08	97.01	0	12:33	0.08
J253	JUNCTION	0.01	0.03	102.22	0	12:31	0.03
J258	JUNCTION	0.02	0.06	96.37	0	12:34	0.06
J259	JUNCTION	0.04	0.14	99.46	0	12:44	0.14
J266	JUNCTION	0.02	0.06	100.97	0	12:35	0.06
J270	JUNCTION	0.03	0.08	97.04	0	12:33	0.08
J274	JUNCTION	0.02	0.06	91.44	0	12:38	0.06
J276	JUNCTION	0.01	0.05	96.31	0	12:48	0.05
J3	JUNCTION	0.00	0.00	97.56	0	00:00	0.00
J33	JUNCTION	0.03	0.09	94.98	0	12:45	0.09
J35	JUNCTION	0.09	0.20	94.97	0	12:45	0.20
J43	JUNCTION	0.03	0.08	94.89	0	12:43	0.08
J5	JUNCTION	0.03	0.10	91.90	0	12:13	0.10
J53	JUNCTION	0.01	0.03	97.14	0	12:03	0.03
J64	JUNCTION	0.03	0.08	97.58	0	12:48	0.08
J7	JUNCTION	0.00	0.01	110.81	0	12:01	0.01
J8	JUNCTION	0.02	0.07	90.58	0	12:38	0.07
J80	JUNCTION	0.02	0.05	98.13	0	12:49	0.05
J86	JUNCTION	0.01	0.02	98.12	0	12:30	0.02
J9	JUNCTION	0.01	0.03	103.11	0	13:00	0.03
J92	JUNCTION	0.04	0.16	98.44	0	12:49	0.16
16133	OUTFALL	0.09	0.27	93.51	0	12:41	0.27
J4	OUTFALL	0.03	0.11	94.46	0	12:31	0.11
J6	OUTFALL	0.02	0.09	91.59	0	12:13	0.09
OF2	OUTFALL	0.02	0.07	89.69	0	12:38	0.07

****
Node Inflow Summary
****

		Maximum	Maximum				Lateral	Total	Flow

Node	Type	Lateral Inflow CMS	Total Inflow CMS	Time of Max Occurrence days	hr:min	Inflow Volume 10^6 ltr	Inflow Volume 10^6 ltr	Balance Error Percent
16006	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
16007	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
16016	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
16017	JUNCTION	0.013	0.013	0	12:00	0.123	0.123	0.000
16026	JUNCTION	0.000	0.012	0	12:01	0	0.123	0.000
16027	JUNCTION	0.000	0.012	0	12:01	0	0.123	-0.002
16036	JUNCTION	0.000	0.012	0	12:02	0	0.123	0.001
16042	JUNCTION	0.000	0.011	0	12:03	0	0.123	-0.000
16047	JUNCTION	0.000	0.011	0	12:04	0	0.123	0.000
16052	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
16058	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
16064	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
16070	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
16076	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
16082	JUNCTION	0.000	0.005	0	11:57	0	0.00252	23.433
16088	JUNCTION	0.000	0.011	0	11:57	0	0.0108	105.683
16094	JUNCTION	0.033	0.033	0	12:00	0.259	0.261	-0.003
16100	JUNCTION	0.000	0.030	0	12:01	0	0.253	0.001
16106	JUNCTION	0.000	0.030	0	12:02	0	0.253	-0.001
16112	JUNCTION	0.000	0.030	0	12:02	0	0.253	0.000
16115	JUNCTION	0.000	0.031	0	12:03	0	0.253	-0.012
16127	JUNCTION	0.000	0.083	0	12:08	0	0.129	-0.332
16130	JUNCTION	0.000	0.205	0	12:39	0	3.63	0.015
16147	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
16156	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
16159	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr

16167		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16172		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16178		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16184		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16190		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16196		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16202		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16209		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16215		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16221		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16228		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16234		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16239		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16246		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16251		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16258		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16264		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16270		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16274		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16306		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16307		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16314		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16320		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16326		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16332		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16338		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16341		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16343		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16346		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
16347		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						

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  16362                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16365                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16373                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16380                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16386                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16393                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  25006                 JUNCTION     0.000    0.019     0  12:04           0
0.243      -0.001
  25010                 JUNCTION     0.000    0.019     0  12:03           0
0.243      -0.000
  25014                 JUNCTION     0.023    0.023     0  12:00       0.243
0.245       0.176
  25019                 JUNCTION     0.000    0.003     0  12:00           0
0.00152      -0.007
  25025                 JUNCTION     0.000    0.002     0  12:00           0
0.000508       0.231
  25028                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  26414                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  26419                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  26432                 JUNCTION     0.000    0.000     0  12:06           0
8.92e-05       0.295
  26456                 JUNCTION     0.000    0.034     0  12:30           0
0.426       0.001
  26468                 JUNCTION     0.016    0.034     0  12:30       0.183
0.426       0.001
  26481                 JUNCTION     0.000    0.019     0  12:03           0
0.243       0.000
  26502                 JUNCTION     0.000    0.019     0  12:03           0
0.243       0.054
  26511                 JUNCTION     0.000    0.004     0  12:00           0
0.00272       0.010
  26541                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  26548                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  26560                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  26567                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  26578                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  26599                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  26602                 JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  J1                    JUNCTION     0.018    0.200     0  12:33       0.148
3.51       0.019
  J10                   JUNCTION     0.010    0.050     0  13:02      0.0723
1.35       0.004
  J101                  JUNCTION     0.010    0.087     0  12:43        0.12
1.47      -0.013
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J107		JUNCTION	0.011	0.119	0	12:32	0.139
2.41	0.013						
J11		JUNCTION	0.000	0.050	0	13:09	0
1.35	0.008						
J111		JUNCTION	0.019	0.110	0	12:32	0.164
2.27	0.001						
J117		JUNCTION	0.012	0.059	0	12:30	0.116
0.966	-0.078						
J12		JUNCTION	0.021	0.031	0	13:00	0.386
0.831	-0.003						
J13		JUNCTION	0.013	0.022	0	12:00	0.233
0.445	0.009						
J137		JUNCTION	0.020	0.020	0	12:00	0.207
0.207	-0.230						
J14		JUNCTION	0.008	0.162	0	12:39	0.0592
2.71	0.003						
J15		JUNCTION	0.024	0.047	0	13:00	0.447
1.28	0.006						
J152		JUNCTION	0.012	0.012	0	12:00	0.114
0.114	-0.007						
J16		JUNCTION	0.011	0.070	0	12:43	0.0997
1.71	0.003						
J160		JUNCTION	0.034	0.034	0	12:00	0.626
0.626	0.002						
J17		JUNCTION	0.017	0.158	0	12:39	0.109
2.65	0.004						
J2		JUNCTION	0.000	0.166	0	12:33	0
3.06	0.004						
J253		JUNCTION	0.015	0.050	0	12:30	0.11
0.85	0.008						
J258		JUNCTION	0.020	0.189	0	12:32	0.158
3.36	0.002						
J259		JUNCTION	0.021	0.089	0	12:30	0.178
1.35	0.120						
J266		JUNCTION	0.030	0.098	0	12:33	0.396
2.1	0.029						
J270		JUNCTION	0.031	0.167	0	12:31	0.336
3.06	0.011						
J274		JUNCTION	0.015	0.167	0	12:38	0.0815
2.79	0.001						
J276		JUNCTION	0.010	0.110	0	12:47	0.0441
1.88	0.003						
J3		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
J33		JUNCTION	0.027	0.125	0	12:44	0.252
2.13	0.016						
J35		JUNCTION	0.012	0.133	0	12:43	0.129
2.26	0.119						
J43		JUNCTION	0.025	0.150	0	12:42	0.288
2.54	0.002						
J5		JUNCTION	0.000	0.029	0	12:05	0
0.253	0.023						
J53		JUNCTION	0.014	0.014	0	12:00	0.138
0.138	-0.020						
J64		JUNCTION	0.022	0.107	0	12:47	0.2
1.83	0.000						
J7		JUNCTION	0.010	0.010	0	12:00	0.212
0.212	-0.002						
J8		JUNCTION	0.010	0.174	0	12:37	0.107
2.9	0.007						

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  J80                JUNCTION     0.006    0.095     0  12:49      0.0738
1.63       0.009
  J86                JUNCTION     0.025    0.025     0  12:30       0.321
0.321      -0.030
  J9                 JUNCTION     0.025    0.064     0  12:59       0.259
1.61       0.005
  J92                JUNCTION     0.006    0.092     0  12:43      0.0874
1.56       0.019
  16133              OUTFALL      0.000    0.203     0  12:41           0
3.63       0.000
  J4                 OUTFALL      0.000    0.034     0  12:31           0
0.426       0.000
  J6                 OUTFALL      0.000    0.024     0  12:13           0
0.253       0.000
  OF2                OUTFALL      0.015    0.188     0  12:38       0.215
3.11       0.000


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

  No nodes were surcharged.


  **********************
  Node Flooding Summary
  **********************

  No nodes were flooded.


  ************************
  Outfall Loading Summary
  ************************

  -------------------------------------------------------------
                        Flow       Avg       Max       Total
                        Freq      Flow      Flow      Volume
  Outfall Node           Pcnt       CMS       CMS    10^6 ltr
  -------------------------------------------------------------
  16133                 97.03     0.043     0.203       3.627
  J4                    66.75     0.008     0.034       0.426
  J6                    64.90     0.005     0.024       0.253
  OF2                   91.34     0.041     0.188       3.114
  -------------------------------------------------------------
  System                80.01     0.097     0.445       7.420


  ********************
  Link Flow Summary
  ********************

  ---------------------------------------------------------------------------------
                               Maximum  Time of Max   Maximum    Max/    Max/
                                |Flow|   Occurrence   |Veloc|    Full    Full
  Link                 Type        CMS  days hr:min     m/sec    Flow   Depth
  ---------------------------------------------------------------------------------
```

C1	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C10	CONDUIT	0.009	0	12:04	0.15	0.01	0.05
C100	CHANNEL	0.162	0	12:39	1.65	0.00	0.10
C101	CHANNEL	0.167	0	12:38	1.77	0.00	0.07
C102	CONDUIT	0.013	0	12:04	0.30	0.00	0.02
C103	CHANNEL	0.174	0	12:38	1.05	0.03	0.19
C104	CONDUIT	0.094	0	12:08	0.29	0.00	0.07
C105	CONDUIT	0.194	0	12:41	0.26	0.00	0.08
C106	CONDUIT	0.031	0	12:03	0.32	0.00	0.03
C107	CONDUIT	0.030	0	12:02	0.34	0.00	0.04
C108	CONDUIT	0.030	0	12:02	0.38	0.00	0.04
C11	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C110	CONDUIT	0.030	0	12:01	0.33	0.00	0.04
C111	CONDUIT	0.011	0	11:57	0.04	0.00	0.14
C112	CONDUIT	0.005	0	11:57	0.02	0.00	0.15
C113	CONDUIT	0.000	0	00:00	0.00	0.00	0.03
C114	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C115	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C116	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C118	CONDUIT	0.000	0	00:00	0.00	0.00	0.04
C12	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C13	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C14	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C15	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C16	CONDUIT	0.024	0	12:13	0.74	0.04	0.13
C17	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C19	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C2	CONDUIT	0.203	0	12:41	1.39	0.29	0.37
C20	CONDUIT	0.011	0	12:03	0.15	0.01	0.07
C21	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C22	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C23	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C24	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C25	CHANNEL	0.018	0	12:01	0.18	0.01	0.50
C28	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C29	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C3	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C31	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C32	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C33	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C34	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C35	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C37	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C38	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C39	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C4	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C40	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C41	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C42	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C43	CONDUIT	0.034	0	12:31	0.70	0.09	0.19
C44	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C45	CONDUIT	0.032	0	12:32	0.30	0.01	0.08
C48	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C49	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C5	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C50	CHANNEL	0.025	0	12:30	0.28	0.00	0.16
C51	CONDUIT	0.000	0	00:00	0.00	0.00	0.00

C52	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C53	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C54	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C55	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C56	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C57	CHANNEL	0.050	0	12:31	0.45	0.02	0.20
C58	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C59	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C6	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C61	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C63	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C64	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C65	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
C66	CONDUIT	0.002	0	12:00	0.05	0.00	0.05
C67	CONDUIT	0.003	0	12:00	0.04	0.00	0.07
C68	CONDUIT	0.004	0	12:00	0.03	0.00	0.11
C69	CONDUIT	0.019	0	12:03	0.11	0.01	0.14
C7	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C70	CHANNEL	0.058	0	12:32	0.66	0.00	0.11
C71	CONDUIT	0.019	0	12:03	0.14	0.01	0.11
C73	CONDUIT	0.019	0	12:04	0.18	0.02	0.08
C74	CONDUIT	0.019	0	12:03	0.21	0.01	0.09
C75	CONDUIT	0.080	0	12:44	0.38	0.02	0.10
C76	CONDUIT	0.019	0	12:32	0.10	0.01	0.17
C77	CONDUIT	0.034	0	12:30	0.10	0.04	0.24
C78	CONDUIT	0.000	0	12:06	0.00	0.00	0.13
C79	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C8	CONDUIT	0.029	0	12:05	0.22	0.00	0.06
C81	CHANNEL	0.087	0	12:44	0.33	0.10	0.69
C82	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C83	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C84	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C86	CONDUIT	0.091	0	12:49	0.40	0.02	0.10
C87	CHANNEL	0.095	0	12:49	0.65	0.00	0.11
C88	CONDUIT	0.000	0	00:00	0.00	0.00	0.01
C89	CHANNEL	0.107	0	12:48	1.92	0.00	0.09
C9	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C90	CONDUIT	0.012	0	12:01	0.22	0.00	0.01
C91	CHANNEL	0.110	0	12:48	0.72	0.00	0.08
C92	CONDUIT	0.012	0	12:01	0.22	0.00	0.01
C93	CHANNEL	0.125	0	12:45	0.43	0.01	0.20
C94	CONDUIT	0.012	0	12:02	0.12	0.00	0.02
C95	CHANNEL	0.133	0	12:46	0.45	0.06	0.23
C96	CHANNEL	0.150	0	12:43	1.10	0.00	0.10
C97	CONDUIT	0.011	0	12:03	0.12	0.00	0.01
C98	CONDUIT	0.011	0	12:04	0.20	0.00	0.01
C99	CHANNEL	0.157	0	12:40	2.02	0.00	0.10
SMC01	CONDUIT	0.008	0	12:01	0.09	0.00	0.03
SMC02	CONDUIT	0.015	0	13:11	0.09	0.00	0.06
SMC03	CONDUIT	0.030	0	13:13	0.15	0.01	0.07
SMC04	CONDUIT	0.047	0	13:10	0.20	0.01	0.08
SMC05	CONDUIT	0.050	0	13:09	0.18	0.02	0.09
SMC06	CONDUIT	0.050	0	13:15	0.18	0.02	0.09
SMC07	CONDUIT	0.064	0	13:00	0.23	0.02	0.09
SMC08	CONDUIT	0.070	0	12:52	0.16	0.02	0.14
SMC09	CHANNEL	0.098	0	12:35	0.92	0.01	0.20
SMC10	CHANNEL	0.110	0	12:33	1.35	0.01	0.08

SMC11	CHANNEL	0.119	0	12:34	0.88	0.01	0.11
SMC12	CHANNEL	0.166	0	12:33	1.04	0.01	0.13
SMC13	CHANNEL	0.166	0	12:33	1.31	0.01	0.11
SMC14	CHANNEL	0.189	0	12:34	0.66	0.01	0.28

****
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
C1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C10	1.00	0.00	0.24	0.00	0.76	0.00	0.00	0.00	0.95	0.00
C100	1.00	0.00	0.00	0.00	0.02	0.98	0.00	0.00	0.02	0.00
C101	1.00	0.00	0.00	0.00	0.02	0.98	0.00	0.00	0.48	0.00
C102	1.00	0.25	0.05	0.00	0.70	0.00	0.00	0.00	0.36	0.00
C103	1.00	0.00	0.00	0.00	0.09	0.91	0.00	0.00	0.28	0.00
C104	1.00	0.00	0.28	0.00	0.72	0.00	0.00	0.00	0.86	0.00
C105	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.71	0.00
C106	1.00	0.21	0.02	0.00	0.77	0.00	0.00	0.00	0.45	0.00
C107	1.00	0.23	0.09	0.00	0.68	0.00	0.00	0.00	0.71	0.00
C108	1.00	0.30	0.00	0.00	0.69	0.00	0.00	0.00	0.04	0.00
C11	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	0.04	0.00	0.66	0.00	0.00	0.00	0.66	0.00
C111	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00	0.60	0.00
C112	1.00	0.00	0.25	0.00	0.75	0.00	0.00	0.00	0.00	0.00
C113	1.00	0.25	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C114	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C115	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C116	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C118	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C12	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C13	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C14	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C15	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C16	1.00	0.03	0.00	0.00	0.92	0.05	0.00	0.00	0.00
0.00									
C17	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C19	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C2	1.00	0.00	0.00	0.00	0.69	0.31	0.00	0.00	0.00
0.00									
C20	1.00	0.00	0.24	0.00	0.76	0.00	0.00	0.00	0.95
0.00									
C21	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C22	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C23	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C24	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C25	1.00	0.00	0.37	0.00	0.63	0.00	0.00	0.00	0.99
0.00									
C28	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C29	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C31	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C32	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C33	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C34	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C35	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	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									
C38	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C39	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C40	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C41	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C42	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C43	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00
0.00									

C44	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C45	1.00	0.00	0.19	0.00	0.81	0.00	0.00	0.00	0.66
0.00									
C48	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C49	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C5	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C50	1.00	0.00	0.00	0.00	0.97	0.03	0.00	0.00	0.97
0.00									
C51	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C52	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C53	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C54	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C55	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C56	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C57	1.00	0.00	0.00	0.00	0.97	0.03	0.00	0.00	0.98
0.00									
C58	1.00	1.00	0.00	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	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C61	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C63	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C64	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C65	1.00	0.89	0.11	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C66	1.00	0.87	0.01	0.00	0.11	0.00	0.00	0.00	0.72
0.00									
C67	1.00	0.72	0.16	0.00	0.13	0.00	0.00	0.00	0.66
0.00									
C68	1.00	0.00	0.72	0.00	0.28	0.00	0.00	0.00	0.50
0.00									
C69	1.00	0.00	0.03	0.00	0.97	0.00	0.00	0.00	0.00
0.00									
C7	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C70	1.00	0.00	0.00	0.00	0.22	0.78	0.00	0.00	0.29
0.00									
C71	1.00	0.03	0.12	0.00	0.84	0.00	0.00	0.00	0.28
0.00									
C73	1.00	0.20	0.00	0.00	0.80	0.00	0.00	0.00	0.01
0.00									
C74	1.00	0.21	0.06	0.00	0.72	0.00	0.00	0.00	0.22
0.00									
C75	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.70
0.00									

C76	1.00	0.05	0.19	0.00	0.76	0.00	0.00	0.00	0.90
0.00									
C77	1.00	0.00	0.05	0.00	0.95	0.00	0.00	0.00	0.48
0.00									
C78	1.00	0.01	0.97	0.00	0.02	0.00	0.00	0.00	0.73
0.00									
C79	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C8	1.00	0.00	0.21	0.00	0.79	0.00	0.00	0.00	0.95
0.00									
C81	1.00	0.00	0.00	0.00	0.30	0.69	0.00	0.00	0.32
0.00									
C82	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C83	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C84	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C86	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.69
0.00									
C87	1.00	0.00	0.00	0.00	0.67	0.33	0.00	0.00	0.99
0.00									
C88	1.00	0.43	0.57	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C89	1.00	0.00	0.00	0.00	0.02	0.98	0.00	0.00	0.00
0.00									
C9	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C90	1.00	0.43	0.00	0.00	0.57	0.00	0.00	0.00	0.00
0.00									
C91	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.99
0.00									
C92	1.00	0.39	0.05	0.00	0.56	0.00	0.00	0.00	0.61
0.00									
C93	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99
0.00									
C94	1.00	0.01	0.38	0.00	0.61	0.00	0.00	0.00	0.97
0.00									
C95	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.06
0.00									
C96	1.00	0.00	0.00	0.00	0.02	0.98	0.00	0.00	0.96
0.00									
C97	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00
0.00									
C98	1.00	0.27	0.01	0.00	0.73	0.00	0.00	0.00	0.53
0.00									
C99	1.00	0.00	0.00	0.00	0.02	0.98	0.00	0.00	0.00
0.00									
SMC01	1.00	0.00	0.22	0.00	0.78	0.00	0.00	0.00	0.93
0.00									
SMC02	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.99
0.00									
SMC03	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.04
0.00									
SMC04	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.95
0.00									
SMC05	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.87
0.00									
SMC06	1.00	0.00	0.03	0.00	0.97	0.00	0.00	0.00	0.07
0.00									

SMC07	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.87	0.00
SMC08	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
SMC09	1.00	0.00	0.00	0.00	0.07	0.93	0.00	0.00	0.98	0.00
SMC10	1.00	0.00	0.00	0.00	0.02	0.98	0.00	0.00	0.00	0.00
SMC11	1.00	0.00	0.00	0.00	0.51	0.49	0.00	0.00	1.00	0.00
SMC12	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.67	0.00
SMC13	1.00	0.00	0.02	0.00	0.01	0.97	0.00	0.00	0.02	0.00
SMC14	1.00	0.00	0.00	0.00	0.30	0.70	0.00	0.00	0.38	0.00

****
Conduit Surcharge Summary
****

	Hours Full			Hours Above Full	Hours Capacity
Conduit	Both Ends	Upstream	Dnstream	Normal Flow	Limited
C81	0.01	0.01	1.66	0.01	0.01

Analysis begun on: Wed Nov 5 09:59:43 2025
Analysis ended on: Wed Nov 5 09:59:47 2025
Total elapsed time: 00:00:04

Appendix B-3: Post-development 24h storm 100y event

EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)

****
Element Count
****
Number of rain gages 8
Number of subcatchments ... 120
Number of nodes 183
Number of links 178
Number of pollutants 0
Number of land uses 0

****
Raingage Summary
****

Name	Data Source	Data Type	Recording Interval
100y_103.5mm	100y_103.5mm	INTENSITY	15 min.
10y_72mm	10y_72mm	INTENSITY	15 min.
25y_84mm	25y_84mm	INTENSITY	15 min.
2y_48mm	2y_48mm	INTENSITY	15 min.
50y_93.6mm	50y_93.6mm	INTENSITY	15 min.
5y_62.4mm	5y_62.4mm	INTENSITY	15 min.
Chicago_4h	Chicago_4h	INTENSITY	10 min.
SCS_Type_II_124mm	SCS_Type_II_124mm	INTENSITY	15 min.

****
Subcatchment Summary
****

Name	Area	Width	%Imperv	%Slope	Rain Gage	Outlet
S1	0.42	60.64	2.00	3.5020	100y_103.5mm	J2
S1_1	0.44	130.25	2.00	8.4310	100y_103.5mm	J45
S1_3	0.73	78.61	2.00	13.4690	100y_103.5mm	J68
S1_4	0.47	54.00	2.00	13.1040	100y_103.5mm	J67
S1_5	0.32	62.94	2.00	10.9930	100y_103.5mm	J69
S1_6	0.25	23.15	2.00	11.0340	100y_103.5mm	J65
S1_7	0.44	70.98	2.00	12.9290	100y_103.5mm	25025
S1_8	0.23	25.99	2.00	15.8670	100y_103.5mm	J66
S10	0.83	166.64	2.00	8.5600	100y_103.5mm	J274
S109_2	0.12	21.34	2.00	3.7120	100y_103.5mm	J11

S11	1.12	99.21	2.00	5.6280	100y_103.5mm J8
S112	0.51	72.89	2.00	7.1560	100y_103.5mm J253
S113	0.62	92.70	2.00	6.1840	100y_103.5mm J253
S114	1.03	136.68	2.00	3.8580	100y_103.5mm J16
S115_1	0.83	105.12	2.00	9.2830	100y_103.5mm J30
S115_2	0.01	0.90	80.00	9.1880	100y_103.5mm J30
S12	2.83	227.48	2.00	7.2780	100y_103.5mm S76_3
S127	1.17	59.44	2.00	9.1760	100y_103.5mm J29
S129_2	0.67	68.87	2.00	7.2460	100y_103.5mm J95
S130	0.62	87.35	2.00	10.8400	100y_103.5mm J160
S132	1.19	88.41	2.00	9.3970	100y_103.5mm J152
S137	2.16	101.18	2.00	9.3820	100y_103.5mm J160
S144	1.69	133.94	2.00	5.3900	100y_103.5mm J95
S15_4	0.19	16.96	2.00	6.7670	100y_103.5mm J258
S16	0.61	65.66	2.00	11.2500	100y_103.5mm J14
S18	0.54	86.45	2.00	8.2240	100y_103.5mm J17
S19	0.58	83.01	2.00	9.3820	100y_103.5mm J17
S2	0.43	32.38	2.00	5.2930	100y_103.5mm J20
S2_1	1.39	181.65	2.00	0.5000	100y_103.5mm J15
S2_10	0.39	84.02	2.00	6.3330	100y_103.5mm J10
S2_11	0.36	112.88	2.00	5.2800	100y_103.5mm J10
S2_13	0.02	53.25	80.00	10.8580	100y_103.5mm S2_16
S2_14	0.03	67.50	80.00	10.8580	100y_103.5mm S2_16
S2_15	0.21	37.14	2.00	8.6180	100y_103.5mm J62
S2_16	0.56	59.43	2.00	8.9160	100y_103.5mm J71
S2_17	0.42	24.84	2.00	9.5260	100y_103.5mm 25014
S2_18	0.15	113.59	2.00	12.9330	100y_103.5mm J41
S2_19	0.07	60.26	2.00	5.5370	100y_103.5mm J37
S2_2	2.58	161.29	2.00	0.5000	100y_103.5mm J12
S2_20	0.17	94.07	2.00	5.0310	100y_103.5mm J40

S2_21	0.21	191.77	2.00	15.3440	100y_103.5mm J44
S2_22	0.07	5.51	2.00	3.1210	100y_103.5mm J26
S2_23	0.32	56.49	2.00	5.3410	100y_103.5mm J34
S2_24	0.04	2.68	2.00	3.2280	100y_103.5mm J60
S2_25	0.04	2.76	2.00	6.8230	100y_103.5mm J59
S2_26	0.03	2.02	2.00	2.5570	100y_103.5mm J61
S2_27	0.04	101.75	80.00	10.8580	100y_103.5mm S2_17
S2_28	0.02	56.75	80.00	10.8580	100y_103.5mm J36
S2_29	0.03	85.00	80.00	10.8580	100y_103.5mm S2_17
S2_3	1.71	167.18	2.00	0.5000	100y_103.5mm J12
S2_30	0.03	74.75	80.00	10.8580	100y_103.5mm S2_17
S2_31	0.02	43.50	80.00	10.8580	100y_103.5mm S2_16
S2_32	0.03	62.75	80.00	10.8580	100y_103.5mm J46
S2_33	2.22	77.70	2.00	0.5000	100y_103.5mm J7
S2_34	0.02	58.00	80.00	10.8580	100y_103.5mm J60
S2_35	0.02	61.00	80.00	10.8580	100y_103.5mm J58
S2_36	0.04	101.75	80.00	10.8580	100y_103.5mm J68
S2_37	0.02	57.50	80.00	10.8580	100y_103.5mm 25025
S2_38	0.03	73.75	80.00	10.8580	100y_103.5mm J69
S2_39	0.03	86.50	80.00	10.8580	100y_103.5mm J67
S2_4	0.02	1.80	80.00	10.8580	100y_103.5mm J65
S2_40	0.02	46.50	80.00	10.8580	100y_103.5mm J59
S2_41	0.02	39.25	80.00	10.8580	100y_103.5mm J61
S2_5	4.03	402.57	2.00	0.5000	100y_103.5mm S137
S2_6	1.06	131.17	2.00	0.5000	100y_103.5mm J13
S2_7	1.49	116.11	2.00	0.5000	100y_103.5mm J13
S2_8	3.63	193.79	2.00	0.5000	100y_103.5mm J15
S2_9	0.18	28.43	2.00	8.1520	100y_103.5mm 26481
S20	0.66	73.09	2.00	3.1140	100y_103.5mm J84
S20_1	0.60	53.34	100.00	4.7900	100y_103.5mm J56

S20_10	0.59	52.76	100.00	4.7900	100y_103.5mm J47
S20_11	0.72	64.74	100.00	4.7900	100y_103.5mm J51
S20_12	0.04	3.32	80.00	4.7900	100y_103.5mm J63
S20_13	0.79	70.89	100.00	4.7900	100y_103.5mm J94
S20_2	0.12	11.11	80.00	4.7900	100y_103.5mm J50
S20_3	1.02	90.71	100.00	4.7900	100y_103.5mm SU1
S20_6	0.11	9.56	80.00	4.7900	100y_103.5mm J54
S20_7	0.15	13.75	100.00	4.7900	100y_103.5mm J39
S20_8	0.77	68.93	100.00	4.7900	100y_103.5mm J55
S20_9	0.61	54.20	100.00	4.7900	100y_103.5mm J48
S22	0.69	74.04	2.00	3.4340	100y_103.5mm J28
S22_1	0.04	29.29	2.00	13.4350	100y_103.5mm J31
S22_4	0.03	6.99	80.00	4.0500	100y_103.5mm J30
S22_5	0.05	9.73	80.00	4.0500	100y_103.5mm J29
S23	2.50	130.11	2.00	6.3060	100y_103.5mm J43
S25	1.22	88.61	2.00	7.0290	100y_103.5mm J33
S29	0.54	76.64	2.00	6.0420	100y_103.5mm J43
S3	1.32	84.06	2.00	4.7850	100y_103.5mm OF2
S33	1.35	98.82	2.00	6.6690	100y_103.5mm J35
S34	1.52	145.82	2.00	10.8830	100y_103.5mm J1
S36	1.40	164.77	2.00	7.1970	100y_103.5mm J33
S37_2	1.28	119.80	2.00	6.4540	100y_103.5mm 16017
S4	0.14	22.22	2.00	6.8700	100y_103.5mm OF2
S44_3	0.66	108.33	2.00	5.0580	100y_103.5mm J258
S45	0.45	124.15	2.00	7.1480	100y_103.5mm J276
S48_1	1.26	126.59	2.00	5.5230	100y_103.5mm J53
S5	2.67	266.72	2.00	11.3200	100y_103.5mm 16094
S51	1.46	121.71	2.00	4.9010	100y_103.5mm J64
S54	0.63	155.42	2.00	3.5050	100y_103.5mm J64
S56_1	0.29	79.18	2.00	10.3720	100y_103.5mm J42

S6	0.80	79.72	2.00	11.8730	100y_103.5mm	S3
S61	0.78	60.77	2.00	3.6030	100y_103.5mm	J80
S63_2	0.33	20.72	2.00	4.0010	100y_103.5mm	J19
S63_3	0.39	24.30	2.00	4.7660	100y_103.5mm	S51
S65	0.93	56.61	2.00	3.5920	100y_103.5mm	J92
S69	1.27	82.51	2.00	5.3450	100y_103.5mm	J101
S7	0.49	48.42	80.00	4.8080	100y_103.5mm	J52
S76_3	0.78	112.40	2.00	5.1360	100y_103.5mm	J73
S77	0.50	64.02	2.00	5.3700	100y_103.5mm	J259
S8	0.32	29.77	80.00	4.7290	100y_103.5mm	J49
S80_3	0.03	4.55	80.00	6.6690	100y_103.5mm	J34
S88_2	1.01	77.93	2.00	8.2360	100y_103.5mm	J32
S88_3	0.06	5.56	80.00	7.4640	100y_103.5mm	J32
S9_1	0.36	49.15	2.00	7.4830	100y_103.5mm	J258
S9_2	0.20	16.52	2.00	5.5990	100y_103.5mm	J74
S9_3	0.25	20.93	2.00	5.5990	100y_103.5mm	J78
S90	0.53	59.02	2.00	4.3430	100y_103.5mm	J117
S91_1	0.05	5.23	80.00	5.3300	100y_103.5mm	J31
S91_2	0.24	56.73	2.00	10.1680	100y_103.5mm	J31
S92	0.67	57.07	2.00	10.2410	100y_103.5mm	J117

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Node Summary
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Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
16017	JUNCTION	94.48	1.14	0.0	
16026	JUNCTION	94.35	1.24	0.0	
16027	JUNCTION	93.83	3.17	0.0	
16047	JUNCTION	93.69	1.87	0.0	
16052	JUNCTION	93.73	1.86	0.0	
16058	JUNCTION	93.71	0.80	0.0	
16064	JUNCTION	93.55	1.00	0.0	
16070	JUNCTION	93.72	0.80	0.0	
16076	JUNCTION	93.61	0.80	0.0	
16082	JUNCTION	93.56	0.80	0.0	
16088	JUNCTION	93.42	0.80	0.0	

16094	JUNCTION	93.57	0.80	0.0
16100	JUNCTION	93.42	0.80	0.0
16106	JUNCTION	93.20	0.80	0.0
16112	JUNCTION	92.80	1.08	0.0
16115	JUNCTION	92.67	1.10	0.0
16127	JUNCTION	93.57	1.93	0.0
16130	JUNCTION	93.42	2.08	0.0
16147	JUNCTION	95.44	0.60	0.0
16156	JUNCTION	94.81	0.60	0.0
16159	JUNCTION	94.69	1.00	0.0
16167	JUNCTION	94.53	1.00	0.0
16172	JUNCTION	95.17	0.60	0.0
16178	JUNCTION	95.46	0.60	0.0
16184	JUNCTION	95.47	0.60	0.0
16190	JUNCTION	95.58	0.60	0.0
16196	JUNCTION	95.68	0.60	0.0
16202	JUNCTION	95.72	0.60	0.0
16209	JUNCTION	96.00	0.60	0.0
16215	JUNCTION	96.20	0.60	0.0
16221	JUNCTION	96.34	0.60	0.0
16228	JUNCTION	96.51	0.60	0.0
16234	JUNCTION	96.72	0.60	0.0
16239	JUNCTION	98.39	0.60	0.0
16246	JUNCTION	98.89	0.60	0.0
16251	JUNCTION	99.08	1.25	0.0
16258	JUNCTION	99.21	0.60	0.0
16264	JUNCTION	99.40	0.60	0.0
16270	JUNCTION	99.93	0.60	0.0
16274	JUNCTION	100.26	0.60	0.0
16306	JUNCTION	101.01	0.60	0.0
16307	JUNCTION	100.86	0.60	0.0
16314	JUNCTION	100.25	0.60	0.0
16320	JUNCTION	100.26	0.60	0.0
16326	JUNCTION	100.21	0.60	0.0
16332	JUNCTION	100.05	0.60	0.0
16338	JUNCTION	99.16	0.60	0.0
16341	JUNCTION	98.21	0.60	0.0
16343	JUNCTION	97.87	0.60	0.0
16346	JUNCTION	97.79	0.60	0.0
16347	JUNCTION	97.75	1.00	0.0
16362	JUNCTION	98.19	0.60	0.0
16365	JUNCTION	98.75	0.60	0.0
16373	JUNCTION	99.43	0.60	0.0
16380	JUNCTION	99.56	0.60	0.0
16386	JUNCTION	99.67	0.60	0.0
16393	JUNCTION	99.99	0.60	0.0
25006	JUNCTION	94.58	2.42	0.0
25010	JUNCTION	94.59	0.96	0.0
25014	JUNCTION	94.56	0.99	0.0
25025	JUNCTION	94.64	1.00	0.0
25028	JUNCTION	94.69	0.95	0.0
26414	JUNCTION	94.58	1.42	0.0
26419	JUNCTION	94.76	1.15	0.0
26432	JUNCTION	94.58	0.88	0.0
26456	JUNCTION	94.45	1.06	0.0
26468	JUNCTION	94.46	1.05	0.0
26481	JUNCTION	94.53	1.05	0.0

26502	JUNCTION	94.58	0.98	0.0
26541	JUNCTION	94.89	0.79	0.0
26548	JUNCTION	94.97	0.80	0.0
26560	JUNCTION	95.24	0.70	0.0
26567	JUNCTION	95.26	0.71	0.0
26578	JUNCTION	95.36	0.67	0.0
26599	JUNCTION	95.35	0.60	0.0
26602	JUNCTION	94.90	0.60	0.0
J1	JUNCTION	93.48	2.11	0.0
J10	JUNCTION	103.83	0.30	0.0
J101	JUNCTION	99.06	1.00	0.0
J11	JUNCTION	99.81	1.34	0.0
J117	JUNCTION	100.45	1.00	0.0
J12	JUNCTION	108.21	0.30	0.0
J13	JUNCTION	109.80	0.30	0.0
J14	JUNCTION	92.06	1.50	0.0
J15	JUNCTION	107.62	0.30	0.0
J152	JUNCTION	102.59	1.00	0.0
J16	JUNCTION	100.03	0.68	0.0
J160	JUNCTION	103.54	1.00	0.0
J17	JUNCTION	92.73	1.50	0.0
J18	JUNCTION	97.23	0.64	0.0
J19	JUNCTION	98.30	1.44	0.0
J2	JUNCTION	99.02	1.98	0.0
J20	JUNCTION	99.58	1.46	0.0
J21	JUNCTION	100.38	0.43	0.0
J22	JUNCTION	97.02	0.47	0.0
J23	JUNCTION	96.61	0.99	0.0
J24	JUNCTION	96.89	0.30	0.0
J25	JUNCTION	96.64	0.69	0.0
J253	JUNCTION	102.19	1.00	0.0
J258	JUNCTION	96.88	0.50	0.0
J259	JUNCTION	99.32	1.00	0.0
J26	JUNCTION	97.92	0.56	0.0
J27	JUNCTION	96.67	0.49	0.0
J274	JUNCTION	91.38	1.00	0.0
J276	JUNCTION	96.26	1.00	0.0
J28	JUNCTION	100.50	1.24	0.0
J29	JUNCTION	101.05	1.24	0.0
J3	JUNCTION	97.56	1.00	0.0
J30	JUNCTION	101.35	1.11	0.0
J31	JUNCTION	101.79	1.00	0.0
J32	JUNCTION	102.00	0.99	0.0
J33	JUNCTION	94.89	1.00	0.0
J34	JUNCTION	102.37	1.03	0.0
J35	JUNCTION	94.77	1.00	0.0
J36	JUNCTION	94.59	0.96	0.0
J37	JUNCTION	96.52	1.84	0.0
J38	JUNCTION	96.70	1.90	0.0
J39	JUNCTION	97.52	1.25	0.0
J40	JUNCTION	96.30	2.90	0.0
J41	JUNCTION	96.18	2.87	0.0
J42	JUNCTION	96.00	3.00	0.0
J43	JUNCTION	94.81	1.00	0.0
J44	JUNCTION	95.50	1.18	0.0
J45	JUNCTION	94.83	1.17	0.0
J46	JUNCTION	98.24	0.83	0.0

J47	JUNCTION	97.20	1.26	0.0
J48	JUNCTION	98.28	0.82	0.0
J49	JUNCTION	100.90	1.10	0.0
J5	JUNCTION	91.80	1.00	0.0
J50	JUNCTION	98.83	1.17	0.0
J51	JUNCTION	98.30	1.57	0.0
J52	JUNCTION	100.00	1.00	0.0
J53	JUNCTION	97.11	0.42	0.0
J54	JUNCTION	99.09	1.26	0.0
J55	JUNCTION	98.63	1.37	0.0
J56	JUNCTION	97.60	0.94	0.0
J57	JUNCTION	103.38	0.33	0.0
J58	JUNCTION	99.58	1.21	0.0
J59	JUNCTION	99.23	0.99	0.0
J60	JUNCTION	98.60	0.72	0.0
J61	JUNCTION	98.31	0.78	0.0
J62	JUNCTION	102.00	1.38	0.0
J63	JUNCTION	99.60	3.85	0.0
J64	JUNCTION	97.50	1.00	0.0
J65	JUNCTION	99.15	1.13	0.0
J66	JUNCTION	98.40	1.10	0.0
J67	JUNCTION	96.00	2.00	0.0
J68	JUNCTION	95.00	2.00	0.0
J69	JUNCTION	94.84	2.16	0.0
J7	JUNCTION	110.80	0.30	0.0
J70	JUNCTION	99.64	0.98	0.0
J71	JUNCTION	98.00	0.47	0.0
J72	JUNCTION	97.56	1.40	0.0
J73	JUNCTION	99.79	1.00	0.0
J74	JUNCTION	97.38	0.84	0.0
J75	JUNCTION	97.89	1.54	0.0
J76	JUNCTION	94.06	1.52	0.0
J77	JUNCTION	97.65	1.12	0.0
J78	JUNCTION	97.75	1.23	0.0
J79	JUNCTION	99.97	0.89	0.0
J8	JUNCTION	90.51	1.00	0.0
J80	JUNCTION	98.08	1.00	0.0
J81	JUNCTION	95.11	1.39	0.0
J82	JUNCTION	97.49	0.99	0.0
J83	JUNCTION	100.20	0.55	0.0
J84	JUNCTION	100.69	0.39	0.0
J85	JUNCTION	99.92	2.08	0.0
J86	JUNCTION	98.70	1.36	0.0
J87	JUNCTION	99.98	1.07	0.0
J88	JUNCTION	101.58	1.05	0.0
J89	JUNCTION	97.65	0.85	0.0
J9	JUNCTION	97.63	1.37	0.0
J90	JUNCTION	102.30	1.04	0.0
J91	JUNCTION	96.60	1.62	0.0
J92	JUNCTION	98.28	1.00	0.0
J93	JUNCTION	99.20	1.97	0.0
J94	JUNCTION	97.82	0.66	0.0
J95	JUNCTION	102.50	0.35	0.0
16133	OUTFALL	93.30	0.70	0.0
J4	OUTFALL	94.34	0.60	0.0
J6	OUTFALL	91.50	0.75	0.0
OF2	OUTFALL	89.62	0.36	0.0

SU1 STORAGE 95.50 3.00 0.0

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Link Summary
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Name	From Node	To Node	Type	Length	% Slope	Roughness
C1	16393	16386	CONDUIT	13.2	2.4516	0.0400
C10	J152	J253	CONDUIT	84.4	0.4739	0.0400
C100	J14	J274	CONDUIT	51.1	1.3304	0.0100
C101	J274	J8	CONDUIT	24.2	3.6035	0.0100
C102	16047	16127	CONDUIT	6.5	1.9636	0.0400
C103	J8	OF2	CONDUIT	143.4	0.6208	0.0100
C104	16127	16130	CONDUIT	1.2	12.4462	0.0400
C105	J1	16130	CONDUIT	6.2	0.9237	0.0400
C106	16112	16115	CONDUIT	13.2	0.9700	0.0400
C107	16106	16112	CONDUIT	12.4	3.2413	0.0400
C108	16100	16106	CONDUIT	13.3	1.5977	0.0400
C109	J40	J41	CONDUIT	40.2	0.2960	0.0450
C11	16347	J3	CONDUIT	13.3	1.5054	0.0240
C110	16094	16100	CONDUIT	13.0	1.1950	0.0400
C111	16088	16094	CONDUIT	13.4	-1.1408	0.0400
C112	16082	16088	CONDUIT	13.1	1.0642	0.0400
C113	16076	16082	CONDUIT	13.3	0.4285	0.0400
C114	16070	16076	CONDUIT	13.3	0.8033	0.0400
C115	16064	16070	CONDUIT	12.7	-1.3181	0.0400
C116	16058	16064	CONDUIT	12.5	1.2522	0.0400
C117	J41	J42	CONDUIT	35.1	0.5151	0.0450
C118	16052	16130	CONDUIT	5.0	6.2825	0.0400
C119	J42	J44	CONDUIT	59.0	0.8477	0.0450
C12	16346	16347	CONDUIT	1.1	2.9398	0.0400
C120_1	J44	J81	CONDUIT	38.2	1.0214	0.0450

C120_2	J81	J45	CONDUIT	25.3	1.1035	0.0450
C121	J45	26481	CONDUIT	32.9	0.9008	0.0450
C122_1	J49	J87	CONDUIT	33.1	2.7852	0.0450
C122_2	J87	J50	CONDUIT	46.3	2.4850	0.0450
C123	J50	J51	CONDUIT	17.9	2.9541	0.0450
C124_1	J52	J70	CONDUIT	30.4	1.1781	0.0450
C124_2	J70	J54	CONDUIT	21.7	2.5350	0.0450
C125	J54	J55	CONDUIT	22.2	2.0628	0.0190
C126	J55	J51	CONDUIT	14.2	2.3445	0.0450
C127	J51	J39	CONDUIT	50.2	1.5543	0.0190
C128	J39	J47	CONDUIT	43.9	0.7216	0.0450
C129	J60	J61	CONDUIT	24.7	1.1801	0.0400
C129_1	J48	J9	CONDUIT	30.4	2.1489	0.0450
C129_3	J9	J72	CONDUIT	15.8	0.4239	0.0190
C129_4	J72	J47	CONDUIT	15.8	2.2581	0.0450
C13	16343	16347	CONDUIT	0.9	13.5313	0.0400
C130	J62	J63	CONDUIT	31.7	7.6034	0.0400
C130_1	J46	J71	CONDUIT	8.4	2.8347	0.0450
C130_2	J71	J26	CONDUIT	13.0	0.6634	0.0450
C130_4	J26	J94	CONDUIT	18.8	0.5118	0.0450
C130_5	J56	J39	CONDUIT	34.5	0.2319	0.0450
C130_6	J89	J56	CONDUIT	14.8	0.3371	0.0450
C130_7	J94	J89	CONDUIT	33.2	0.5153	0.0450
C131	J47	SU1	CONDUIT	8.0	5.1568	0.0450
C132_1	J63	J93	CONDUIT	25.2	1.5869	0.0400
C132_2	J93	J65	CONDUIT	12.9	0.3881	0.0400
C133	J65	J66	CONDUIT	33.3	2.2495	0.0400
C134_1	J66	J91	CONDUIT	51.8	3.4745	0.0400
C134_2	J91	J67	CONDUIT	14.4	4.1793	0.0400
C135	J67	J68	CONDUIT	56.6	1.7683	0.0400

C136	J68	J69	CONDUIT	54.0	
0.2984	0.0400				
C137	J69	25025	CONDUIT	34.0	
0.5937	0.0400				
C14	16341	16343	CONDUIT	2.0	
17.1555	0.0400				
C15	16338	16341	CONDUIT	13.9	
6.7922	0.0400				
C16	J5	J6	CONDUIT	24.5	
1.2269	0.0240				
C17	16332	16338	CONDUIT	13.6	
6.6098	0.0400				
C19	16326	16332	CONDUIT	12.9	
1.2326	0.0400				
C2	16130	16133	CONDUIT	14.1	
0.8597	0.0240				
C20	J53	J258	CONDUIT	94.2	
0.2441	0.0400				
C21	16320	16326	CONDUIT	12.6	
0.4289	0.0400				
C22	16314	16320	CONDUIT	13.2	-
0.0759	0.0400				
C23	16307	16314	CONDUIT	13.7	
4.4464	0.0400				
C24	16306	16307	CONDUIT	2.8	
5.2892	0.0400				
C25_3	J73	J259	CONDUIT	57.6	
0.8094	0.0100				
C26_5	J34	J90	CONDUIT	14.7	
0.4756	0.0400				
C26_6	J90	J32	CONDUIT	83.2	
0.3605	0.0400				
C28	16274	16270	CONDUIT	6.5	
5.0524	0.0400				
C29	16270	16264	CONDUIT	12.9	
4.1317	0.0400				
C3	16159	16167	CONDUIT	14.4	
1.0985	0.0240				
C30	J38	J24	CONDUIT	5.0	
27.1483	0.0120				
C30_3	J24	J25	CONDUIT	2.2	
11.1906	0.0450				
C31	16264	16258	CONDUIT	12.8	
1.4657	0.0400				
C32	16258	16251	CONDUIT	13.9	
0.9346	0.0400				
C33	16251	16246	CONDUIT	13.1	
1.4537	0.0400				
C34	16246	16239	CONDUIT	12.6	
3.9516	0.0400				
C35	16239	16234	CONDUIT	13.3	
12.7640	0.0400				
C36	J32	J31	CONDUIT	34.6	
0.6076	0.0400				
C36_7	J23	J37	CONDUIT	23.5	
0.3739	0.0450				
C36_8	J27	J25	CONDUIT	7.3	
0.3403	0.0450				
C36_9	J25	J23	CONDUIT	11.6	
0.3108	0.0450				

C37	16234	16228	CONDUIT	13.0	1.5919	0.0400
C38	16228	16221	CONDUIT	11.2	1.4866	0.0400
C39	16221	16215	CONDUIT	11.2	1.2911	0.0400
C4	16386	16380	CONDUIT	12.4	0.8071	0.0400
C40	16215	16209	CONDUIT	13.2	1.5328	0.0400
C41	16209	16202	CONDUIT	12.9	2.1384	0.0400
C42	16202	16196	CONDUIT	12.6	0.3421	0.0400
C43	26456	J4	CONDUIT	18.5	0.5508	0.0240
C44	16196	16190	CONDUIT	13.0	0.7716	0.0400
C45	J160	J253	CONDUIT	132.0	1.0225	0.0400
C46_1	J31	J88	CONDUIT	33.7	0.6076	0.0400
C46_2	J88	J30	CONDUIT	38.7	0.6067	0.0400
C47	J30	J29	CONDUIT	36.1	0.8304	0.0400
C48	16190	16184	CONDUIT	13.7	0.7602	0.0400
C49	16184	16178	CONDUIT	13.3	0.0899	0.0400
C5	16380	16373	CONDUIT	14.6	0.8992	0.0400
C50	J29	J28	CONDUIT	65.6	0.8383	0.0400
C51	16178	16172	CONDUIT	12.9	2.2421	0.0400
C52	16172	16156	CONDUIT	13.4	2.7460	0.0400
C53	16156	16159	CONDUIT	0.5	25.9977	0.0400
C54	26602	16159	CONDUIT	1.1	18.9160	0.0400
C55	26599	26602	CONDUIT	9.4	4.8065	0.0400
C56	16147	26599	CONDUIT	1.8	4.5032	0.0400
C57	J253	J117	CONDUIT	158.9	1.0950	0.0100
C58	26578	26567	CONDUIT	12.1	0.8682	0.0400
C59	26567	26560	CONDUIT	13.5	0.1110	0.0400
C6	16373	16365	CONDUIT	14.9	4.6135	0.0400
C60	J28	J85	CONDUIT	53.9	1.0814	0.0400
C61	26560	26548	CONDUIT	13.7	1.9807	0.0400
C62	J61	J46	CONDUIT	15.0	0.4681	0.0180

C63		26548	26541	CONDUIT	12.7	
0.6477	0.0400					
C64		26541	25028	CONDUIT	13.2	
1.4893	0.0400					
C65		25028	25025	CONDUIT	13.3	
0.4138	0.0400					
C66		25025	J36	CONDUIT	17.3	
0.2826	0.0190					
C67		J37	J40	CONDUIT	61.2	
0.3610	0.0450					
C68		SU1	J38	CONDUIT	10.0	-
8.0358	0.0190					
C68_2		J36	25014	CONDUIT	5.2	
0.4432	0.0400					
C69		25014	26502	CONDUIT	6.5	-
0.2295	0.0400					
C7		16365	16362	CONDUIT	10.0	
5.6033	0.0400					
C70		J117	J259	CONDUIT	111.5	
1.0136	0.0100					
C71		26502	25010	CONDUIT	5.2	-
0.2115	0.0400					
C72		J58	J59	CONDUIT	25.5	
1.3737	0.0400					
C73		25010	25006	CONDUIT	11.7	
0.1363	0.0400					
C74		25006	26481	CONDUIT	12.5	
0.3202	0.0400					
C75		J259	J101	CONDUIT	45.7	
0.5694	0.0400					
C76		26481	26468	CONDUIT	13.7	
0.5783	0.0400					
C77		26468	26456	CONDUIT	11.1	
0.0809	0.0400					
C78		26432	26456	CONDUIT	7.4	
1.8492	0.0400					
C8		16115	J5	CONDUIT	66.1	
1.3232	0.0400					
C80		J59	J60	CONDUIT	40.4	
1.5551	0.0400					
C81		J101	J92	CONDUIT	79.2	
0.9847	0.0100					
C83		26419	26414	CONDUIT	19.9	
0.9137	0.0400					
C84		26414	16017	CONDUIT	26.8	
0.3735	0.0400					
C86		J92	J80	CONDUIT	38.0	
0.5257	0.0400					
C87		J80	J64	CONDUIT	60.7	
0.9559	0.0100					
C89		J64	J276	CONDUIT	56.3	
2.2037	0.0100					
C9		16362	16346	CONDUIT	8.1	
4.9832	0.0400					
C90		16017	16026	CONDUIT	13.5	
0.9624	0.0400					
C91		J276	J33	CONDUIT	154.1	
0.8892	0.0100					
C92_1		16026	J76	CONDUIT	6.4	
4.4793	0.0400					

C92_2		J76	16027	CONDUIT	5.2	
4.4752	0.0400					
C93		J33	J35	CONDUIT	44.1	
0.2719	0.0100					
C95		J35	J43	CONDUIT	103.2	-
0.0388	0.0100					
C96		J43	J17	CONDUIT	109.8	
1.8944	0.0100					
C97		16027	16047	CONDUIT	38.6	
0.3551	0.0400					
C99		J17	J14	CONDUIT	56.1	
1.1939	0.0100					
DD01		J84	J21	CONDUIT	13.2	
2.3306	0.0450					
DD02		J21	J83	CONDUIT	13.7	
1.3135	0.0450					
DD03		J83	J16	CONDUIT	14.3	
1.1810	0.0450					
DD04		J16	J79	CONDUIT	10.9	
0.4937	0.0450					
DD05		J79	J85	CONDUIT	8.5	
0.6845	0.0450					
DD06		J85	J11	CONDUIT	15.2	
0.6861	0.0450					
DD07		J11	J20	CONDUIT	46.7	
0.4986	0.0450					
DD08		J20	J2	CONDUIT	120.1	
0.4663	0.0450					
DD09		J2	J86	CONDUIT	52.9	
0.6055	0.0450					
DD10		J86	J19	CONDUIT	74.7	
0.5354	0.0450					
DD11		J19	J75	CONDUIT	62.8	
0.6525	0.0450					
DD12		J75	J78	CONDUIT	28.0	
0.6253	0.0450					
DD13		J78	J77	CONDUIT	30.4	
0.3255	0.0450					
DD14		J77	J82	CONDUIT	26.8	
0.6013	0.0450					
DD15		J82	J74	CONDUIT	23.8	
0.4629	0.0450					
DD16		J74	J18	CONDUIT	24.8	
0.6047	0.0450					
DD17		J18	J22	CONDUIT	44.6	
0.4799	0.0450					
DD18		J22	J258	CONDUIT	15.9	
0.8530	0.0450					
SMC01		J7	J13	CONDUIT	100.3	
1.0009	0.0450					
SMC02		J13	J12	CONDUIT	158.3	
1.0007	0.0450					
SMC03		J12	J15	CONDUIT	71.4	
0.8370	0.0450					
SMC04		J15	J10	CONDUIT	151.1	
2.5062	0.0450					
SMC05		J10	J57	CONDUIT	52.9	
0.8540	0.0450					
SMC06		J57	J95	CONDUIT	42.9	
2.0385	0.0450					

SMC07	J95	J84	CONDUIT	89.3	
2.0368	0.0450				
SMC14	J258	J1	CONDUIT	247.7	
1.3737	0.0100				
C85	J38	J27	ORIFICE		

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Cross Section Summary
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Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
C1	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1	4.15
C10	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1	1.82
C100	C100	0.71	6.52	0.35	18.54	1	37.24
C101	C101	0.84	7.08	0.37	18.97	1	69.14
C102	TRAPEZOIDAL	1.87	17.91	1.07	16.12	1	65.65
C103	C103	0.36	2.17	0.16	13.16	1	5.13
C104	TRAPEZOIDAL	1.93	18.89	1.10	16.54	1	177.52
C105	TRAPEZOIDAL	2.08	14.89	1.21	11.32	1	40.65
C106	TRAPEZOIDAL	1.08	5.02	0.69	6.81	1	9.61
C107	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	9.79
C108	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	6.87
C109	TRAPEZOIDAL	2.87	17.87	1.34	11.97	1	26.29
C11	CIRCULAR	1.00	0.79	0.25	1.00	1	1.59
C110	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	5.94
C111	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	5.81
C112	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	5.61
C113	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	3.56
C114	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	4.87
C115	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	6.24
C116	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	6.08
C117	TRAPEZOIDAL	2.87	17.87	1.34	11.97	1	34.68
C118	TRAPEZOIDAL	1.86	17.72	1.06	16.03	1	115.73

C119	TRAPEZOIDAL	1.18	3.37	0.58	5.22	1
4.83						
C12	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
4.54						
C120_1	TRAPEZOIDAL	1.06	2.79	0.53	4.75	1
4.11						
C120_2	TRAPEZOIDAL	1.07	2.85	0.54	4.80	1
4.39						
C121	TRAPEZOIDAL	1.05	2.72	0.52	4.69	1
3.72						
C122_1	TRAPEZOIDAL	1.00	3.00	0.55	5.00	1
7.45						
C122_2	TRAPEZOIDAL	1.00	3.00	0.55	5.00	1
7.04						
C123	TRAPEZOIDAL	1.17	5.08	0.70	6.68	1
15.32						
C124_1	TRAPEZOIDAL	0.60	1.32	0.36	3.40	1
1.61						
C124_2	TRAPEZOIDAL	0.98	2.90	0.54	4.92	1
6.78						
C125	CIRCULAR	0.75	0.44	0.19	0.75	1
1.09						
C126	TRAPEZOIDAL	1.37	6.46	0.80	7.46	1
18.91						
C127	CIRCULAR	0.90	0.64	0.23	0.90	1
1.54						
C128	TRAPEZOIDAL	1.25	4.35	0.66	5.98	1
6.23						
C129	TRAPEZOIDAL	0.49	0.98	0.31	2.98	1
1.21						
C129_1	TRAPEZOIDAL	0.82	2.17	0.46	4.28	1
4.24						
C129_3	CIRCULAR	0.60	0.28	0.15	0.60	1
0.27						
C129_4	TRAPEZOIDAL	0.96	2.80	0.53	4.84	1
6.13						
C13	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
9.75						
C130	TRAPEZOIDAL	1.38	5.19	0.72	6.52	1
28.83						
C130_1	TRAPEZOIDAL	0.47	0.92	0.29	2.89	1
1.52						
C130_2	TRAPEZOIDAL	0.47	0.92	0.29	2.89	1
0.74						
C130_4	TRAPEZOIDAL	0.56	1.17	0.34	3.22	1
0.90						
C130_5	TRAPEZOIDAL	0.85	2.30	0.48	4.40	1
1.51						
C130_6	TRAPEZOIDAL	0.85	3.99	0.59	6.40	1
3.62						
C130_7	TRAPEZOIDAL	0.66	1.55	0.39	3.66	1
1.32						
C131	TRAPEZOIDAL	1.26	3.79	0.62	5.53	1
13.89						
C132_1	TRAPEZOIDAL	1.97	9.71	0.99	8.87	1
30.38						
C132_2	TRAPEZOIDAL	1.13	3.68	0.61	5.52	1
4.11						
C133	TRAPEZOIDAL	1.00	3.00	0.55	5.00	1
7.54						

C134_1	TRAPEZOIDAL	0.84	2.25	0.47	4.36	1
6.37						
C134_2	TRAPEZOIDAL	0.83	2.19	0.47	4.30	1
6.74						
C135	TRAPEZOIDAL	0.97	2.85	0.53	4.88	1
6.24						
C136	TRAPEZOIDAL	1.00	3.00	0.55	5.00	1
2.74						
C137	TRAPEZOIDAL	1.00	5.00	0.67	7.00	1
7.37						
C14	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
10.97						
C15	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.90						
C16	CIRCULAR	0.75	0.44	0.19	0.75	1
0.67						
C17	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.81						
C19	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.94						
C2	CIRCULAR	0.70	0.38	0.17	0.70	1
0.47						
C20	TRAPEZOIDAL	0.30	0.78	0.23	3.20	1
0.37						
C21	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.74						
C22	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
0.73						
C23	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
5.59						
C24	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.09						
C25_3	C25	0.16	0.78	0.08	9.50	1
1.33						
C26_5	TRAPEZOIDAL	0.77	1.96	0.44	4.09	1
1.96						
C26_6	TRAPEZOIDAL	0.79	2.03	0.45	4.15	1
1.79						
C28	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
5.96						
C29	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
5.39						
C3	CIRCULAR	1.00	0.79	0.25	1.00	1
1.36						
C30	RECT_OPEN	0.30	0.60	0.23	2.00	1
9.80						
C30_3	TRAPEZOIDAL	0.30	0.87	0.22	3.80	1
2.38						
C31	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.21						
C32	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.56						
C33	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.19						
C34	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
5.27						
C35	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
9.47						
C36	TRAPEZOIDAL	0.99	2.97	0.54	4.97	1
3.86						

C36_7	TRAPEZOIDAL	0.86	1.90	0.44	3.93	1
1.49						
C36_8	TRAPEZOIDAL	0.49	0.73	0.27	2.46	1
0.39						
C36_9	TRAPEZOIDAL	0.57	0.93	0.31	2.78	1
0.53						
C37	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.34						
C38	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.23						
C39	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.01						
C4	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.38						
C40	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.28						
C41	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.87						
C42	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.55						
C43	CIRCULAR	0.60	0.28	0.15	0.60	1
0.25						
C44	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.33						
C45	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.68						
C46_1	TRAPEZOIDAL	1.00	3.01	0.55	5.00	1
3.93						
C46_2	TRAPEZOIDAL	1.00	3.01	0.55	5.00	1
3.92						
C47	TRAPEZOIDAL	1.11	3.59	0.60	5.45	1
5.82						
C48	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.31						
C49	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
0.79						
C5	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.51						
C50	TRAPEZOIDAL	1.24	4.33	0.66	5.97	1
7.51						
C51	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.97						
C52	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
4.39						
C53	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
13.51						
C54	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
11.52						
C55	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
5.81						
C56	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
5.62						
C57	C57	0.25	1.13	0.15	7.56	1
3.30						
C58	TRAPEZOIDAL	0.60	2.52	0.44	5.40	1
3.41						
C59	TRAPEZOIDAL	0.60	2.52	0.44	5.40	1
1.22						
C6	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
5.69						

C60	TRAPEZOIDAL	1.09	5.63	0.72	7.35	1
11.72						
C61	TRAPEZOIDAL	0.70	3.10	0.50	5.81	1
6.90						
C62	CIRCULAR	0.45	0.16	0.11	0.45	1
0.14						
C63	TRAPEZOIDAL	0.78	3.54	0.55	6.11	1
4.76						
C64	TRAPEZOIDAL	0.79	3.65	0.56	6.18	1
7.53						
C65	TRAPEZOIDAL	0.95	4.64	0.64	6.79	1
5.55						
C66	CIRCULAR	0.60	0.28	0.15	0.60	1
0.22						
C67	TRAPEZOIDAL	1.62	6.07	0.78	6.98	1
6.88						
C68	CIRCULAR	0.30	0.07	0.07	0.30	1
0.19						
C68_2	TRAPEZOIDAL	0.96	4.76	0.65	6.86	1
5.94						
C69	TRAPEZOIDAL	0.98	4.86	0.66	6.92	1
4.41						
C7	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.27						
C70	C70	0.95	25.32	0.62	40.00	1
184.72						
C71	TRAPEZOIDAL	0.96	4.74	0.65	6.85	1
4.08						
C72	TRAPEZOIDAL	0.99	2.93	0.54	4.94	1
5.71						
C73	TRAPEZOIDAL	0.96	4.74	0.65	6.85	1
3.28						
C74	TRAPEZOIDAL	1.00	5.01	0.67	7.01	1
5.43						
C75	TRAPEZOIDAL	1.00	4.00	0.62	6.00	1
5.48						
C76	TRAPEZOIDAL	1.05	5.33	0.69	7.19	1
7.95						
C77	TRAPEZOIDAL	1.05	5.33	0.69	7.19	1
2.97						
C78	TRAPEZOIDAL	0.75	3.38	0.53	6.00	1
7.53						
C8	TRAPEZOIDAL	1.00	4.50	0.65	6.50	1
9.67						
C80	TRAPEZOIDAL	0.72	1.75	0.42	3.88	1
3.05						
C81	C81	0.13	0.54	0.07	8.04	1
0.87						
C83	TRAPEZOIDAL	1.11	7.70	0.69	10.80	1
14.34						
C84	TRAPEZOIDAL	1.13	7.90	0.70	10.94	1
9.51						
C86	TRAPEZOIDAL	1.00	4.00	0.62	6.00	1
5.26						
C87	C87	0.60	5.37	0.36	14.68	1
26.74						
C89	C89	0.68	5.95	0.38	15.45	1
46.64						
C9	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
5.91						

C90	TRAPEZOIDAL	1.14	7.99	0.70	10.99	1
15.49						
C91	C91	0.83	4.29	0.43	9.35	1
22.90						
C92_1	TRAPEZOIDAL	1.24	9.07	0.75	11.66	1
39.64						
C92_2	TRAPEZOIDAL	1.52	12.69	0.90	13.66	1
62.34						
C93	C93	0.74	4.44	0.28	16.58	1
9.94						
C95	C95	0.60	3.11	0.23	13.46	1
2.29						
C96	C96	1.00	11.25	0.62	17.88	1
112.98						
C97	TRAPEZOIDAL	1.78	16.44	1.02	15.47	1
24.89						
C99	C99	1.02	10.34	0.56	18.28	1
76.72						
DD01	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
4.82						
DD02	TRAPEZOIDAL	0.43	2.53	0.37	6.73	1
3.30						
DD03	TRAPEZOIDAL	0.55	3.33	0.45	7.19	1
4.71						
DD04	TRAPEZOIDAL	0.68	4.32	0.54	7.72	1
4.46						
DD05	TRAPEZOIDAL	0.89	5.99	0.67	8.54	1
8.43						
DD06	TRAPEZOIDAL	1.09	5.63	0.72	7.35	1
8.30						
DD07	TRAPEZOIDAL	1.34	6.25	0.78	7.35	1
8.33						
DD08	TRAPEZOIDAL	1.29	5.91	0.76	7.16	1
7.47						
DD09	TRAPEZOIDAL	1.29	5.91	0.76	7.16	1
8.51						
DD10	TRAPEZOIDAL	1.36	6.43	0.80	7.45	1
8.98						
DD11	TRAPEZOIDAL	1.44	7.03	0.83	7.76	1
11.17						
DD12	TRAPEZOIDAL	1.23	5.51	0.73	6.93	1
7.87						
DD13	TRAPEZOIDAL	1.12	5.87	0.73	7.48	1
6.05						
DD14	TRAPEZOIDAL	0.99	4.91	0.66	6.95	1
6.43						
DD15	TRAPEZOIDAL	0.84	3.91	0.58	6.34	1
4.11						
DD16	TRAPEZOIDAL	0.64	4.00	0.51	7.55	1
4.42						
DD17	TRAPEZOIDAL	0.47	2.82	0.40	6.90	1
2.34						
DD18	TRAPEZOIDAL	0.47	3.04	0.38	7.84	1
3.28						
SMC01	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
3.16						
SMC02	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
3.16						
SMC03	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
2.89						

SMC04	TRAPEZOIDAL	0.30	3.45	0.26	13.00	15.00
SMC05	TRAPEZOIDAL	0.30	3.45	0.26	13.00	12.92
SMC06	TRAPEZOIDAL	0.30	3.45	0.26	13.00	14.51
SMC07	TRAPEZOIDAL	0.30	3.45	0.26	13.00	14.51
SMC14	C114	0.49	3.06	0.26	11.33	14.79

****
Transect Summary
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Transect C100
Area:

0.0007	0.0026	0.0059	0.0106	0.0160
0.0221	0.0289	0.0363	0.0445	0.0535
0.0633	0.0739	0.0849	0.0963	0.1084
0.1218	0.1376	0.1555	0.1742	0.1936
0.2135	0.2339	0.2548	0.2761	0.2979
0.3201	0.3428	0.3659	0.3895	0.4134
0.4378	0.4625	0.4877	0.5133	0.5393
0.5657	0.5926	0.6201	0.6480	0.6765
0.7055	0.7350	0.7650	0.7956	0.8267
0.8583	0.8909	0.9248	0.9606	1.0000

Hrad:

0.0204	0.0408	0.0612	0.0838	0.1127
0.1399	0.1657	0.1907	0.2114	0.2314
0.2515	0.2783	0.3090	0.3360	0.3527
0.3681	0.3790	0.3454	0.3711	0.4013
0.4315	0.4614	0.4916	0.5213	0.5507
0.5797	0.6087	0.6383	0.6675	0.6965
0.7251	0.7534	0.7815	0.8094	0.8367
0.8626	0.8863	0.9100	0.9335	0.9570
0.9803	1.0035	1.0262	1.0485	1.0708
1.0916	1.0909	1.0916	1.0530	1.0000

Width:

0.0325	0.0650	0.0975	0.1263	0.1424
0.1586	0.1748	0.1909	0.2108	0.2315
0.2522	0.2659	0.2751	0.2868	0.3075
0.3589	0.4202	0.4509	0.4702	0.4832
0.4956	0.5076	0.5189	0.5302	0.5415
0.5528	0.5636	0.5737	0.5838	0.5939
0.6039	0.6140	0.6241	0.6342	0.6445
0.6557	0.6685	0.6812	0.6940	0.7067
0.7194	0.7322	0.7452	0.7585	0.7717
0.7860	0.8165	0.8509	0.9279	1.0000

Transect C101
Area:

0.0010	0.0042	0.0091	0.0150	0.0217
0.0292	0.0372	0.0457	0.0547	0.0642
0.0743	0.0848	0.0958	0.1072	0.1192
0.1315	0.1444	0.1577	0.1714	0.1856
0.2001	0.2149	0.2301	0.2457	0.2617

0.2780 0.2947 0.3118 0.3292 0.3470
0.3652 0.3838 0.4027 0.4227 0.4461
0.4746 0.5042 0.5339 0.5639 0.5947
0.6273 0.6618 0.6985 0.7394 0.7812
0.8237 0.8669 0.9106 0.9550 1.0000

Hrad:

0.0228 0.0456 0.0760 0.1086 0.1390
0.1705 0.2041 0.2364 0.2677 0.2980
0.3276 0.3565 0.3860 0.4150 0.4435
0.4716 0.4992 0.5265 0.5534 0.5845
0.6164 0.6454 0.6742 0.7026 0.7307
0.7586 0.7862 0.8136 0.8408 0.8677
0.8945 0.9211 0.9461 0.9483 0.9238
0.7291 0.7686 0.8077 0.8467 0.8841
0.9183 0.9499 0.9613 0.8062 0.8385
0.8706 0.9033 0.9358 0.9680 1.0000

Width:

0.0462 0.0923 0.1208 0.1387 0.1567
0.1716 0.1826 0.1936 0.2047 0.2157
0.2267 0.2378 0.2479 0.2581 0.2682
0.2784 0.2886 0.2987 0.3089 0.3165
0.3234 0.3316 0.3399 0.3481 0.3563
0.3646 0.3728 0.3810 0.3893 0.3975
0.4057 0.4140 0.4228 0.4703 0.5891
0.6494 0.6544 0.6593 0.6643 0.7003
0.7403 0.7830 0.8510 0.9167 0.9313
0.9459 0.9595 0.9730 0.9865 1.0000

Transect C103

Area:

0.0019 0.0076 0.0153 0.0236 0.0324
0.0418 0.0518 0.0623 0.0733 0.0847
0.0966 0.1088 0.1214 0.1344 0.1478
0.1616 0.1758 0.1904 0.2054 0.2208
0.2366 0.2527 0.2693 0.2863 0.3038
0.3216 0.3399 0.3587 0.3778 0.3974
0.4175 0.4379 0.4588 0.4802 0.5019
0.5241 0.5467 0.5698 0.5937 0.6190
0.6458 0.6754 0.7106 0.7501 0.7902
0.8307 0.8720 0.9140 0.9566 1.0000

Hrad:

0.0219 0.0450 0.0841 0.1210 0.1561
0.1896 0.2219 0.2530 0.2854 0.3187
0.3512 0.3830 0.4142 0.4448 0.4749
0.5046 0.5338 0.5626 0.5910 0.6191
0.6469 0.6744 0.7006 0.7261 0.7514
0.7766 0.8016 0.8264 0.8511 0.8757
0.9001 0.9245 0.9487 0.9729 0.9969
1.0209 1.0447 1.0654 1.0536 1.0382
1.0266 0.9715 0.8843 0.8231 0.8577
0.8879 0.9162 0.9444 0.9723 1.0000

Width:

0.0873 0.1701 0.1828 0.1955 0.2082
0.2209 0.2336 0.2463 0.2570 0.2660
0.2750 0.2841 0.2931 0.3021 0.3112
0.3202 0.3292 0.3382 0.3473 0.3563
0.3653 0.3744 0.3839 0.3938 0.4037

0.4136 0.4235 0.4334 0.4433 0.4532
0.4631 0.4729 0.4828 0.4927 0.5026
0.5125 0.5224 0.5339 0.5626 0.5954
0.6285 0.7360 0.8739 0.9112 0.9211
0.9355 0.9516 0.9677 0.9839 1.0000

Transect C109
Area:
0.0006 0.0025 0.0057 0.0102 0.0159
0.0225 0.0298 0.0377 0.0463 0.0555
0.0653 0.0757 0.0866 0.0982 0.1103
0.1231 0.1364 0.1504 0.1650 0.1804
0.1965 0.2133 0.2308 0.2490 0.2679
0.2876 0.3080 0.3292 0.3511 0.3738
0.3972 0.4215 0.4469 0.4735 0.5012
0.5299 0.5591 0.5887 0.6187 0.6494
0.6809 0.7133 0.7466 0.7806 0.8153
0.8508 0.8870 0.9239 0.9616 1.0000
Hrad:
0.0183 0.0367 0.0550 0.0733 0.0939
0.1190 0.1429 0.1666 0.1909 0.2144
0.2373 0.2597 0.2817 0.3032 0.3245
0.3455 0.3663 0.3857 0.4026 0.4196
0.4367 0.4546 0.4728 0.4909 0.5091
0.5256 0.5423 0.5591 0.5760 0.5930
0.6101 0.6220 0.6294 0.6378 0.6471
0.6700 0.6965 0.7229 0.7489 0.7743
0.7986 0.8173 0.8404 0.8643 0.8878
0.9109 0.9337 0.9561 0.9782 1.0000
Width:
0.0329 0.0658 0.0986 0.1315 0.1601
0.1785 0.1968 0.2140 0.2293 0.2446
0.2598 0.2751 0.2904 0.3057 0.3210
0.3363 0.3516 0.3680 0.3869 0.4057
0.4246 0.4428 0.4608 0.4788 0.4968
0.5164 0.5360 0.5556 0.5752 0.5948
0.6144 0.6396 0.6701 0.7006 0.7311
0.7465 0.7576 0.7686 0.7826 0.8021
0.8220 0.8471 0.8673 0.8863 0.9052
0.9242 0.9431 0.9621 0.9810 1.0000

Transect C113
Area:
0.0010 0.0035 0.0067 0.0107 0.0154
0.0208 0.0270 0.0339 0.0415 0.0500
0.0592 0.0690 0.0793 0.0902 0.1016
0.1136 0.1261 0.1392 0.1528 0.1670
0.1818 0.1971 0.2140 0.2342 0.2555
0.2776 0.3006 0.3244 0.3489 0.3737
0.3987 0.4240 0.4498 0.4761 0.5030
0.5307 0.5593 0.5902 0.6216 0.6534
0.6857 0.7184 0.7516 0.7854 0.8198
0.8548 0.8904 0.9264 0.9630 1.0000
Hrad:
0.0189 0.0455 0.0703 0.0931 0.1147
0.1361 0.1560 0.1751 0.1941 0.2131
0.2342 0.2585 0.2818 0.3048 0.3273

0.3495 0.3713 0.3925 0.4135 0.4343
0.4550 0.4694 0.4639 0.4241 0.4433
0.4635 0.4840 0.5044 0.5326 0.5652
0.5975 0.6224 0.6468 0.6709 0.6926
0.7057 0.7034 0.7077 0.7348 0.7617
0.7884 0.8138 0.8358 0.8576 0.8793
0.9025 0.9255 0.9484 0.9729 1.0000

Width:

0.0524 0.0777 0.0972 0.1167 0.1363
0.1553 0.1753 0.1962 0.2171 0.2380
0.2565 0.2708 0.2854 0.3001 0.3148
0.3295 0.3443 0.3594 0.3746 0.3897
0.4049 0.4256 0.5056 0.5599 0.5843
0.6073 0.6297 0.6521 0.6638 0.6693
0.6747 0.6882 0.7020 0.7158 0.7320
0.7575 0.8007 0.8395 0.8509 0.8623
0.8737 0.8862 0.9024 0.9186 0.9347
0.9491 0.9635 0.9779 0.9903 1.0000

Transect C114

Area:

0.0028 0.0095 0.0168 0.0246 0.0327
0.0413 0.0503 0.0598 0.0697 0.0800
0.0908 0.1020 0.1136 0.1257 0.1382
0.1515 0.1655 0.1802 0.1956 0.2117
0.2285 0.2465 0.2659 0.2864 0.3077
0.3295 0.3518 0.3747 0.3980 0.4219
0.4463 0.4712 0.4966 0.5224 0.5484
0.5748 0.6016 0.6288 0.6563 0.6842
0.7125 0.7411 0.7701 0.8000 0.8308
0.8627 0.8955 0.9293 0.9641 1.0000

Hrad:

0.0187 0.0502 0.0835 0.1151 0.1454
0.1745 0.2025 0.2298 0.2562 0.2820
0.3073 0.3320 0.3562 0.3801 0.3973
0.4129 0.4288 0.4448 0.4610 0.4775
0.4892 0.4907 0.4944 0.5067 0.5310
0.5550 0.5788 0.6024 0.6257 0.6488
0.6718 0.6945 0.7209 0.7480 0.7734
0.7986 0.8235 0.8482 0.8727 0.8970
0.9211 0.9449 0.9631 0.9670 0.9718
0.9775 0.9847 0.9926 1.0010 1.0000

Width:

0.1519 0.1934 0.2052 0.2171 0.2289
0.2407 0.2526 0.2644 0.2762 0.2881
0.2999 0.3118 0.3236 0.3354 0.3529
0.3722 0.3915 0.4109 0.4303 0.4497
0.4740 0.5099 0.5457 0.5738 0.5881
0.6024 0.6167 0.6310 0.6454 0.6597
0.6740 0.6883 0.6982 0.7068 0.7169
0.7269 0.7370 0.7470 0.7570 0.7671
0.7771 0.7872 0.8019 0.8293 0.8566
0.8838 0.9103 0.9368 0.9633 1.0000

Transect C116

Area:

0.0004 0.0017 0.0038 0.0068 0.0106

0.0149 0.0198 0.0254 0.0315 0.0382
0.0455 0.0532 0.0614 0.0698 0.0786
0.0876 0.0970 0.1066 0.1165 0.1267
0.1372 0.1480 0.1591 0.1705 0.1841
0.1992 0.2151 0.2317 0.2491 0.2673
0.2883 0.3124 0.3384 0.3665 0.3964
0.4283 0.4617 0.4958 0.5307 0.5663
0.6042 0.6444 0.6858 0.7279 0.7708
0.8146 0.8593 0.9048 0.9514 1.0000

Hrad:

0.0248 0.0495 0.0743 0.0991 0.1297
0.1595 0.1881 0.2160 0.2433 0.2701
0.2966 0.3310 0.3650 0.4011 0.4365
0.4711 0.5052 0.5386 0.5715 0.6040
0.6360 0.6676 0.6988 0.7297 0.7500
0.7665 0.7840 0.8020 0.8149 0.8228
0.8252 0.8245 0.8203 0.8165 0.8151
0.8160 0.6861 0.7192 0.7519 0.7843
0.7543 0.7812 0.8100 0.8455 0.8790
0.9122 0.9452 0.9779 0.9917 1.0000

Width:

0.0172 0.0345 0.0517 0.0690 0.0815
0.0935 0.1054 0.1173 0.1292 0.1412
0.1531 0.1606 0.1679 0.1738 0.1796
0.1855 0.1914 0.1973 0.2032 0.2091
0.2150 0.2209 0.2267 0.2326 0.2994
0.3137 0.3280 0.3423 0.3586 0.3769
0.4660 0.5055 0.5464 0.5853 0.6242
0.6631 0.6811 0.6963 0.7115 0.7267
0.8000 0.8228 0.8436 0.8582 0.8753
0.8925 0.9097 0.9268 0.9605 1.0000

Transect C16

Area:

0.0011 0.0048 0.0125 0.0220 0.0320
0.0425 0.0534 0.0649 0.0769 0.0894
0.1028 0.1169 0.1318 0.1475 0.1640
0.1815 0.2000 0.2192 0.2391 0.2596
0.2807 0.3024 0.3248 0.3477 0.3708
0.3941 0.4175 0.4412 0.4650 0.4890
0.5132 0.5375 0.5619 0.5865 0.6113
0.6362 0.6612 0.6864 0.7117 0.7372
0.7628 0.7885 0.8144 0.8405 0.8667
0.8930 0.9195 0.9461 0.9728 1.0000

Hrad:

0.0139 0.0261 0.0378 0.0631 0.0872
0.1105 0.1329 0.1546 0.1757 0.1924
0.2086 0.2246 0.2404 0.2551 0.2682
0.2816 0.2950 0.3120 0.3301 0.3479
0.3654 0.3828 0.4000 0.4208 0.4450
0.4691 0.4930 0.5167 0.5403 0.5636
0.5874 0.6113 0.6350 0.6586 0.6821
0.7054 0.7286 0.7516 0.7746 0.7974
0.8201 0.8426 0.8651 0.8874 0.9096
0.9317 0.9537 0.9756 0.9973 1.0000

Width:

0.0802 0.2058 0.3363 0.3541 0.3719

0.3898 0.4076 0.4254 0.4433 0.4711
0.4992 0.5274 0.5555 0.5857 0.6198
0.6534 0.6868 0.7120 0.7342 0.7563
0.7785 0.8006 0.8228 0.8370 0.8435
0.8499 0.8564 0.8629 0.8694 0.8759
0.8815 0.8867 0.8919 0.8971 0.9024
0.9076 0.9128 0.9180 0.9233 0.9285
0.9337 0.9389 0.9442 0.9494 0.9546
0.9598 0.9651 0.9703 0.9756 1.0000

Transect C25
Area:
0.0069 0.0156 0.0246 0.0340 0.0439
0.0541 0.0648 0.0759 0.0874 0.0993
0.1116 0.1243 0.1374 0.1510 0.1649
0.1793 0.1941 0.2093 0.2249 0.2409
0.2573 0.2742 0.2915 0.3093 0.3278
0.3468 0.3664 0.3866 0.4074 0.4288
0.4508 0.4733 0.4965 0.5203 0.5447
0.5698 0.5955 0.6220 0.6491 0.6770
0.7055 0.7347 0.7646 0.7952 0.8265
0.8584 0.8915 0.9261 0.9623 1.0000
Hrad:
0.0316 0.0675 0.1019 0.1350 0.1670
0.1979 0.2280 0.2573 0.2858 0.3137
0.3410 0.3678 0.3942 0.4201 0.4456
0.4707 0.4955 0.5199 0.5438 0.5675
0.5910 0.6142 0.6359 0.6527 0.6696
0.6867 0.7039 0.7212 0.7386 0.7561
0.7737 0.7914 0.8091 0.8269 0.8422
0.8571 0.8723 0.8876 0.9032 0.9189
0.9348 0.9508 0.9670 0.9833 0.9997
1.0139 1.0082 1.0004 0.9949 1.0000
Width:
0.2198 0.2306 0.2413 0.2521 0.2628
0.2735 0.2843 0.2950 0.3057 0.3165
0.3272 0.3379 0.3487 0.3594 0.3702
0.3809 0.3916 0.4025 0.4135 0.4244
0.4354 0.4464 0.4583 0.4738 0.4893
0.5049 0.5204 0.5359 0.5514 0.5669
0.5825 0.5980 0.6135 0.6290 0.6466
0.6646 0.6826 0.7006 0.7186 0.7366
0.7546 0.7726 0.7906 0.8086 0.8266
0.8465 0.8842 0.9257 0.9672 1.0000

Transect C36
Area:
0.0014 0.0049 0.0097 0.0158 0.0227
0.0302 0.0381 0.0468 0.0582 0.0717
0.0868 0.1026 0.1188 0.1354 0.1525
0.1701 0.1881 0.2066 0.2255 0.2449
0.2648 0.2851 0.3058 0.3269 0.3484
0.3704 0.3927 0.4155 0.4386 0.4621
0.4860 0.5102 0.5348 0.5598 0.5851
0.6108 0.6368 0.6631 0.6898 0.7167
0.7440 0.7716 0.7995 0.8277 0.8562
0.8848 0.9134 0.9422 0.9710 1.0000

Hrad:

0.0147	0.0345	0.0517	0.0685	0.0918
0.1144	0.1360	0.1552	0.1673	0.1780
0.1624	0.1864	0.2100	0.2330	0.2554
0.2773	0.2989	0.3201	0.3410	0.3616
0.3827	0.4037	0.4244	0.4448	0.4650
0.4851	0.5049	0.5253	0.5458	0.5661
0.5863	0.6063	0.6261	0.6457	0.6653
0.6850	0.7056	0.7261	0.7464	0.7665
0.7866	0.8065	0.8263	0.8460	0.8710
0.8969	0.9228	0.9486	0.9744	1.0000

Width:

0.0973	0.1425	0.1877	0.2305	0.2479
0.2639	0.2799	0.3451	0.4309	0.4991
0.5350	0.5505	0.5659	0.5813	0.5973
0.6134	0.6294	0.6455	0.6615	0.6776
0.6921	0.7064	0.7208	0.7351	0.7494
0.7637	0.7780	0.7911	0.8038	0.8164
0.8290	0.8417	0.8543	0.8669	0.8796
0.8917	0.9026	0.9134	0.9243	0.9351
0.9460	0.9568	0.9677	0.9785	0.9831
0.9865	0.9898	0.9932	0.9966	1.0000

Transect C50

Area:

0.0020	0.0078	0.0169	0.0267	0.0369
0.0476	0.0587	0.0703	0.0824	0.0950
0.1080	0.1215	0.1354	0.1498	0.1647
0.1800	0.1958	0.2120	0.2288	0.2460
0.2636	0.2818	0.3005	0.3196	0.3393
0.3595	0.3802	0.4013	0.4230	0.4452
0.4678	0.4910	0.5147	0.5388	0.5635
0.5887	0.6144	0.6408	0.6678	0.6952
0.7230	0.7513	0.7799	0.8090	0.8385
0.8684	0.8988	0.9308	0.9647	1.0000

Hrad:

0.0181	0.0362	0.0642	0.0966	0.1277
0.1576	0.1866	0.2147	0.2420	0.2687
0.2947	0.3202	0.3452	0.3698	0.3940
0.4177	0.4412	0.4643	0.4870	0.5092
0.5311	0.5523	0.5733	0.5941	0.6148
0.6354	0.6558	0.6762	0.6964	0.7165
0.7365	0.7565	0.7764	0.7961	0.8159
0.8355	0.8507	0.8652	0.8845	0.9062
0.9278	0.9492	0.9705	0.9917	1.0127
1.0336	1.0387	1.0111	0.9916	1.0000

Width:

0.1094	0.2187	0.2663	0.2792	0.2922
0.3052	0.3181	0.3311	0.3441	0.3571
0.3700	0.3830	0.3960	0.4089	0.4219
0.4349	0.4478	0.4608	0.4739	0.4873
0.5008	0.5147	0.5287	0.5426	0.5566
0.5706	0.5846	0.5985	0.6125	0.6265
0.6404	0.6544	0.6684	0.6823	0.6963
0.7103	0.7280	0.7466	0.7606	0.7722
0.7837	0.7952	0.8067	0.8182	0.8298
0.8413	0.8659	0.9211	0.9733	1.0000

Transect C57

Area:

0.0025	0.0100	0.0195	0.0296	0.0402
0.0514	0.0631	0.0753	0.0881	0.1014
0.1153	0.1297	0.1446	0.1601	0.1761
0.1927	0.2098	0.2274	0.2455	0.2641
0.2831	0.3023	0.3218	0.3416	0.3617
0.3821	0.4027	0.4237	0.4449	0.4665
0.4883	0.5105	0.5332	0.5562	0.5797
0.6036	0.6279	0.6526	0.6778	0.7033
0.7293	0.7559	0.7835	0.8121	0.8417
0.8722	0.9033	0.9350	0.9672	1.0000

Hrad:

0.0169	0.0365	0.0673	0.0967	0.1247
0.1518	0.1778	0.2031	0.2277	0.2516
0.2751	0.2980	0.3205	0.3426	0.3643
0.3861	0.4078	0.4293	0.4506	0.4738
0.4995	0.5249	0.5499	0.5747	0.5992
0.6234	0.6474	0.6711	0.6946	0.7179
0.7395	0.7582	0.7768	0.7953	0.8138
0.8321	0.8504	0.8685	0.8867	0.9047
0.9227	0.9240	0.9240	0.9252	0.9273
0.9359	0.9519	0.9679	0.9840	1.0000

Width:

0.1525	0.2798	0.2962	0.3127	0.3291
0.3455	0.3619	0.3783	0.3947	0.4111
0.4275	0.4439	0.4603	0.4767	0.4932
0.5091	0.5246	0.5402	0.5557	0.5682
0.5769	0.5857	0.5944	0.6032	0.6119
0.6207	0.6294	0.6382	0.6469	0.6556
0.6658	0.6784	0.6910	0.7036	0.7162
0.7288	0.7415	0.7541	0.7667	0.7793
0.7919	0.8195	0.8493	0.8792	0.9090
0.9331	0.9498	0.9665	0.9833	1.0000

Transect C70

Area:

0.0002	0.0007	0.0015	0.0027	0.0051
0.0099	0.0173	0.0278	0.0433	0.0599
0.0768	0.0939	0.1114	0.1291	0.1472
0.1657	0.1846	0.2038	0.2233	0.2431
0.2632	0.2836	0.3044	0.3256	0.3471
0.3690	0.3911	0.4135	0.4363	0.4593
0.4826	0.5063	0.5303	0.5546	0.5793
0.6045	0.6303	0.6571	0.6846	0.7124
0.7404	0.7685	0.7968	0.8253	0.8540
0.8828	0.9118	0.9409	0.9702	1.0000

Hrad:

0.0153	0.0305	0.0458	0.0610	0.0635
0.0641	0.0718	0.0807	0.0801	0.1091
0.1376	0.1656	0.1927	0.2194	0.2442
0.2682	0.2940	0.3194	0.3446	0.3697
0.3945	0.4163	0.4378	0.4607	0.4833
0.5066	0.5298	0.5526	0.5750	0.5972
0.6188	0.6401	0.6609	0.6812	0.6990
0.7134	0.7278	0.7253	0.7441	0.7684

0.7932 0.8177 0.8422 0.8671 0.8920
0.9168 0.9414 0.9660 0.9835 1.0000
Width:
0.0114 0.0229 0.0343 0.0457 0.1145
0.2010 0.2939 0.4215 0.5507 0.5591
0.5676 0.5763 0.5866 0.5969 0.6111
0.6262 0.6360 0.6459 0.6555 0.6647
0.6740 0.6879 0.7018 0.7131 0.7243
0.7341 0.7438 0.7536 0.7637 0.7738
0.7845 0.7952 0.8064 0.8180 0.8324
0.8510 0.8695 0.9098 0.9238 0.9304
0.9364 0.9424 0.9484 0.9538 0.9589
0.9641 0.9692 0.9744 0.9867 1.0000

Transect C72
Area:
0.0004 0.0015 0.0034 0.0060 0.0094
0.0135 0.0184 0.0244 0.0330 0.0429
0.0541 0.0665 0.0801 0.0947 0.1101
0.1260 0.1424 0.1594 0.1769 0.1950
0.2135 0.2325 0.2518 0.2716 0.2917
0.3122 0.3331 0.3544 0.3761 0.3986
0.4223 0.4474 0.4739 0.5016 0.5302
0.5595 0.5892 0.6191 0.6493 0.6798
0.7105 0.7415 0.7727 0.8042 0.8360
0.8681 0.9005 0.9333 0.9664 1.0000
Hrad:
0.0170 0.0340 0.0510 0.0680 0.0850
0.1020 0.1190 0.1122 0.1207 0.1384
0.1560 0.1739 0.1934 0.2129 0.2390
0.2646 0.2896 0.3141 0.3381 0.3617
0.3871 0.4128 0.4382 0.4632 0.4879
0.5124 0.5365 0.5604 0.5797 0.5871
0.5881 0.5892 0.5949 0.6017 0.6215
0.6428 0.6706 0.6983 0.7257 0.7530
0.7800 0.8069 0.8335 0.8600 0.8863
0.9103 0.9329 0.9554 0.9778 1.0000
Width:
0.0223 0.0446 0.0669 0.0892 0.1115
0.1338 0.1560 0.2193 0.2756 0.3125
0.3494 0.3854 0.4171 0.4481 0.4639
0.4797 0.4955 0.5113 0.5271 0.5429
0.5556 0.5672 0.5788 0.5903 0.6019
0.6135 0.6251 0.6366 0.6532 0.6836
0.7230 0.7647 0.8021 0.8394 0.8587
0.8757 0.8834 0.8911 0.8988 0.9065
0.9142 0.9219 0.9296 0.9373 0.9450
0.9550 0.9663 0.9775 0.9888 1.0000

Transect C80
Area:
0.0012 0.0046 0.0105 0.0182 0.0264
0.0351 0.0441 0.0536 0.0635 0.0739
0.0846 0.0958 0.1074 0.1193 0.1318
0.1446 0.1578 0.1713 0.1853 0.1997
0.2144 0.2296 0.2451 0.2610 0.2774
0.2943 0.3115 0.3293 0.3474 0.3660

0.3851 0.4045 0.4246 0.4452 0.4663
0.4881 0.5103 0.5333 0.5573 0.5824
0.6085 0.6378 0.6779 0.7213 0.7656
0.8106 0.8565 0.9033 0.9512 1.0000

Hrad:

0.0248 0.0497 0.0745 0.1123 0.1550
0.1959 0.2352 0.2732 0.3100 0.3459
0.3808 0.4149 0.4483 0.4810 0.5134
0.5462 0.5785 0.6103 0.6416 0.6726
0.7032 0.7334 0.7623 0.7897 0.8168
0.8438 0.8707 0.8974 0.9241 0.9506
0.9770 1.0011 1.0214 1.0420 1.0628
1.0837 1.1049 1.1126 1.1112 1.1120
1.1148 0.8397 0.7821 0.8106 0.8453
0.8796 0.9116 0.9413 0.9707 1.0000

Width:

0.0471 0.0942 0.1413 0.1628 0.1712
0.1797 0.1881 0.1966 0.2050 0.2135
0.2220 0.2304 0.2389 0.2473 0.2556
0.2635 0.2713 0.2792 0.2870 0.2949
0.3027 0.3106 0.3189 0.3278 0.3367
0.3457 0.3546 0.3635 0.3724 0.3814
0.3903 0.4001 0.4116 0.4231 0.4345
0.4460 0.4575 0.4749 0.4972 0.5195
0.5418 0.7575 0.8656 0.8889 0.9049
0.9209 0.9390 0.9593 0.9797 1.0000

Transect C81

Area:

0.0005 0.0021 0.0047 0.0084 0.0132
0.0190 0.0258 0.0337 0.0427 0.0527
0.0637 0.0759 0.0890 0.1031 0.1180
0.1336 0.1499 0.1671 0.1851 0.2038
0.2233 0.2435 0.2646 0.2864 0.3090
0.3323 0.3561 0.3801 0.4044 0.4290
0.4538 0.4789 0.5043 0.5300 0.5560
0.5822 0.6087 0.6354 0.6625 0.6898
0.7174 0.7453 0.7735 0.8022 0.8316
0.8621 0.8942 0.9278 0.9631 1.0000

Hrad:

0.0190 0.0380 0.0570 0.0760 0.0950
0.1139 0.1329 0.1519 0.1709 0.1899
0.2089 0.2279 0.2469 0.2711 0.2943
0.3171 0.3395 0.3616 0.3835 0.4051
0.4265 0.4477 0.4688 0.4897 0.5105
0.5346 0.5659 0.5969 0.6276 0.6580
0.6882 0.7181 0.7477 0.7770 0.8061
0.8350 0.8637 0.8921 0.9203 0.9483
0.9761 1.0037 1.0245 1.0396 1.0549
1.0696 1.0829 1.0950 1.1063 1.0000

Width:

0.0280 0.0559 0.0839 0.1118 0.1398
0.1677 0.1957 0.2236 0.2516 0.2795
0.3075 0.3355 0.3634 0.3832 0.4039
0.4245 0.4451 0.4657 0.4863 0.5069
0.5275 0.5481 0.5687 0.5893 0.6099
0.6264 0.6337 0.6409 0.6482 0.6555

0.6628 0.6701 0.6774 0.6847 0.6920
0.6993 0.7066 0.7138 0.7211 0.7284
0.7357 0.7430 0.7553 0.7718 0.7883
0.8295 0.8721 0.9148 0.9574 1.0000

Transect C85
Area:
0.0026 0.0095 0.0171 0.0249 0.0332
0.0417 0.0505 0.0597 0.0692 0.0790
0.0892 0.0996 0.1104 0.1215 0.1329
0.1447 0.1568 0.1692 0.1819 0.1949
0.2083 0.2221 0.2362 0.2507 0.2655
0.2807 0.2962 0.3122 0.3287 0.3457
0.3631 0.3809 0.3993 0.4181 0.4374
0.4574 0.4784 0.5006 0.5237 0.5484
0.5764 0.6084 0.6480 0.6914 0.7376
0.7866 0.8375 0.8904 0.9448 1.0000
Hrad:
0.0280 0.0717 0.1233 0.1728 0.2206
0.2668 0.3115 0.3551 0.3974 0.4388
0.4792 0.5188 0.5576 0.5958 0.6333
0.6702 0.7066 0.7425 0.7779 0.8111
0.8439 0.8764 0.9086 0.9406 0.9724
1.0039 1.0315 1.0560 1.0807 1.1055
1.1305 1.1556 1.1809 1.2062 1.2316
1.2253 1.2197 1.2172 1.2174 1.1584
1.0671 1.0067 0.8601 0.8570 0.8597
0.8749 0.8963 0.9182 0.9586 1.0000
Width:
0.0937 0.1334 0.1391 0.1449 0.1507
0.1565 0.1623 0.1681 0.1739 0.1797
0.1855 0.1913 0.1971 0.2029 0.2087
0.2144 0.2202 0.2260 0.2318 0.2382
0.2446 0.2510 0.2574 0.2638 0.2702
0.2766 0.2840 0.2925 0.3009 0.3093
0.3177 0.3261 0.3345 0.3430 0.3514
0.3696 0.3887 0.4077 0.4268 0.4703
0.5376 0.6453 0.7529 0.8068 0.8584
0.8998 0.9354 0.9711 0.9864 1.0000

Transect C87
Area:
0.0010 0.0041 0.0092 0.0158 0.0235
0.0324 0.0423 0.0531 0.0650 0.0778
0.0915 0.1060 0.1212 0.1372 0.1540
0.1712 0.1889 0.2070 0.2254 0.2444
0.2637 0.2834 0.3036 0.3241 0.3451
0.3664 0.3882 0.4102 0.4327 0.4555
0.4787 0.5022 0.5261 0.5504 0.5750
0.6001 0.6256 0.6514 0.6777 0.7044
0.7316 0.7593 0.7874 0.8160 0.8452
0.8749 0.9052 0.9361 0.9677 1.0000
Hrad:
0.0163 0.0327 0.0511 0.0723 0.0921
0.1125 0.1330 0.1527 0.1720 0.1915
0.2126 0.2331 0.2532 0.2730 0.2956
0.3207 0.3454 0.3697 0.3936 0.4173

0.4408 0.4642 0.4874 0.5103 0.5329
0.5554 0.5786 0.6017 0.6245 0.6472
0.6696 0.6919 0.7132 0.7342 0.7551
0.7758 0.7964 0.8165 0.8348 0.8530
0.8711 0.8892 0.9065 0.9218 0.9372
0.9527 0.9672 0.9779 0.9888 1.0000
Width:
0.0631 0.1263 0.1811 0.2180 0.2550
0.2880 0.3181 0.3481 0.3782 0.4066
0.4307 0.4547 0.4788 0.5028 0.5210
0.5341 0.5470 0.5599 0.5728 0.5857
0.5983 0.6106 0.6230 0.6353 0.6476
0.6599 0.6709 0.6819 0.6928 0.7038
0.7148 0.7258 0.7376 0.7496 0.7615
0.7735 0.7854 0.7977 0.8117 0.8257
0.8398 0.8538 0.8685 0.8851 0.9017
0.9183 0.9358 0.9572 0.9786 1.0000

Transect C89
Area:
0.0005 0.0018 0.0041 0.0073 0.0114
0.0171 0.0254 0.0350 0.0458 0.0576
0.0703 0.0839 0.0984 0.1138 0.1303
0.1477 0.1657 0.1841 0.2031 0.2225
0.2422 0.2623 0.2828 0.3037 0.3249
0.3465 0.3685 0.3909 0.4136 0.4368
0.4603 0.4842 0.5086 0.5335 0.5588
0.5846 0.6108 0.6375 0.6646 0.6922
0.7202 0.7487 0.7777 0.8074 0.8376
0.8685 0.9001 0.9324 0.9655 1.0000
Hrad:
0.0176 0.0352 0.0528 0.0703 0.0882
0.0784 0.1002 0.1209 0.1424 0.1656
0.1881 0.2099 0.2312 0.2515 0.2703
0.2933 0.3201 0.3464 0.3723 0.3999
0.4274 0.4545 0.4813 0.5077 0.5339
0.5594 0.5845 0.6094 0.6340 0.6584
0.6826 0.7048 0.7265 0.7480 0.7693
0.7906 0.8122 0.8337 0.8552 0.8765
0.8977 0.9154 0.9317 0.9481 0.9645
0.9781 0.9914 1.0049 1.0056 1.0000
Width:
0.0259 0.0517 0.0776 0.1034 0.1288
0.2185 0.2541 0.2897 0.3217 0.3477
0.3737 0.3997 0.4257 0.4528 0.4821
0.5037 0.5176 0.5316 0.5455 0.5563
0.5667 0.5772 0.5876 0.5981 0.6085
0.6194 0.6303 0.6413 0.6523 0.6632
0.6742 0.6869 0.7000 0.7131 0.7262
0.7393 0.7519 0.7645 0.7770 0.7895
0.8021 0.8177 0.8345 0.8514 0.8683
0.8878 0.9078 0.9277 0.9601 1.0000

Transect C91
Area:
0.0066 0.0151 0.0241 0.0337 0.0438
0.0545 0.0658 0.0776 0.0899 0.1028

0.1163 0.1303 0.1448 0.1599 0.1756
0.1918 0.2084 0.2254 0.2426 0.2603
0.2782 0.2965 0.3151 0.3340 0.3532
0.3729 0.3930 0.4135 0.4345 0.4559
0.4778 0.5001 0.5229 0.5461 0.5699
0.5942 0.6190 0.6443 0.6702 0.6967
0.7237 0.7513 0.7795 0.8084 0.8380
0.8682 0.8990 0.9311 0.9647 1.0000

Hrad:

0.0311 0.0668 0.1004 0.1324 0.1629
0.1923 0.2207 0.2482 0.2750 0.3010
0.3266 0.3516 0.3761 0.3997 0.4228
0.4476 0.4750 0.5018 0.5281 0.5540
0.5795 0.6046 0.6293 0.6536 0.6776
0.6978 0.7176 0.7372 0.7568 0.7762
0.7955 0.8147 0.8338 0.8520 0.8679
0.8838 0.8998 0.9159 0.9320 0.9482
0.9642 0.9768 0.9896 1.0027 1.0160
1.0295 1.0399 1.0279 1.0185 1.0000

Width:

0.2260 0.2411 0.2562 0.2713 0.2864
0.3015 0.3166 0.3318 0.3469 0.3620
0.3771 0.3922 0.4073 0.4230 0.4390
0.4521 0.4612 0.4703 0.4794 0.4885
0.4976 0.5067 0.5158 0.5249 0.5340
0.5461 0.5584 0.5707 0.5830 0.5953
0.6076 0.6199 0.6322 0.6451 0.6600
0.6748 0.6897 0.7045 0.7194 0.7343
0.7493 0.7673 0.7853 0.8033 0.8213
0.8394 0.8602 0.9027 0.9452 1.0000

Transect C93

Area:

0.0014 0.0055 0.0109 0.0174 0.0246
0.0322 0.0402 0.0486 0.0574 0.0666
0.0763 0.0863 0.0968 0.1076 0.1189
0.1306 0.1427 0.1552 0.1682 0.1816
0.1955 0.2098 0.2245 0.2397 0.2555
0.2717 0.2883 0.3055 0.3234 0.3422
0.3619 0.3826 0.4043 0.4283 0.4544
0.4819 0.5110 0.5424 0.5766 0.6116
0.6471 0.6830 0.7195 0.7565 0.7941
0.8321 0.8708 0.9107 0.9519 1.0000

Hrad:

0.0261 0.0570 0.0955 0.1305 0.1729
0.2141 0.2537 0.2919 0.3289 0.3648
0.3999 0.4342 0.4678 0.5007 0.5331
0.5651 0.5965 0.6258 0.6549 0.6838
0.7124 0.7409 0.7691 0.7961 0.8217
0.8473 0.8729 0.8985 0.9069 0.9123
0.9196 0.9286 0.9157 0.8737 0.8736
0.8781 0.8738 0.8563 0.8515 0.8971
0.9355 0.9736 1.0113 1.0487 1.0857
1.1225 1.1449 1.1607 1.1658 1.0000

Width:

0.0504 0.0908 0.1084 0.1259 0.1341
0.1415 0.1490 0.1564 0.1638 0.1713

0.1787 0.1862 0.1936 0.2010 0.2085
0.2159 0.2234 0.2315 0.2396 0.2477
0.2558 0.2640 0.2721 0.2806 0.2897
0.2987 0.3077 0.3168 0.3323 0.3497
0.3670 0.3844 0.4123 0.4583 0.4865
0.5136 0.5476 0.5936 0.6349 0.6392
0.6485 0.6579 0.6672 0.6766 0.6860
0.6953 0.7136 0.7364 0.7666 1.0000

Transect C95
Area:
0.0009 0.0035 0.0080 0.0142 0.0222
0.0317 0.0418 0.0525 0.0636 0.0752
0.0873 0.0999 0.1128 0.1260 0.1396
0.1535 0.1677 0.1823 0.1971 0.2123
0.2279 0.2438 0.2600 0.2765 0.2934
0.3106 0.3281 0.3459 0.3641 0.3826
0.4015 0.4209 0.4409 0.4616 0.4830
0.5052 0.5282 0.5519 0.5764 0.6017
0.6294 0.6601 0.6934 0.7290 0.7667
0.8074 0.8517 0.8992 0.9488 1.0000
Hrad:
0.0262 0.0524 0.0785 0.1047 0.1309
0.1680 0.2109 0.2522 0.2921 0.3308
0.3684 0.4086 0.4494 0.4893 0.5286
0.5672 0.6051 0.6425 0.6793 0.7156
0.7515 0.7868 0.8218 0.8564 0.8906
0.9244 0.9580 0.9912 1.0241 1.0568
1.0828 1.1010 1.1197 1.1319 1.1431
1.1554 1.1686 1.1826 1.1973 1.1899
1.1149 1.0695 1.0405 1.0343 1.0216
0.9852 0.9639 0.9601 0.9798 1.0000
Width:
0.0341 0.0682 0.1023 0.1364 0.1704
0.1898 0.1993 0.2088 0.2183 0.2279
0.2374 0.2447 0.2510 0.2573 0.2637
0.2700 0.2764 0.2827 0.2890 0.2954
0.3017 0.3080 0.3144 0.3207 0.3271
0.3334 0.3397 0.3461 0.3524 0.3588
0.3673 0.3788 0.3902 0.4042 0.4189
0.4337 0.4484 0.4631 0.4778 0.5022
0.5615 0.6144 0.6639 0.7025 0.7485
0.8181 0.8827 0.9361 0.9681 1.0000

Transect C96
Area:
0.0005 0.0020 0.0045 0.0080 0.0126
0.0179 0.0236 0.0296 0.0360 0.0426
0.0496 0.0569 0.0645 0.0724 0.0807
0.0940 0.1107 0.1319 0.1535 0.1755
0.1979 0.2206 0.2438 0.2673 0.2914
0.3159 0.3408 0.3661 0.3916 0.4175
0.4438 0.4703 0.4972 0.5244 0.5519
0.5798 0.6080 0.6365 0.6652 0.6943
0.7237 0.7533 0.7832 0.8134 0.8439
0.8746 0.9056 0.9368 0.9683 1.0000
Hrad:

0.0160 0.0319 0.0479 0.0639 0.0798
0.1030 0.1284 0.1527 0.1762 0.1989
0.2210 0.2425 0.2636 0.2842 0.3038
0.3043 0.2334 0.1960 0.2243 0.2522
0.2798 0.3069 0.3325 0.3576 0.3824
0.4069 0.4332 0.4592 0.4850 0.5105
0.5357 0.5609 0.5858 0.6105 0.6350
0.6594 0.6836 0.7084 0.7330 0.7574
0.7816 0.8057 0.8296 0.8544 0.8790
0.9035 0.9278 0.9520 0.9761 1.0000

Width:

0.0315 0.0631 0.0946 0.1262 0.1577
0.1742 0.1841 0.1940 0.2039 0.2138
0.2237 0.2336 0.2435 0.2534 0.3065
0.4567 0.6405 0.6734 0.6848 0.6962
0.7077 0.7191 0.7333 0.7479 0.7625
0.7768 0.7872 0.7976 0.8079 0.8183
0.8287 0.8389 0.8491 0.8593 0.8695
0.8797 0.8897 0.8988 0.9079 0.9171
0.9262 0.9353 0.9444 0.9523 0.9603
0.9682 0.9762 0.9841 0.9921 1.0000

Transect C99

Area:

0.0003 0.0013 0.0030 0.0053 0.0082
0.0117 0.0157 0.0202 0.0253 0.0308
0.0370 0.0439 0.0516 0.0601 0.0690
0.0783 0.0881 0.0983 0.1089 0.1199
0.1360 0.1539 0.1732 0.1942 0.2187
0.2444 0.2705 0.2970 0.3239 0.3512
0.3790 0.4073 0.4361 0.4655 0.4955
0.5262 0.5576 0.5897 0.6221 0.6549
0.6880 0.7214 0.7551 0.7891 0.8235
0.8581 0.8931 0.9284 0.9641 1.0000

Hrad:

0.0180 0.0360 0.0540 0.0720 0.0922
0.1126 0.1324 0.1518 0.1709 0.1902
0.2042 0.2156 0.2284 0.2485 0.2719
0.2948 0.3173 0.3394 0.3611 0.3825
0.3866 0.3920 0.3998 0.3804 0.3081
0.3404 0.3723 0.4019 0.4309 0.4597
0.4881 0.5148 0.5404 0.5657 0.5903
0.6123 0.6342 0.6594 0.6890 0.7183
0.7474 0.7763 0.8050 0.8335 0.8617
0.8897 0.9176 0.9452 0.9727 1.0000

Width:

0.0183 0.0366 0.0548 0.0731 0.0889
0.1035 0.1181 0.1327 0.1473 0.1615
0.1804 0.2028 0.2252 0.2409 0.2526
0.2644 0.2762 0.2880 0.2998 0.3325
0.4767 0.5157 0.5519 0.6187 0.7095
0.7178 0.7262 0.7386 0.7511 0.7637
0.7762 0.7909 0.8068 0.8228 0.8395
0.8594 0.8794 0.8944 0.9031 0.9119
0.9206 0.9293 0.9380 0.9468 0.9557
0.9645 0.9734 0.9823 0.9911 1.0000

```
****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ NO
  Water Quality .......... NO
Infiltration Method ...... CURVE_NUMBER
Flow Routing Method ...... DYNWAVE
Surcharge Method ......... EXTRAN
Starting Date ............ 04/10/2025 00:00:00
Ending Date .............. 04/13/2025 12:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:05:00
Routing Time Step ........ 5.00 sec
Variable Time Step ....... YES
Maximum Trials ........... 8
Number of Threads ........ 6
Head Tolerance ........... 0.001500 m
```

Runoff Quantity Continuity	Volume hectare-m	Depth mm
Total Precipitation	8.124	103.500
Evaporation Loss	0.000	0.000
Infiltration Loss	4.029	51.338
Surface Runoff	4.033	51.377
Final Storage	0.072	0.920
Continuity Error (%)	-0.131	

Flow Routing Continuity	Volume hectare-m	Volume 10^6 ltr
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	4.033	40.327
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	3.993	39.933
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.326	3.257
Final Stored Volume	0.360	3.602
Continuity Error (%)	0.112	

```
*************************
Highest Continuity Errors
*************************
Node 16064 (54.76%)
Node 16088 (11.78%)
Node 16127 (2.94%)
Node 16082 (1.79%)


***************************
Time-Step Critical Elements
***************************
Link C36_8 (40.46%)
Link C68 (28.71%)
Link C105 (15.68%)
Link C104 (12.71%)
Link C131 (1.23%)


*******************************
Highest Flow Instability Indexes
*******************************
Link C104 (17)
Link C2 (16)
Link C105 (15)
Link C102 (11)
Link C118 (8)


*******************************
Most Frequent Nonconverging Nodes
*******************************
Convergence obtained at all time steps.


*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     0.00 sec
Average Time Step           :     2.25 sec
Maximum Time Step           :     5.00 sec
% of Time in Steady State   :     0.00
Average Iterations per Step :     2.07
% of Steps Not Converging   :     0.00
Time Step Frequencies       :
    5.000 -  3.155 sec      :    41.78 %
    3.155 -  1.991 sec      :    12.20 %
    1.991 -  1.256 sec      :    11.51 %
    1.256 -  0.792 sec      :    13.48 %
    0.792 -  0.500 sec      :    21.04 %


***************************
Subcatchment Runoff Summary
***************************

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```

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
S1	103.50	0.00	0.00	57.29	2.05	43.03	45.08	0.19	0.06	0.436
S1_1	103.50	0.00	0.00	55.34	2.05	45.08	47.14	0.21	0.09	0.455
S1_3	103.50	0.00	0.00	56.38	2.05	43.96	46.01	0.33	0.12	0.445
S1_4	103.50	0.00	0.00	56.38	2.05	43.98	46.03	0.22	0.08	0.445
S1_5	103.50	0.00	0.00	56.24	2.05	44.15	46.20	0.15	0.06	0.446
S1_6	103.50	0.00	0.00	56.49	2.05	43.85	45.90	0.11	0.04	0.443
S1_7	103.50	0.00	0.00	56.27	2.05	44.11	46.16	0.20	0.08	0.446
S1_8	103.50	0.00	0.00	56.35	2.05	44.01	46.06	0.11	0.04	0.445
S10	103.50	0.00	0.00	57.01	2.05	43.38	45.43	0.38	0.15	0.439
S109_2	103.50	0.00	0.00	57.18	2.05	43.15	45.19	0.05	0.02	0.437
S11	103.50	0.00	0.00	57.40	2.05	42.89	44.94	0.50	0.14	0.434
S112	103.50	0.00	0.00	57.15	2.05	43.21	45.25	0.23	0.08	0.437
S113	103.50	0.00	0.00	57.15	2.05	43.19	45.23	0.28	0.10	0.437
S114	103.50	0.00	0.00	57.29	2.05	43.01	45.06	0.47	0.14	0.435
S115_1	103.50	0.00	0.00	57.15	2.05	43.20	45.25	0.38	0.13	0.437
S115_2	103.50	0.00	0.00	6.98	82.18	13.54	95.72	0.01	0.00	0.925
S12	103.50	0.00	0.00	57.40	2.05	42.91	44.96	1.27	0.35	0.434
S127	103.50	0.00	0.00	57.60	2.05	42.69	44.74	0.52	0.12	0.432
S129_2	103.50	0.00	0.00	57.26	2.05	43.05	45.10	0.30	0.09	0.436
S130	103.50	0.00	0.00	57.07	2.05	43.28	45.33	0.28	0.10	0.438
S132	103.50	0.00	0.00	57.37	2.05	42.94	44.99	0.54	0.15	0.435
S137	103.50	92.95	0.00	59.27	3.91	131.93	135.83	2.94	0.38	0.691
S144	103.50	0.00	0.00	57.49	2.05	42.81	44.86	0.76	0.19	0.433
S15_4	103.50	0.00	0.00	57.35	2.05	42.96	45.01	0.08	0.02	0.435
S16	103.50	0.00	0.00	57.15	2.05	43.18	45.22	0.28	0.09	0.437
S18	103.50	0.00	0.00	57.07	2.05	43.28	45.33	0.24	0.09	0.438

S19		103.50	0.00	0.00	57.10	2.05	
43.26	45.31	0.26	0.09	0.438			
S2		103.50	0.00	0.00	57.51	2.05	
42.77	44.82	0.19	0.05	0.433			
S2_1		103.50	0.00	0.00	53.38	2.07	
48.05	50.12	0.69	0.15	0.484			
S2_10		103.50	0.00	0.00	53.19	2.07	
48.40	50.47	0.19	0.07	0.488			
S2_11		103.50	0.00	0.00	53.19	2.07	
48.42	50.49	0.18	0.07	0.488			
S2_13		103.50	0.00	0.00	6.83	82.00	
13.63	95.62	0.02	0.01	0.924			
S2_14		103.50	0.00	0.00	6.83	82.00	
13.63	95.62	0.03	0.01	0.924			
S2_15		103.50	0.00	0.00	56.55	2.05	
43.83	45.88	0.10	0.04	0.443			
S2_16		103.50	11.24	0.00	56.68	2.27	
54.69	56.96	0.32	0.10	0.496			
S2_17		103.50	23.83	0.00	56.98	2.53	
66.69	69.22	0.29	0.08	0.544			
S2_18		103.50	0.00	0.00	56.15	2.05	
44.32	46.37	0.07	0.03	0.448			
S2_19		103.50	0.00	0.00	56.20	2.05	
44.27	46.33	0.03	0.01	0.448			
S2_2		103.50	0.00	0.00	53.86	2.07	
47.51	49.58	1.28	0.19	0.479			
S2_20		103.50	0.00	0.00	56.26	2.05	
44.18	46.23	0.08	0.03	0.447			
S2_21		103.50	0.00	0.00	56.12	2.05	
44.35	46.40	0.10	0.04	0.448			
S2_22		103.50	0.00	0.00	57.10	2.05	
43.18	45.23	0.03	0.01	0.437			
S2_23		103.50	0.00	0.00	56.61	2.05	
43.73	45.78	0.15	0.05	0.442			
S2_24		103.50	0.00	0.00	57.07	2.05	
43.20	45.25	0.02	0.00	0.437			
S2_25		103.50	0.00	0.00	56.84	2.05	
43.44	45.49	0.02	0.00	0.440			
S2_26		103.50	0.00	0.00	57.15	2.05	
43.11	45.16	0.01	0.00	0.436			
S2_27		103.50	0.00	0.00	6.83	82.00	
13.63	95.62	0.04	0.01	0.924			
S2_28		103.50	0.00	0.00	6.83	82.00	
13.63	95.62	0.02	0.01	0.924			
S2_29		103.50	0.00	0.00	6.83	82.00	
13.63	95.62	0.03	0.01	0.924			
S2_3		103.50	0.00	0.00	53.55	2.07	
47.86	49.93	0.86	0.16	0.482			
S2_30		103.50	0.00	0.00	6.83	82.00	
13.63	95.62	0.03	0.01	0.924			
S2_31		103.50	0.00	0.00	6.83	82.00	
13.63	95.62	0.02	0.01	0.924			
S2_32		103.50	0.00	0.00	6.83	82.00	
13.63	95.62	0.02	0.01	0.924			
S2_33		103.50	0.00	0.00	54.50	2.07	
46.79	48.86	1.08	0.11	0.472			
S2_34		103.50	0.00	0.00	6.83	82.00	
13.63	95.62	0.02	0.01	0.924			
S2_35		103.50	0.00	0.00	6.83	82.00	
13.63	95.62	0.02	0.01	0.924			

S2_36		103.50	0.00	0.00	6.83	82.00	
13.63	95.62	0.04	0.01	0.924			
S2_37		103.50	0.00	0.00	6.83	82.00	
13.63	95.62	0.02	0.01	0.924			
S2_38		103.50	0.00	0.00	6.83	82.00	
13.63	95.62	0.03	0.01	0.924			
S2_39		103.50	0.00	0.00	6.83	82.00	
13.63	95.62	0.03	0.01	0.924			
S2_4		103.50	0.00	0.00	6.86	82.28	
13.66	95.94	0.02	0.01	0.927			
S2_40		103.50	0.00	0.00	6.83	82.00	
13.63	95.62	0.02	0.01	0.924			
S2_41		103.50	0.00	0.00	6.83	82.00	
13.63	95.62	0.02	0.01	0.924			
S2_5		103.50	0.00	0.00	53.52	2.07	
47.89	49.96	2.01	0.38	0.483			
S2_6		103.50	0.00	0.00	53.41	2.07	
48.02	50.09	0.53	0.11	0.484			
S2_7		103.50	0.00	0.00	53.69	2.07	
47.70	49.77	0.74	0.12	0.481			
S2_8		103.50	0.00	0.00	54.00	2.07	
47.35	49.42	1.79	0.24	0.478			
S2_9		103.50	0.00	0.00	56.51	2.05	
43.84	45.89	0.08	0.03	0.443			
S20		103.50	0.00	0.00	57.46	2.05	
42.85	44.89	0.30	0.08	0.434			
S20_1		103.50	0.00	0.00	0.00	102.80	
0.00	102.80	0.61	0.21	0.993			
S20_10		103.50	0.00	0.00	0.00	102.80	
0.00	102.80	0.61	0.21	0.993			
S20_11		103.50	0.00	0.00	0.00	102.80	
0.00	102.80	0.75	0.25	0.993			
S20_12		103.50	0.00	0.00	6.99	82.26	
13.53	95.79	0.04	0.01	0.925			
S20_13		103.50	0.00	0.00	0.00	102.80	
0.00	102.80	0.82	0.28	0.993			
S20_2		103.50	0.00	0.00	6.99	82.26	
13.53	95.79	0.12	0.04	0.925			
S20_3		103.50	0.00	0.00	0.00	102.80	
0.00	102.80	1.04	0.36	0.993			
S20_6		103.50	0.00	0.00	6.99	82.26	
13.53	95.79	0.10	0.04	0.925			
S20_7		103.50	0.00	0.00	0.00	102.80	
0.00	102.80	0.16	0.05	0.993			
S20_8		103.50	0.00	0.00	0.00	102.80	
0.00	102.80	0.79	0.27	0.993			
S20_9		103.50	0.00	0.00	0.00	102.80	
0.00	102.80	0.62	0.21	0.993			
S22		103.50	0.00	0.00	57.43	2.05	
42.86	44.90	0.31	0.08	0.434			
S22_1		103.50	0.00	0.00	56.71	2.05	
43.77	45.82	0.02	0.01	0.443			
S22_4		103.50	0.00	0.00	6.97	82.06	
13.56	95.62	0.03	0.01	0.924			
S22_5		103.50	0.00	0.00	6.97	82.06	
13.56	95.62	0.05	0.02	0.924			
S23		103.50	0.00	0.00	57.71	2.05	
42.57	44.62	1.12	0.23	0.431			
S25		103.50	0.00	0.00	57.46	2.05	
42.84	44.88	0.55	0.14	0.434			

S29			103.50	0.00	0.00	57.18	2.05	
43.16	45.21	0.24	0.08	0.437				
S3			103.50	30.36	0.00	57.99	2.65	
72.03	74.68	0.99	0.19	0.558				
S33			103.50	0.00	0.00	57.46	2.05	
42.83	44.87	0.61	0.15	0.434				
S34			103.50	0.00	0.00	57.21	2.05	
43.11	45.16	0.69	0.22	0.436				
S36			103.50	0.00	0.00	57.21	2.05	
43.11	45.16	0.63	0.20	0.436				
S37_2			103.50	0.00	0.00	57.35	2.05	
42.96	45.01	0.58	0.16	0.435				
S4			103.50	0.00	0.00	57.12	2.05	
43.24	45.28	0.06	0.02	0.438				
S44_3			103.50	0.00	0.00	57.15	2.05	
43.19	45.23	0.30	0.10	0.437				
S45			103.50	0.00	0.00	56.96	2.05	
43.46	45.51	0.20	0.08	0.440				
S48_1			103.50	0.00	0.00	57.35	2.05	
42.96	45.01	0.57	0.16	0.435				
S5			103.50	0.00	0.00	53.19	2.07	
48.35	50.42	1.34	0.47	0.487				
S51			103.50	11.80	0.00	57.63	2.28	
54.23	56.51	0.82	0.18	0.490				
S54			103.50	0.00	0.00	57.07	2.05	
43.29	45.33	0.28	0.10	0.438				
S56_1			103.50	0.00	0.00	56.90	2.05	
43.52	45.57	0.13	0.05	0.440				
S6			103.50	0.00	0.00	53.19	2.07	
48.36	50.43	0.40	0.14	0.487				
S61			103.50	0.00	0.00	57.60	2.05	
42.66	44.71	0.35	0.08	0.432				
S63_2			103.50	0.00	0.00	57.71	2.05	
42.54	44.59	0.15	0.03	0.431				
S63_3			103.50	0.00	0.00	57.65	2.05	
42.61	44.66	0.17	0.04	0.431				
S65			103.50	0.00	0.00	57.79	2.05	
42.47	44.52	0.41	0.08	0.430				
S69			103.50	0.00	0.00	57.60	2.05	
42.68	44.72	0.57	0.13	0.432				
S7			103.50	0.00	0.00	6.98	82.26	
13.54	95.80	0.47	0.17	0.926				
S76_3			103.50	162.30	0.00	57.77	5.29	
201.78	207.08	1.62	0.33	0.779				
S77			103.50	0.00	0.00	57.24	2.05	
43.08	45.12	0.23	0.07	0.436				
S8			103.50	0.00	0.00	6.98	82.26	
13.53	95.79	0.30	0.11	0.926				
S80_3			103.50	0.00	0.00	6.97	82.09	
13.56	95.65	0.03	0.01	0.924				
S88_2			103.50	0.00	0.00	57.37	2.05	
42.92	44.97	0.45	0.13	0.434				
S88_3			103.50	0.00	0.00	6.98	82.17	
13.54	95.71	0.06	0.02	0.925				
S9_1			103.50	0.00	0.00	57.15	2.05	
43.19	45.24	0.16	0.06	0.437				
S9_2			103.50	0.00	0.00	57.43	2.05	
42.86	44.90	0.09	0.02	0.434				
S9_3			103.50	0.00	0.00	57.43	2.05	
42.86	44.90	0.11	0.03	0.434				

S90		103.50	0.00	0.00	57.35	2.05	
42.95	44.99	0.24	0.07	0.435			
S91_1		103.50	0.00	0.00	6.98	82.19	
13.54	95.72	0.05	0.02	0.925			
S91_2		103.50	0.00	0.00	56.93	2.05	
43.47	45.52	0.11	0.04	0.440			
S92		103.50	0.00	0.00	57.29	2.05	
43.03	45.08	0.30	0.09	0.436			

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Node Depth Summary
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Node	Type	Average Depth Meters	Maximum Depth Meters	Maximum HGL Meters	Time of Max Occurrence days hr:min	Reported Max Depth Meters
16017	JUNCTION	0.03	0.65	95.13	0 12:52	0.65
16026	JUNCTION	0.03	0.78	95.13	0 12:52	0.78
16027	JUNCTION	0.07	1.30	95.13	0 12:50	1.30
16047	JUNCTION	0.09	1.43	95.13	0 12:51	1.43
16052	JUNCTION	0.08	1.40	95.13	0 12:51	1.39
16058	JUNCTION	0.01	0.04	93.74	0 12:03	0.03
16064	JUNCTION	0.15	0.19	93.74	0 12:03	0.19
16070	JUNCTION	0.00	0.03	93.75	0 12:00	0.03
16076	JUNCTION	0.00	0.15	93.76	0 12:00	0.14
16082	JUNCTION	0.02	0.20	93.76	0 12:00	0.20
16088	JUNCTION	0.16	0.34	93.76	0 12:00	0.34
16094	JUNCTION	0.01	0.19	93.76	0 12:00	0.19
16100	JUNCTION	0.01	0.18	93.59	0 12:00	0.18
16106	JUNCTION	0.01	0.14	93.34	0 12:00	0.14
16112	JUNCTION	0.01	0.20	93.00	0 12:00	0.20
16115	JUNCTION	0.01	0.18	92.85	0 12:01	0.18
16127	JUNCTION	0.11	1.56	95.13	0 12:53	1.56
16130	JUNCTION	0.17	1.71	95.13	0 12:51	1.71
16147	JUNCTION	0.00	0.00	95.44	0 00:00	0.00
16156	JUNCTION	0.00	0.00	94.81	0 00:00	0.00
16159	JUNCTION	0.00	0.00	94.69	0 00:00	0.00
16167	JUNCTION	0.00	0.00	94.53	0 00:00	0.00
16172	JUNCTION	0.00	0.00	95.17	0 00:00	0.00
16178	JUNCTION	0.00	0.00	95.46	0 00:00	0.00
16184	JUNCTION	0.00	0.00	95.47	0 00:00	0.00
16190	JUNCTION	0.00	0.00	95.58	0 00:00	0.00
16196	JUNCTION	0.00	0.00	95.68	0 00:00	0.00
16202	JUNCTION	0.00	0.00	95.72	0 00:00	0.00
16209	JUNCTION	0.00	0.00	96.00	0 00:00	0.00
16215	JUNCTION	0.00	0.00	96.20	0 00:00	0.00
16221	JUNCTION	0.00	0.00	96.34	0 00:00	0.00
16228	JUNCTION	0.00	0.00	96.51	0 00:00	0.00
16234	JUNCTION	0.00	0.00	96.72	0 00:00	0.00
16239	JUNCTION	0.00	0.00	98.39	0 00:00	0.00
16246	JUNCTION	0.00	0.00	98.89	0 00:00	0.00
16251	JUNCTION	0.00	0.00	99.08	0 00:00	0.00
16258	JUNCTION	0.00	0.00	99.21	0 00:00	0.00
16264	JUNCTION	0.00	0.00	99.40	0 00:00	0.00

16270	JUNCTION	0.00	0.00	99.93	0	00:00	0.00
16274	JUNCTION	0.00	0.00	100.26	0	00:00	0.00
16306	JUNCTION	0.00	0.00	101.01	0	00:00	0.00
16307	JUNCTION	0.00	0.00	100.86	0	00:00	0.00
16314	JUNCTION	0.00	0.00	100.25	0	00:00	0.00
16320	JUNCTION	0.00	0.00	100.26	0	00:00	0.00
16326	JUNCTION	0.00	0.00	100.21	0	00:00	0.00
16332	JUNCTION	0.00	0.00	100.05	0	00:00	0.00
16338	JUNCTION	0.00	0.00	99.16	0	00:00	0.00
16341	JUNCTION	0.00	0.00	98.21	0	00:00	0.00
16343	JUNCTION	0.00	0.00	97.87	0	00:00	0.00
16346	JUNCTION	0.00	0.00	97.79	0	00:00	0.00
16347	JUNCTION	0.00	0.00	97.75	0	00:00	0.00
16362	JUNCTION	0.00	0.00	98.19	0	00:00	0.00
16365	JUNCTION	0.00	0.00	98.75	0	00:00	0.00
16373	JUNCTION	0.00	0.00	99.43	0	00:00	0.00
16380	JUNCTION	0.00	0.00	99.56	0	00:00	0.00
16386	JUNCTION	0.00	0.00	99.67	0	00:00	0.00
16393	JUNCTION	0.00	0.00	99.99	0	00:00	0.00
25006	JUNCTION	0.06	0.69	95.27	0	12:09	0.69
25010	JUNCTION	0.05	0.68	95.27	0	12:09	0.68
25014	JUNCTION	0.08	0.70	95.27	0	12:09	0.70
25025	JUNCTION	0.05	0.71	95.35	0	12:09	0.71
25028	JUNCTION	0.03	0.66	95.35	0	12:10	0.66
26414	JUNCTION	0.02	0.55	95.13	0	12:52	0.55
26419	JUNCTION	0.01	0.37	95.13	0	12:52	0.37
26432	JUNCTION	0.05	0.68	95.27	0	12:09	0.68
26456	JUNCTION	0.17	0.82	95.27	0	12:09	0.82
26468	JUNCTION	0.16	0.81	95.27	0	12:09	0.81
26481	JUNCTION	0.09	0.73	95.27	0	12:09	0.73
26502	JUNCTION	0.06	0.69	95.27	0	12:09	0.69
26541	JUNCTION	0.01	0.46	95.35	0	12:09	0.46
26548	JUNCTION	0.01	0.38	95.35	0	12:09	0.38
26560	JUNCTION	0.00	0.11	95.35	0	12:09	0.11
26567	JUNCTION	0.00	0.10	95.35	0	12:09	0.09
26578	JUNCTION	0.00	0.00	95.36	0	00:00	0.00
26599	JUNCTION	0.00	0.00	95.35	0	00:00	0.00
26602	JUNCTION	0.00	0.00	94.90	0	00:00	0.00
J1	JUNCTION	0.14	1.65	95.13	0	12:51	1.65
J10	JUNCTION	0.02	0.18	104.01	0	12:05	0.18
J101	JUNCTION	0.03	0.59	99.65	0	12:17	0.59
J11	JUNCTION	0.06	0.62	100.43	0	12:06	0.62
J117	JUNCTION	0.02	0.15	100.60	0	12:02	0.15
J12	JUNCTION	0.01	0.12	108.33	0	12:06	0.12
J13	JUNCTION	0.01	0.07	109.87	0	12:04	0.07
J14	JUNCTION	0.03	0.22	92.28	0	12:03	0.22
J15	JUNCTION	0.01	0.11	107.72	0	12:04	0.11
J152	JUNCTION	0.01	0.16	102.75	0	12:00	0.16
J16	JUNCTION	0.03	0.46	100.49	0	12:06	0.46
J160	JUNCTION	0.03	0.27	103.81	0	12:01	0.27
J17	JUNCTION	0.04	0.30	93.03	0	12:03	0.30
J18	JUNCTION	0.04	0.42	97.65	0	12:12	0.42
J19	JUNCTION	0.05	0.58	98.88	0	12:10	0.58
J2	JUNCTION	0.06	0.59	99.61	0	12:08	0.59
J20	JUNCTION	0.06	0.65	100.23	0	12:07	0.65
J21	JUNCTION	0.02	0.24	100.61	0	12:07	0.24
J22	JUNCTION	0.03	0.33	97.35	0	12:13	0.33

J23	JUNCTION	0.11	0.15	96.76	0	17:06	0.15
J24	JUNCTION	0.00	0.00	96.89	0	00:00	0.00
J25	JUNCTION	0.12	0.16	96.80	0	17:05	0.16
J253	JUNCTION	0.01	0.12	102.31	0	12:01	0.12
J258	JUNCTION	0.02	0.20	97.08	0	12:13	0.20
J259	JUNCTION	0.04	0.44	99.76	0	12:09	0.44
J26	JUNCTION	0.02	0.36	98.28	0	12:00	0.36
J27	JUNCTION	0.12	0.16	96.83	0	17:05	0.16
J274	JUNCTION	0.02	0.17	91.55	0	12:04	0.17
J276	JUNCTION	0.02	0.18	96.44	0	12:17	0.18
J28	JUNCTION	0.01	0.21	100.71	0	12:01	0.21
J29	JUNCTION	0.03	0.40	101.45	0	12:01	0.40
J3	JUNCTION	0.00	0.00	97.56	0	00:00	0.00
J30	JUNCTION	0.02	0.30	101.65	0	12:01	0.30
J31	JUNCTION	0.02	0.27	102.06	0	12:00	0.27
J32	JUNCTION	0.01	0.23	102.23	0	12:00	0.23
J33	JUNCTION	0.04	0.34	95.23	0	12:03	0.34
J34	JUNCTION	0.01	0.13	102.50	0	12:00	0.13
J35	JUNCTION	0.09	0.44	95.21	0	12:01	0.44
J36	JUNCTION	0.05	0.68	95.27	0	12:09	0.68
J37	JUNCTION	0.12	0.16	96.69	0	12:00	0.16
J38	JUNCTION	0.69	1.24	97.94	0	17:04	1.24
J39	JUNCTION	0.16	0.66	98.18	0	12:00	0.66
J40	JUNCTION	0.13	0.23	96.53	0	12:00	0.23
J41	JUNCTION	0.11	0.23	96.41	0	12:00	0.23
J42	JUNCTION	0.10	0.25	96.25	0	12:00	0.25
J43	JUNCTION	0.03	0.21	95.02	0	12:03	0.21
J44	JUNCTION	0.09	0.27	95.77	0	12:00	0.27
J45	JUNCTION	0.12	0.44	95.27	0	12:09	0.44
J46	JUNCTION	0.00	0.07	98.31	0	12:00	0.07
J47	JUNCTION	0.31	0.79	97.99	0	17:04	0.79
J48	JUNCTION	0.01	0.18	98.46	0	12:00	0.18
J49	JUNCTION	0.01	0.11	101.01	0	12:00	0.11
J5	JUNCTION	0.03	0.51	92.31	0	12:02	0.51
J50	JUNCTION	0.00	0.09	98.92	0	12:00	0.09
J51	JUNCTION	0.03	0.57	98.87	0	12:00	0.57
J52	JUNCTION	0.01	0.21	100.21	0	12:00	0.21
J53	JUNCTION	0.01	0.22	97.33	0	12:00	0.22
J54	JUNCTION	0.02	0.25	99.34	0	12:00	0.25
J55	JUNCTION	0.01	0.24	98.87	0	12:00	0.24
J56	JUNCTION	0.12	0.63	98.23	0	12:00	0.62
J57	JUNCTION	0.01	0.12	103.50	0	12:07	0.12
J58	JUNCTION	0.00	0.03	99.61	0	12:00	0.03
J59	JUNCTION	0.00	0.05	99.28	0	12:00	0.05
J60	JUNCTION	0.00	0.07	98.67	0	12:00	0.07
J61	JUNCTION	0.01	0.17	98.48	0	12:00	0.17
J62	JUNCTION	0.00	0.04	102.04	0	12:00	0.04
J63	JUNCTION	0.00	0.08	99.68	0	12:00	0.08
J64	JUNCTION	0.03	0.15	97.65	0	12:17	0.15
J65	JUNCTION	0.01	0.10	99.25	0	12:00	0.10
J66	JUNCTION	0.01	0.11	98.51	0	12:00	0.11
J67	JUNCTION	0.01	0.18	96.18	0	12:00	0.18
J68	JUNCTION	0.03	0.37	95.37	0	12:02	0.37
J69	JUNCTION	0.02	0.51	95.35	0	12:10	0.51
J7	JUNCTION	0.00	0.04	110.84	0	12:02	0.04
J70	JUNCTION	0.01	0.15	99.79	0	12:00	0.15
J71	JUNCTION	0.01	0.29	98.29	0	12:00	0.29

J72	JUNCTION	0.13	0.43	97.99	0	17:04	0.43
J73	JUNCTION	0.01	0.08	99.87	0	12:06	0.08
J74	JUNCTION	0.03	0.39	97.77	0	12:12	0.39
J75	JUNCTION	0.09	0.62	98.51	0	12:11	0.62
J76	JUNCTION	0.05	1.07	95.13	0	12:52	1.07
J77	JUNCTION	0.05	0.50	98.15	0	12:11	0.50
J78	JUNCTION	0.05	0.56	98.31	0	12:11	0.56
J79	JUNCTION	0.04	0.50	100.48	0	12:06	0.50
J8	JUNCTION	0.02	0.24	90.75	0	12:04	0.24
J80	JUNCTION	0.02	0.14	98.22	0	12:18	0.14
J81	JUNCTION	0.09	0.26	95.37	0	12:01	0.26
J82	JUNCTION	0.05	0.51	98.00	0	12:12	0.51
J83	JUNCTION	0.02	0.31	100.51	0	12:06	0.31
J84	JUNCTION	0.01	0.13	100.82	0	12:07	0.13
J85	JUNCTION	0.05	0.55	100.47	0	12:06	0.55
J86	JUNCTION	0.06	0.62	99.32	0	12:09	0.62
J87	JUNCTION	0.01	0.13	100.11	0	12:00	0.13
J88	JUNCTION	0.02	0.27	101.85	0	12:01	0.26
J89	JUNCTION	0.10	0.58	98.23	0	12:00	0.58
J9	JUNCTION	0.11	0.36	97.99	0	17:03	0.36
J90	JUNCTION	0.01	0.14	102.44	0	12:00	0.14
J91	JUNCTION	0.01	0.10	96.70	0	12:00	0.10
J92	JUNCTION	0.05	0.39	98.67	0	12:18	0.39
J93	JUNCTION	0.01	0.12	99.32	0	12:00	0.12
J94	JUNCTION	0.05	0.45	98.27	0	12:00	0.45
J95	JUNCTION	0.01	0.13	102.64	0	12:06	0.13
16133	OUTFALL	0.09	0.62	93.92	0	12:52	0.62
J4	OUTFALL	0.11	0.41	94.75	0	12:09	0.41
J6	OUTFALL	0.03	0.39	91.89	0	12:02	0.39
OF2	OUTFALL	0.02	0.24	89.86	0	12:04	0.23
SU1	STORAGE	1.92	2.49	97.99	0	17:04	2.49

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Node Inflow Summary
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Node	Type	Maximum Lateral Inflow CMS	Maximum Total Inflow CMS	Time of Max Occurrence days hr:min		Lateral Inflow Volume 10^6 ltr	Total Inflow Volume 10^6 ltr	Flow Balance Error Percent
16017	JUNCTION	0.164	0.164	0	12:00	0.575	0.707	-0.026
16026	JUNCTION	0.000	0.161	0	12:17	0	0.709	0.004
16027	JUNCTION	0.000	0.346	0	12:14	0	0.96	-0.052
16047	JUNCTION	0.000	0.405	0	12:17	0	1.32	0.809
16052	JUNCTION	0.000	0.106	0	12:24	0		

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  16058                JUNCTION     0.000    0.011     0  12:01           0
0.00346       6.289
  16064                JUNCTION     0.000    0.024     0  12:00           0
0.0107     121.052
  16070                JUNCTION     0.000    0.025     0  12:00           0
0.00932      -0.242
  16076                JUNCTION     0.000    0.027     0  12:00           0
0.0144       0.000
  16082                JUNCTION     0.000    0.030     0  12:00           0
0.0267       1.828
  16088                JUNCTION     0.000    0.033     0  12:00           0
0.047      13.351
  16094                JUNCTION     0.471    0.471     0  12:00        1.34
1.37      -0.001
  16100                JUNCTION     0.000    0.436     0  12:00           0
1.33      -0.000
  16106                JUNCTION     0.000    0.435     0  12:00           0
1.33       0.001
  16112                JUNCTION     0.000    0.435     0  12:00           0
1.33      -0.001
  16115                JUNCTION     0.000    0.435     0  12:00           0
1.33      -0.024
  16127                JUNCTION     0.000    0.729     0  12:28           0
1.57       3.025
  16130                JUNCTION     0.000    1.354     0  12:26           0
15      -0.349
  16147                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16156                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16159                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16167                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16172                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16178                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16184                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16190                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16196                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16202                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16209                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16215                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16221                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16228                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16234                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16239                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16246                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
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  16251                JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16258                JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16264                JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16270                JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16274                JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16306                JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16307                JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16314                JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16320                JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16326                JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16332                JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16338                JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16341                JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16343                JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16346                JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16347                JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16362                JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16365                JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16373                JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16380                JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16386                JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16393                JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  25006                JUNCTION     0.000    0.254      0  12:12            0
1.71        0.001
  25010                JUNCTION     0.000    0.263      0  12:01            0
1.71       -0.000
  25014                JUNCTION     0.076    0.296      0  12:00        0.291
1.71        0.027
  25025                JUNCTION     0.087    0.397      0  12:01        0.225
1.48        0.006
  25028                JUNCTION     0.000    0.121      0  12:01            0
0.14        0.005
  26414                JUNCTION     0.000    0.087      0  12:18            0
0.102        0.114
  26419                JUNCTION     0.000    0.033      0  12:36            0
0.0201       0.088
  26432                JUNCTION     0.000    0.012      0  11:59            0
0.0114       0.032
```

26456		JUNCTION	0.000	0.393	0	12:04	0
9	0.025						
26468		JUNCTION	0.000	0.419	0	12:02	0
8.99	0.027						
26481		JUNCTION	0.031	0.478	0	12:00	0.0838
8.99	0.015						
26502		JUNCTION	0.000	0.279	0	12:01	0
1.71	0.012						
26541		JUNCTION	0.000	0.090	0	12:01	0
0.0788	0.003						
26548		JUNCTION	0.000	0.059	0	12:01	0
0.0365	0.036						
26560		JUNCTION	0.000	0.037	0	12:03	0
0.0129	-0.087						
26567		JUNCTION	0.000	0.025	0	12:03	0
0.00394	0.556						
26578		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
26599		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
26602		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
J1		JUNCTION	0.221	2.068	0	12:13	0.688
13.9	0.334						
J10		JUNCTION	0.146	0.956	0	12:03	0.376
7.36	0.008						
J101		JUNCTION	0.127	1.211	0	12:10	0.567
7.23	0.011						
J11		JUNCTION	0.018	1.738	0	12:05	0.055
11.4	-0.001						
J117		JUNCTION	0.159	0.900	0	12:01	0.543
4.81	-0.262						
J12		JUNCTION	0.346	0.600	0	12:01	2.14
4.49	0.010						
J13		JUNCTION	0.235	0.330	0	12:00	1.27
2.36	0.010						
J14		JUNCTION	0.093	2.014	0	12:03	0.275
13.2	0.001						
J15		JUNCTION	0.389	0.891	0	12:03	2.49
6.98	0.003						
J152		JUNCTION	0.150	0.150	0	12:00	0.536
0.536	-0.019						
J16		JUNCTION	0.138	1.264	0	12:07	0.466
9.18	0.000						
J160		JUNCTION	0.473	0.473	0	12:00	3.22
3.22	0.002						
J17		JUNCTION	0.184	1.946	0	12:03	0.506
12.9	-0.000						
J18		JUNCTION	0.000	1.827	0	12:12	0
12.1	0.001						
J19		JUNCTION	0.030	1.811	0	12:09	0.146
11.9	0.005						
J2		JUNCTION	0.057	1.803	0	12:07	0.191
11.8	0.012						
J20		JUNCTION	0.047	1.769	0	12:06	0.193
11.6	-0.007						
J21		JUNCTION	0.000	1.177	0	12:07	0
8.71	0.001						
J22		JUNCTION	0.000	1.826	0	12:13	0
12.1	0.003						

J23	JUNCTION	0.000	0.037	0	17:05	0	6.59	0.008
J24	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J25	JUNCTION	0.000	0.037	0	17:05	0	6.59	0.007
J253	JUNCTION	0.176	0.766	0	12:00	0.512	4.27	-0.001
J258	JUNCTION	0.182	1.984	0	12:12	0.546	13.2	-0.033
J259	JUNCTION	0.071	1.250	0	12:02	0.228	6.67	0.219
J26	JUNCTION	0.007	0.154	0	12:00	0.0328	0.498	0.008
J27	JUNCTION	0.000	0.037	0	17:04	0	6.59	0.002
J274	JUNCTION	0.147	2.109	0	12:03	0.377	13.6	-0.000
J276	JUNCTION	0.083	1.212	0	12:17	0.204	9.3	0.006
J28	JUNCTION	0.081	0.588	0	12:01	0.311	2.17	-0.032
J29	JUNCTION	0.135	0.516	0	12:00	0.569	1.86	-0.002
J3	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J30	JUNCTION	0.146	0.390	0	12:00	0.421	1.29	-0.009
J31	JUNCTION	0.070	0.262	0	12:00	0.177	0.87	-0.016
J32	JUNCTION	0.147	0.204	0	12:00	0.515	0.693	0.018
J33	JUNCTION	0.344	1.419	0	12:03	1.18	10.5	-0.003
J34	JUNCTION	0.063	0.063	0	12:00	0.178	0.178	-0.012
J35	JUNCTION	0.154	1.565	0	12:03	0.608	11.1	0.022
J36	JUNCTION	0.008	0.230	0	12:00	0.0217	1.42	0.001
J37	JUNCTION	0.015	0.043	0	12:00	0.0335	6.62	0.020
J38	JUNCTION	0.000	0.037	0	17:04	0	6.59	0.003
J39	JUNCTION	0.054	1.540	0	12:00	0.158	4.62	-0.054
J40	JUNCTION	0.033	0.074	0	12:00	0.0766	6.7	0.026
J41	JUNCTION	0.032	0.102	0	12:00	0.0712	6.77	0.016
J42	JUNCTION	0.055	0.154	0	12:00	0.131	6.9	0.017
J43	JUNCTION	0.312	1.823	0	12:03	1.36	12.4	0.001
J44	JUNCTION	0.044	0.192	0	12:00	0.0977	6.99	0.014
J45	JUNCTION	0.086	0.269	0	12:00	0.209	7.2	0.009
J46	JUNCTION	0.009	0.045	0	12:00	0.024	0.147	-0.008

J47		JUNCTION	0.207	1.946	0	12:00	0.607	
5.86	0.045							
J48		JUNCTION	0.212	0.212	0	12:00	0.624	
0.624	-0.043							
J49		JUNCTION	0.107	0.107	0	12:00	0.304	
0.304	-0.010							
J5		JUNCTION	0.000	0.430	0	12:01	0	
1.33	0.027							
J50		JUNCTION	0.042	0.149	0	12:00	0.119	
0.424	0.005							
J51		JUNCTION	0.254	0.872	0	12:00	0.745	
2.54	-0.024							
J52		JUNCTION	0.166	0.166	0	12:00	0.472	
0.472	-0.011							
J53		JUNCTION	0.161	0.161	0	12:00	0.566	
0.566	-0.139							
J54		JUNCTION	0.036	0.202	0	12:00	0.102	
0.574	0.002							
J55		JUNCTION	0.270	0.472	0	12:00	0.793	
1.37	-0.002							
J56		JUNCTION	0.209	0.624	0	12:00	0.614	
1.93	-0.005							
J57		JUNCTION	0.000	0.938	0	12:06	0	
7.36	0.004							
J58		JUNCTION	0.008	0.008	0	12:00	0.0233	
0.0233	-0.016							
J59		JUNCTION	0.011	0.019	0	12:00	0.0343	
0.0577	-0.001							
J60		JUNCTION	0.011	0.030	0	12:00	0.0382	
0.0958	-0.004							
J61		JUNCTION	0.008	0.037	0	12:00	0.027	
0.123	0.012							
J62		JUNCTION	0.037	0.037	0	12:00	0.0966	
0.0966	0.001							
J63		JUNCTION	0.013	0.049	0	12:00	0.0356	
0.132	-0.010							
J64		JUNCTION	0.281	1.194	0	12:17	1.11	
9.09	-0.002							
J65		JUNCTION	0.045	0.091	0	12:00	0.136	
0.268	-0.005							
J66		JUNCTION	0.039	0.128	0	12:00	0.105	
0.373	-0.002							
J67		JUNCTION	0.089	0.212	0	12:00	0.248	
0.622	-0.037							
J68		JUNCTION	0.132	0.339	0	12:00	0.373	
0.995	-0.145							
J69		JUNCTION	0.068	0.388	0	12:00	0.175	
1.17	0.132							
J7		JUNCTION	0.110	0.110	0	12:00	1.08	
1.08	0.009							
J70		JUNCTION	0.000	0.166	0	12:00	0	
0.472	0.007							
J71		JUNCTION	0.103	0.148	0	12:00	0.318	
0.465	0.006							
J72		JUNCTION	0.000	0.212	0	12:00	0	
0.624	-0.023							
J73		JUNCTION	0.331	0.331	0	12:05	1.62	
1.62	-0.011							
J74		JUNCTION	0.023	1.828	0	12:12	0.0886	
12.1	0.000							

J75	JUNCTION	0.000	1.804	0	12:10	0
11.9	0.022					
J76	JUNCTION	0.000	0.253	0	12:17	0
0.777	0.005					
J77	JUNCTION	0.000	1.817	0	12:11	0
12	0.001					
J78	JUNCTION	0.029	1.818	0	12:11	0.112
12	0.001					
J79	JUNCTION	0.000	1.267	0	12:07	0
9.18	0.000					
J8	JUNCTION	0.135	2.214	0	12:04	0.502
14.1	0.002					
J80	JUNCTION	0.077	1.065	0	12:18	0.348
7.99	0.004					
J81	JUNCTION	0.000	0.190	0	12:00	0
6.99	0.007					
J82	JUNCTION	0.000	1.816	0	12:11	0
12	0.001					
J83	JUNCTION	0.000	1.177	0	12:07	0
8.71	0.001					
J84	JUNCTION	0.077	1.179	0	12:06	0.298
8.71	0.001					
J85	JUNCTION	0.000	1.736	0	12:05	0
11.4	0.008					
J86	JUNCTION	0.000	1.792	0	12:08	0
11.8	-0.002					
J87	JUNCTION	0.000	0.107	0	12:00	0
0.304	0.004					
J88	JUNCTION	0.000	0.260	0	12:00	0
0.87	0.014					
J89	JUNCTION	0.000	0.423	0	12:00	0
1.31	0.033					
J9	JUNCTION	0.000	0.212	0	12:00	0
0.624	0.026					
J90	JUNCTION	0.000	0.063	0	12:00	0
0.178	-0.029					
J91	JUNCTION	0.000	0.127	0	12:00	0
0.373	0.004					
J92	JUNCTION	0.079	1.026	0	12:17	0.414
7.64	0.014					
J93	JUNCTION	0.000	0.048	0	12:00	0
0.132	0.005					
J94	JUNCTION	0.278	0.428	0	12:00	0.816
1.31	-0.039					
J95	JUNCTION	0.282	1.128	0	12:06	1.06
8.42	0.002					
16133	OUTFALL	0.000	1.018	0	12:52	0
14.5	0.000					
J4	OUTFALL	0.000	0.387	0	12:09	0
8.98	0.000					
J6	OUTFALL	0.000	0.408	0	12:02	0
1.33	0.000					
OF2	OUTFALL	0.211	2.413	0	12:04	1.05
15.2	0.000					
SU1	STORAGE	0.355	2.299	0	12:00	1.04
10.2	0.015					

****
Node Surcharge Summary

****

No nodes were surcharged.

****
Node Flooding Summary
****

No nodes were flooded.

****
Storage Volume Summary
****

Storage Unit	Average Volume 1000 m³	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 m³	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CMS
SU1	5.712	52.1	0.0	0.0	8.214	75.0	0 17:04	0.037

****
Outfall Loading Summary
****

Outfall Node	Flow Freq Pcnt	Avg Flow CMS	Max Flow CMS	Total Volume 10^6 ltr
16133	98.89	0.089	1.018	14.461
J4	97.97	0.042	0.387	8.984
J6	49.09	0.021	0.408	1.333
OF2	57.09	0.194	2.413	15.154
System	75.76	0.346	3.612	39.933

****
Link Flow Summary
****

Link	Type	Maximum |Flow| CMS	Time of Max Occurrence days hr:min	Maximum |Veloc| m/sec	Max/ Full Flow	Max/ Full Depth
C1	CONDUIT	0.000	0 00:00	0.00	0.00	0.00

C10	CONDUIT	0.142	0	12:01	0.44	0.08	0.23
C100	CHANNEL	2.017	0	12:04	3.29	0.05	0.28
C101	CHANNEL	2.109	0	12:04	3.46	0.03	0.24
C102	CONDUIT	0.405	0	12:17	0.17	0.01	0.80
C103	CHANNEL	2.218	0	12:04	2.26	0.43	0.65
C104	CONDUIT	0.729	0	12:28	0.18	0.00	0.84
C105	CONDUIT	1.354	0	12:26	0.22	0.03	0.81
C106	CONDUIT	0.435	0	12:00	0.79	0.05	0.18
C107	CONDUIT	0.435	0	12:00	0.90	0.04	0.21
C108	CONDUIT	0.435	0	12:00	0.98	0.06	0.20
C109	CONDUIT	0.071	0	12:00	0.32	0.00	0.08
C11	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C110	CONDUIT	0.436	0	12:00	0.83	0.07	0.23
C111	CONDUIT	0.033	0	12:00	0.06	0.01	0.33
C112	CONDUIT	0.030	0	12:00	0.04	0.01	0.34
C113	CONDUIT	0.027	0	12:00	0.05	0.01	0.22
C114	CONDUIT	0.025	0	12:00	0.10	0.01	0.11
C115	CONDUIT	0.024	0	12:00	0.21	0.00	0.13
C116	CONDUIT	0.011	0	12:01	0.05	0.00	0.14
C117	CONDUIT	0.100	0	12:00	0.42	0.00	0.08
C118	CONDUIT	0.106	0	12:24	0.02	0.00	0.83
C119	CONDUIT	0.150	0	12:00	0.56	0.03	0.22
C12	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C120_1	CONDUIT	0.190	0	12:00	0.68	0.05	0.25
C120_2	CONDUIT	0.189	0	12:01	0.57	0.04	0.31
C121	CONDUIT	0.254	0	11:59	0.52	0.07	0.56
C122_1	CONDUIT	0.107	0	12:00	0.71	0.01	0.12
C122_2	CONDUIT	0.107	0	12:00	0.80	0.02	0.11
C123	CONDUIT	0.148	0	12:00	0.17	0.01	0.28
C124_1	CONDUIT	0.166	0	12:00	0.69	0.10	0.30
C124_2	CONDUIT	0.166	0	12:00	0.59	0.02	0.21
C125	CONDUIT	0.202	0	12:00	1.74	0.18	0.33
C126	CONDUIT	0.471	0	12:00	0.45	0.02	0.30
C127	CONDUIT	0.870	0	12:00	1.88	0.56	0.68
C128	CONDUIT	1.533	0	12:00	1.03	0.25	0.52
C129	CONDUIT	0.030	0	12:00	0.20	0.02	0.24
C129_1	CONDUIT	0.212	0	12:00	0.55	0.05	0.32
C129_3	CONDUIT	0.212	0	12:00	1.84	0.77	0.66
C129_4	CONDUIT	0.213	0	12:00	0.30	0.03	0.63
C13	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C130	CONDUIT	0.036	0	12:00	0.53	0.00	0.04
C130_1	CONDUIT	0.045	0	12:00	0.22	0.03	0.38
C130_2	CONDUIT	0.147	0	12:00	0.35	0.20	0.69
C130_4	CONDUIT	0.157	0	12:00	0.29	0.17	0.74
C130_5	CONDUIT	0.618	0	12:00	0.43	0.41	0.76
C130_6	CONDUIT	0.422	0	12:00	0.17	0.12	0.71
C130_7	CONDUIT	0.423	0	12:00	0.41	0.32	0.78
C131	CONDUIT	1.948	0	12:00	1.60	0.14	0.79
C132_1	CONDUIT	0.048	0	12:00	0.41	0.00	0.05
C132_2	CONDUIT	0.047	0	12:00	0.35	0.01	0.10
C133	CONDUIT	0.090	0	12:00	0.69	0.01	0.11
C134_1	CONDUIT	0.127	0	12:00	0.97	0.02	0.13
C134_2	CONDUIT	0.127	0	12:00	0.70	0.02	0.17
C135	CONDUIT	0.210	0	12:00	0.51	0.03	0.28
C136	CONDUIT	0.322	0	12:00	0.55	0.12	0.44
C137	CONDUIT	0.324	0	12:01	0.20	0.04	0.61
C14	CONDUIT	0.000	0	00:00	0.00	0.00	0.00

C15	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C16	CONDUIT	0.408	0	12:02	1.46	0.61	0.60
C17	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C19	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C2	CONDUIT	1.018	0	12:52	2.71	2.19	0.94
C20	CONDUIT	0.154	0	12:01	0.40	0.42	0.56
C21	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C22	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C23	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C24	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C25_3	CHANNEL	0.324	0	12:05	0.68	0.24	0.75
C26_5	CONDUIT	0.063	0	12:00	0.37	0.03	0.17
C26_6	CONDUIT	0.059	0	12:00	0.24	0.03	0.23
C28	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C29	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C3	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C30	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C30_3	CONDUIT	0.000	0	00:00	0.00	0.00	0.26
C31	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C32	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C33	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C34	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C35	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C36	CONDUIT	0.196	0	12:00	0.53	0.05	0.25
C36_7	CONDUIT	0.037	0	17:06	0.30	0.02	0.18
C36_8	CONDUIT	0.037	0	17:05	0.29	0.09	0.32
C36_9	CONDUIT	0.037	0	17:05	0.29	0.07	0.27
C37	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C38	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C39	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C4	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C40	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C41	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C42	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C43	CONDUIT	0.387	0	12:09	1.53	1.57	0.84
C44	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C45	CONDUIT	0.464	0	12:01	0.99	0.17	0.33
C46_1	CONDUIT	0.260	0	12:00	0.64	0.07	0.27
C46_2	CONDUIT	0.257	0	12:01	0.58	0.07	0.28
C47	CONDUIT	0.388	0	12:01	0.65	0.07	0.31
C48	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C49	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C5	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C50	CONDUIT	0.512	0	12:01	1.06	0.07	0.24
C51	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C52	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C53	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C54	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C55	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C56	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C57	CHANNEL	0.757	0	12:01	1.68	0.23	0.54
C58	CONDUIT	0.000	0	00:00	0.00	0.00	0.08
C59	CONDUIT	0.025	0	12:03	0.14	0.02	0.17
C6	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C60	CONDUIT	0.584	0	12:01	0.46	0.05	0.34
C61	CONDUIT	0.037	0	12:03	0.06	0.01	0.35
C62	CONDUIT	0.037	0	12:00	1.07	0.26	0.27

C63	CONDUIT	0.059	0	12:01	0.11	0.01	0.54
C64	CONDUIT	0.090	0	12:01	0.07	0.01	0.71
C65	CONDUIT	0.121	0	12:01	0.06	0.02	0.72
C66	CONDUIT	0.223	0	12:01	0.83	1.00	1.00
C67	CONDUIT	0.042	0	12:00	0.28	0.01	0.12
C68	CONDUIT	0.037	0	17:04	0.52	0.20	1.00
C68_2	CONDUIT	0.222	0	12:01	0.12	0.04	0.72
C69	CONDUIT	0.279	0	12:01	0.14	0.06	0.71
C7	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C70	CHANNEL	0.884	0	12:02	0.74	0.00	0.31
C71	CONDUIT	0.263	0	12:01	0.14	0.06	0.71
C72	CONDUIT	0.008	0	12:00	0.22	0.00	0.04
C73	CONDUIT	0.254	0	12:12	0.12	0.08	0.71
C74	CONDUIT	0.257	0	12:14	0.09	0.05	0.71
C75	CONDUIT	1.130	0	12:10	1.17	0.21	0.51
C76	CONDUIT	0.419	0	12:02	0.17	0.05	0.74
C77	CONDUIT	0.393	0	12:04	0.13	0.13	0.78
C78	CONDUIT	0.012	0	11:59	0.01	0.00	0.96
C8	CONDUIT	0.430	0	12:01	0.40	0.04	0.34
C80	CONDUIT	0.019	0	12:00	0.30	0.01	0.08
C81	CHANNEL	0.978	0	12:17	1.82	1.12	1.00
C83	CONDUIT	0.033	0	12:36	0.06	0.00	0.41
C84	CONDUIT	0.087	0	12:18	0.17	0.01	0.53
C86	CONDUIT	1.024	0	12:18	1.51	0.19	0.27
C87	CHANNEL	1.065	0	12:18	1.76	0.04	0.25
C89	CHANNEL	1.193	0	12:17	2.27	0.03	0.25
C9	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C90	CONDUIT	0.157	0	12:00	0.55	0.01	0.62
C91	CHANNEL	1.211	0	12:17	1.60	0.05	0.31
C92_1	CONDUIT	0.161	0	12:17	0.79	0.00	0.75
C92_2	CONDUIT	0.253	0	12:17	0.49	0.00	0.78
C93	CHANNEL	1.442	0	12:04	1.18	0.15	0.53
C95	CHANNEL	1.569	0	12:04	1.55	0.68	0.54
C96	CHANNEL	1.819	0	12:03	2.58	0.02	0.26
C97	CONDUIT	0.272	0	12:17	0.31	0.01	0.77
C99	CHANNEL	1.948	0	12:03	3.77	0.03	0.26
DD01	CONDUIT	1.177	0	12:07	0.59	0.24	0.61
DD02	CONDUIT	1.177	0	12:07	0.78	0.36	0.64
DD03	CONDUIT	1.180	0	12:07	0.55	0.25	0.71
DD04	CONDUIT	1.267	0	12:07	0.45	0.28	0.71
DD05	CONDUIT	1.271	0	12:07	0.41	0.15	0.59
DD06	CONDUIT	1.727	0	12:06	0.71	0.21	0.54
DD07	CONDUIT	1.736	0	12:06	0.84	0.21	0.47
DD08	CONDUIT	1.769	0	12:07	0.89	0.24	0.48
DD09	CONDUIT	1.792	0	12:08	0.92	0.21	0.47
DD10	CONDUIT	1.790	0	12:09	0.93	0.20	0.44
DD11	CONDUIT	1.804	0	12:10	0.94	0.16	0.42
DD12	CONDUIT	1.802	0	12:11	1.00	0.23	0.46
DD13	CONDUIT	1.817	0	12:11	0.84	0.30	0.47
DD14	CONDUIT	1.816	0	12:11	0.89	0.28	0.51
DD15	CONDUIT	1.815	0	12:12	1.03	0.44	0.54
DD16	CONDUIT	1.827	0	12:12	0.77	0.41	0.64
DD17	CONDUIT	1.826	0	12:13	0.84	0.78	0.80
DD18	CONDUIT	1.825	0	12:13	1.18	0.56	0.56
SMC01	CONDUIT	0.102	0	12:02	0.18	0.03	0.19
SMC02	CONDUIT	0.291	0	12:04	0.29	0.09	0.32
SMC03	CONDUIT	0.564	0	12:05	0.47	0.20	0.38

SMC04	CONDUIT	0.878	0	12:04	0.57	0.18	0.48
SMC05	CONDUIT	0.938	0	12:06	0.58	0.32	0.50
SMC06	CONDUIT	0.936	0	12:07	0.70	0.21	0.42
SMC07	CONDUIT	1.127	0	12:06	0.80	0.25	0.44
SMC14	CHANNEL	1.977	0	12:13	1.17	0.13	0.70
C85	ORIFICE	0.037	0	17:04			1.00

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Flow Classification Summary
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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
C1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C10	1.00	0.00	0.57	0.00	0.43	0.00	0.00	0.00	0.98	0.00
C100	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.01	0.00
C101	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.75	0.00
C102	1.00	0.60	0.00	0.00	0.40	0.00	0.00	0.00	0.07	0.00
C103	1.00	0.00	0.00	0.00	0.03	0.97	0.00	0.00	0.18	0.00
C104	1.00	0.00	0.62	0.00	0.38	0.00	0.00	0.00	0.82	0.00
C105	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.76	0.00
C106	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
C107	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
C108	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
C109	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.03	0.00
C11	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C110	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98	0.00
C111	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.30	0.00
C112	1.00	0.00	0.07	0.00	0.93	0.00	0.00	0.00	0.00	0.00
C113	1.00	0.07	0.77	0.00	0.16	0.00	0.00	0.00	0.84	0.00
C114	1.00	0.84	0.05	0.00	0.11	0.00	0.00	0.00	0.59	0.00
C115	1.00	0.14	0.03	0.00	0.83	0.00	0.00	0.00	0.80	0.00

C116	1.00	0.14	0.00	0.00	0.86	0.00	0.00	0.00	0.00
0.00									
C117	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.03
0.00									
C118	1.00	0.00	0.92	0.00	0.08	0.00	0.00	0.00	0.79
0.00									
C119	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.04
0.00									
C12	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C120_1	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C120_2	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.99
0.00									
C121	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.10
0.00									
C122_1	1.00	0.09	0.33	0.00	0.58	0.00	0.00	0.00	0.60
0.00									
C122_2	1.00	0.07	0.03	0.00	0.90	0.00	0.00	0.00	0.03
0.00									
C123	1.00	0.00	0.26	0.00	0.74	0.00	0.00	0.00	1.00
0.00									
C124_1	1.00	0.09	0.27	0.00	0.64	0.00	0.00	0.00	0.00
0.00									
C124_2	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00	1.00
0.00									
C125	1.00	0.00	0.00	0.00	0.70	0.30	0.00	0.00	0.42
0.00									
C126	1.00	0.00	0.06	0.00	0.94	0.00	0.00	0.00	1.00
0.00									
C127	1.00	0.00	0.00	0.00	0.95	0.05	0.00	0.00	0.96
0.00									
C128	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.27
0.00									
C129	1.00	0.00	0.62	0.00	0.38	0.00	0.00	0.00	1.00
0.00									
C129_1	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00	1.00
0.00									
C129_3	1.00	0.00	0.00	0.00	0.86	0.13	0.00	0.00	0.04
0.00									
C129_4	1.00	0.00	0.24	0.00	0.76	0.00	0.00	0.00	0.64
0.00									
C13	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C130	1.00	0.53	0.16	0.00	0.31	0.00	0.00	0.00	0.52
0.00									
C130_1	1.00	0.57	0.02	0.00	0.41	0.00	0.00	0.00	0.43
0.00									
C130_2	1.00	0.55	0.02	0.00	0.43	0.00	0.00	0.00	0.44
0.00									
C130_4	1.00	0.00	0.55	0.00	0.45	0.00	0.00	0.00	0.85
0.00									
C130_5	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.65
0.00									
C130_6	1.00	0.00	0.10	0.00	0.90	0.00	0.00	0.00	0.66
0.00									
C130_7	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.12
0.00									
C131	1.00	0.00	0.00	0.00	0.97	0.00	0.00	0.03	0.41
0.00									

C132_1	1.00	0.18	0.35	0.00	0.47	0.00	0.00	0.00	0.51
0.00									
C132_2	1.00	0.18	0.00	0.00	0.82	0.00	0.00	0.00	0.01
0.00									
C133	1.00	0.21	0.32	0.00	0.47	0.00	0.00	0.00	0.34
0.00									
C134_1	1.00	0.15	0.06	0.00	0.78	0.00	0.00	0.00	0.33
0.00									
C134_2	1.00	0.04	0.14	0.00	0.82	0.00	0.00	0.00	0.97
0.00									
C135	1.00	0.00	0.04	0.00	0.96	0.00	0.00	0.00	1.00
0.00									
C136	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C137	1.00	0.00	0.20	0.00	0.80	0.00	0.00	0.00	0.98
0.00									
C14	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C15	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C16	1.00	0.00	0.00	0.00	0.91	0.08	0.00	0.00	0.00
0.00									
C17	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C19	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C2	1.00	0.00	0.00	0.00	0.88	0.12	0.00	0.00	0.00
0.00									
C20	1.00	0.00	0.50	0.00	0.50	0.00	0.00	0.00	0.96
0.00									
C21	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C22	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C23	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C24	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C25_3	1.00	0.00	0.65	0.00	0.35	0.00	0.00	0.00	0.99
0.00									
C26_5	1.00	0.41	0.18	0.00	0.41	0.00	0.00	0.00	0.43
0.00									
C26_6	1.00	0.35	0.06	0.00	0.58	0.00	0.00	0.00	0.57
0.00									
C28	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C29	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C30	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C30_3	1.00	0.02	0.98	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C31	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C32	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C33	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

C34	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C35	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C36	1.00	0.31	0.12	0.00	0.56	0.00	0.00	0.00	0.57
0.00									
C36_7	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00	0.94
0.00									
C36_8	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.03
0.00									
C36_9	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	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									
C38	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C39	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C40	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C41	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C42	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C43	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00
0.00									
C44	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C45	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.76
0.00									
C46_1	1.00	0.17	0.15	0.00	0.68	0.00	0.00	0.00	0.53
0.00									
C46_2	1.00	0.16	0.05	0.00	0.79	0.00	0.00	0.00	0.67
0.00									
C47	1.00	0.09	0.14	0.00	0.77	0.00	0.00	0.00	0.83
0.00									
C48	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C49	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C5	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C50	1.00	0.08	0.01	0.00	0.91	0.00	0.00	0.00	0.00
0.00									
C51	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C52	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C53	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C54	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C55	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C56	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C57	1.00	0.00	0.00	0.00	0.96	0.04	0.00	0.00	0.99
0.00									

C58	1.00	0.87	0.13	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C59	1.00	0.87	0.00	0.00	0.13	0.00	0.00	0.00	0.00
0.00									
C6	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C60	1.00	0.00	0.26	0.00	0.74	0.00	0.00	0.00	0.98
0.00									
C61	1.00	0.87	0.03	0.00	0.09	0.00	0.00	0.00	0.10
0.00									
C62	1.00	0.00	0.00	0.00	0.72	0.28	0.00	0.00	0.00
0.00									
C63	1.00	0.87	0.00	0.00	0.13	0.00	0.00	0.00	0.74
0.00									
C64	1.00	0.79	0.09	0.00	0.12	0.00	0.00	0.00	0.84
0.00									
C65	1.00	0.00	0.79	0.00	0.21	0.00	0.00	0.00	0.71
0.00									
C66	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.71
0.00									
C67	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99
0.00									
C68	1.00	0.00	0.01	0.00	0.98	0.00	0.01	0.00	0.00
0.00									
C68_2	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.03
0.00									
C69	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00	0.00
0.00									
C7	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C70	1.00	0.00	0.00	0.00	0.30	0.70	0.00	0.00	0.27
0.00									
C71	1.00	0.02	0.01	0.00	0.97	0.00	0.00	0.00	0.00
0.00									
C72	1.00	0.64	0.05	0.00	0.31	0.00	0.00	0.00	0.35
0.00									
C73	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.15
0.00									
C74	1.00	0.00	0.03	0.00	0.97	0.00	0.00	0.00	0.34
0.00									
C75	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.80
0.00									
C76	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.26
0.00									
C77	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.01
0.00									
C78	1.00	0.01	0.44	0.00	0.55	0.00	0.00	0.00	0.33
0.00									
C8	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99
0.00									
C80	1.00	0.62	0.03	0.00	0.36	0.00	0.00	0.00	0.38
0.00									
C81	1.00	0.00	0.00	0.00	0.19	0.81	0.00	0.00	0.19
0.00									
C83	1.00	0.90	0.06	0.00	0.04	0.00	0.00	0.00	0.84
0.00									
C84	1.00	0.63	0.26	0.00	0.10	0.00	0.00	0.00	0.84
0.00									
C86	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.80
0.00									

C87	1.00	0.00	0.00	0.00	0.35	0.65	0.00	0.00	1.00
0.00									
C89	1.00	0.00	0.00	0.00	0.09	0.91	0.00	0.00	0.04
0.00									
C9	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C90	1.00	0.63	0.00	0.00	0.37	0.00	0.00	0.00	0.00
0.00									
C91	1.00	0.00	0.00	0.00	0.95	0.04	0.00	0.00	1.00
0.00									
C92_1	1.00	0.64	0.01	0.00	0.35	0.00	0.00	0.00	0.09
0.00									
C92_2	1.00	0.60	0.04	0.00	0.36	0.00	0.00	0.00	0.96
0.00									
C93	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.97
0.00									
C95	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.02
0.00									
C96	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.98
0.00									
C97	1.00	0.59	0.00	0.00	0.40	0.00	0.00	0.00	0.73
0.00									
C99	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.00
0.00									
DD01	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
DD02	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.96
0.00									
DD03	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99
0.00									
DD04	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
DD05	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.92
0.00									
DD06	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.94
0.00									
DD07	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.97
0.00									
DD08	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.02
0.00									
DD09	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.96
0.00									
DD10	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00	0.01
0.00									
DD11	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.96
0.00									
DD12	1.00	0.00	0.05	0.00	0.95	0.00	0.00	0.00	0.89
0.00									
DD13	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
DD14	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.94
0.00									
DD15	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.03
0.00									
DD16	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.94
0.00									
DD17	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00
0.00									
DD18	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.76
0.00									

SMC01	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98	0.00
SMC02	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
SMC03	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.03	0.00
SMC04	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98	0.00
SMC05	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
SMC06	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.99	0.00
SMC07	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.01	0.00
SMC14	1.00	0.00	0.00	0.00	0.24	0.76	0.00	0.00	0.32	0.00

****
Conduit Surcharge Summary
****

Conduit	Hours Full: Both Ends	Hours Full: Upstream	Hours Full: Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
C2	0.01	2.77	0.01	2.79	0.01
C25_3	0.01	0.01	3.75	0.01	0.01
C43	0.01	0.77	0.01	0.91	0.01
C66	0.42	0.49	0.42	0.01	0.42
C68	52.53	52.53	83.11	0.01	0.01
C78	0.01	0.01	0.38	0.01	0.01
C81	0.74	0.74	5.92	0.48	0.48
SMC14	0.01	0.01	3.28	0.01	0.01

Analysis begun on: Wed Nov 5 14:52:16 2025
Analysis ended on: Wed Nov 5 14:52:27 2025
Total elapsed time: 00:00:11

Appendix B-4: Post-development 24h storm 2y event

EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)

****
Element Count
****
Number of rain gages 8
Number of subcatchments ... 120
Number of nodes 183
Number of links 178
Number of pollutants 0
Number of land uses 0

****
Raingage Summary
****

Name	Data Source	Data Type	Recording Interval
100y_103.5mm	100y_103.5mm	INTENSITY	15 min.
10y_72mm	10y_72mm	INTENSITY	15 min.
25y_84mm	25y_84mm	INTENSITY	15 min.
2y_48mm	2y_48mm	INTENSITY	15 min.
50y_93.6mm	50y_93.6mm	INTENSITY	15 min.
5y_62.4mm	5y_62.4mm	INTENSITY	15 min.
Chicago_4h	Chicago_4h	INTENSITY	10 min.
SCS_Type_II_124mm	SCS_Type_II_124mm	INTENSITY	15 min.

****
Subcatchment Summary
****

Name	Area	Width	%Imperv	%Slope	Rain Gage	Outlet
S1	0.42	60.64	2.00	3.5020	2y_48mm	J2
S1_1	0.44	130.25	2.00	8.4310	2y_48mm	J45
S1_3	0.73	78.61	2.00	13.4690	2y_48mm	J68
S1_4	0.47	54.00	2.00	13.1040	2y_48mm	J67
S1_5	0.32	62.94	2.00	10.9930	2y_48mm	J69
S1_6	0.25	23.15	2.00	11.0340	2y_48mm	J65
S1_7	0.44	70.98	2.00	12.9290	2y_48mm	25025
S1_8	0.23	25.99	2.00	15.8670	2y_48mm	J66
S10	0.83	166.64	2.00	8.5600	2y_48mm	J274
S109_2	0.12	21.34	2.00	3.7120	2y_48mm	J11

S11	1.12	99.21	2.00	5.6280	2y_48mm J8
S112	0.51	72.89	2.00	7.1560	2y_48mm J253
S113	0.62	92.70	2.00	6.1840	2y_48mm J253
S114	1.03	136.68	2.00	3.8580	2y_48mm J16
S115_1	0.83	105.12	2.00	9.2830	2y_48mm J30
S115_2	0.01	0.90	80.00	9.1880	2y_48mm J30
S12	2.83	227.48	2.00	7.2780	2y_48mm S76_3
S127	1.17	59.44	2.00	9.1760	2y_48mm J29
S129_2	0.67	68.87	2.00	7.2460	2y_48mm J95
S130	0.62	87.35	2.00	10.8400	2y_48mm J160
S132	1.19	88.41	2.00	9.3970	2y_48mm J152
S137	2.16	101.18	2.00	9.3820	2y_48mm J160
S144	1.69	133.94	2.00	5.3900	2y_48mm J95
S15_4	0.19	16.96	2.00	6.7670	2y_48mm J258
S16	0.61	65.66	2.00	11.2500	2y_48mm J14
S18	0.54	86.45	2.00	8.2240	2y_48mm J17
S19	0.58	83.01	2.00	9.3820	2y_48mm J17
S2	0.43	32.38	2.00	5.2930	2y_48mm J20
S2_1	1.39	181.65	2.00	0.5000	2y_48mm J15
S2_10	0.39	84.02	2.00	6.3330	2y_48mm J10
S2_11	0.36	112.88	2.00	5.2800	2y_48mm J10
S2_13	0.02	53.25	80.00	10.8580	2y_48mm S2_16
S2_14	0.03	67.50	80.00	10.8580	2y_48mm S2_16
S2_15	0.21	37.14	2.00	8.6180	2y_48mm J62
S2_16	0.56	59.43	2.00	8.9160	2y_48mm J71
S2_17	0.42	24.84	2.00	9.5260	2y_48mm 25014
S2_18	0.15	113.59	2.00	12.9330	2y_48mm J41
S2_19	0.07	60.26	2.00	5.5370	2y_48mm J37
S2_2	2.58	161.29	2.00	0.5000	2y_48mm J12
S2_20	0.17	94.07	2.00	5.0310	2y_48mm J40

S2_21	0.21	191.77	2.00	15.3440	2y_48mm J44
S2_22	0.07	5.51	2.00	3.1210	2y_48mm J26
S2_23	0.32	56.49	2.00	5.3410	2y_48mm J34
S2_24	0.04	2.68	2.00	3.2280	2y_48mm J60
S2_25	0.04	2.76	2.00	6.8230	2y_48mm J59
S2_26	0.03	2.02	2.00	2.5570	2y_48mm J61
S2_27	0.04	101.75	80.00	10.8580	2y_48mm S2_17
S2_28	0.02	56.75	80.00	10.8580	2y_48mm J36
S2_29	0.03	85.00	80.00	10.8580	2y_48mm S2_17
S2_3	1.71	167.18	2.00	0.5000	2y_48mm J12
S2_30	0.03	74.75	80.00	10.8580	2y_48mm S2_17
S2_31	0.02	43.50	80.00	10.8580	2y_48mm S2_16
S2_32	0.03	62.75	80.00	10.8580	2y_48mm J46
S2_33	2.22	77.70	2.00	0.5000	2y_48mm J7
S2_34	0.02	58.00	80.00	10.8580	2y_48mm J60
S2_35	0.02	61.00	80.00	10.8580	2y_48mm J58
S2_36	0.04	101.75	80.00	10.8580	2y_48mm J68
S2_37	0.02	57.50	80.00	10.8580	2y_48mm 25025
S2_38	0.03	73.75	80.00	10.8580	2y_48mm J69
S2_39	0.03	86.50	80.00	10.8580	2y_48mm J67
S2_4	0.02	1.80	80.00	10.8580	2y_48mm J65
S2_40	0.02	46.50	80.00	10.8580	2y_48mm J59
S2_41	0.02	39.25	80.00	10.8580	2y_48mm J61
S2_5	4.03	402.57	2.00	0.5000	2y_48mm S137
S2_6	1.06	131.17	2.00	0.5000	2y_48mm J13
S2_7	1.49	116.11	2.00	0.5000	2y_48mm J13
S2_8	3.63	193.79	2.00	0.5000	2y_48mm J15
S2_9	0.18	28.43	2.00	8.1520	2y_48mm 26481
S20	0.66	73.09	2.00	3.1140	2y_48mm J84
S20_1	0.60	53.34	100.00	4.7900	2y_48mm J56

S20_10	0.59	52.76	100.00	4.7900	2y_48mm J47
S20_11	0.72	64.74	100.00	4.7900	2y_48mm J51
S20_12	0.04	3.32	80.00	4.7900	2y_48mm J63
S20_13	0.79	70.89	100.00	4.7900	2y_48mm J94
S20_2	0.12	11.11	80.00	4.7900	2y_48mm J50
S20_3	1.02	90.71	100.00	4.7900	2y_48mm SU1
S20_6	0.11	9.56	80.00	4.7900	2y_48mm J54
S20_7	0.15	13.75	100.00	4.7900	2y_48mm J39
S20_8	0.77	68.93	100.00	4.7900	2y_48mm J55
S20_9	0.61	54.20	100.00	4.7900	2y_48mm J48
S22	0.69	74.04	2.00	3.4340	2y_48mm J28
S22_1	0.04	29.29	2.00	13.4350	2y_48mm J31
S22_4	0.03	6.99	80.00	4.0500	2y_48mm J30
S22_5	0.05	9.73	80.00	4.0500	2y_48mm J29
S23	2.50	130.11	2.00	6.3060	2y_48mm J43
S25	1.22	88.61	2.00	7.0290	2y_48mm J33
S29	0.54	76.64	2.00	6.0420	2y_48mm J43
S3	1.32	84.06	2.00	4.7850	2y_48mm OF2
S33	1.35	98.82	2.00	6.6690	2y_48mm J35
S34	1.52	145.82	2.00	10.8830	2y_48mm J1
S36	1.40	164.77	2.00	7.1970	2y_48mm J33
S37_2	1.28	119.80	2.00	6.4540	2y_48mm 16017
S4	0.14	22.22	2.00	6.8700	2y_48mm OF2
S44_3	0.66	108.33	2.00	5.0580	2y_48mm J258
S45	0.45	124.15	2.00	7.1480	2y_48mm J276
S48_1	1.26	126.59	2.00	5.5230	2y_48mm J53
S5	2.67	266.72	2.00	11.3200	2y_48mm 16094
S51	1.46	121.71	2.00	4.9010	2y_48mm J64
S54	0.63	155.42	2.00	3.5050	2y_48mm J64
S56_1	0.29	79.18	2.00	10.3720	2y_48mm J42

S6	0.80	79.72	2.00	11.8730	2y_48mm
S3					
S61	0.78	60.77	2.00	3.6030	2y_48mm
J80					
S63_2	0.33	20.72	2.00	4.0010	2y_48mm
J19					
S63_3	0.39	24.30	2.00	4.7660	2y_48mm
S51					
S65	0.93	56.61	2.00	3.5920	2y_48mm
J92					
S69	1.27	82.51	2.00	5.3450	2y_48mm
J101					
S7	0.49	48.42	80.00	4.8080	2y_48mm
J52					
S76_3	0.78	112.40	2.00	5.1360	2y_48mm
J73					
S77	0.50	64.02	2.00	5.3700	2y_48mm
J259					
S8	0.32	29.77	80.00	4.7290	2y_48mm
J49					
S80_3	0.03	4.55	80.00	6.6690	2y_48mm
J34					
S88_2	1.01	77.93	2.00	8.2360	2y_48mm
J32					
S88_3	0.06	5.56	80.00	7.4640	2y_48mm
J32					
S9_1	0.36	49.15	2.00	7.4830	2y_48mm
J258					
S9_2	0.20	16.52	2.00	5.5990	2y_48mm
J74					
S9_3	0.25	20.93	2.00	5.5990	2y_48mm
J78					
S90	0.53	59.02	2.00	4.3430	2y_48mm
J117					
S91_1	0.05	5.23	80.00	5.3300	2y_48mm
J31					
S91_2	0.24	56.73	2.00	10.1680	2y_48mm
J31					
S92	0.67	57.07	2.00	10.2410	2y_48mm
J117					

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Node Summary
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Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
16017	JUNCTION	94.48	1.14	0.0	
16026	JUNCTION	94.35	1.24	0.0	
16027	JUNCTION	93.83	3.17	0.0	
16047	JUNCTION	93.69	1.87	0.0	
16052	JUNCTION	93.73	1.86	0.0	
16058	JUNCTION	93.71	0.80	0.0	
16064	JUNCTION	93.55	1.00	0.0	
16070	JUNCTION	93.72	0.80	0.0	
16076	JUNCTION	93.61	0.80	0.0	
16082	JUNCTION	93.56	0.80	0.0	
16088	JUNCTION	93.42	0.80	0.0	

16094	JUNCTION	93.57	0.80	0.0
16100	JUNCTION	93.42	0.80	0.0
16106	JUNCTION	93.20	0.80	0.0
16112	JUNCTION	92.80	1.08	0.0
16115	JUNCTION	92.67	1.10	0.0
16127	JUNCTION	93.57	1.93	0.0
16130	JUNCTION	93.42	2.08	0.0
16147	JUNCTION	95.44	0.60	0.0
16156	JUNCTION	94.81	0.60	0.0
16159	JUNCTION	94.69	1.00	0.0
16167	JUNCTION	94.53	1.00	0.0
16172	JUNCTION	95.17	0.60	0.0
16178	JUNCTION	95.46	0.60	0.0
16184	JUNCTION	95.47	0.60	0.0
16190	JUNCTION	95.58	0.60	0.0
16196	JUNCTION	95.68	0.60	0.0
16202	JUNCTION	95.72	0.60	0.0
16209	JUNCTION	96.00	0.60	0.0
16215	JUNCTION	96.20	0.60	0.0
16221	JUNCTION	96.34	0.60	0.0
16228	JUNCTION	96.51	0.60	0.0
16234	JUNCTION	96.72	0.60	0.0
16239	JUNCTION	98.39	0.60	0.0
16246	JUNCTION	98.89	0.60	0.0
16251	JUNCTION	99.08	1.25	0.0
16258	JUNCTION	99.21	0.60	0.0
16264	JUNCTION	99.40	0.60	0.0
16270	JUNCTION	99.93	0.60	0.0
16274	JUNCTION	100.26	0.60	0.0
16306	JUNCTION	101.01	0.60	0.0
16307	JUNCTION	100.86	0.60	0.0
16314	JUNCTION	100.25	0.60	0.0
16320	JUNCTION	100.26	0.60	0.0
16326	JUNCTION	100.21	0.60	0.0
16332	JUNCTION	100.05	0.60	0.0
16338	JUNCTION	99.16	0.60	0.0
16341	JUNCTION	98.21	0.60	0.0
16343	JUNCTION	97.87	0.60	0.0
16346	JUNCTION	97.79	0.60	0.0
16347	JUNCTION	97.75	1.00	0.0
16362	JUNCTION	98.19	0.60	0.0
16365	JUNCTION	98.75	0.60	0.0
16373	JUNCTION	99.43	0.60	0.0
16380	JUNCTION	99.56	0.60	0.0
16386	JUNCTION	99.67	0.60	0.0
16393	JUNCTION	99.99	0.60	0.0
25006	JUNCTION	94.58	2.42	0.0
25010	JUNCTION	94.59	0.96	0.0
25014	JUNCTION	94.56	0.99	0.0
25025	JUNCTION	94.64	1.00	0.0
25028	JUNCTION	94.69	0.95	0.0
26414	JUNCTION	94.58	1.42	0.0
26419	JUNCTION	94.76	1.15	0.0
26432	JUNCTION	94.58	0.88	0.0
26456	JUNCTION	94.45	1.06	0.0
26468	JUNCTION	94.46	1.05	0.0
26481	JUNCTION	94.53	1.05	0.0

26502	JUNCTION	94.58	0.98	0.0
26541	JUNCTION	94.89	0.79	0.0
26548	JUNCTION	94.97	0.80	0.0
26560	JUNCTION	95.24	0.70	0.0
26567	JUNCTION	95.26	0.71	0.0
26578	JUNCTION	95.36	0.67	0.0
26599	JUNCTION	95.35	0.60	0.0
26602	JUNCTION	94.90	0.60	0.0
J1	JUNCTION	93.48	2.11	0.0
J10	JUNCTION	103.83	0.30	0.0
J101	JUNCTION	99.06	1.00	0.0
J11	JUNCTION	99.81	1.34	0.0
J117	JUNCTION	100.45	1.00	0.0
J12	JUNCTION	108.21	0.30	0.0
J13	JUNCTION	109.80	0.30	0.0
J14	JUNCTION	92.06	1.50	0.0
J15	JUNCTION	107.62	0.30	0.0
J152	JUNCTION	102.59	1.00	0.0
J16	JUNCTION	100.03	0.68	0.0
J160	JUNCTION	103.54	1.00	0.0
J17	JUNCTION	92.73	1.50	0.0
J18	JUNCTION	97.23	0.64	0.0
J19	JUNCTION	98.30	1.44	0.0
J2	JUNCTION	99.02	1.98	0.0
J20	JUNCTION	99.58	1.46	0.0
J21	JUNCTION	100.38	0.43	0.0
J22	JUNCTION	97.02	0.47	0.0
J23	JUNCTION	96.61	0.99	0.0
J24	JUNCTION	96.89	0.30	0.0
J25	JUNCTION	96.64	0.69	0.0
J253	JUNCTION	102.19	1.00	0.0
J258	JUNCTION	96.88	0.50	0.0
J259	JUNCTION	99.32	1.00	0.0
J26	JUNCTION	97.92	0.56	0.0
J27	JUNCTION	96.67	0.49	0.0
J274	JUNCTION	91.38	1.00	0.0
J276	JUNCTION	96.26	1.00	0.0
J28	JUNCTION	100.50	1.24	0.0
J29	JUNCTION	101.05	1.24	0.0
J3	JUNCTION	97.56	1.00	0.0
J30	JUNCTION	101.35	1.11	0.0
J31	JUNCTION	101.79	1.00	0.0
J32	JUNCTION	102.00	0.99	0.0
J33	JUNCTION	94.89	1.00	0.0
J34	JUNCTION	102.37	1.03	0.0
J35	JUNCTION	94.77	1.00	0.0
J36	JUNCTION	94.59	0.96	0.0
J37	JUNCTION	96.52	1.84	0.0
J38	JUNCTION	96.70	1.90	0.0
J39	JUNCTION	97.52	1.25	0.0
J40	JUNCTION	96.30	2.90	0.0
J41	JUNCTION	96.18	2.87	0.0
J42	JUNCTION	96.00	3.00	0.0
J43	JUNCTION	94.81	1.00	0.0
J44	JUNCTION	95.50	1.18	0.0
J45	JUNCTION	94.83	1.17	0.0
J46	JUNCTION	98.24	0.83	0.0

J47	JUNCTION	97.20	1.26	0.0
J48	JUNCTION	98.28	0.82	0.0
J49	JUNCTION	100.90	1.10	0.0
J5	JUNCTION	91.80	1.00	0.0
J50	JUNCTION	98.83	1.17	0.0
J51	JUNCTION	98.30	1.57	0.0
J52	JUNCTION	100.00	1.00	0.0
J53	JUNCTION	97.11	0.42	0.0
J54	JUNCTION	99.09	1.26	0.0
J55	JUNCTION	98.63	1.37	0.0
J56	JUNCTION	97.60	0.94	0.0
J57	JUNCTION	103.38	0.33	0.0
J58	JUNCTION	99.58	1.21	0.0
J59	JUNCTION	99.23	0.99	0.0
J60	JUNCTION	98.60	0.72	0.0
J61	JUNCTION	98.31	0.78	0.0
J62	JUNCTION	102.00	1.38	0.0
J63	JUNCTION	99.60	3.85	0.0
J64	JUNCTION	97.50	1.00	0.0
J65	JUNCTION	99.15	1.13	0.0
J66	JUNCTION	98.40	1.10	0.0
J67	JUNCTION	96.00	2.00	0.0
J68	JUNCTION	95.00	2.00	0.0
J69	JUNCTION	94.84	2.16	0.0
J7	JUNCTION	110.80	0.30	0.0
J70	JUNCTION	99.64	0.98	0.0
J71	JUNCTION	98.00	0.47	0.0
J72	JUNCTION	97.56	1.40	0.0
J73	JUNCTION	99.79	1.00	0.0
J74	JUNCTION	97.38	0.84	0.0
J75	JUNCTION	97.89	1.54	0.0
J76	JUNCTION	94.06	1.52	0.0
J77	JUNCTION	97.65	1.12	0.0
J78	JUNCTION	97.75	1.23	0.0
J79	JUNCTION	99.97	0.89	0.0
J8	JUNCTION	90.51	1.00	0.0
J80	JUNCTION	98.08	1.00	0.0
J81	JUNCTION	95.11	1.39	0.0
J82	JUNCTION	97.49	0.99	0.0
J83	JUNCTION	100.20	0.55	0.0
J84	JUNCTION	100.69	0.39	0.0
J85	JUNCTION	99.92	2.08	0.0
J86	JUNCTION	98.70	1.36	0.0
J87	JUNCTION	99.98	1.07	0.0
J88	JUNCTION	101.58	1.05	0.0
J89	JUNCTION	97.65	0.85	0.0
J9	JUNCTION	97.63	1.37	0.0
J90	JUNCTION	102.30	1.04	0.0
J91	JUNCTION	96.60	1.62	0.0
J92	JUNCTION	98.28	1.00	0.0
J93	JUNCTION	99.20	1.97	0.0
J94	JUNCTION	97.82	0.66	0.0
J95	JUNCTION	102.50	0.35	0.0
16133	OUTFALL	93.30	0.70	0.0
J4	OUTFALL	94.34	0.60	0.0
J6	OUTFALL	91.50	0.75	0.0
OF2	OUTFALL	89.62	0.36	0.0

SU1 STORAGE 95.50 3.00 0.0

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Link Summary
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Name	From Node	To Node	Type	Length	% Slope	Roughness
C1	16393	16386	CONDUIT	13.2	2.4516	0.0400
C10	J152	J253	CONDUIT	84.4	0.4739	0.0400
C100	J14	J274	CONDUIT	51.1	1.3304	0.0100
C101	J274	J8	CONDUIT	24.2	3.6035	0.0100
C102	16047	16127	CONDUIT	6.5	1.9636	0.0400
C103	J8	OF2	CONDUIT	143.4	0.6208	0.0100
C104	16127	16130	CONDUIT	1.2	12.4462	0.0400
C105	J1	16130	CONDUIT	6.2	0.9237	0.0400
C106	16112	16115	CONDUIT	13.2	0.9700	0.0400
C107	16106	16112	CONDUIT	12.4	3.2413	0.0400
C108	16100	16106	CONDUIT	13.3	1.5977	0.0400
C109	J40	J41	CONDUIT	40.2	0.2960	0.0450
C11	16347	J3	CONDUIT	13.3	1.5054	0.0240
C110	16094	16100	CONDUIT	13.0	1.1950	0.0400
C111	16088	16094	CONDUIT	13.4	-1.1408	0.0400
C112	16082	16088	CONDUIT	13.1	1.0642	0.0400
C113	16076	16082	CONDUIT	13.3	0.4285	0.0400
C114	16070	16076	CONDUIT	13.3	0.8033	0.0400
C115	16064	16070	CONDUIT	12.7	-1.3181	0.0400
C116	16058	16064	CONDUIT	12.5	1.2522	0.0400
C117	J41	J42	CONDUIT	35.1	0.5151	0.0450
C118	16052	16130	CONDUIT	5.0	6.2825	0.0400
C119	J42	J44	CONDUIT	59.0	0.8477	0.0450
C12	16346	16347	CONDUIT	1.1	2.9398	0.0400
C120_1	J44	J81	CONDUIT	38.2	1.0214	0.0450

C120_2	J81	J45	CONDUIT	25.3	1.1035	0.0450
C121	J45	26481	CONDUIT	32.9	0.9008	0.0450
C122_1	J49	J87	CONDUIT	33.1	2.7852	0.0450
C122_2	J87	J50	CONDUIT	46.3	2.4850	0.0450
C123	J50	J51	CONDUIT	17.9	2.9541	0.0450
C124_1	J52	J70	CONDUIT	30.4	1.1781	0.0450
C124_2	J70	J54	CONDUIT	21.7	2.5350	0.0450
C125	J54	J55	CONDUIT	22.2	2.0628	0.0190
C126	J55	J51	CONDUIT	14.2	2.3445	0.0450
C127	J51	J39	CONDUIT	50.2	1.5543	0.0190
C128	J39	J47	CONDUIT	43.9	0.7216	0.0450
C129	J60	J61	CONDUIT	24.7	1.1801	0.0400
C129_1	J48	J9	CONDUIT	30.4	2.1489	0.0450
C129_3	J9	J72	CONDUIT	15.8	0.4239	0.0190
C129_4	J72	J47	CONDUIT	15.8	2.2581	0.0450
C13	16343	16347	CONDUIT	0.9	13.5313	0.0400
C130	J62	J63	CONDUIT	31.7	7.6034	0.0400
C130_1	J46	J71	CONDUIT	8.4	2.8347	0.0450
C130_2	J71	J26	CONDUIT	13.0	0.6634	0.0450
C130_4	J26	J94	CONDUIT	18.8	0.5118	0.0450
C130_5	J56	J39	CONDUIT	34.5	0.2319	0.0450
C130_6	J89	J56	CONDUIT	14.8	0.3371	0.0450
C130_7	J94	J89	CONDUIT	33.2	0.5153	0.0450
C131	J47	SU1	CONDUIT	8.0	5.1568	0.0450
C132_1	J63	J93	CONDUIT	25.2	1.5869	0.0400
C132_2	J93	J65	CONDUIT	12.9	0.3881	0.0400
C133	J65	J66	CONDUIT	33.3	2.2495	0.0400
C134_1	J66	J91	CONDUIT	51.8	3.4745	0.0400
C134_2	J91	J67	CONDUIT	14.4	4.1793	0.0400
C135	J67	J68	CONDUIT	56.6	1.7683	0.0400

C136	J68	J69	CONDUIT	54.0	
0.2984	0.0400				
C137	J69	25025	CONDUIT	34.0	
0.5937	0.0400				
C14	16341	16343	CONDUIT	2.0	
17.1555	0.0400				
C15	16338	16341	CONDUIT	13.9	
6.7922	0.0400				
C16	J5	J6	CONDUIT	24.5	
1.2269	0.0240				
C17	16332	16338	CONDUIT	13.6	
6.6098	0.0400				
C19	16326	16332	CONDUIT	12.9	
1.2326	0.0400				
C2	16130	16133	CONDUIT	14.1	
0.8597	0.0240				
C20	J53	J258	CONDUIT	94.2	
0.2441	0.0400				
C21	16320	16326	CONDUIT	12.6	
0.4289	0.0400				
C22	16314	16320	CONDUIT	13.2	-
0.0759	0.0400				
C23	16307	16314	CONDUIT	13.7	
4.4464	0.0400				
C24	16306	16307	CONDUIT	2.8	
5.2892	0.0400				
C25_3	J73	J259	CONDUIT	57.6	
0.8094	0.0100				
C26_5	J34	J90	CONDUIT	14.7	
0.4756	0.0400				
C26_6	J90	J32	CONDUIT	83.2	
0.3605	0.0400				
C28	16274	16270	CONDUIT	6.5	
5.0524	0.0400				
C29	16270	16264	CONDUIT	12.9	
4.1317	0.0400				
C3	16159	16167	CONDUIT	14.4	
1.0985	0.0240				
C30	J38	J24	CONDUIT	5.0	
27.1483	0.0120				
C30_3	J24	J25	CONDUIT	2.2	
11.1906	0.0450				
C31	16264	16258	CONDUIT	12.8	
1.4657	0.0400				
C32	16258	16251	CONDUIT	13.9	
0.9346	0.0400				
C33	16251	16246	CONDUIT	13.1	
1.4537	0.0400				
C34	16246	16239	CONDUIT	12.6	
3.9516	0.0400				
C35	16239	16234	CONDUIT	13.3	
12.7640	0.0400				
C36	J32	J31	CONDUIT	34.6	
0.6076	0.0400				
C36_7	J23	J37	CONDUIT	23.5	
0.3739	0.0450				
C36_8	J27	J25	CONDUIT	7.3	
0.3403	0.0450				
C36_9	J25	J23	CONDUIT	11.6	
0.3108	0.0450				

C37	16234	16228	CONDUIT	13.0	1.5919	0.0400
C38	16228	16221	CONDUIT	11.2	1.4866	0.0400
C39	16221	16215	CONDUIT	11.2	1.2911	0.0400
C4	16386	16380	CONDUIT	12.4	0.8071	0.0400
C40	16215	16209	CONDUIT	13.2	1.5328	0.0400
C41	16209	16202	CONDUIT	12.9	2.1384	0.0400
C42	16202	16196	CONDUIT	12.6	0.3421	0.0400
C43	26456	J4	CONDUIT	18.5	0.5508	0.0240
C44	16196	16190	CONDUIT	13.0	0.7716	0.0400
C45	J160	J253	CONDUIT	132.0	1.0225	0.0400
C46_1	J31	J88	CONDUIT	33.7	0.6076	0.0400
C46_2	J88	J30	CONDUIT	38.7	0.6067	0.0400
C47	J30	J29	CONDUIT	36.1	0.8304	0.0400
C48	16190	16184	CONDUIT	13.7	0.7602	0.0400
C49	16184	16178	CONDUIT	13.3	0.0899	0.0400
C5	16380	16373	CONDUIT	14.6	0.8992	0.0400
C50	J29	J28	CONDUIT	65.6	0.8383	0.0400
C51	16178	16172	CONDUIT	12.9	2.2421	0.0400
C52	16172	16156	CONDUIT	13.4	2.7460	0.0400
C53	16156	16159	CONDUIT	0.5	25.9977	0.0400
C54	26602	16159	CONDUIT	1.1	18.9160	0.0400
C55	26599	26602	CONDUIT	9.4	4.8065	0.0400
C56	16147	26599	CONDUIT	1.8	4.5032	0.0400
C57	J253	J117	CONDUIT	158.9	1.0950	0.0100
C58	26578	26567	CONDUIT	12.1	0.8682	0.0400
C59	26567	26560	CONDUIT	13.5	0.1110	0.0400
C6	16373	16365	CONDUIT	14.9	4.6135	0.0400
C60	J28	J85	CONDUIT	53.9	1.0814	0.0400
C61	26560	26548	CONDUIT	13.7	1.9807	0.0400
C62	J61	J46	CONDUIT	15.0	0.4681	0.0180

C63		26548	26541	CONDUIT	12.7	
0.6477	0.0400					
C64		26541	25028	CONDUIT	13.2	
1.4893	0.0400					
C65		25028	25025	CONDUIT	13.3	
0.4138	0.0400					
C66		25025	J36	CONDUIT	17.3	
0.2826	0.0190					
C67		J37	J40	CONDUIT	61.2	
0.3610	0.0450					
C68		SU1	J38	CONDUIT	10.0	-
8.0358	0.0190					
C68_2		J36	25014	CONDUIT	5.2	
0.4432	0.0400					
C69		25014	26502	CONDUIT	6.5	-
0.2295	0.0400					
C7		16365	16362	CONDUIT	10.0	
5.6033	0.0400					
C70		J117	J259	CONDUIT	111.5	
1.0136	0.0100					
C71		26502	25010	CONDUIT	5.2	-
0.2115	0.0400					
C72		J58	J59	CONDUIT	25.5	
1.3737	0.0400					
C73		25010	25006	CONDUIT	11.7	
0.1363	0.0400					
C74		25006	26481	CONDUIT	12.5	
0.3202	0.0400					
C75		J259	J101	CONDUIT	45.7	
0.5694	0.0400					
C76		26481	26468	CONDUIT	13.7	
0.5783	0.0400					
C77		26468	26456	CONDUIT	11.1	
0.0809	0.0400					
C78		26432	26456	CONDUIT	7.4	
1.8492	0.0400					
C8		16115	J5	CONDUIT	66.1	
1.3232	0.0400					
C80		J59	J60	CONDUIT	40.4	
1.5551	0.0400					
C81		J101	J92	CONDUIT	79.2	
0.9847	0.0100					
C83		26419	26414	CONDUIT	19.9	
0.9137	0.0400					
C84		26414	16017	CONDUIT	26.8	
0.3735	0.0400					
C86		J92	J80	CONDUIT	38.0	
0.5257	0.0400					
C87		J80	J64	CONDUIT	60.7	
0.9559	0.0100					
C89		J64	J276	CONDUIT	56.3	
2.2037	0.0100					
C9		16362	16346	CONDUIT	8.1	
4.9832	0.0400					
C90		16017	16026	CONDUIT	13.5	
0.9624	0.0400					
C91		J276	J33	CONDUIT	154.1	
0.8892	0.0100					
C92_1		16026	J76	CONDUIT	6.4	
4.4793	0.0400					

C92_2		J76	16027	CONDUIT	5.2	
4.4752	0.0400					
C93		J33	J35	CONDUIT	44.1	
0.2719	0.0100					
C95		J35	J43	CONDUIT	103.2	-
0.0388	0.0100					
C96		J43	J17	CONDUIT	109.8	
1.8944	0.0100					
C97		16027	16047	CONDUIT	38.6	
0.3551	0.0400					
C99		J17	J14	CONDUIT	56.1	
1.1939	0.0100					
DD01		J84	J21	CONDUIT	13.2	
2.3306	0.0450					
DD02		J21	J83	CONDUIT	13.7	
1.3135	0.0450					
DD03		J83	J16	CONDUIT	14.3	
1.1810	0.0450					
DD04		J16	J79	CONDUIT	10.9	
0.4937	0.0450					
DD05		J79	J85	CONDUIT	8.5	
0.6845	0.0450					
DD06		J85	J11	CONDUIT	15.2	
0.6861	0.0450					
DD07		J11	J20	CONDUIT	46.7	
0.4986	0.0450					
DD08		J20	J2	CONDUIT	120.1	
0.4663	0.0450					
DD09		J2	J86	CONDUIT	52.9	
0.6055	0.0450					
DD10		J86	J19	CONDUIT	74.7	
0.5354	0.0450					
DD11		J19	J75	CONDUIT	62.8	
0.6525	0.0450					
DD12		J75	J78	CONDUIT	28.0	
0.6253	0.0450					
DD13		J78	J77	CONDUIT	30.4	
0.3255	0.0450					
DD14		J77	J82	CONDUIT	26.8	
0.6013	0.0450					
DD15		J82	J74	CONDUIT	23.8	
0.4629	0.0450					
DD16		J74	J18	CONDUIT	24.8	
0.6047	0.0450					
DD17		J18	J22	CONDUIT	44.6	
0.4799	0.0450					
DD18		J22	J258	CONDUIT	15.9	
0.8530	0.0450					
SMC01		J7	J13	CONDUIT	100.3	
1.0009	0.0450					
SMC02		J13	J12	CONDUIT	158.3	
1.0007	0.0450					
SMC03		J12	J15	CONDUIT	71.4	
0.8370	0.0450					
SMC04		J15	J10	CONDUIT	151.1	
2.5062	0.0450					
SMC05		J10	J57	CONDUIT	52.9	
0.8540	0.0450					
SMC06		J57	J95	CONDUIT	42.9	
2.0385	0.0450					

SMC07	J95	J84	CONDUIT	89.3	
2.0368	0.0450				
SMC14	J258	J1	CONDUIT	247.7	
1.3737	0.0100				
C85	J38	J27	ORIFICE		

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Cross Section Summary
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Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
C1	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1	4.15
C10	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1	1.82
C100	C100	0.71	6.52	0.35	18.54	1	37.24
C101	C101	0.84	7.08	0.37	18.97	1	69.14
C102	TRAPEZOIDAL	1.87	17.91	1.07	16.12	1	65.65
C103	C103	0.36	2.17	0.16	13.16	1	5.13
C104	TRAPEZOIDAL	1.93	18.89	1.10	16.54	1	177.52
C105	TRAPEZOIDAL	2.08	14.89	1.21	11.32	1	40.65
C106	TRAPEZOIDAL	1.08	5.02	0.69	6.81	1	9.61
C107	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	9.79
C108	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	6.87
C109	TRAPEZOIDAL	2.87	17.87	1.34	11.97	1	26.29
C11	CIRCULAR	1.00	0.79	0.25	1.00	1	1.59
C110	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	5.94
C111	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	5.81
C112	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	5.61
C113	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	3.56
C114	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	4.87
C115	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	6.24
C116	TRAPEZOIDAL	0.80	3.28	0.54	5.70	1	6.08
C117	TRAPEZOIDAL	2.87	17.87	1.34	11.97	1	34.68
C118	TRAPEZOIDAL	1.86	17.72	1.06	16.03	1	115.73

C119	TRAPEZOIDAL	1.18	3.37	0.58	5.22	1
4.83						
C12	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
4.54						
C120_1	TRAPEZOIDAL	1.06	2.79	0.53	4.75	1
4.11						
C120_2	TRAPEZOIDAL	1.07	2.85	0.54	4.80	1
4.39						
C121	TRAPEZOIDAL	1.05	2.72	0.52	4.69	1
3.72						
C122_1	TRAPEZOIDAL	1.00	3.00	0.55	5.00	1
7.45						
C122_2	TRAPEZOIDAL	1.00	3.00	0.55	5.00	1
7.04						
C123	TRAPEZOIDAL	1.17	5.08	0.70	6.68	1
15.32						
C124_1	TRAPEZOIDAL	0.60	1.32	0.36	3.40	1
1.61						
C124_2	TRAPEZOIDAL	0.98	2.90	0.54	4.92	1
6.78						
C125	CIRCULAR	0.75	0.44	0.19	0.75	1
1.09						
C126	TRAPEZOIDAL	1.37	6.46	0.80	7.46	1
18.91						
C127	CIRCULAR	0.90	0.64	0.23	0.90	1
1.54						
C128	TRAPEZOIDAL	1.25	4.35	0.66	5.98	1
6.23						
C129	TRAPEZOIDAL	0.49	0.98	0.31	2.98	1
1.21						
C129_1	TRAPEZOIDAL	0.82	2.17	0.46	4.28	1
4.24						
C129_3	CIRCULAR	0.60	0.28	0.15	0.60	1
0.27						
C129_4	TRAPEZOIDAL	0.96	2.80	0.53	4.84	1
6.13						
C13	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
9.75						
C130	TRAPEZOIDAL	1.38	5.19	0.72	6.52	1
28.83						
C130_1	TRAPEZOIDAL	0.47	0.92	0.29	2.89	1
1.52						
C130_2	TRAPEZOIDAL	0.47	0.92	0.29	2.89	1
0.74						
C130_4	TRAPEZOIDAL	0.56	1.17	0.34	3.22	1
0.90						
C130_5	TRAPEZOIDAL	0.85	2.30	0.48	4.40	1
1.51						
C130_6	TRAPEZOIDAL	0.85	3.99	0.59	6.40	1
3.62						
C130_7	TRAPEZOIDAL	0.66	1.55	0.39	3.66	1
1.32						
C131	TRAPEZOIDAL	1.26	3.79	0.62	5.53	1
13.89						
C132_1	TRAPEZOIDAL	1.97	9.71	0.99	8.87	1
30.38						
C132_2	TRAPEZOIDAL	1.13	3.68	0.61	5.52	1
4.11						
C133	TRAPEZOIDAL	1.00	3.00	0.55	5.00	1
7.54						

C134_1	TRAPEZOIDAL	0.84	2.25	0.47	4.36	1
6.37						
C134_2	TRAPEZOIDAL	0.83	2.19	0.47	4.30	1
6.74						
C135	TRAPEZOIDAL	0.97	2.85	0.53	4.88	1
6.24						
C136	TRAPEZOIDAL	1.00	3.00	0.55	5.00	1
2.74						
C137	TRAPEZOIDAL	1.00	5.00	0.67	7.00	1
7.37						
C14	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
10.97						
C15	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.90						
C16	CIRCULAR	0.75	0.44	0.19	0.75	1
0.67						
C17	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.81						
C19	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.94						
C2	CIRCULAR	0.70	0.38	0.17	0.70	1
0.47						
C20	TRAPEZOIDAL	0.30	0.78	0.23	3.20	1
0.37						
C21	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.74						
C22	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
0.73						
C23	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
5.59						
C24	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.09						
C25_3	C25	0.16	0.78	0.08	9.50	1
1.33						
C26_5	TRAPEZOIDAL	0.77	1.96	0.44	4.09	1
1.96						
C26_6	TRAPEZOIDAL	0.79	2.03	0.45	4.15	1
1.79						
C28	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
5.96						
C29	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
5.39						
C3	CIRCULAR	1.00	0.79	0.25	1.00	1
1.36						
C30	RECT_OPEN	0.30	0.60	0.23	2.00	1
9.80						
C30_3	TRAPEZOIDAL	0.30	0.87	0.22	3.80	1
2.38						
C31	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.21						
C32	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.56						
C33	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.19						
C34	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
5.27						
C35	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
9.47						
C36	TRAPEZOIDAL	0.99	2.97	0.54	4.97	1
3.86						

C36_7	TRAPEZOIDAL	0.86	1.90	0.44	3.93	1
1.49						
C36_8	TRAPEZOIDAL	0.49	0.73	0.27	2.46	1
0.39						
C36_9	TRAPEZOIDAL	0.57	0.93	0.31	2.78	1
0.53						
C37	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.34						
C38	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.23						
C39	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.01						
C4	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.38						
C40	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.28						
C41	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.87						
C42	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
1.55						
C43	CIRCULAR	0.60	0.28	0.15	0.60	1
0.25						
C44	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.33						
C45	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.68						
C46_1	TRAPEZOIDAL	1.00	3.01	0.55	5.00	1
3.93						
C46_2	TRAPEZOIDAL	1.00	3.01	0.55	5.00	1
3.92						
C47	TRAPEZOIDAL	1.11	3.59	0.60	5.45	1
5.82						
C48	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.31						
C49	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
0.79						
C5	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
2.51						
C50	TRAPEZOIDAL	1.24	4.33	0.66	5.97	1
7.51						
C51	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
3.97						
C52	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
4.39						
C53	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
13.51						
C54	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
11.52						
C55	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
5.81						
C56	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
5.62						
C57	C57	0.25	1.13	0.15	7.56	1
3.30						
C58	TRAPEZOIDAL	0.60	2.52	0.44	5.40	1
3.41						
C59	TRAPEZOIDAL	0.60	2.52	0.44	5.40	1
1.22						
C6	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
5.69						

C60	TRAPEZOIDAL	1.09	5.63	0.72	7.35	1
11.72						
C61	TRAPEZOIDAL	0.70	3.10	0.50	5.81	1
6.90						
C62	CIRCULAR	0.45	0.16	0.11	0.45	1
0.14						
C63	TRAPEZOIDAL	0.78	3.54	0.55	6.11	1
4.76						
C64	TRAPEZOIDAL	0.79	3.65	0.56	6.18	1
7.53						
C65	TRAPEZOIDAL	0.95	4.64	0.64	6.79	1
5.55						
C66	CIRCULAR	0.60	0.28	0.15	0.60	1
0.22						
C67	TRAPEZOIDAL	1.62	6.07	0.78	6.98	1
6.88						
C68	CIRCULAR	0.30	0.07	0.07	0.30	1
0.19						
C68_2	TRAPEZOIDAL	0.96	4.76	0.65	6.86	1
5.94						
C69	TRAPEZOIDAL	0.98	4.86	0.66	6.92	1
4.41						
C7	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
6.27						
C70	C70	0.95	25.32	0.62	40.00	1
184.72						
C71	TRAPEZOIDAL	0.96	4.74	0.65	6.85	1
4.08						
C72	TRAPEZOIDAL	0.99	2.93	0.54	4.94	1
5.71						
C73	TRAPEZOIDAL	0.96	4.74	0.65	6.85	1
3.28						
C74	TRAPEZOIDAL	1.00	5.01	0.67	7.01	1
5.43						
C75	TRAPEZOIDAL	1.00	4.00	0.62	6.00	1
5.48						
C76	TRAPEZOIDAL	1.05	5.33	0.69	7.19	1
7.95						
C77	TRAPEZOIDAL	1.05	5.33	0.69	7.19	1
2.97						
C78	TRAPEZOIDAL	0.75	3.38	0.53	6.00	1
7.53						
C8	TRAPEZOIDAL	1.00	4.50	0.65	6.50	1
9.67						
C80	TRAPEZOIDAL	0.72	1.75	0.42	3.88	1
3.05						
C81	C81	0.13	0.54	0.07	8.04	1
0.87						
C83	TRAPEZOIDAL	1.11	7.70	0.69	10.80	1
14.34						
C84	TRAPEZOIDAL	1.13	7.90	0.70	10.94	1
9.51						
C86	TRAPEZOIDAL	1.00	4.00	0.62	6.00	1
5.26						
C87	C87	0.60	5.37	0.36	14.68	1
26.74						
C89	C89	0.68	5.95	0.38	15.45	1
46.64						
C9	TRAPEZOIDAL	0.60	1.92	0.41	4.40	1
5.91						

C90	TRAPEZOIDAL	1.14	7.99	0.70	10.99	1
15.49						
C91	C91	0.83	4.29	0.43	9.35	1
22.90						
C92_1	TRAPEZOIDAL	1.24	9.07	0.75	11.66	1
39.64						
C92_2	TRAPEZOIDAL	1.52	12.69	0.90	13.66	1
62.34						
C93	C93	0.74	4.44	0.28	16.58	1
9.94						
C95	C95	0.60	3.11	0.23	13.46	1
2.29						
C96	C96	1.00	11.25	0.62	17.88	1
112.98						
C97	TRAPEZOIDAL	1.78	16.44	1.02	15.47	1
24.89						
C99	C99	1.02	10.34	0.56	18.28	1
76.72						
DD01	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
4.82						
DD02	TRAPEZOIDAL	0.43	2.53	0.37	6.73	1
3.30						
DD03	TRAPEZOIDAL	0.55	3.33	0.45	7.19	1
4.71						
DD04	TRAPEZOIDAL	0.68	4.32	0.54	7.72	1
4.46						
DD05	TRAPEZOIDAL	0.89	5.99	0.67	8.54	1
8.43						
DD06	TRAPEZOIDAL	1.09	5.63	0.72	7.35	1
8.30						
DD07	TRAPEZOIDAL	1.34	6.25	0.78	7.35	1
8.33						
DD08	TRAPEZOIDAL	1.29	5.91	0.76	7.16	1
7.47						
DD09	TRAPEZOIDAL	1.29	5.91	0.76	7.16	1
8.51						
DD10	TRAPEZOIDAL	1.36	6.43	0.80	7.45	1
8.98						
DD11	TRAPEZOIDAL	1.44	7.03	0.83	7.76	1
11.17						
DD12	TRAPEZOIDAL	1.23	5.51	0.73	6.93	1
7.87						
DD13	TRAPEZOIDAL	1.12	5.87	0.73	7.48	1
6.05						
DD14	TRAPEZOIDAL	0.99	4.91	0.66	6.95	1
6.43						
DD15	TRAPEZOIDAL	0.84	3.91	0.58	6.34	1
4.11						
DD16	TRAPEZOIDAL	0.64	4.00	0.51	7.55	1
4.42						
DD17	TRAPEZOIDAL	0.47	2.82	0.40	6.90	1
2.34						
DD18	TRAPEZOIDAL	0.47	3.04	0.38	7.84	1
3.28						
SMC01	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
3.16						
SMC02	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
3.16						
SMC03	TRAPEZOIDAL	0.30	3.45	0.26	13.00	1
2.89						

SMC04	TRAPEZOIDAL	0.30	3.45	0.26	13.00	15.00
SMC05	TRAPEZOIDAL	0.30	3.45	0.26	13.00	12.92
SMC06	TRAPEZOIDAL	0.30	3.45	0.26	13.00	14.51
SMC07	TRAPEZOIDAL	0.30	3.45	0.26	13.00	14.51
SMC14	C114	0.49	3.06	0.26	11.33	14.79

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Transect Summary
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Transect C100
Area:

0.0007	0.0026	0.0059	0.0106	0.0160
0.0221	0.0289	0.0363	0.0445	0.0535
0.0633	0.0739	0.0849	0.0963	0.1084
0.1218	0.1376	0.1555	0.1742	0.1936
0.2135	0.2339	0.2548	0.2761	0.2979
0.3201	0.3428	0.3659	0.3895	0.4134
0.4378	0.4625	0.4877	0.5133	0.5393
0.5657	0.5926	0.6201	0.6480	0.6765
0.7055	0.7350	0.7650	0.7956	0.8267
0.8583	0.8909	0.9248	0.9606	1.0000

Hrad:

0.0204	0.0408	0.0612	0.0838	0.1127
0.1399	0.1657	0.1907	0.2114	0.2314
0.2515	0.2783	0.3090	0.3360	0.3527
0.3681	0.3790	0.3454	0.3711	0.4013
0.4315	0.4614	0.4916	0.5213	0.5507
0.5797	0.6087	0.6383	0.6675	0.6965
0.7251	0.7534	0.7815	0.8094	0.8367
0.8626	0.8863	0.9100	0.9335	0.9570
0.9803	1.0035	1.0262	1.0485	1.0708
1.0916	1.0909	1.0916	1.0530	1.0000

Width:

0.0325	0.0650	0.0975	0.1263	0.1424
0.1586	0.1748	0.1909	0.2108	0.2315
0.2522	0.2659	0.2751	0.2868	0.3075
0.3589	0.4202	0.4509	0.4702	0.4832
0.4956	0.5076	0.5189	0.5302	0.5415
0.5528	0.5636	0.5737	0.5838	0.5939
0.6039	0.6140	0.6241	0.6342	0.6445
0.6557	0.6685	0.6812	0.6940	0.7067
0.7194	0.7322	0.7452	0.7585	0.7717
0.7860	0.8165	0.8509	0.9279	1.0000

Transect C101
Area:

0.0010	0.0042	0.0091	0.0150	0.0217
0.0292	0.0372	0.0457	0.0547	0.0642
0.0743	0.0848	0.0958	0.1072	0.1192
0.1315	0.1444	0.1577	0.1714	0.1856
0.2001	0.2149	0.2301	0.2457	0.2617

0.2780 0.2947 0.3118 0.3292 0.3470
0.3652 0.3838 0.4027 0.4227 0.4461
0.4746 0.5042 0.5339 0.5639 0.5947
0.6273 0.6618 0.6985 0.7394 0.7812
0.8237 0.8669 0.9106 0.9550 1.0000

Hrad:

0.0228 0.0456 0.0760 0.1086 0.1390
0.1705 0.2041 0.2364 0.2677 0.2980
0.3276 0.3565 0.3860 0.4150 0.4435
0.4716 0.4992 0.5265 0.5534 0.5845
0.6164 0.6454 0.6742 0.7026 0.7307
0.7586 0.7862 0.8136 0.8408 0.8677
0.8945 0.9211 0.9461 0.9483 0.9238
0.7291 0.7686 0.8077 0.8467 0.8841
0.9183 0.9499 0.9613 0.8062 0.8385
0.8706 0.9033 0.9358 0.9680 1.0000

Width:

0.0462 0.0923 0.1208 0.1387 0.1567
0.1716 0.1826 0.1936 0.2047 0.2157
0.2267 0.2378 0.2479 0.2581 0.2682
0.2784 0.2886 0.2987 0.3089 0.3165
0.3234 0.3316 0.3399 0.3481 0.3563
0.3646 0.3728 0.3810 0.3893 0.3975
0.4057 0.4140 0.4228 0.4703 0.5891
0.6494 0.6544 0.6593 0.6643 0.7003
0.7403 0.7830 0.8510 0.9167 0.9313
0.9459 0.9595 0.9730 0.9865 1.0000

Transect C103

Area:

0.0019 0.0076 0.0153 0.0236 0.0324
0.0418 0.0518 0.0623 0.0733 0.0847
0.0966 0.1088 0.1214 0.1344 0.1478
0.1616 0.1758 0.1904 0.2054 0.2208
0.2366 0.2527 0.2693 0.2863 0.3038
0.3216 0.3399 0.3587 0.3778 0.3974
0.4175 0.4379 0.4588 0.4802 0.5019
0.5241 0.5467 0.5698 0.5937 0.6190
0.6458 0.6754 0.7106 0.7501 0.7902
0.8307 0.8720 0.9140 0.9566 1.0000

Hrad:

0.0219 0.0450 0.0841 0.1210 0.1561
0.1896 0.2219 0.2530 0.2854 0.3187
0.3512 0.3830 0.4142 0.4448 0.4749
0.5046 0.5338 0.5626 0.5910 0.6191
0.6469 0.6744 0.7006 0.7261 0.7514
0.7766 0.8016 0.8264 0.8511 0.8757
0.9001 0.9245 0.9487 0.9729 0.9969
1.0209 1.0447 1.0654 1.0536 1.0382
1.0266 0.9715 0.8843 0.8231 0.8577
0.8879 0.9162 0.9444 0.9723 1.0000

Width:

0.0873 0.1701 0.1828 0.1955 0.2082
0.2209 0.2336 0.2463 0.2570 0.2660
0.2750 0.2841 0.2931 0.3021 0.3112
0.3202 0.3292 0.3382 0.3473 0.3563
0.3653 0.3744 0.3839 0.3938 0.4037

0.4136 0.4235 0.4334 0.4433 0.4532
0.4631 0.4729 0.4828 0.4927 0.5026
0.5125 0.5224 0.5339 0.5626 0.5954
0.6285 0.7360 0.8739 0.9112 0.9211
0.9355 0.9516 0.9677 0.9839 1.0000

Transect C109
Area:
0.0006 0.0025 0.0057 0.0102 0.0159
0.0225 0.0298 0.0377 0.0463 0.0555
0.0653 0.0757 0.0866 0.0982 0.1103
0.1231 0.1364 0.1504 0.1650 0.1804
0.1965 0.2133 0.2308 0.2490 0.2679
0.2876 0.3080 0.3292 0.3511 0.3738
0.3972 0.4215 0.4469 0.4735 0.5012
0.5299 0.5591 0.5887 0.6187 0.6494
0.6809 0.7133 0.7466 0.7806 0.8153
0.8508 0.8870 0.9239 0.9616 1.0000
Hrad:
0.0183 0.0367 0.0550 0.0733 0.0939
0.1190 0.1429 0.1666 0.1909 0.2144
0.2373 0.2597 0.2817 0.3032 0.3245
0.3455 0.3663 0.3857 0.4026 0.4196
0.4367 0.4546 0.4728 0.4909 0.5091
0.5256 0.5423 0.5591 0.5760 0.5930
0.6101 0.6220 0.6294 0.6378 0.6471
0.6700 0.6965 0.7229 0.7489 0.7743
0.7986 0.8173 0.8404 0.8643 0.8878
0.9109 0.9337 0.9561 0.9782 1.0000
Width:
0.0329 0.0658 0.0986 0.1315 0.1601
0.1785 0.1968 0.2140 0.2293 0.2446
0.2598 0.2751 0.2904 0.3057 0.3210
0.3363 0.3516 0.3680 0.3869 0.4057
0.4246 0.4428 0.4608 0.4788 0.4968
0.5164 0.5360 0.5556 0.5752 0.5948
0.6144 0.6396 0.6701 0.7006 0.7311
0.7465 0.7576 0.7686 0.7826 0.8021
0.8220 0.8471 0.8673 0.8863 0.9052
0.9242 0.9431 0.9621 0.9810 1.0000

Transect C113
Area:
0.0010 0.0035 0.0067 0.0107 0.0154
0.0208 0.0270 0.0339 0.0415 0.0500
0.0592 0.0690 0.0793 0.0902 0.1016
0.1136 0.1261 0.1392 0.1528 0.1670
0.1818 0.1971 0.2140 0.2342 0.2555
0.2776 0.3006 0.3244 0.3489 0.3737
0.3987 0.4240 0.4498 0.4761 0.5030
0.5307 0.5593 0.5902 0.6216 0.6534
0.6857 0.7184 0.7516 0.7854 0.8198
0.8548 0.8904 0.9264 0.9630 1.0000
Hrad:
0.0189 0.0455 0.0703 0.0931 0.1147
0.1361 0.1560 0.1751 0.1941 0.2131
0.2342 0.2585 0.2818 0.3048 0.3273

0.3495 0.3713 0.3925 0.4135 0.4343
0.4550 0.4694 0.4639 0.4241 0.4433
0.4635 0.4840 0.5044 0.5326 0.5652
0.5975 0.6224 0.6468 0.6709 0.6926
0.7057 0.7034 0.7077 0.7348 0.7617
0.7884 0.8138 0.8358 0.8576 0.8793
0.9025 0.9255 0.9484 0.9729 1.0000

Width:

0.0524 0.0777 0.0972 0.1167 0.1363
0.1553 0.1753 0.1962 0.2171 0.2380
0.2565 0.2708 0.2854 0.3001 0.3148
0.3295 0.3443 0.3594 0.3746 0.3897
0.4049 0.4256 0.5056 0.5599 0.5843
0.6073 0.6297 0.6521 0.6638 0.6693
0.6747 0.6882 0.7020 0.7158 0.7320
0.7575 0.8007 0.8395 0.8509 0.8623
0.8737 0.8862 0.9024 0.9186 0.9347
0.9491 0.9635 0.9779 0.9903 1.0000

Transect C114

Area:

0.0028 0.0095 0.0168 0.0246 0.0327
0.0413 0.0503 0.0598 0.0697 0.0800
0.0908 0.1020 0.1136 0.1257 0.1382
0.1515 0.1655 0.1802 0.1956 0.2117
0.2285 0.2465 0.2659 0.2864 0.3077
0.3295 0.3518 0.3747 0.3980 0.4219
0.4463 0.4712 0.4966 0.5224 0.5484
0.5748 0.6016 0.6288 0.6563 0.6842
0.7125 0.7411 0.7701 0.8000 0.8308
0.8627 0.8955 0.9293 0.9641 1.0000

Hrad:

0.0187 0.0502 0.0835 0.1151 0.1454
0.1745 0.2025 0.2298 0.2562 0.2820
0.3073 0.3320 0.3562 0.3801 0.3973
0.4129 0.4288 0.4448 0.4610 0.4775
0.4892 0.4907 0.4944 0.5067 0.5310
0.5550 0.5788 0.6024 0.6257 0.6488
0.6718 0.6945 0.7209 0.7480 0.7734
0.7986 0.8235 0.8482 0.8727 0.8970
0.9211 0.9449 0.9631 0.9670 0.9718
0.9775 0.9847 0.9926 1.0010 1.0000

Width:

0.1519 0.1934 0.2052 0.2171 0.2289
0.2407 0.2526 0.2644 0.2762 0.2881
0.2999 0.3118 0.3236 0.3354 0.3529
0.3722 0.3915 0.4109 0.4303 0.4497
0.4740 0.5099 0.5457 0.5738 0.5881
0.6024 0.6167 0.6310 0.6454 0.6597
0.6740 0.6883 0.6982 0.7068 0.7169
0.7269 0.7370 0.7470 0.7570 0.7671
0.7771 0.7872 0.8019 0.8293 0.8566
0.8838 0.9103 0.9368 0.9633 1.0000

Transect C116

Area:

0.0004 0.0017 0.0038 0.0068 0.0106

0.0149 0.0198 0.0254 0.0315 0.0382
0.0455 0.0532 0.0614 0.0698 0.0786
0.0876 0.0970 0.1066 0.1165 0.1267
0.1372 0.1480 0.1591 0.1705 0.1841
0.1992 0.2151 0.2317 0.2491 0.2673
0.2883 0.3124 0.3384 0.3665 0.3964
0.4283 0.4617 0.4958 0.5307 0.5663
0.6042 0.6444 0.6858 0.7279 0.7708
0.8146 0.8593 0.9048 0.9514 1.0000

Hrad:

0.0248 0.0495 0.0743 0.0991 0.1297
0.1595 0.1881 0.2160 0.2433 0.2701
0.2966 0.3310 0.3650 0.4011 0.4365
0.4711 0.5052 0.5386 0.5715 0.6040
0.6360 0.6676 0.6988 0.7297 0.7500
0.7665 0.7840 0.8020 0.8149 0.8228
0.8252 0.8245 0.8203 0.8165 0.8151
0.8160 0.6861 0.7192 0.7519 0.7843
0.7543 0.7812 0.8100 0.8455 0.8790
0.9122 0.9452 0.9779 0.9917 1.0000

Width:

0.0172 0.0345 0.0517 0.0690 0.0815
0.0935 0.1054 0.1173 0.1292 0.1412
0.1531 0.1606 0.1679 0.1738 0.1796
0.1855 0.1914 0.1973 0.2032 0.2091
0.2150 0.2209 0.2267 0.2326 0.2994
0.3137 0.3280 0.3423 0.3586 0.3769
0.4660 0.5055 0.5464 0.5853 0.6242
0.6631 0.6811 0.6963 0.7115 0.7267
0.8000 0.8228 0.8436 0.8582 0.8753
0.8925 0.9097 0.9268 0.9605 1.0000

Transect C16

Area:

0.0011 0.0048 0.0125 0.0220 0.0320
0.0425 0.0534 0.0649 0.0769 0.0894
0.1028 0.1169 0.1318 0.1475 0.1640
0.1815 0.2000 0.2192 0.2391 0.2596
0.2807 0.3024 0.3248 0.3477 0.3708
0.3941 0.4175 0.4412 0.4650 0.4890
0.5132 0.5375 0.5619 0.5865 0.6113
0.6362 0.6612 0.6864 0.7117 0.7372
0.7628 0.7885 0.8144 0.8405 0.8667
0.8930 0.9195 0.9461 0.9728 1.0000

Hrad:

0.0139 0.0261 0.0378 0.0631 0.0872
0.1105 0.1329 0.1546 0.1757 0.1924
0.2086 0.2246 0.2404 0.2551 0.2682
0.2816 0.2950 0.3120 0.3301 0.3479
0.3654 0.3828 0.4000 0.4208 0.4450
0.4691 0.4930 0.5167 0.5403 0.5636
0.5874 0.6113 0.6350 0.6586 0.6821
0.7054 0.7286 0.7516 0.7746 0.7974
0.8201 0.8426 0.8651 0.8874 0.9096
0.9317 0.9537 0.9756 0.9973 1.0000

Width:

0.0802 0.2058 0.3363 0.3541 0.3719

0.3898 0.4076 0.4254 0.4433 0.4711
0.4992 0.5274 0.5555 0.5857 0.6198
0.6534 0.6868 0.7120 0.7342 0.7563
0.7785 0.8006 0.8228 0.8370 0.8435
0.8499 0.8564 0.8629 0.8694 0.8759
0.8815 0.8867 0.8919 0.8971 0.9024
0.9076 0.9128 0.9180 0.9233 0.9285
0.9337 0.9389 0.9442 0.9494 0.9546
0.9598 0.9651 0.9703 0.9756 1.0000

Transect C25
Area:
0.0069 0.0156 0.0246 0.0340 0.0439
0.0541 0.0648 0.0759 0.0874 0.0993
0.1116 0.1243 0.1374 0.1510 0.1649
0.1793 0.1941 0.2093 0.2249 0.2409
0.2573 0.2742 0.2915 0.3093 0.3278
0.3468 0.3664 0.3866 0.4074 0.4288
0.4508 0.4733 0.4965 0.5203 0.5447
0.5698 0.5955 0.6220 0.6491 0.6770
0.7055 0.7347 0.7646 0.7952 0.8265
0.8584 0.8915 0.9261 0.9623 1.0000
Hrad:
0.0316 0.0675 0.1019 0.1350 0.1670
0.1979 0.2280 0.2573 0.2858 0.3137
0.3410 0.3678 0.3942 0.4201 0.4456
0.4707 0.4955 0.5199 0.5438 0.5675
0.5910 0.6142 0.6359 0.6527 0.6696
0.6867 0.7039 0.7212 0.7386 0.7561
0.7737 0.7914 0.8091 0.8269 0.8422
0.8571 0.8723 0.8876 0.9032 0.9189
0.9348 0.9508 0.9670 0.9833 0.9997
1.0139 1.0082 1.0004 0.9949 1.0000
Width:
0.2198 0.2306 0.2413 0.2521 0.2628
0.2735 0.2843 0.2950 0.3057 0.3165
0.3272 0.3379 0.3487 0.3594 0.3702
0.3809 0.3916 0.4025 0.4135 0.4244
0.4354 0.4464 0.4583 0.4738 0.4893
0.5049 0.5204 0.5359 0.5514 0.5669
0.5825 0.5980 0.6135 0.6290 0.6466
0.6646 0.6826 0.7006 0.7186 0.7366
0.7546 0.7726 0.7906 0.8086 0.8266
0.8465 0.8842 0.9257 0.9672 1.0000

Transect C36
Area:
0.0014 0.0049 0.0097 0.0158 0.0227
0.0302 0.0381 0.0468 0.0582 0.0717
0.0868 0.1026 0.1188 0.1354 0.1525
0.1701 0.1881 0.2066 0.2255 0.2449
0.2648 0.2851 0.3058 0.3269 0.3484
0.3704 0.3927 0.4155 0.4386 0.4621
0.4860 0.5102 0.5348 0.5598 0.5851
0.6108 0.6368 0.6631 0.6898 0.7167
0.7440 0.7716 0.7995 0.8277 0.8562
0.8848 0.9134 0.9422 0.9710 1.0000

Hrad:

0.0147	0.0345	0.0517	0.0685	0.0918
0.1144	0.1360	0.1552	0.1673	0.1780
0.1624	0.1864	0.2100	0.2330	0.2554
0.2773	0.2989	0.3201	0.3410	0.3616
0.3827	0.4037	0.4244	0.4448	0.4650
0.4851	0.5049	0.5253	0.5458	0.5661
0.5863	0.6063	0.6261	0.6457	0.6653
0.6850	0.7056	0.7261	0.7464	0.7665
0.7866	0.8065	0.8263	0.8460	0.8710
0.8969	0.9228	0.9486	0.9744	1.0000

Width:

0.0973	0.1425	0.1877	0.2305	0.2479
0.2639	0.2799	0.3451	0.4309	0.4991
0.5350	0.5505	0.5659	0.5813	0.5973
0.6134	0.6294	0.6455	0.6615	0.6776
0.6921	0.7064	0.7208	0.7351	0.7494
0.7637	0.7780	0.7911	0.8038	0.8164
0.8290	0.8417	0.8543	0.8669	0.8796
0.8917	0.9026	0.9134	0.9243	0.9351
0.9460	0.9568	0.9677	0.9785	0.9831
0.9865	0.9898	0.9932	0.9966	1.0000

Transect C50

Area:

0.0020	0.0078	0.0169	0.0267	0.0369
0.0476	0.0587	0.0703	0.0824	0.0950
0.1080	0.1215	0.1354	0.1498	0.1647
0.1800	0.1958	0.2120	0.2288	0.2460
0.2636	0.2818	0.3005	0.3196	0.3393
0.3595	0.3802	0.4013	0.4230	0.4452
0.4678	0.4910	0.5147	0.5388	0.5635
0.5887	0.6144	0.6408	0.6678	0.6952
0.7230	0.7513	0.7799	0.8090	0.8385
0.8684	0.8988	0.9308	0.9647	1.0000

Hrad:

0.0181	0.0362	0.0642	0.0966	0.1277
0.1576	0.1866	0.2147	0.2420	0.2687
0.2947	0.3202	0.3452	0.3698	0.3940
0.4177	0.4412	0.4643	0.4870	0.5092
0.5311	0.5523	0.5733	0.5941	0.6148
0.6354	0.6558	0.6762	0.6964	0.7165
0.7365	0.7565	0.7764	0.7961	0.8159
0.8355	0.8507	0.8652	0.8845	0.9062
0.9278	0.9492	0.9705	0.9917	1.0127
1.0336	1.0387	1.0111	0.9916	1.0000

Width:

0.1094	0.2187	0.2663	0.2792	0.2922
0.3052	0.3181	0.3311	0.3441	0.3571
0.3700	0.3830	0.3960	0.4089	0.4219
0.4349	0.4478	0.4608	0.4739	0.4873
0.5008	0.5147	0.5287	0.5426	0.5566
0.5706	0.5846	0.5985	0.6125	0.6265
0.6404	0.6544	0.6684	0.6823	0.6963
0.7103	0.7280	0.7466	0.7606	0.7722
0.7837	0.7952	0.8067	0.8182	0.8298
0.8413	0.8659	0.9211	0.9733	1.0000

Transect C57

Area:

0.0025	0.0100	0.0195	0.0296	0.0402
0.0514	0.0631	0.0753	0.0881	0.1014
0.1153	0.1297	0.1446	0.1601	0.1761
0.1927	0.2098	0.2274	0.2455	0.2641
0.2831	0.3023	0.3218	0.3416	0.3617
0.3821	0.4027	0.4237	0.4449	0.4665
0.4883	0.5105	0.5332	0.5562	0.5797
0.6036	0.6279	0.6526	0.6778	0.7033
0.7293	0.7559	0.7835	0.8121	0.8417
0.8722	0.9033	0.9350	0.9672	1.0000

Hrad:

0.0169	0.0365	0.0673	0.0967	0.1247
0.1518	0.1778	0.2031	0.2277	0.2516
0.2751	0.2980	0.3205	0.3426	0.3643
0.3861	0.4078	0.4293	0.4506	0.4738
0.4995	0.5249	0.5499	0.5747	0.5992
0.6234	0.6474	0.6711	0.6946	0.7179
0.7395	0.7582	0.7768	0.7953	0.8138
0.8321	0.8504	0.8685	0.8867	0.9047
0.9227	0.9240	0.9240	0.9252	0.9273
0.9359	0.9519	0.9679	0.9840	1.0000

Width:

0.1525	0.2798	0.2962	0.3127	0.3291
0.3455	0.3619	0.3783	0.3947	0.4111
0.4275	0.4439	0.4603	0.4767	0.4932
0.5091	0.5246	0.5402	0.5557	0.5682
0.5769	0.5857	0.5944	0.6032	0.6119
0.6207	0.6294	0.6382	0.6469	0.6556
0.6658	0.6784	0.6910	0.7036	0.7162
0.7288	0.7415	0.7541	0.7667	0.7793
0.7919	0.8195	0.8493	0.8792	0.9090
0.9331	0.9498	0.9665	0.9833	1.0000

Transect C70

Area:

0.0002	0.0007	0.0015	0.0027	0.0051
0.0099	0.0173	0.0278	0.0433	0.0599
0.0768	0.0939	0.1114	0.1291	0.1472
0.1657	0.1846	0.2038	0.2233	0.2431
0.2632	0.2836	0.3044	0.3256	0.3471
0.3690	0.3911	0.4135	0.4363	0.4593
0.4826	0.5063	0.5303	0.5546	0.5793
0.6045	0.6303	0.6571	0.6846	0.7124
0.7404	0.7685	0.7968	0.8253	0.8540
0.8828	0.9118	0.9409	0.9702	1.0000

Hrad:

0.0153	0.0305	0.0458	0.0610	0.0635
0.0641	0.0718	0.0807	0.0801	0.1091
0.1376	0.1656	0.1927	0.2194	0.2442
0.2682	0.2940	0.3194	0.3446	0.3697
0.3945	0.4163	0.4378	0.4607	0.4833
0.5066	0.5298	0.5526	0.5750	0.5972
0.6188	0.6401	0.6609	0.6812	0.6990
0.7134	0.7278	0.7253	0.7441	0.7684

0.7932 0.8177 0.8422 0.8671 0.8920
0.9168 0.9414 0.9660 0.9835 1.0000
Width:
0.0114 0.0229 0.0343 0.0457 0.1145
0.2010 0.2939 0.4215 0.5507 0.5591
0.5676 0.5763 0.5866 0.5969 0.6111
0.6262 0.6360 0.6459 0.6555 0.6647
0.6740 0.6879 0.7018 0.7131 0.7243
0.7341 0.7438 0.7536 0.7637 0.7738
0.7845 0.7952 0.8064 0.8180 0.8324
0.8510 0.8695 0.9098 0.9238 0.9304
0.9364 0.9424 0.9484 0.9538 0.9589
0.9641 0.9692 0.9744 0.9867 1.0000

Transect C72
Area:
0.0004 0.0015 0.0034 0.0060 0.0094
0.0135 0.0184 0.0244 0.0330 0.0429
0.0541 0.0665 0.0801 0.0947 0.1101
0.1260 0.1424 0.1594 0.1769 0.1950
0.2135 0.2325 0.2518 0.2716 0.2917
0.3122 0.3331 0.3544 0.3761 0.3986
0.4223 0.4474 0.4739 0.5016 0.5302
0.5595 0.5892 0.6191 0.6493 0.6798
0.7105 0.7415 0.7727 0.8042 0.8360
0.8681 0.9005 0.9333 0.9664 1.0000
Hrad:
0.0170 0.0340 0.0510 0.0680 0.0850
0.1020 0.1190 0.1122 0.1207 0.1384
0.1560 0.1739 0.1934 0.2129 0.2390
0.2646 0.2896 0.3141 0.3381 0.3617
0.3871 0.4128 0.4382 0.4632 0.4879
0.5124 0.5365 0.5604 0.5797 0.5871
0.5881 0.5892 0.5949 0.6017 0.6215
0.6428 0.6706 0.6983 0.7257 0.7530
0.7800 0.8069 0.8335 0.8600 0.8863
0.9103 0.9329 0.9554 0.9778 1.0000
Width:
0.0223 0.0446 0.0669 0.0892 0.1115
0.1338 0.1560 0.2193 0.2756 0.3125
0.3494 0.3854 0.4171 0.4481 0.4639
0.4797 0.4955 0.5113 0.5271 0.5429
0.5556 0.5672 0.5788 0.5903 0.6019
0.6135 0.6251 0.6366 0.6532 0.6836
0.7230 0.7647 0.8021 0.8394 0.8587
0.8757 0.8834 0.8911 0.8988 0.9065
0.9142 0.9219 0.9296 0.9373 0.9450
0.9550 0.9663 0.9775 0.9888 1.0000

Transect C80
Area:
0.0012 0.0046 0.0105 0.0182 0.0264
0.0351 0.0441 0.0536 0.0635 0.0739
0.0846 0.0958 0.1074 0.1193 0.1318
0.1446 0.1578 0.1713 0.1853 0.1997
0.2144 0.2296 0.2451 0.2610 0.2774
0.2943 0.3115 0.3293 0.3474 0.3660

0.3851 0.4045 0.4246 0.4452 0.4663
0.4881 0.5103 0.5333 0.5573 0.5824
0.6085 0.6378 0.6779 0.7213 0.7656
0.8106 0.8565 0.9033 0.9512 1.0000

Hrad:

0.0248 0.0497 0.0745 0.1123 0.1550
0.1959 0.2352 0.2732 0.3100 0.3459
0.3808 0.4149 0.4483 0.4810 0.5134
0.5462 0.5785 0.6103 0.6416 0.6726
0.7032 0.7334 0.7623 0.7897 0.8168
0.8438 0.8707 0.8974 0.9241 0.9506
0.9770 1.0011 1.0214 1.0420 1.0628
1.0837 1.1049 1.1126 1.1112 1.1120
1.1148 0.8397 0.7821 0.8106 0.8453
0.8796 0.9116 0.9413 0.9707 1.0000

Width:

0.0471 0.0942 0.1413 0.1628 0.1712
0.1797 0.1881 0.1966 0.2050 0.2135
0.2220 0.2304 0.2389 0.2473 0.2556
0.2635 0.2713 0.2792 0.2870 0.2949
0.3027 0.3106 0.3189 0.3278 0.3367
0.3457 0.3546 0.3635 0.3724 0.3814
0.3903 0.4001 0.4116 0.4231 0.4345
0.4460 0.4575 0.4749 0.4972 0.5195
0.5418 0.7575 0.8656 0.8889 0.9049
0.9209 0.9390 0.9593 0.9797 1.0000

Transect C81

Area:

0.0005 0.0021 0.0047 0.0084 0.0132
0.0190 0.0258 0.0337 0.0427 0.0527
0.0637 0.0759 0.0890 0.1031 0.1180
0.1336 0.1499 0.1671 0.1851 0.2038
0.2233 0.2435 0.2646 0.2864 0.3090
0.3323 0.3561 0.3801 0.4044 0.4290
0.4538 0.4789 0.5043 0.5300 0.5560
0.5822 0.6087 0.6354 0.6625 0.6898
0.7174 0.7453 0.7735 0.8022 0.8316
0.8621 0.8942 0.9278 0.9631 1.0000

Hrad:

0.0190 0.0380 0.0570 0.0760 0.0950
0.1139 0.1329 0.1519 0.1709 0.1899
0.2089 0.2279 0.2469 0.2711 0.2943
0.3171 0.3395 0.3616 0.3835 0.4051
0.4265 0.4477 0.4688 0.4897 0.5105
0.5346 0.5659 0.5969 0.6276 0.6580
0.6882 0.7181 0.7477 0.7770 0.8061
0.8350 0.8637 0.8921 0.9203 0.9483
0.9761 1.0037 1.0245 1.0396 1.0549
1.0696 1.0829 1.0950 1.1063 1.0000

Width:

0.0280 0.0559 0.0839 0.1118 0.1398
0.1677 0.1957 0.2236 0.2516 0.2795
0.3075 0.3355 0.3634 0.3832 0.4039
0.4245 0.4451 0.4657 0.4863 0.5069
0.5275 0.5481 0.5687 0.5893 0.6099
0.6264 0.6337 0.6409 0.6482 0.6555

0.6628 0.6701 0.6774 0.6847 0.6920
0.6993 0.7066 0.7138 0.7211 0.7284
0.7357 0.7430 0.7553 0.7718 0.7883
0.8295 0.8721 0.9148 0.9574 1.0000

Transect C85
Area:
0.0026 0.0095 0.0171 0.0249 0.0332
0.0417 0.0505 0.0597 0.0692 0.0790
0.0892 0.0996 0.1104 0.1215 0.1329
0.1447 0.1568 0.1692 0.1819 0.1949
0.2083 0.2221 0.2362 0.2507 0.2655
0.2807 0.2962 0.3122 0.3287 0.3457
0.3631 0.3809 0.3993 0.4181 0.4374
0.4574 0.4784 0.5006 0.5237 0.5484
0.5764 0.6084 0.6480 0.6914 0.7376
0.7866 0.8375 0.8904 0.9448 1.0000
Hrad:
0.0280 0.0717 0.1233 0.1728 0.2206
0.2668 0.3115 0.3551 0.3974 0.4388
0.4792 0.5188 0.5576 0.5958 0.6333
0.6702 0.7066 0.7425 0.7779 0.8111
0.8439 0.8764 0.9086 0.9406 0.9724
1.0039 1.0315 1.0560 1.0807 1.1055
1.1305 1.1556 1.1809 1.2062 1.2316
1.2253 1.2197 1.2172 1.2174 1.1584
1.0671 1.0067 0.8601 0.8570 0.8597
0.8749 0.8963 0.9182 0.9586 1.0000
Width:
0.0937 0.1334 0.1391 0.1449 0.1507
0.1565 0.1623 0.1681 0.1739 0.1797
0.1855 0.1913 0.1971 0.2029 0.2087
0.2144 0.2202 0.2260 0.2318 0.2382
0.2446 0.2510 0.2574 0.2638 0.2702
0.2766 0.2840 0.2925 0.3009 0.3093
0.3177 0.3261 0.3345 0.3430 0.3514
0.3696 0.3887 0.4077 0.4268 0.4703
0.5376 0.6453 0.7529 0.8068 0.8584
0.8998 0.9354 0.9711 0.9864 1.0000

Transect C87
Area:
0.0010 0.0041 0.0092 0.0158 0.0235
0.0324 0.0423 0.0531 0.0650 0.0778
0.0915 0.1060 0.1212 0.1372 0.1540
0.1712 0.1889 0.2070 0.2254 0.2444
0.2637 0.2834 0.3036 0.3241 0.3451
0.3664 0.3882 0.4102 0.4327 0.4555
0.4787 0.5022 0.5261 0.5504 0.5750
0.6001 0.6256 0.6514 0.6777 0.7044
0.7316 0.7593 0.7874 0.8160 0.8452
0.8749 0.9052 0.9361 0.9677 1.0000
Hrad:
0.0163 0.0327 0.0511 0.0723 0.0921
0.1125 0.1330 0.1527 0.1720 0.1915
0.2126 0.2331 0.2532 0.2730 0.2956
0.3207 0.3454 0.3697 0.3936 0.4173

0.4408 0.4642 0.4874 0.5103 0.5329
0.5554 0.5786 0.6017 0.6245 0.6472
0.6696 0.6919 0.7132 0.7342 0.7551
0.7758 0.7964 0.8165 0.8348 0.8530
0.8711 0.8892 0.9065 0.9218 0.9372
0.9527 0.9672 0.9779 0.9888 1.0000
Width:
0.0631 0.1263 0.1811 0.2180 0.2550
0.2880 0.3181 0.3481 0.3782 0.4066
0.4307 0.4547 0.4788 0.5028 0.5210
0.5341 0.5470 0.5599 0.5728 0.5857
0.5983 0.6106 0.6230 0.6353 0.6476
0.6599 0.6709 0.6819 0.6928 0.7038
0.7148 0.7258 0.7376 0.7496 0.7615
0.7735 0.7854 0.7977 0.8117 0.8257
0.8398 0.8538 0.8685 0.8851 0.9017
0.9183 0.9358 0.9572 0.9786 1.0000

Transect C89
Area:
0.0005 0.0018 0.0041 0.0073 0.0114
0.0171 0.0254 0.0350 0.0458 0.0576
0.0703 0.0839 0.0984 0.1138 0.1303
0.1477 0.1657 0.1841 0.2031 0.2225
0.2422 0.2623 0.2828 0.3037 0.3249
0.3465 0.3685 0.3909 0.4136 0.4368
0.4603 0.4842 0.5086 0.5335 0.5588
0.5846 0.6108 0.6375 0.6646 0.6922
0.7202 0.7487 0.7777 0.8074 0.8376
0.8685 0.9001 0.9324 0.9655 1.0000
Hrad:
0.0176 0.0352 0.0528 0.0703 0.0882
0.0784 0.1002 0.1209 0.1424 0.1656
0.1881 0.2099 0.2312 0.2515 0.2703
0.2933 0.3201 0.3464 0.3723 0.3999
0.4274 0.4545 0.4813 0.5077 0.5339
0.5594 0.5845 0.6094 0.6340 0.6584
0.6826 0.7048 0.7265 0.7480 0.7693
0.7906 0.8122 0.8337 0.8552 0.8765
0.8977 0.9154 0.9317 0.9481 0.9645
0.9781 0.9914 1.0049 1.0056 1.0000
Width:
0.0259 0.0517 0.0776 0.1034 0.1288
0.2185 0.2541 0.2897 0.3217 0.3477
0.3737 0.3997 0.4257 0.4528 0.4821
0.5037 0.5176 0.5316 0.5455 0.5563
0.5667 0.5772 0.5876 0.5981 0.6085
0.6194 0.6303 0.6413 0.6523 0.6632
0.6742 0.6869 0.7000 0.7131 0.7262
0.7393 0.7519 0.7645 0.7770 0.7895
0.8021 0.8177 0.8345 0.8514 0.8683
0.8878 0.9078 0.9277 0.9601 1.0000

Transect C91
Area:
0.0066 0.0151 0.0241 0.0337 0.0438
0.0545 0.0658 0.0776 0.0899 0.1028

0.1163 0.1303 0.1448 0.1599 0.1756
0.1918 0.2084 0.2254 0.2426 0.2603
0.2782 0.2965 0.3151 0.3340 0.3532
0.3729 0.3930 0.4135 0.4345 0.4559
0.4778 0.5001 0.5229 0.5461 0.5699
0.5942 0.6190 0.6443 0.6702 0.6967
0.7237 0.7513 0.7795 0.8084 0.8380
0.8682 0.8990 0.9311 0.9647 1.0000

Hrad:

0.0311 0.0668 0.1004 0.1324 0.1629
0.1923 0.2207 0.2482 0.2750 0.3010
0.3266 0.3516 0.3761 0.3997 0.4228
0.4476 0.4750 0.5018 0.5281 0.5540
0.5795 0.6046 0.6293 0.6536 0.6776
0.6978 0.7176 0.7372 0.7568 0.7762
0.7955 0.8147 0.8338 0.8520 0.8679
0.8838 0.8998 0.9159 0.9320 0.9482
0.9642 0.9768 0.9896 1.0027 1.0160
1.0295 1.0399 1.0279 1.0185 1.0000

Width:

0.2260 0.2411 0.2562 0.2713 0.2864
0.3015 0.3166 0.3318 0.3469 0.3620
0.3771 0.3922 0.4073 0.4230 0.4390
0.4521 0.4612 0.4703 0.4794 0.4885
0.4976 0.5067 0.5158 0.5249 0.5340
0.5461 0.5584 0.5707 0.5830 0.5953
0.6076 0.6199 0.6322 0.6451 0.6600
0.6748 0.6897 0.7045 0.7194 0.7343
0.7493 0.7673 0.7853 0.8033 0.8213
0.8394 0.8602 0.9027 0.9452 1.0000

Transect C93

Area:

0.0014 0.0055 0.0109 0.0174 0.0246
0.0322 0.0402 0.0486 0.0574 0.0666
0.0763 0.0863 0.0968 0.1076 0.1189
0.1306 0.1427 0.1552 0.1682 0.1816
0.1955 0.2098 0.2245 0.2397 0.2555
0.2717 0.2883 0.3055 0.3234 0.3422
0.3619 0.3826 0.4043 0.4283 0.4544
0.4819 0.5110 0.5424 0.5766 0.6116
0.6471 0.6830 0.7195 0.7565 0.7941
0.8321 0.8708 0.9107 0.9519 1.0000

Hrad:

0.0261 0.0570 0.0955 0.1305 0.1729
0.2141 0.2537 0.2919 0.3289 0.3648
0.3999 0.4342 0.4678 0.5007 0.5331
0.5651 0.5965 0.6258 0.6549 0.6838
0.7124 0.7409 0.7691 0.7961 0.8217
0.8473 0.8729 0.8985 0.9069 0.9123
0.9196 0.9286 0.9157 0.8737 0.8736
0.8781 0.8738 0.8563 0.8515 0.8971
0.9355 0.9736 1.0113 1.0487 1.0857
1.1225 1.1449 1.1607 1.1658 1.0000

Width:

0.0504 0.0908 0.1084 0.1259 0.1341
0.1415 0.1490 0.1564 0.1638 0.1713

0.1787 0.1862 0.1936 0.2010 0.2085
0.2159 0.2234 0.2315 0.2396 0.2477
0.2558 0.2640 0.2721 0.2806 0.2897
0.2987 0.3077 0.3168 0.3323 0.3497
0.3670 0.3844 0.4123 0.4583 0.4865
0.5136 0.5476 0.5936 0.6349 0.6392
0.6485 0.6579 0.6672 0.6766 0.6860
0.6953 0.7136 0.7364 0.7666 1.0000

Transect C95
Area:
0.0009 0.0035 0.0080 0.0142 0.0222
0.0317 0.0418 0.0525 0.0636 0.0752
0.0873 0.0999 0.1128 0.1260 0.1396
0.1535 0.1677 0.1823 0.1971 0.2123
0.2279 0.2438 0.2600 0.2765 0.2934
0.3106 0.3281 0.3459 0.3641 0.3826
0.4015 0.4209 0.4409 0.4616 0.4830
0.5052 0.5282 0.5519 0.5764 0.6017
0.6294 0.6601 0.6934 0.7290 0.7667
0.8074 0.8517 0.8992 0.9488 1.0000
Hrad:
0.0262 0.0524 0.0785 0.1047 0.1309
0.1680 0.2109 0.2522 0.2921 0.3308
0.3684 0.4086 0.4494 0.4893 0.5286
0.5672 0.6051 0.6425 0.6793 0.7156
0.7515 0.7868 0.8218 0.8564 0.8906
0.9244 0.9580 0.9912 1.0241 1.0568
1.0828 1.1010 1.1197 1.1319 1.1431
1.1554 1.1686 1.1826 1.1973 1.1899
1.1149 1.0695 1.0405 1.0343 1.0216
0.9852 0.9639 0.9601 0.9798 1.0000
Width:
0.0341 0.0682 0.1023 0.1364 0.1704
0.1898 0.1993 0.2088 0.2183 0.2279
0.2374 0.2447 0.2510 0.2573 0.2637
0.2700 0.2764 0.2827 0.2890 0.2954
0.3017 0.3080 0.3144 0.3207 0.3271
0.3334 0.3397 0.3461 0.3524 0.3588
0.3673 0.3788 0.3902 0.4042 0.4189
0.4337 0.4484 0.4631 0.4778 0.5022
0.5615 0.6144 0.6639 0.7025 0.7485
0.8181 0.8827 0.9361 0.9681 1.0000

Transect C96
Area:
0.0005 0.0020 0.0045 0.0080 0.0126
0.0179 0.0236 0.0296 0.0360 0.0426
0.0496 0.0569 0.0645 0.0724 0.0807
0.0940 0.1107 0.1319 0.1535 0.1755
0.1979 0.2206 0.2438 0.2673 0.2914
0.3159 0.3408 0.3661 0.3916 0.4175
0.4438 0.4703 0.4972 0.5244 0.5519
0.5798 0.6080 0.6365 0.6652 0.6943
0.7237 0.7533 0.7832 0.8134 0.8439
0.8746 0.9056 0.9368 0.9683 1.0000
Hrad:

0.0160 0.0319 0.0479 0.0639 0.0798
0.1030 0.1284 0.1527 0.1762 0.1989
0.2210 0.2425 0.2636 0.2842 0.3038
0.3043 0.2334 0.1960 0.2243 0.2522
0.2798 0.3069 0.3325 0.3576 0.3824
0.4069 0.4332 0.4592 0.4850 0.5105
0.5357 0.5609 0.5858 0.6105 0.6350
0.6594 0.6836 0.7084 0.7330 0.7574
0.7816 0.8057 0.8296 0.8544 0.8790
0.9035 0.9278 0.9520 0.9761 1.0000

Width:

0.0315 0.0631 0.0946 0.1262 0.1577
0.1742 0.1841 0.1940 0.2039 0.2138
0.2237 0.2336 0.2435 0.2534 0.3065
0.4567 0.6405 0.6734 0.6848 0.6962
0.7077 0.7191 0.7333 0.7479 0.7625
0.7768 0.7872 0.7976 0.8079 0.8183
0.8287 0.8389 0.8491 0.8593 0.8695
0.8797 0.8897 0.8988 0.9079 0.9171
0.9262 0.9353 0.9444 0.9523 0.9603
0.9682 0.9762 0.9841 0.9921 1.0000

Transect C99

Area:

0.0003 0.0013 0.0030 0.0053 0.0082
0.0117 0.0157 0.0202 0.0253 0.0308
0.0370 0.0439 0.0516 0.0601 0.0690
0.0783 0.0881 0.0983 0.1089 0.1199
0.1360 0.1539 0.1732 0.1942 0.2187
0.2444 0.2705 0.2970 0.3239 0.3512
0.3790 0.4073 0.4361 0.4655 0.4955
0.5262 0.5576 0.5897 0.6221 0.6549
0.6880 0.7214 0.7551 0.7891 0.8235
0.8581 0.8931 0.9284 0.9641 1.0000

Hrad:

0.0180 0.0360 0.0540 0.0720 0.0922
0.1126 0.1324 0.1518 0.1709 0.1902
0.2042 0.2156 0.2284 0.2485 0.2719
0.2948 0.3173 0.3394 0.3611 0.3825
0.3866 0.3920 0.3998 0.3804 0.3081
0.3404 0.3723 0.4019 0.4309 0.4597
0.4881 0.5148 0.5404 0.5657 0.5903
0.6123 0.6342 0.6594 0.6890 0.7183
0.7474 0.7763 0.8050 0.8335 0.8617
0.8897 0.9176 0.9452 0.9727 1.0000

Width:

0.0183 0.0366 0.0548 0.0731 0.0889
0.1035 0.1181 0.1327 0.1473 0.1615
0.1804 0.2028 0.2252 0.2409 0.2526
0.2644 0.2762 0.2880 0.2998 0.3325
0.4767 0.5157 0.5519 0.6187 0.7095
0.7178 0.7262 0.7386 0.7511 0.7637
0.7762 0.7909 0.8068 0.8228 0.8395
0.8594 0.8794 0.8944 0.9031 0.9119
0.9206 0.9293 0.9380 0.9468 0.9557
0.9645 0.9734 0.9823 0.9911 1.0000

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****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ NO
  Water Quality .......... NO
Infiltration Method ...... CURVE_NUMBER
Flow Routing Method ...... DYNWAVE
Surcharge Method ......... EXTRAN
Starting Date ............ 04/10/2025 00:00:00
Ending Date .............. 04/13/2025 12:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:05:00
Routing Time Step ........ 5.00 sec
Variable Time Step ....... YES
Maximum Trials ........... 8
Number of Threads ........ 6
Head Tolerance ........... 0.001500 m
```

Runoff Quantity Continuity	Volume hectare-m	Depth mm
Total Precipitation	3.767	48.000
Evaporation Loss	0.000	0.000
Infiltration Loss	2.570	32.743
Surface Runoff	1.128	14.372
Final Storage	0.072	0.920
Continuity Error (%)	-0.073	

Flow Routing Continuity	Volume hectare-m	Volume 10^6 ltr
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	1.128	11.280
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	1.117	11.170
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.326	3.257
Final Stored Volume	0.337	3.366
Continuity Error (%)	0.006	

```
  *************************
  Highest Continuity Errors
  *************************
  Node 16088 (31.61%)
  Node 16127 (18.81%)
  Node 16082 (8.18%)


  ***************************
  Time-Step Critical Elements
  ***************************
  Link C68 (34.05%)
  Link C105 (17.23%)
  Link C36_8 (14.20%)
  Link C104 (6.18%)
  Link C131 (1.80%)


  *******************************
  Highest Flow Instability Indexes
  *******************************
  Link C104 (10)
  Link C2 (9)
  Link C105 (9)
  Link C102 (3)
  Link C118 (2)


  *******************************
  Most Frequent Nonconverging Nodes
  *******************************
  Convergence obtained at all time steps.


  *************************
  Routing Time Step Summary
  *************************
  Minimum Time Step           :     0.00 sec
  Average Time Step           :     3.03 sec
  Maximum Time Step           :     5.00 sec
  % of Time in Steady State   :     0.00
  Average Iterations per Step :     2.01
  % of Steps Not Converging   :     0.00
  Time Step Frequencies       :
      5.000 -  3.155 sec      :    64.64 %
      3.155 -  1.991 sec      :     8.82 %
      1.991 -  1.256 sec      :     6.99 %
      1.256 -  0.792 sec      :    12.55 %
      0.792 -  0.500 sec      :     6.99 %


  ***************************
  Subcatchment Runoff Summary
  ***************************

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Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
S1	48.00	0.00	0.00	36.96	0.94	8.88	9.81	0.04	0.00	0.204
S1_1	48.00	0.00	0.00	35.14	0.95	10.74	11.68	0.05	0.02	0.243
S1_3	48.00	0.00	0.00	36.21	0.94	9.63	10.57	0.08	0.01	0.220
S1_4	48.00	0.00	0.00	36.21	0.94	9.64	10.58	0.05	0.01	0.221
S1_5	48.00	0.00	0.00	36.11	0.94	9.75	10.69	0.03	0.01	0.223
S1_6	48.00	0.00	0.00	36.27	0.94	9.56	10.50	0.03	0.00	0.219
S1_7	48.00	0.00	0.00	36.14	0.94	9.72	10.66	0.05	0.01	0.222
S1_8	48.00	0.00	0.00	36.18	0.94	9.66	10.60	0.02	0.00	0.221
S10	48.00	0.00	0.00	36.77	0.94	9.08	10.02	0.08	0.01	0.209
S109_2	48.00	0.00	0.00	36.89	0.94	8.95	9.88	0.01	0.00	0.206
S11	48.00	0.00	0.00	37.03	0.94	8.79	9.73	0.11	0.01	0.203
S112	48.00	0.00	0.00	36.84	0.94	8.98	9.92	0.05	0.01	0.207
S113	48.00	0.00	0.00	36.87	0.94	8.97	9.91	0.06	0.01	0.206
S114	48.00	0.00	0.00	36.96	0.94	8.87	9.80	0.10	0.01	0.204
S115_1	48.00	0.00	0.00	36.84	0.94	8.98	9.92	0.08	0.01	0.207
S115_2	48.00	0.00	0.00	5.35	37.64	4.02	41.66	0.00	0.00	0.868
S12	48.00	0.00	0.00	37.01	0.94	8.80	9.74	0.28	0.02	0.203
S127	48.00	0.00	0.00	37.15	0.94	8.67	9.60	0.11	0.01	0.200
S129_2	48.00	0.00	0.00	36.94	0.94	8.89	9.82	0.07	0.01	0.205
S130	48.00	0.00	0.00	36.82	0.94	9.03	9.96	0.06	0.01	0.208
S132	48.00	0.00	0.00	37.01	0.94	8.82	9.76	0.12	0.01	0.203
S137	48.00	27.57	0.00	38.64	1.49	34.07	35.56	0.77	0.05	0.471
S144	48.00	0.00	0.00	37.08	0.94	8.74	9.68	0.16	0.01	0.202
S15_4	48.00	0.00	0.00	36.98	0.94	8.83	9.77	0.02	0.00	0.204
S16	48.00	0.00	0.00	36.87	0.94	8.96	9.90	0.06	0.01	0.206
S18	48.00	0.00	0.00	36.82	0.94	9.03	9.96	0.05	0.01	0.208

S19			48.00	0.00	0.00	36.82	0.94
9.01	9.95	0.06	0.01	0.207			
S2			48.00	0.00	0.00	37.10	0.94
8.72	9.65	0.04	0.00	0.201			
S2_1			48.00	0.00	0.00	33.11	0.96
13.87	14.83	0.21	0.03	0.309			
S2_10			48.00	0.00	0.00	33.11	0.96
13.92	14.88	0.06	0.02	0.310			
S2_11			48.00	0.00	0.00	33.11	0.96
13.92	14.88	0.05	0.02	0.310			
S2_13			48.00	0.00	0.00	5.21	37.58
4.16	41.74	0.01	0.00	0.870			
S2_14			48.00	0.00	0.00	5.21	37.58
4.16	41.74	0.01	0.00	0.870			
S2_15			48.00	0.00	0.00	36.58	0.94
9.25	10.18	0.02	0.00	0.212			
S2_16			48.00	4.91	0.00	36.38	1.04
14.29	15.33	0.09	0.02	0.290			
S2_17			48.00	10.40	0.00	36.61	1.15
19.43	20.58	0.09	0.01	0.352			
S2_18			48.00	0.00	0.00	36.03	0.94
9.96	10.90	0.02	0.01	0.227			
S2_19			48.00	0.00	0.00	36.05	0.94
9.90	10.84	0.01	0.00	0.226			
S2_2			48.00	0.00	0.00	33.28	0.96
13.67	14.63	0.38	0.03	0.305			
S2_20			48.00	0.00	0.00	36.07	0.94
9.82	10.76	0.02	0.01	0.224			
S2_21			48.00	0.00	0.00	36.00	0.94
10.02	10.96	0.02	0.01	0.228			
S2_22			48.00	0.00	0.00	36.63	0.94
9.18	10.12	0.01	0.00	0.211			
S2_23			48.00	0.00	0.00	36.65	0.94
9.19	10.13	0.03	0.00	0.211			
S2_24			48.00	0.00	0.00	36.63	0.94
9.19	10.13	0.00	0.00	0.211			
S2_25			48.00	0.00	0.00	36.47	0.94
9.35	10.29	0.00	0.00	0.214			
S2_26			48.00	0.00	0.00	36.68	0.94
9.14	10.08	0.00	0.00	0.210			
S2_27			48.00	0.00	0.00	5.21	37.58
4.16	41.74	0.02	0.01	0.870			
S2_28			48.00	0.00	0.00	5.21	37.58
4.16	41.74	0.01	0.00	0.870			
S2_29			48.00	0.00	0.00	5.21	37.58
4.16	41.74	0.01	0.01	0.870			
S2_3			48.00	0.00	0.00	33.11	0.96
13.86	14.82	0.25	0.03	0.309			
S2_30			48.00	0.00	0.00	5.21	37.58
4.16	41.74	0.01	0.00	0.870			
S2_31			48.00	0.00	0.00	5.21	37.58
4.16	41.74	0.01	0.00	0.870			
S2_32			48.00	0.00	0.00	5.21	37.58
4.16	41.74	0.01	0.00	0.870			
S2_33			48.00	0.00	0.00	33.74	0.96
13.15	14.11	0.31	0.02	0.294			
S2_34			48.00	0.00	0.00	5.21	37.58
4.16	41.74	0.01	0.00	0.870			
S2_35			48.00	0.00	0.00	5.21	37.58
4.16	41.74	0.01	0.00	0.870			

S2_36			48.00	0.00	0.00	5.21	37.58	
4.16	41.74	0.02	0.01	0.870				
S2_37			48.00	0.00	0.00	5.21	37.58	
4.16	41.74	0.01	0.00	0.870				
S2_38			48.00	0.00	0.00	5.21	37.58	
4.16	41.74	0.01	0.00	0.870				
S2_39			48.00	0.00	0.00	5.21	37.58	
4.16	41.74	0.01	0.01	0.870				
S2_4			48.00	0.00	0.00	5.24	37.75	
4.14	41.89	0.01	0.00	0.873				
S2_40			48.00	0.00	0.00	5.21	37.58	
4.16	41.74	0.01	0.00	0.870				
S2_41			48.00	0.00	0.00	5.21	37.58	
4.16	41.74	0.01	0.00	0.870				
S2_5			48.00	0.00	0.00	33.11	0.96	
13.86	14.82	0.60	0.07	0.309				
S2_6			48.00	0.00	0.00	33.11	0.96	
13.87	14.83	0.16	0.02	0.309				
S2_7			48.00	0.00	0.00	33.18	0.96	
13.78	14.74	0.22	0.02	0.307				
S2_8			48.00	0.00	0.00	33.37	0.96	
13.57	14.53	0.53	0.04	0.303				
S2_9			48.00	0.00	0.00	36.26	0.94	
9.60	10.54	0.02	0.00	0.220				
S20			48.00	0.00	0.00	37.05	0.94	
8.76	9.70	0.06	0.01	0.202				
S20_1			48.00	0.00	0.00	0.00	47.01	
0.00	47.01	0.28	0.10	0.979				
S20_10			48.00	0.00	0.00	0.00	47.01	
0.00	47.01	0.28	0.09	0.979				
S20_11			48.00	0.00	0.00	0.00	47.01	
0.00	47.01	0.34	0.12	0.979				
S20_12			48.00	0.00	0.00	5.36	37.62	
4.02	41.64	0.02	0.01	0.867				
S20_13			48.00	0.00	0.00	0.00	47.01	
0.00	47.01	0.37	0.13	0.979				
S20_2			48.00	0.00	0.00	5.36	37.62	
4.02	41.64	0.05	0.02	0.867				
S20_3			48.00	0.00	0.00	0.00	47.01	
0.00	47.01	0.48	0.16	0.979				
S20_6			48.00	0.00	0.00	5.36	37.62	
4.02	41.64	0.04	0.02	0.867				
S20_7			48.00	0.00	0.00	0.00	47.01	
0.00	47.01	0.07	0.02	0.979				
S20_8			48.00	0.00	0.00	0.00	47.01	
0.00	47.01	0.36	0.12	0.979				
S20_9			48.00	0.00	0.00	0.00	47.01	
0.00	47.01	0.29	0.10	0.979				
S22			48.00	0.00	0.00	37.05	0.94	
8.77	9.71	0.07	0.01	0.202				
S22_1			48.00	0.00	0.00	36.56	0.94	
9.37	10.31	0.00	0.00	0.215				
S22_4			48.00	0.00	0.00	5.34	37.60	
4.05	41.65	0.01	0.01	0.868				
S22_5			48.00	0.00	0.00	5.34	37.60	
4.05	41.65	0.02	0.01	0.868				
S23			48.00	0.00	0.00	37.24	0.94	
8.59	9.52	0.24	0.02	0.198				
S25			48.00	0.00	0.00	37.05	0.94	
8.76	9.69	0.12	0.01	0.202				

S29			48.00	0.00	0.00	36.87	0.94
8.96	9.89	0.05	0.01	0.206			
S3			48.00	8.95	0.00	37.50	1.12
17.10	18.21	0.24	0.02	0.320			
S33			48.00	0.00	0.00	37.08	0.94
8.75	9.69	0.13	0.01	0.202			
S34			48.00	0.00	0.00	36.91	0.94
8.93	9.86	0.15	0.02	0.205			
S36			48.00	0.00	0.00	36.91	0.94
8.93	9.86	0.14	0.01	0.205			
S37_2			48.00	0.00	0.00	36.98	0.94
8.84	9.77	0.12	0.01	0.204			
S4			48.00	0.00	0.00	36.84	0.94
9.00	9.94	0.01	0.00	0.207			
S44_3			48.00	0.00	0.00	36.87	0.94
8.97	9.91	0.07	0.01	0.206			
S45			48.00	0.00	0.00	36.73	0.94
9.13	10.07	0.05	0.01	0.210			
S48_1			48.00	0.00	0.00	36.98	0.94
8.83	9.77	0.12	0.01	0.204			
S5			48.00	0.00	0.00	33.11	0.96
13.90	14.86	0.40	0.10	0.310			
S51			48.00	2.52	0.00	37.17	0.99
11.11	12.10	0.18	0.01	0.240			
S54			48.00	0.00	0.00	36.82	0.94
9.03	9.97	0.06	0.01	0.208			
S56_1			48.00	0.00	0.00	36.70	0.94
9.16	10.10	0.03	0.01	0.210			
S6			48.00	0.00	0.00	33.11	0.96
13.90	14.86	0.12	0.03	0.310			
S61			48.00	0.00	0.00	37.17	0.94
8.65	9.58	0.07	0.01	0.200			
S63_2			48.00	0.00	0.00	37.24	0.94
8.57	9.51	0.03	0.00	0.198			
S63_3			48.00	0.00	0.00	37.19	0.94
8.61	9.55	0.04	0.00	0.199			
S65			48.00	0.00	0.00	37.29	0.94
8.52	9.46	0.09	0.01	0.197			
S69			48.00	0.00	0.00	37.17	0.94
8.65	9.59	0.12	0.01	0.200			
S7			48.00	0.00	0.00	5.36	37.64
4.02	41.66	0.21	0.07	0.868			
S76_3			48.00	35.16	0.00	37.33	1.64
42.98	44.62	0.35	0.02	0.536			
S77			48.00	0.00	0.00	36.91	1.11
8.90	10.02	0.05	0.00	0.209			
S8			48.00	0.00	0.00	5.36	37.63
4.02	41.65	0.13	0.05	0.868			
S80_3			48.00	0.00	0.00	5.35	37.62
4.04	41.66	0.01	0.01	0.868			
S88_2			48.00	0.00	0.00	37.01	0.94
8.81	9.75	0.10	0.01	0.203			
S88_3			48.00	0.00	0.00	5.35	37.64
4.03	41.66	0.03	0.01	0.868			
S9_1			48.00	0.00	0.00	36.87	0.94
8.97	9.91	0.04	0.00	0.206			
S9_2			48.00	0.00	0.00	37.05	0.94
8.77	9.71	0.02	0.00	0.202			
S9_3			48.00	0.00	0.00	37.05	0.94
8.77	9.71	0.02	0.00	0.202			

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  S90                        48.00       0.00       0.00      37.01       0.94
8.83       9.76        0.05     0.00   0.203
  S91_1                      48.00       0.00       0.00       5.36      37.64
4.02      41.66        0.02     0.01   0.868
  S91_2                      48.00       0.00       0.00      36.73       0.94
9.13      10.07        0.02     0.00   0.210
  S92                        48.00       0.00       0.00      36.94       0.94
8.88       9.82        0.07     0.01   0.204
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Node Depth Summary
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Node	Type	Average Depth Meters	Maximum Depth Meters	Maximum HGL Meters	Time of Max Occurrence days hr:min	Reported Max Depth Meters
16017	JUNCTION	0.00	0.02	94.50	0 12:01	0.02
16026	JUNCTION	0.00	0.01	94.36	0 12:02	0.01
16027	JUNCTION	0.00	0.03	93.86	0 12:30	0.03
16047	JUNCTION	0.01	0.14	93.83	0 13:06	0.14
16052	JUNCTION	0.00	0.10	93.83	0 13:04	0.10
16058	JUNCTION	0.00	0.00	93.71	0 00:00	0.00
16064	JUNCTION	0.00	0.00	93.55	0 00:00	0.00
16070	JUNCTION	0.00	0.00	93.72	0 00:00	0.00
16076	JUNCTION	0.00	0.04	93.65	0 12:00	0.04
16082	JUNCTION	0.02	0.09	93.65	0 12:00	0.09
16088	JUNCTION	0.15	0.23	93.65	0 12:00	0.23
16094	JUNCTION	0.00	0.08	93.65	0 12:01	0.08
16100	JUNCTION	0.00	0.08	93.49	0 12:01	0.08
16106	JUNCTION	0.00	0.06	93.26	0 12:01	0.06
16112	JUNCTION	0.01	0.09	92.89	0 12:01	0.09
16115	JUNCTION	0.00	0.07	92.75	0 12:02	0.07
16127	JUNCTION	0.02	0.27	93.83	0 13:10	0.26
16130	JUNCTION	0.07	0.41	93.83	0 13:07	0.41
16147	JUNCTION	0.00	0.00	95.44	0 00:00	0.00
16156	JUNCTION	0.00	0.00	94.81	0 00:00	0.00
16159	JUNCTION	0.00	0.00	94.69	0 00:00	0.00
16167	JUNCTION	0.00	0.00	94.53	0 00:00	0.00
16172	JUNCTION	0.00	0.00	95.17	0 00:00	0.00
16178	JUNCTION	0.00	0.00	95.46	0 00:00	0.00
16184	JUNCTION	0.00	0.00	95.47	0 00:00	0.00
16190	JUNCTION	0.00	0.00	95.58	0 00:00	0.00
16196	JUNCTION	0.00	0.00	95.68	0 00:00	0.00
16202	JUNCTION	0.00	0.00	95.72	0 00:00	0.00
16209	JUNCTION	0.00	0.00	96.00	0 00:00	0.00
16215	JUNCTION	0.00	0.00	96.20	0 00:00	0.00
16221	JUNCTION	0.00	0.00	96.34	0 00:00	0.00
16228	JUNCTION	0.00	0.00	96.51	0 00:00	0.00
16234	JUNCTION	0.00	0.00	96.72	0 00:00	0.00
16239	JUNCTION	0.00	0.00	98.39	0 00:00	0.00
16246	JUNCTION	0.00	0.00	98.89	0 00:00	0.00
16251	JUNCTION	0.00	0.00	99.08	0 00:00	0.00
16258	JUNCTION	0.00	0.00	99.21	0 00:00	0.00
16264	JUNCTION	0.00	0.00	99.40	0 00:00	0.00

16270	JUNCTION	0.00	0.00	99.93	0	00:00	0.00
16274	JUNCTION	0.00	0.00	100.26	0	00:00	0.00
16306	JUNCTION	0.00	0.00	101.01	0	00:00	0.00
16307	JUNCTION	0.00	0.00	100.86	0	00:00	0.00
16314	JUNCTION	0.00	0.00	100.25	0	00:00	0.00
16320	JUNCTION	0.00	0.00	100.26	0	00:00	0.00
16326	JUNCTION	0.00	0.00	100.21	0	00:00	0.00
16332	JUNCTION	0.00	0.00	100.05	0	00:00	0.00
16338	JUNCTION	0.00	0.00	99.16	0	00:00	0.00
16341	JUNCTION	0.00	0.00	98.21	0	00:00	0.00
16343	JUNCTION	0.00	0.00	97.87	0	00:00	0.00
16346	JUNCTION	0.00	0.00	97.79	0	00:00	0.00
16347	JUNCTION	0.00	0.00	97.75	0	00:00	0.00
16362	JUNCTION	0.00	0.00	98.19	0	00:00	0.00
16365	JUNCTION	0.00	0.00	98.75	0	00:00	0.00
16373	JUNCTION	0.00	0.00	99.43	0	00:00	0.00
16380	JUNCTION	0.00	0.00	99.56	0	00:00	0.00
16386	JUNCTION	0.00	0.00	99.67	0	00:00	0.00
16393	JUNCTION	0.00	0.00	99.99	0	00:00	0.00
25006	JUNCTION	0.01	0.16	94.74	0	12:16	0.16
25010	JUNCTION	0.01	0.15	94.74	0	12:16	0.15
25014	JUNCTION	0.04	0.18	94.74	0	12:16	0.18
25025	JUNCTION	0.02	0.20	94.84	0	12:08	0.20
25028	JUNCTION	0.01	0.15	94.84	0	12:08	0.15
26414	JUNCTION	0.00	0.00	94.58	0	00:00	0.00
26419	JUNCTION	0.00	0.00	94.76	0	00:00	0.00
26432	JUNCTION	0.01	0.15	94.73	0	12:16	0.15
26456	JUNCTION	0.11	0.29	94.73	0	12:16	0.29
26468	JUNCTION	0.10	0.28	94.74	0	12:16	0.28
26481	JUNCTION	0.04	0.20	94.74	0	12:16	0.20
26502	JUNCTION	0.02	0.16	94.74	0	12:16	0.16
26541	JUNCTION	0.00	0.00	94.89	0	00:00	0.00
26548	JUNCTION	0.00	0.00	94.97	0	00:00	0.00
26560	JUNCTION	0.00	0.00	95.24	0	00:00	0.00
26567	JUNCTION	0.00	0.00	95.26	0	00:00	0.00
26578	JUNCTION	0.00	0.00	95.36	0	00:00	0.00
26599	JUNCTION	0.00	0.00	95.35	0	00:00	0.00
26602	JUNCTION	0.00	0.00	94.90	0	00:00	0.00
J1	JUNCTION	0.04	0.35	93.83	0	13:06	0.35
J10	JUNCTION	0.01	0.06	103.89	0	12:21	0.06
J101	JUNCTION	0.01	0.05	99.11	0	12:53	0.05
J11	JUNCTION	0.03	0.19	100.00	0	12:31	0.19
J117	JUNCTION	0.01	0.08	100.53	0	12:37	0.08
J12	JUNCTION	0.01	0.04	108.25	0	12:21	0.04
J13	JUNCTION	0.00	0.02	109.82	0	12:13	0.02
J14	JUNCTION	0.02	0.08	92.14	0	12:57	0.08
J15	JUNCTION	0.01	0.04	107.65	0	12:22	0.04
J152	JUNCTION	0.00	0.03	102.62	0	12:02	0.03
J16	JUNCTION	0.01	0.10	100.13	0	12:30	0.10
J160	JUNCTION	0.01	0.09	103.63	0	12:34	0.09
J17	JUNCTION	0.02	0.12	92.85	0	12:57	0.12
J18	JUNCTION	0.02	0.12	97.35	0	12:40	0.12
J19	JUNCTION	0.02	0.18	98.48	0	12:36	0.18
J2	JUNCTION	0.03	0.18	99.20	0	12:34	0.18
J20	JUNCTION	0.03	0.20	99.78	0	12:32	0.20
J21	JUNCTION	0.01	0.07	100.45	0	12:29	0.07
J22	JUNCTION	0.01	0.11	97.13	0	12:42	0.11

J23	JUNCTION	0.08	0.12	96.73	0	16:11	0.12
J24	JUNCTION	0.00	0.00	96.89	0	00:00	0.00
J25	JUNCTION	0.08	0.13	96.77	0	16:10	0.13
J253	JUNCTION	0.01	0.04	102.23	0	12:34	0.04
J258	JUNCTION	0.01	0.07	96.95	0	12:41	0.07
J259	JUNCTION	0.02	0.15	99.47	0	12:53	0.15
J26	JUNCTION	0.01	0.15	98.06	0	12:00	0.14
J27	JUNCTION	0.08	0.13	96.80	0	16:10	0.13
J274	JUNCTION	0.01	0.06	91.44	0	12:56	0.06
J276	JUNCTION	0.01	0.05	96.31	0	12:58	0.05
J28	JUNCTION	0.00	0.05	100.55	0	12:03	0.05
J29	JUNCTION	0.01	0.15	101.20	0	12:02	0.15
J3	JUNCTION	0.00	0.00	97.56	0	00:00	0.00
J30	JUNCTION	0.01	0.09	101.44	0	12:02	0.09
J31	JUNCTION	0.01	0.09	101.88	0	12:01	0.09
J32	JUNCTION	0.01	0.07	102.07	0	12:01	0.07
J33	JUNCTION	0.02	0.10	94.99	0	12:57	0.10
J34	JUNCTION	0.00	0.04	102.41	0	12:00	0.04
J35	JUNCTION	0.07	0.21	94.98	0	12:58	0.21
J36	JUNCTION	0.01	0.16	94.74	0	12:16	0.16
J37	JUNCTION	0.08	0.12	96.65	0	16:00	0.12
J38	JUNCTION	0.34	0.64	97.34	0	16:09	0.64
J39	JUNCTION	0.02	0.44	97.96	0	12:00	0.44
J40	JUNCTION	0.09	0.14	96.44	0	16:00	0.14
J41	JUNCTION	0.08	0.13	96.31	0	12:02	0.13
J42	JUNCTION	0.06	0.11	96.11	0	12:04	0.11
J43	JUNCTION	0.02	0.08	94.89	0	12:58	0.08
J44	JUNCTION	0.06	0.12	95.62	0	12:03	0.12
J45	JUNCTION	0.08	0.15	94.98	0	12:01	0.15
J46	JUNCTION	0.00	0.04	98.28	0	12:00	0.04
J47	JUNCTION	0.04	0.42	97.62	0	12:00	0.42
J48	JUNCTION	0.01	0.12	98.40	0	12:00	0.12
J49	JUNCTION	0.00	0.07	100.97	0	12:00	0.07
J5	JUNCTION	0.02	0.20	92.00	0	12:04	0.20
J50	JUNCTION	0.00	0.06	98.89	0	12:00	0.06
J51	JUNCTION	0.02	0.32	98.62	0	12:00	0.32
J52	JUNCTION	0.01	0.13	100.13	0	12:00	0.13
J53	JUNCTION	0.00	0.04	97.15	0	12:12	0.04
J54	JUNCTION	0.01	0.16	99.25	0	12:00	0.16
J55	JUNCTION	0.01	0.12	98.76	0	12:00	0.12
J56	JUNCTION	0.02	0.40	98.00	0	12:00	0.40
J57	JUNCTION	0.01	0.04	103.42	0	12:23	0.04
J58	JUNCTION	0.00	0.02	99.60	0	12:00	0.02
J59	JUNCTION	0.00	0.03	99.26	0	12:00	0.03
J60	JUNCTION	0.00	0.04	98.64	0	12:00	0.04
J61	JUNCTION	0.01	0.10	98.41	0	12:00	0.10
J62	JUNCTION	0.00	0.01	102.01	0	12:00	0.01
J63	JUNCTION	0.00	0.03	99.63	0	12:00	0.03
J64	JUNCTION	0.02	0.08	97.58	0	12:57	0.08
J65	JUNCTION	0.00	0.03	99.18	0	12:00	0.03
J66	JUNCTION	0.00	0.03	98.43	0	12:01	0.03
J67	JUNCTION	0.00	0.05	96.05	0	12:01	0.05
J68	JUNCTION	0.01	0.15	95.15	0	12:03	0.15
J69	JUNCTION	0.00	0.05	94.89	0	12:03	0.05
J7	JUNCTION	0.00	0.01	110.82	0	12:02	0.01
J70	JUNCTION	0.00	0.09	99.74	0	12:00	0.09
J71	JUNCTION	0.01	0.09	98.09	0	12:00	0.09

J72	JUNCTION	0.01	0.11	97.67	0	12:00	0.11
J73	JUNCTION	0.00	0.02	99.80	0	12:31	0.02
J74	JUNCTION	0.01	0.11	97.49	0	12:40	0.11
J75	JUNCTION	0.06	0.21	98.10	0	12:37	0.21
J76	JUNCTION	0.00	0.01	94.07	0	12:02	0.01
J77	JUNCTION	0.02	0.15	97.80	0	12:39	0.15
J78	JUNCTION	0.03	0.18	97.93	0	12:38	0.18
J79	JUNCTION	0.01	0.10	100.07	0	12:30	0.10
J8	JUNCTION	0.01	0.07	90.58	0	12:56	0.07
J80	JUNCTION	0.01	0.06	98.14	0	12:59	0.06
J81	JUNCTION	0.06	0.12	95.23	0	12:04	0.12
J82	JUNCTION	0.03	0.17	97.66	0	12:39	0.17
J83	JUNCTION	0.01	0.07	100.27	0	12:30	0.07
J84	JUNCTION	0.01	0.04	100.73	0	12:29	0.04
J85	JUNCTION	0.02	0.14	100.05	0	12:31	0.14
J86	JUNCTION	0.03	0.19	98.89	0	12:34	0.19
J87	JUNCTION	0.00	0.08	100.06	0	12:00	0.08
J88	JUNCTION	0.01	0.09	101.67	0	12:02	0.09
J89	JUNCTION	0.01	0.35	98.00	0	12:00	0.35
J9	JUNCTION	0.02	0.21	97.84	0	12:00	0.21
J90	JUNCTION	0.00	0.04	102.34	0	12:01	0.04
J91	JUNCTION	0.00	0.03	96.63	0	12:02	0.03
J92	JUNCTION	0.02	0.16	98.44	0	12:58	0.16
J93	JUNCTION	0.00	0.04	99.24	0	12:02	0.04
J94	JUNCTION	0.01	0.23	98.06	0	12:00	0.23
J95	JUNCTION	0.01	0.04	102.55	0	12:25	0.04
16133	OUTFALL	0.05	0.29	93.59	0	13:06	0.29
J4	OUTFALL	0.07	0.19	94.54	0	12:16	0.19
J6	OUTFALL	0.01	0.18	91.68	0	12:04	0.18
OF2	OUTFALL	0.01	0.07	89.69	0	12:56	0.07
SU1	STORAGE	1.55	1.87	97.37	0	16:09	1.87

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Node Inflow Summary
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Node	Type	Maximum Lateral Inflow CMS	Maximum Total Inflow CMS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10^6 ltr	Total Inflow Volume 10^6 ltr	Flow Balance Error Percent
16017	JUNCTION	0.011	0.011	0 12:00	0.125	0.125	0.001
16026	JUNCTION	0.000	0.010	0 12:01	0	0.125	-0.002
16027	JUNCTION	0.000	0.010	0 12:02	0	0.125	-0.031
16047	JUNCTION	0.000	0.019	0 12:31	0	0.125	-0.602
16052	JUNCTION	0.000	0.006	0 13:04	0		

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  16058                 JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16064                 JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16070                 JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16076                 JUNCTION     0.000    0.002      0  11:52            0
0.00126       0.125
  16082                 JUNCTION     0.000    0.005      0  11:52            0
0.00587       8.909
  16088                 JUNCTION     0.000    0.007      0  11:53            0
0.0175      46.222
  16094                 JUNCTION     0.104    0.104      0  12:00        0.396
0.404      -0.003
  16100                 JUNCTION     0.000    0.098      0  12:01            0
0.39       0.002
  16106                 JUNCTION     0.000    0.098      0  12:01            0
0.39       0.000
  16112                 JUNCTION     0.000    0.098      0  12:01            0
0.39      -0.001
  16115                 JUNCTION     0.000    0.098      0  12:01            0
0.39      -0.014
  16127                 JUNCTION     0.000    0.032      0  13:12            0
0.13      23.173
  16130                 JUNCTION     0.000    0.258      0  13:16            0
3.74      -0.675
  16147                 JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16156                 JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16159                 JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16167                 JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16172                 JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16178                 JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16184                 JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16190                 JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16196                 JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16202                 JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16209                 JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16215                 JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16221                 JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16228                 JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16234                 JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16239                 JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
  16246                 JUNCTION     0.000    0.000      0  00:00            0
0       0.000 ltr
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  16251                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16258                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16264                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16270                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16274                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16306                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16307                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16314                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16320                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16326                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16332                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16338                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16341                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16343                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16346                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16347                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16362                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16365                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16373                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16380                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16386                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16393                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  25006                JUNCTION     0.000    0.053     0  12:11           0
0.453       0.001
  25010                JUNCTION     0.000    0.054     0  12:09           0
0.453      -0.003
  25014                JUNCTION     0.014    0.057     0  12:07      0.0864
0.453       0.102
  25025                JUNCTION     0.012    0.055     0  12:02      0.0565
0.364       0.005
  25028                JUNCTION     0.000    0.009     0  12:00           0
0.00646       0.067
  26414                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  26419                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  26432                JUNCTION     0.000    0.003     0  12:01           0
0.00192       0.067
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26456		JUNCTION	0.000	0.090	0	12:14	0
3.58	0.030						
26468		JUNCTION	0.000	0.091	0	12:12	0
3.58	0.028						
26481		JUNCTION	0.003	0.095	0	12:08	0.0192
3.58	0.008						
26502		JUNCTION	0.000	0.056	0	12:08	0
0.453	0.043						
26541		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
26548		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
26560		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
26567		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
26578		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
26599		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
26602		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
J1		JUNCTION	0.015	0.239	0	12:40	0.15
3.64	0.090						
J10		JUNCTION	0.036	0.144	0	12:17	0.111
2.16	0.023						
J101		JUNCTION	0.008	0.104	0	12:52	0.122
1.7	-0.013						
J11		JUNCTION	0.001	0.204	0	12:31	0.012
3.09	0.002						
J117		JUNCTION	0.011	0.079	0	12:33	0.118
1.18	-0.077						
J12		JUNCTION	0.060	0.091	0	12:01	0.632
1.32	0.024						
J13		JUNCTION	0.041	0.057	0	12:00	0.377
0.69	0.042						
J14		JUNCTION	0.007	0.172	0	12:57	0.0603
2.99	0.002						
J15		JUNCTION	0.068	0.134	0	12:18	0.733
2.05	0.016						
J152		JUNCTION	0.010	0.010	0	12:00	0.116
0.116	-0.006						
J16		JUNCTION	0.009	0.169	0	12:30	0.101
2.56	0.003						
J160		JUNCTION	0.055	0.055	0	12:30	0.831
0.831	0.001						
J17		JUNCTION	0.014	0.169	0	12:56	0.111
2.93	0.002						
J18		JUNCTION	0.000	0.213	0	12:40	0
3.25	0.005						
J19		JUNCTION	0.002	0.211	0	12:35	0.0312
3.21	0.008						
J2		JUNCTION	0.004	0.209	0	12:32	0.0415
3.18	0.013						
J20		JUNCTION	0.003	0.206	0	12:31	0.0416
3.13	0.004						
J21		JUNCTION	0.000	0.162	0	12:29	0
2.46	0.002						
J22		JUNCTION	0.000	0.213	0	12:41	0
3.25	0.005						

J23	JUNCTION	0.000	0.025	0	16:10	0	2.96
0.005							
J24	JUNCTION	0.000	0.000	0	00:00	0	0
0.000 ltr							
J25	JUNCTION	0.000	0.025	0	16:09	0	2.96
0.005							
J253	JUNCTION	0.013	0.071	0	12:31	0.112	1.06
0.002							
J258	JUNCTION	0.013	0.229	0	12:39	0.119	3.49
-0.040							
J259	JUNCTION	0.005	0.103	0	12:35	0.0505	1.58
0.086							
J26	JUNCTION	0.001	0.033	0	12:00	0.00735	0.148
0.027							
J27	JUNCTION	0.000	0.025	0	16:09	0	2.96
0.001							
J274	JUNCTION	0.013	0.177	0	12:56	0.0833	3.08
0.000							
J276	JUNCTION	0.008	0.127	0	12:57	0.0451	2.15
0.001							
J28	JUNCTION	0.005	0.061	0	12:02	0.0672	0.523
-0.007							
J29	JUNCTION	0.015	0.058	0	12:00	0.132	0.455
-0.004							
J3	JUNCTION	0.000	0.000	0	00:00	0	0
0.000 ltr							
J30	JUNCTION	0.016	0.047	0	12:01	0.102	0.323
-0.002							
J31	JUNCTION	0.014	0.035	0	12:00	0.0504	0.221
-0.011							
J32	JUNCTION	0.018	0.025	0	12:00	0.125	0.171
0.002							
J33	JUNCTION	0.023	0.141	0	12:55	0.256	2.4
0.006							
J34	JUNCTION	0.009	0.009	0	12:00	0.0463	0.0463
-0.012							
J35	JUNCTION	0.010	0.148	0	12:56	0.131	2.53
0.102							
J36	JUNCTION	0.003	0.045	0	12:08	0.00947	0.367
0.008							
J37	JUNCTION	0.003	0.025	0	16:00	0.00784	2.97
0.013							
J38	JUNCTION	0.000	0.025	0	16:08	0	2.96
-0.009							
J39	JUNCTION	0.025	0.649	0	12:00	0.0724	2.01
-0.002							
J40	JUNCTION	0.005	0.025	0	16:00	0.0178	2.99
0.018							
J41	JUNCTION	0.007	0.028	0	12:01	0.0167	3.01
0.011							
J42	JUNCTION	0.006	0.033	0	12:02	0.029	3.03
0.012							
J43	JUNCTION	0.021	0.163	0	12:57	0.291	2.82
-0.001							
J44	JUNCTION	0.011	0.039	0	12:02	0.0231	3.06
0.010							
J45	JUNCTION	0.016	0.049	0	12:03	0.0517	3.11
0.009							
J46	JUNCTION	0.004	0.017	0	12:00	0.0105	0.0546
-0.011							

J47		JUNCTION	0.094	0.828	0	12:00	0.278	
2.57	0.041							
J48		JUNCTION	0.097	0.097	0	12:00	0.285	
0.285	-0.010							
J49		JUNCTION	0.046	0.046	0	12:00	0.132	
0.132	-0.021							
J5		JUNCTION	0.000	0.097	0	12:02	0	
0.39	0.022							
J50		JUNCTION	0.018	0.064	0	12:00	0.0518	
0.184	0.004							
J51		JUNCTION	0.115	0.388	0	12:00	0.341	
1.14	-0.007							
J52		JUNCTION	0.072	0.072	0	12:00	0.205	
0.205	-0.020							
J53		JUNCTION	0.011	0.011	0	12:00	0.123	
0.123	-0.031							
J54		JUNCTION	0.016	0.087	0	12:00	0.0445	
0.25	0.004							
J55		JUNCTION	0.123	0.210	0	12:00	0.363	
0.612	-0.004							
J56		JUNCTION	0.095	0.244	0	12:00	0.281	
0.801	0.006							
J57		JUNCTION	0.000	0.143	0	12:22	0	
2.16	0.008							
J58		JUNCTION	0.004	0.004	0	12:00	0.0102	
0.0102	-0.016							
J59		JUNCTION	0.003	0.007	0	12:00	0.0115	
0.0217	-0.003							
J60		JUNCTION	0.004	0.011	0	12:00	0.0133	
0.0349	-0.007							
J61		JUNCTION	0.003	0.013	0	12:00	0.00923	
0.0442	0.020							
J62		JUNCTION	0.003	0.003	0	12:00	0.0214	
0.0214	0.006							
J63		JUNCTION	0.005	0.008	0	12:00	0.0155	
0.0369	-0.025							
J64		JUNCTION	0.019	0.124	0	12:57	0.239	
2.1	0.000							
J65		JUNCTION	0.007	0.014	0	12:00	0.0358	
0.0727	-0.015							
J66		JUNCTION	0.004	0.017	0	12:00	0.0242	
0.097	0.004							
J67		JUNCTION	0.013	0.028	0	12:00	0.0639	
0.161	-0.012							
J68		JUNCTION	0.017	0.043	0	12:00	0.0938	
0.255	0.009							
J69		JUNCTION	0.011	0.047	0	12:02	0.0462	
0.301	-0.010							
J7		JUNCTION	0.020	0.020	0	12:00	0.313	
0.313	0.025							
J70		JUNCTION	0.000	0.072	0	12:00	0	
0.205	0.010							
J71		JUNCTION	0.016	0.033	0	12:00	0.0857	
0.14	0.007							
J72		JUNCTION	0.000	0.096	0	12:00	0	
0.285	-0.018							
J73		JUNCTION	0.022	0.022	0	12:30	0.349	
0.349	-0.042							
J74		JUNCTION	0.002	0.213	0	12:39	0.0192	
3.25	0.002							

J75	JUNCTION	0.000	0.211	0	12:36	0	3.21
0.076							
J76	JUNCTION	0.000	0.010	0	12:02	0	0.125
-0.001							
J77	JUNCTION	0.000	0.212	0	12:38	0	3.23
0.003							
J78	JUNCTION	0.002	0.212	0	12:37	0.0243	3.23
0.004							
J79	JUNCTION	0.000	0.169	0	12:30	0	2.56
0.001							
J8	JUNCTION	0.009	0.183	0	12:55	0.109	3.18
0.004							
J80	JUNCTION	0.005	0.112	0	12:58	0.0746	1.86
0.005							
J81	JUNCTION	0.000	0.039	0	12:03	0	3.06
0.008							
J82	JUNCTION	0.000	0.212	0	12:39	0	3.23
0.004							
J83	JUNCTION	0.000	0.162	0	12:29	0	2.46
0.002							
J84	JUNCTION	0.005	0.162	0	12:27	0.0643	2.46
0.007							
J85	JUNCTION	0.000	0.203	0	12:30	0	3.08
0.006							
J86	JUNCTION	0.000	0.209	0	12:34	0	3.17
0.004							
J87	JUNCTION	0.000	0.046	0	12:00	0	0.132
0.008							
J88	JUNCTION	0.000	0.035	0	12:01	0	0.222
0.008							
J89	JUNCTION	0.000	0.154	0	12:00	0	0.521
0.024							
J9	JUNCTION	0.000	0.096	0	12:00	0	0.285
0.008							
J90	JUNCTION	0.000	0.009	0	12:00	0	0.0463
0.010							
J91	JUNCTION	0.000	0.017	0	12:01	0	0.097
-0.003							
J92	JUNCTION	0.005	0.108	0	12:53	0.088	1.79
0.016							
J93	JUNCTION	0.000	0.008	0	12:00	0	0.0369
0.010							
J94	JUNCTION	0.126	0.157	0	12:00	0.373	0.521
-0.034							
J95	JUNCTION	0.019	0.158	0	12:25	0.229	2.39
0.009							
16133	OUTFALL	0.000	0.219	0	13:06	0	3.76
0.000							
J4	OUTFALL	0.000	0.090	0	12:16	0	3.58
0.000							
J6	OUTFALL	0.000	0.090	0	12:04	0	0.39
0.000							
OF2	OUTFALL	0.020	0.199	0	12:53	0.255	3.44
0.000							
SU1	STORAGE	0.162	0.983	0	12:00	0.477	6.31
-0.002							

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Node Surcharge Summary

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No nodes were surcharged.

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Node Flooding Summary
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No nodes were flooded.

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Storage Volume Summary
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Storage Unit	Average Volume 1000 m³	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 m³	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CMS
SU1	4.174	38.1	0.0	0.0	5.383	49.1	0 16:09	0.025

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Outfall Loading Summary
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Outfall Node	Flow Freq Pcnt	Avg Flow CMS	Max Flow CMS	Total Volume 10^6 ltr
16133	97.31	0.019	0.219	3.763
J4	96.12	0.017	0.090	3.577
J6	50.00	0.005	0.090	0.390
OF2	61.47	0.029	0.199	3.440
System	76.23	0.069	0.495	11.169

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Link Flow Summary
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Link	Type	Maximum |Flow| CMS	Time of Max Occurrence days hr:min	Maximum |Veloc| m/sec	Max/ Full Flow	Max/ Full Depth
C1	CONDUIT	0.000	0 00:00	0.00	0.00	0.00

C10	CONDUIT	0.008	0	12:02	0.15	0.00	0.05
C100	CHANNEL	0.172	0	12:57	1.69	0.00	0.10
C101	CHANNEL	0.177	0	12:56	1.80	0.00	0.08
C102	CONDUIT	0.016	0	13:10	0.22	0.00	0.11
C103	CHANNEL	0.183	0	12:56	1.06	0.04	0.19
C104	CONDUIT	0.050	0	13:17	0.12	0.00	0.17
C105	CONDUIT	0.222	0	13:03	0.16	0.01	0.18
C106	CONDUIT	0.098	0	12:01	0.46	0.01	0.07
C107	CONDUIT	0.098	0	12:01	0.51	0.01	0.09
C108	CONDUIT	0.098	0	12:01	0.55	0.01	0.08
C109	CONDUIT	0.025	0	16:00	0.26	0.00	0.04
C11	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C110	CONDUIT	0.098	0	12:01	0.48	0.02	0.10
C111	CONDUIT	0.007	0	11:53	0.02	0.00	0.19
C112	CONDUIT	0.005	0	11:52	0.01	0.00	0.20
C113	CONDUIT	0.002	0	11:52	0.03	0.00	0.08
C114	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
C115	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C116	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C117	CONDUIT	0.028	0	12:03	0.32	0.00	0.04
C118	CONDUIT	0.008	0	13:11	0.01	0.00	0.14
C119	CONDUIT	0.032	0	12:04	0.38	0.01	0.10
C12	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C120_1	CONDUIT	0.039	0	12:03	0.44	0.01	0.11
C120_2	CONDUIT	0.038	0	12:04	0.39	0.01	0.12
C121	CONDUIT	0.051	0	12:03	0.45	0.01	0.16
C122_1	CONDUIT	0.046	0	12:00	0.54	0.01	0.07
C122_2	CONDUIT	0.046	0	12:00	0.59	0.01	0.07
C123	CONDUIT	0.063	0	12:00	0.14	0.00	0.16
C124_1	CONDUIT	0.072	0	12:00	0.52	0.04	0.19
C124_2	CONDUIT	0.072	0	12:00	0.45	0.01	0.13
C125	CONDUIT	0.087	0	12:00	1.51	0.08	0.19
C126	CONDUIT	0.209	0	12:00	0.38	0.01	0.16
C127	CONDUIT	0.386	0	12:00	1.51	0.25	0.42
C128	CONDUIT	0.644	0	12:00	0.81	0.10	0.34
C129	CONDUIT	0.010	0	12:00	0.13	0.01	0.14
C129_1	CONDUIT	0.096	0	12:00	0.44	0.02	0.20
C129_3	CONDUIT	0.096	0	12:00	1.54	0.35	0.27
C129_4	CONDUIT	0.096	0	12:00	0.24	0.02	0.28
C13	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C130	CONDUIT	0.003	0	12:00	0.17	0.00	0.01
C130_1	CONDUIT	0.017	0	12:00	0.26	0.01	0.13
C130_2	CONDUIT	0.032	0	12:00	0.25	0.04	0.25
C130_4	CONDUIT	0.035	0	12:01	0.18	0.04	0.34
C130_5	CONDUIT	0.240	0	12:00	0.32	0.16	0.49
C130_6	CONDUIT	0.153	0	12:01	0.11	0.04	0.44
C130_7	CONDUIT	0.154	0	12:00	0.35	0.12	0.44
C131	CONDUIT	0.827	0	12:00	1.62	0.06	0.32
C132_1	CONDUIT	0.008	0	12:00	0.21	0.00	0.02
C132_2	CONDUIT	0.007	0	12:01	0.18	0.00	0.03
C133	CONDUIT	0.014	0	12:00	0.37	0.00	0.03
C134_1	CONDUIT	0.017	0	12:01	0.48	0.00	0.04
C134_2	CONDUIT	0.017	0	12:02	0.36	0.00	0.05
C135	CONDUIT	0.027	0	12:01	0.23	0.00	0.10
C136	CONDUIT	0.039	0	12:03	0.32	0.01	0.10
C137	CONDUIT	0.046	0	12:03	0.12	0.01	0.13
C14	CONDUIT	0.000	0	00:00	0.00	0.00	0.00

C15	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C16	CONDUIT	0.090	0	12:04	1.02	0.14	0.26
C17	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C19	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C2	CONDUIT	0.219	0	13:06	1.14	0.47	0.50
C20	CONDUIT	0.009	0	12:19	0.13	0.03	0.16
C21	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C22	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C23	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C24	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C25_3	CHANNEL	0.022	0	12:31	0.17	0.02	0.53
C26_5	CONDUIT	0.009	0	12:00	0.20	0.00	0.05
C26_6	CONDUIT	0.008	0	12:01	0.13	0.00	0.07
C28	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C29	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C3	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C30	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C30_3	CONDUIT	0.000	0	00:00	0.00	0.00	0.21
C31	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C32	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C33	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C34	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C35	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C36	CONDUIT	0.022	0	12:01	0.25	0.01	0.08
C36_7	CONDUIT	0.025	0	16:11	0.27	0.02	0.14
C36_8	CONDUIT	0.025	0	16:09	0.26	0.06	0.26
C36_9	CONDUIT	0.025	0	16:10	0.26	0.05	0.22
C37	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C38	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C39	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C4	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C40	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C41	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C42	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C43	CONDUIT	0.090	0	12:16	0.86	0.36	0.40
C44	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C45	CONDUIT	0.054	0	12:34	0.40	0.02	0.11
C46_1	CONDUIT	0.035	0	12:01	0.34	0.01	0.09
C46_2	CONDUIT	0.034	0	12:02	0.32	0.01	0.09
C47	CONDUIT	0.046	0	12:02	0.31	0.01	0.11
C48	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C49	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C5	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C50	CONDUIT	0.057	0	12:02	0.47	0.01	0.08
C51	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C52	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C53	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C54	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C55	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C56	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C57	CHANNEL	0.071	0	12:34	0.52	0.02	0.22
C58	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C59	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C6	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C60	CONDUIT	0.060	0	12:03	0.27	0.01	0.08
C61	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C62	CONDUIT	0.013	0	12:00	0.81	0.09	0.16

C63	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C64	CONDUIT	0.000	0	00:00	0.00	0.00	0.09
C65	CONDUIT	0.009	0	12:00	0.02	0.00	0.19
C66	CONDUIT	0.045	0	12:08	0.71	0.20	0.29
C67	CONDUIT	0.025	0	16:00	0.25	0.00	0.08
C68	CONDUIT	0.025	0	16:08	0.35	0.13	1.00
C68_2	CONDUIT	0.044	0	12:09	0.10	0.01	0.17
C69	CONDUIT	0.056	0	12:08	0.13	0.01	0.17
C7	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C70	CHANNEL	0.078	0	12:37	0.72	0.00	0.12
C71	CONDUIT	0.054	0	12:09	0.15	0.01	0.16
C72	CONDUIT	0.004	0	12:00	0.17	0.00	0.02
C73	CONDUIT	0.053	0	12:11	0.16	0.02	0.16
C74	CONDUIT	0.051	0	12:13	0.11	0.01	0.18
C75	CONDUIT	0.098	0	12:53	0.44	0.02	0.10
C76	CONDUIT	0.091	0	12:12	0.13	0.01	0.23
C77	CONDUIT	0.090	0	12:14	0.09	0.03	0.27
C78	CONDUIT	0.003	0	12:01	0.01	0.00	0.29
C8	CONDUIT	0.097	0	12:02	0.26	0.01	0.14
C80	CONDUIT	0.007	0	12:00	0.21	0.00	0.04
C81	CHANNEL	0.104	0	12:53	0.36	0.12	0.71
C83	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C84	CONDUIT	0.000	0	00:00	0.00	0.00	0.01
C86	CONDUIT	0.108	0	12:58	0.45	0.02	0.11
C87	CHANNEL	0.112	0	12:59	0.68	0.00	0.12
C89	CHANNEL	0.124	0	12:58	1.93	0.00	0.10
C9	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C90	CONDUIT	0.010	0	12:01	0.17	0.00	0.02
C91	CHANNEL	0.127	0	12:58	0.77	0.01	0.09
C92_1	CONDUIT	0.010	0	12:02	0.27	0.00	0.01
C92_2	CONDUIT	0.010	0	12:02	0.17	0.00	0.01
C93	CHANNEL	0.141	0	12:57	0.46	0.01	0.21
C95	CHANNEL	0.148	0	12:58	0.47	0.06	0.24
C96	CHANNEL	0.163	0	12:58	1.13	0.00	0.10
C97	CONDUIT	0.012	0	12:32	0.14	0.00	0.04
C99	CHANNEL	0.169	0	12:57	2.06	0.00	0.10
DD01	CONDUIT	0.162	0	12:29	0.28	0.03	0.19
DD02	CONDUIT	0.162	0	12:29	0.43	0.05	0.17
DD03	CONDUIT	0.162	0	12:30	0.36	0.03	0.16
DD04	CONDUIT	0.169	0	12:30	0.33	0.04	0.15
DD05	CONDUIT	0.169	0	12:30	0.27	0.02	0.13
DD06	CONDUIT	0.203	0	12:31	0.38	0.02	0.15
DD07	CONDUIT	0.204	0	12:31	0.44	0.02	0.15
DD08	CONDUIT	0.206	0	12:33	0.45	0.03	0.15
DD09	CONDUIT	0.209	0	12:34	0.47	0.02	0.14
DD10	CONDUIT	0.209	0	12:35	0.48	0.02	0.14
DD11	CONDUIT	0.211	0	12:36	0.45	0.02	0.14
DD12	CONDUIT	0.211	0	12:37	0.50	0.03	0.14
DD13	CONDUIT	0.212	0	12:38	0.40	0.04	0.14
DD14	CONDUIT	0.212	0	12:39	0.40	0.03	0.16
DD15	CONDUIT	0.212	0	12:39	0.46	0.05	0.17
DD16	CONDUIT	0.213	0	12:40	0.36	0.05	0.18
DD17	CONDUIT	0.213	0	12:41	0.35	0.09	0.24
DD18	CONDUIT	0.213	0	12:42	0.45	0.06	0.19
SMC01	CONDUIT	0.016	0	12:02	0.10	0.01	0.06
SMC02	CONDUIT	0.044	0	12:13	0.14	0.01	0.11
SMC03	CONDUIT	0.086	0	12:21	0.23	0.03	0.13

SMC04	CONDUIT	0.134	0	12:22	0.27	0.03	0.16
SMC05	CONDUIT	0.143	0	12:22	0.28	0.05	0.17
SMC06	CONDUIT	0.143	0	12:23	0.35	0.03	0.14
SMC07	CONDUIT	0.158	0	12:27	0.38	0.04	0.14
SMC14	CHANNEL	0.229	0	12:41	0.58	0.02	0.42
C85	ORIFICE	0.025	0	16:09			1.00

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Flow Classification Summary
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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
C1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C10	1.00	0.00	0.58	0.00	0.42	0.00	0.00	0.00	0.98	0.00
C100	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.02	0.00
C101	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.68	0.00
C102	1.00	0.61	0.00	0.00	0.39	0.00	0.00	0.00	0.10	0.00
C103	1.00	0.00	0.00	0.00	0.05	0.95	0.00	0.00	0.16	0.00
C104	1.00	0.00	0.63	0.00	0.37	0.00	0.00	0.00	0.88	0.00
C105	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.81	0.00
C106	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.01	0.00
C107	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
C108	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
C109	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.04	0.00
C11	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C110	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99	0.00
C111	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.12	0.00
C112	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00	0.00	0.00
C113	1.00	0.12	0.84	0.00	0.05	0.00	0.00	0.00	0.85	0.00
C114	1.00	0.95	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C115	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C116	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C117	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.04
0.00									
C118	1.00	0.00	0.97	0.00	0.03	0.00	0.00	0.00	0.83
0.00									
C119	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.05
0.00									
C12	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C120_1	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C120_2	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.99
0.00									
C121	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.03
0.00									
C122_1	1.00	0.20	0.22	0.00	0.58	0.00	0.00	0.00	0.59
0.00									
C122_2	1.00	0.12	0.08	0.00	0.79	0.00	0.00	0.00	0.07
0.00									
C123	1.00	0.00	0.21	0.00	0.79	0.00	0.00	0.00	1.00
0.00									
C124_1	1.00	0.09	0.27	0.00	0.63	0.00	0.00	0.00	0.00
0.00									
C124_2	1.00	0.00	0.12	0.00	0.87	0.00	0.00	0.00	1.00
0.00									
C125	1.00	0.00	0.00	0.00	0.70	0.30	0.00	0.00	0.44
0.00									
C126	1.00	0.00	0.05	0.00	0.95	0.00	0.00	0.00	1.00
0.00									
C127	1.00	0.00	0.00	0.00	0.84	0.16	0.00	0.00	0.85
0.00									
C128	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.53
0.00									
C129	1.00	0.00	0.62	0.00	0.38	0.00	0.00	0.00	1.00
0.00									
C129_1	1.00	0.00	0.09	0.00	0.91	0.00	0.00	0.00	0.99
0.00									
C129_3	1.00	0.00	0.00	0.00	0.73	0.27	0.00	0.00	0.00
0.00									
C129_4	1.00	0.00	0.25	0.00	0.75	0.00	0.00	0.00	1.00
0.00									
C13	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C130	1.00	0.53	0.16	0.00	0.31	0.00	0.00	0.00	0.43
0.00									
C130_1	1.00	0.57	0.03	0.00	0.41	0.00	0.00	0.00	0.42
0.00									
C130_2	1.00	0.54	0.03	0.00	0.43	0.00	0.00	0.00	0.47
0.00									
C130_4	1.00	0.00	0.54	0.00	0.46	0.00	0.00	0.00	0.99
0.00									
C130_5	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98
0.00									
C130_6	1.00	0.00	0.06	0.00	0.94	0.00	0.00	0.00	0.96
0.00									
C130_7	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.01
0.00									
C131	1.00	0.00	0.00	0.00	0.97	0.00	0.00	0.03	0.74
0.00									

C132_1	1.00	0.24	0.28	0.00	0.47	0.00	0.00	0.00	0.50
0.00									
C132_2	1.00	0.25	0.00	0.00	0.75	0.00	0.00	0.00	0.02
0.00									
C133	1.00	0.32	0.22	0.00	0.46	0.00	0.00	0.00	0.33
0.00									
C134_1	1.00	0.28	0.05	0.00	0.67	0.00	0.00	0.00	0.33
0.00									
C134_2	1.00	0.12	0.21	0.00	0.67	0.00	0.00	0.00	0.93
0.00									
C135	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00	1.00
0.00									
C136	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C137	1.00	0.00	0.14	0.00	0.86	0.00	0.00	0.00	1.00
0.00									
C14	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C15	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C16	1.00	0.01	0.00	0.00	0.90	0.09	0.00	0.00	0.00
0.00									
C17	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C19	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C2	1.00	0.00	0.00	0.00	0.89	0.11	0.00	0.00	0.00
0.00									
C20	1.00	0.00	0.51	0.00	0.49	0.00	0.00	0.00	0.94
0.00									
C21	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C22	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C23	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C24	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C25_3	1.00	0.00	0.66	0.00	0.34	0.00	0.00	0.00	0.99
0.00									
C26_5	1.00	0.45	0.15	0.00	0.40	0.00	0.00	0.00	0.41
0.00									
C26_6	1.00	0.40	0.06	0.00	0.54	0.00	0.00	0.00	0.53
0.00									
C28	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C29	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C30	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C30_3	1.00	0.04	0.96	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C31	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C32	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C33	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

C34	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C35	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C36	1.00	0.30	0.14	0.00	0.55	0.00	0.00	0.00	0.57
0.00									
C36_7	1.00	0.00	0.04	0.00	0.96	0.00	0.00	0.00	0.90
0.00									
C36_8	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.36
0.00									
C36_9	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.01
0.00									
C37	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C38	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C39	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C40	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C41	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C42	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C43	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00
0.00									
C44	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C45	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.79
0.00									
C46_1	1.00	0.23	0.08	0.00	0.69	0.00	0.00	0.00	0.49
0.00									
C46_2	1.00	0.22	0.05	0.00	0.73	0.00	0.00	0.00	0.77
0.00									
C47	1.00	0.11	0.13	0.00	0.76	0.00	0.00	0.00	0.78
0.00									
C48	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C49	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C5	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C50	1.00	0.10	0.01	0.00	0.89	0.00	0.00	0.00	0.00
0.00									
C51	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C52	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C53	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C54	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C55	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C56	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C57	1.00	0.00	0.00	0.00	0.97	0.03	0.00	0.00	0.99
0.00									

C58	1.00	1.00	0.00	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	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C60	1.00	0.00	0.26	0.00	0.74	0.00	0.00	0.00	0.98
0.00									
C61	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C62	1.00	0.00	0.00	0.00	0.75	0.25	0.00	0.00	0.00
0.00									
C63	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C64	1.00	0.81	0.19	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C65	1.00	0.00	0.81	0.00	0.19	0.00	0.00	0.00	0.71
0.00									
C66	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.61
0.00									
C67	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99
0.00									
C68	1.00	0.00	0.02	0.00	0.96	0.00	0.03	0.00	0.00
0.00									
C68_2	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.05
0.00									
C69	1.00	0.00	0.04	0.00	0.96	0.00	0.00	0.00	0.00
0.00									
C7	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C70	1.00	0.00	0.00	0.00	0.24	0.76	0.00	0.00	0.24
0.00									
C71	1.00	0.04	0.01	0.00	0.95	0.00	0.00	0.00	0.00
0.00									
C72	1.00	0.65	0.04	0.00	0.31	0.00	0.00	0.00	0.34
0.00									
C73	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.12
0.00									
C74	1.00	0.00	0.05	0.00	0.95	0.00	0.00	0.00	0.68
0.00									
C75	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.83
0.00									
C76	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.63
0.00									
C77	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.02
0.00									
C78	1.00	0.01	0.80	0.00	0.19	0.00	0.00	0.00	0.67
0.00									
C8	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98
0.00									
C80	1.00	0.62	0.03	0.00	0.35	0.00	0.00	0.00	0.37
0.00									
C81	1.00	0.00	0.00	0.00	0.21	0.79	0.00	0.00	0.18
0.00									
C83	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C84	1.00	0.64	0.36	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C86	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.82
0.00									

C87	1.00	0.00	0.00	0.00	0.45	0.55	0.00	0.00	0.99
0.00									
C89	1.00	0.00	0.00	0.00	0.11	0.89	0.00	0.00	0.07
0.00									
C9	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C90	1.00	0.64	0.00	0.00	0.36	0.00	0.00	0.00	0.00
0.00									
C91	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
C92_1	1.00	0.65	0.01	0.00	0.34	0.00	0.00	0.00	0.19
0.00									
C92_2	1.00	0.59	0.05	0.00	0.35	0.00	0.00	0.00	0.43
0.00									
C93	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99
0.00									
C95	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.04
0.00									
C96	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.97
0.00									
C97	1.00	0.59	0.00	0.00	0.41	0.00	0.00	0.00	0.15
0.00									
C99	1.00	0.00	0.00	0.00	0.02	0.98	0.00	0.00	0.00
0.00									
DD01	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.99
0.00									
DD02	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.94
0.00									
DD03	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.99
0.00									
DD04	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
DD05	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.96
0.00									
DD06	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98
0.00									
DD07	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.96
0.00									
DD08	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.02
0.00									
DD09	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.94
0.00									
DD10	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00	0.03
0.00									
DD11	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.95
0.00									
DD12	1.00	0.00	0.07	0.00	0.93	0.00	0.00	0.00	0.91
0.00									
DD13	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
DD14	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.92
0.00									
DD15	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00	0.05
0.00									
DD16	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.93
0.00									
DD17	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.02
0.00									
DD18	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00	0.81
0.00									

SMC01	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.97	0.00
SMC02	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
SMC03	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.02	0.00
SMC04	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.97	0.00
SMC05	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
SMC06	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.97	0.00
SMC07	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
SMC14	1.00	0.00	0.00	0.00	0.20	0.80	0.00	0.00	0.26	0.00

****
Conduit Surcharge Summary
****

Conduit	Hours Full: Both Ends	Hours Full: Upstream	Hours Full: Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
C68	22.76	22.76	82.58	0.01	0.01
C81	0.01	0.01	1.88	0.01	0.01

Analysis begun on: Wed Nov 5 14:54:29 2025
Analysis ended on: Wed Nov 5 14:54:38 2025
Total elapsed time: 00:00:09

Appendix B-5: Chicago 25 mm 4-hour quality storm event

EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)

****
Element Count
****
Number of rain gages 7
Number of subcatchments ... 541
Number of nodes 476
Number of links 469
Number of pollutants 0
Number of land uses 0

****
Raingage Summary
****

Name	Data Source	Data Type	Recording Interval
Chicago_4h	Chicago4h	INTENSITY	10 min.
SCS_Type_II_100y_24h_103.5mm	SCS_Type_II_100y_24h_103.5mm	INTENSITY	15 min.
SCS_Type_II_10y_24h_72mm	SCS_Type_II_10y_24h_72mm	INTENSITY	15 min.
SCS_Type_II_25y_24h_84mm	SCS_Type_II_25y_24h_84mm	INTENSITY	15 min.
SCS_Type_II_2y_24h_48mm	SCS_Type_II_2y_24h_48mm	INTENSITY	15 min.
SCS_Type_II_50y_24h_93.6mm	SCS_Type_II_50y_24h_93.6mm	INTENSITY	15 min.
SCS_Type_II_5y_24h_62.4mm	SCS_Type_II_5y_24h_62.4mm	INTENSITY	15 min.

****
Subcatchment Summary
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Name	Area	Width	%Imperv	%Slope	Rain Gage	Outlet
S1	0.06	7.65	5.00	0.9500	Chicago_4h	J458
S10	0.32	35.64	5.00	5.3190	Chicago_4h	J9
S100	0.29	29010.00	100.00	1.0000	Chicago_4h	Bassin
S101	0.30	30.19	5.00	0.4890	Chicago_4h	J116
S102	0.43	23.97	5.00	0.5230	Chicago_4h	J135
S103	0.69	67.71	5.00	0.3070	Chicago_4h	J88
S104	0.25	38.66	5.00	0.2680	Chicago_4h	J124
S105	0.10	222.68	100.00	4.5450	Chicago_4h	J10
S106	0.49	38.92	5.00	0.9980	Chicago_4h	J138
S107	0.84	41.54	5.00	0.2410	Chicago_4h	J159

S108	0.60	75.89	5.00	1.5180	Chicago_4h
J1280					
S109	0.58	28.02	5.00	0.4250	Chicago_4h
J140					
S11	0.41	28.94	5.00	0.2640	Chicago_4h
J13					
S110	0.05	47.70	100.00	1.1580	Chicago_4h
Bassin					
S111	0.05	41.34	100.00	1.4360	Chicago_4h
Bassin					
S112	0.31	69.99	5.00	1.9710	Chicago_4h
J95					
S114	0.69	65.33	5.00	0.3570	Chicago_4h
J458					
S114_3	0.20	246.75	76.00	3.1430	Chicago_4h
J62					
S115	0.75	49.06	5.00	1.5410	Chicago_4h
J140					
S116	0.51	51.40	5.00	1.5860	Chicago_4h
J1219					
S117	0.40	31.11	5.00	0.5740	Chicago_4h
J299					
S118	0.34	20.14	5.00	0.2750	Chicago_4h
J172					
S119	1.33	102.45	5.00	0.7510	Chicago_4h
J1222					
S12	0.51	18.49	5.00	0.8590	Chicago_4h
J15					
S120	0.59	48.09	5.00	0.4290	Chicago_4h
J172					
S121	0.47	33.02	5.00	0.4190	Chicago_4h
J167					
S122	0.83	46.73	5.00	0.4270	Chicago_4h
J165					
S123	1.47	46.46	5.00	1.0820	Chicago_4h
J46					
S124	2.35	94.42	5.00	0.1720	Chicago_4h
30690					
S124_1	0.07	4.25	76.00	0.7550	Chicago_4h
15161					
S124_2	0.15	9.97	76.00	0.7550	Chicago_4h
J34					
S125	0.70	35.08	5.00	0.6390	Chicago_4h
J165					
S126	1.95	123.36	5.00	0.1560	Chicago_4h
30776					
S127	0.66	75.39	5.00	0.3870	Chicago_4h
J1294					
S128	0.57	60.27	5.00	1.1810	Chicago_4h
16611					
S129	1.07	82.99	5.00	0.0800	Chicago_4h
J88					
S13	0.96	56.74	5.00	0.4170	Chicago_4h
J13					
S130	0.60	88.05	5.00	0.4460	Chicago_4h
J525					
S131	0.38	40.31	5.00	0.0780	Chicago_4h
J205					
S132	0.34	42.77	5.00	0.1190	Chicago_4h
30723					

S133	0.85	64.16	5.00	0.2190	Chicago_4h	J1094
S134	1.05	132.70	5.00	0.3130	Chicago_4h	J1338
S135	0.81	107.58	5.00	0.6970	Chicago_4h	J159
S136_1	0.06	17.22	76.00	7.8540	Chicago_4h	J64
S136_2	0.07	21.11	76.00	7.8540	Chicago_4h	J65
S138	0.29	41.38	5.00	0.3980	Chicago_4h	J1229
S139	0.35	39.98	5.00	4.9840	Chicago_4h	J1338
S14	0.45	23.28	5.00	3.6290	Chicago_4h	J17
S140	0.51	55.29	5.00	0.2850	Chicago_4h	J161
S141	0.85	33.53	5.00	0.3060	Chicago_4h	J165
S142	0.80	48.47	5.00	0.1100	Chicago_4h	16496
S143	0.37	16.98	5.00	0.1780	Chicago_4h	J70
S146	0.49	22.84	5.00	1.1850	Chicago_4h	J221
S148	0.79	78.75	5.00	0.5050	Chicago_4h	J217
S15	0.59	26.07	5.00	2.3590	Chicago_4h	J35
S150	0.29	64.66	5.00	1.6550	Chicago_4h	J1279
S151	0.44	53.49	5.00	0.5110	Chicago_4h	J1254
S152	0.89	34.08	5.00	0.3800	Chicago_4h	J1338
S154	0.71	51.71	5.00	0.5400	Chicago_4h	J205
S155	0.70	28.42	5.00	1.9300	Chicago_4h	J205
S158	0.94	48.20	5.00	0.1890	Chicago_4h	J165
S159	0.56	60.53	5.00	0.2710	Chicago_4h	J225
S16	0.83	97.73	5.00	2.6180	Chicago_4h	J43
S161	0.10	26.08	5.00	0.0780	Chicago_4h	J1279
S162	0.44	33.74	5.00	0.4200	Chicago_4h	J232
S163	0.28	26.59	5.00	0.4280	Chicago_4h	J229
S166	0.50	38.56	5.00	0.2420	Chicago_4h	J1216
S167	0.38	28.63	5.00	0.4170	Chicago_4h	J1216
S168_1	0.13	3.60	5.00	1.1520	Chicago_4h	15183
S169	0.32	24.29	5.00	0.5510	Chicago_4h	J219

S17	0.69	24.26	5.00	0.3820	Chicago_4h
J17					
S170	0.36	36.64	5.00	0.5950	Chicago_4h
J225					
S177	0.29	38.73	5.00	0.9100	Chicago_4h
J229					
S179	0.54	29.15	5.00	2.3910	Chicago_4h
J273					
S18	0.60	26.40	5.00	1.9640	Chicago_4h
J37					
S183	0.32	25.27	5.00	3.2090	Chicago_4h
J273					
S185	0.32	23.19	5.00	2.1230	Chicago_4h
J254					
S186	0.46	50.39	5.00	0.3980	Chicago_4h
J232					
S19	0.64	21.19	5.00	0.4780	Chicago_4h
J30					
S190	0.46	25.63	5.00	0.5160	Chicago_4h
J299					
S192	0.25	18.37	5.00	4.1260	Chicago_4h
J227					
S195	0.29	33.98	5.00	0.3090	Chicago_4h
J209					
S197	0.33	42.92	5.00	0.3390	Chicago_4h
J294					
S2	0.91	89.03	5.00	0.6180	Chicago_4h
J1322					
S20	0.41	40.56	5.00	1.1040	Chicago_4h
J30					
S200	0.40	71.38	5.00	2.1180	Chicago_4h
J281					
S201	0.68	59.41	5.00	1.0920	Chicago_4h
J398					
S202	1.21	32.45	5.00	0.4710	Chicago_4h
J307					
S203	0.30	18.19	5.00	0.7260	Chicago_4h
J307					
S207	0.32	25.46	5.00	0.7920	Chicago_4h
J299					
S21	0.43	59.98	5.00	0.3790	Chicago_4h
J48					
S210	0.50	40.38	5.00	1.9640	Chicago_4h
J273					
S212	0.31	32.85	5.00	1.1950	Chicago_4h
J307					
S214	0.23	21.72	5.00	4.4940	Chicago_4h
J273					
S215	0.50	24.83	5.00	4.4320	Chicago_4h
J275					
S218	0.49	33.22	5.00	3.6850	Chicago_4h
J309					
S219	0.29	38.83	5.00	0.3410	Chicago_4h
J254					
S22	0.51	69.55	5.00	0.5350	Chicago_4h
J28					
S220	0.74	26.01	5.00	0.2500	Chicago_4h
J1258					
S221_1	0.00	0.26	5.00	0.5820	Chicago_4h
J299					

S223_1	0.29	23.10	5.00	0.8420	Chicago_4h
15017					
S224	0.66	62.75	5.00	0.1370	Chicago_4h
J319					
S225	0.72	19.79	5.00	0.0610	Chicago_4h
J221					
S228	0.40	48.32	5.00	0.4240	Chicago_4h
J348					
S23	0.74	27.50	5.00	1.0850	Chicago_4h
J37					
S234_2	0.33	16.44	5.00	0.6910	Chicago_4h
15161					
S235	0.68	46.58	5.00	0.9530	Chicago_4h
J339					
S238	0.29	24.60	5.00	1.3780	Chicago_4h
J309					
S24	0.21	35.68	5.00	16.0510	Chicago_4h
J23					
S240	0.45	51.26	5.00	0.5820	Chicago_4h
J307					
S241	0.93	64.10	5.00	1.2370	Chicago_4h
J1232					
S242	1.80	44.10	5.00	6.1590	Chicago_4h
J1233					
S245	0.53	56.28	5.00	0.1290	Chicago_4h
J1332					
S247_2	0.64	27.84	5.00	1.0490	Chicago_4h
J392					
S248	0.72	31.29	5.00	0.4890	Chicago_4h
J344					
S25	0.34	31.27	5.00	1.8320	Chicago_4h
J37					
S250	0.28	31.39	5.00	0.4740	Chicago_4h
J339					
S252	0.30	62.10	5.00	0.3240	Chicago_4h
J352					
S26	0.26	47.59	5.00	0.3880	Chicago_4h
J30					
S260_2	0.56	34.76	5.00	0.6060	Chicago_4h
J360					
S262	0.45	45.40	5.00	0.6740	Chicago_4h
J372					
S266	0.32	39.98	5.00	1.6460	Chicago_4h
J309					
S267	0.35	58.33	5.00	0.1720	Chicago_4h
J382					
S268	0.33	28.73	5.00	6.0690	Chicago_4h
J319					
S269_1	0.48	46.77	5.00	1.6780	Chicago_4h
J392					
S27	0.48	37.17	5.00	0.7660	Chicago_4h
J37					
S272	0.53	91.99	5.00	0.2890	Chicago_4h
J396					
S275	0.26	15.67	5.00	0.9240	Chicago_4h
J388					
S276	0.41	58.61	5.00	0.5570	Chicago_4h
J394					
S278_2	0.37	11.28	5.00	0.2060	Chicago_4h
J1332					

S278_3	0.30	9.10	5.00	0.2060	Chicago_4h J1332
S278_4	0.00	0.00	5.00	0.2060	Chicago_4h J1332
S279	0.30	23.95	5.00	10.1910	Chicago_4h J388
S28	0.46	31.38	5.00	0.0150	Chicago_4h 17000
S283	0.71	34.90	5.00	0.4520	Chicago_4h J1246
S285	0.46	28.17	5.00	0.2390	Chicago_4h J304
S286	0.93	70.90	5.00	0.6700	Chicago_4h J344
S288	1.08	44.90	5.00	0.7430	Chicago_4h J419
S29	0.66	67.92	5.00	1.9020	Chicago_4h J39
S290	0.40	107.84	5.00	0.0080	Chicago_4h J398
S291	0.39	35.67	5.00	0.7780	Chicago_4h J362
S295	0.73	29.71	5.00	1.4750	Chicago_4h J433
S296	0.40	30.13	5.00	0.2720	Chicago_4h J1246
S299	0.69	52.14	5.00	2.3760	Chicago_4h J433
S3	1.86	122.05	5.00	0.3030	Chicago_4h S758
S3_1	0.11	11.60	5.00	0.3560	Chicago_4h 31294
S30	0.36	19.05	5.00	0.6370	Chicago_4h J30
S300_1	0.34	27.63	5.00	0.5480	Chicago_4h J360
S301	0.45	58.27	5.00	0.3320	Chicago_4h J384
S304	0.43	39.77	5.00	0.3800	Chicago_4h J467
S307	0.55	36.71	5.00	0.9950	Chicago_4h J447
S309	0.48	74.25	5.00	1.0460	Chicago_4h J1213
S31	0.37	37.85	5.00	0.3240	Chicago_4h J41
S310	0.14	41.49	5.00	0.2880	Chicago_4h J419
S313	0.48	31.48	5.00	0.4800	Chicago_4h J304
S314	0.32	24.78	5.00	2.4090	Chicago_4h J491
S315	0.84	31.75	5.00	0.5610	Chicago_4h J462
S316	0.30	10.26	5.00	0.6600	Chicago_4h 31735
S317	0.26	35.42	5.00	0.3510	Chicago_4h J453
S318	0.47	36.12	5.00	0.5950	Chicago_4h J472

S32	0.83	36.19	5.00	0.6070	Chicago_4h
J59					
S320	0.38	42.19	5.00	0.0770	Chicago_4h
J455					
S324_1	0.20	17.21	5.00	0.2110	Chicago_4h
J537					
S324_3	0.06	5.27	5.00	0.2110	Chicago_4h
J81					
S326	0.42	45.85	5.00	0.2510	Chicago_4h
J427					
S328	0.96	69.53	5.00	2.1670	Chicago_4h
J472					
S33	0.69	50.36	5.00	0.3050	Chicago_4h
J41					
S330	0.79	63.77	5.00	0.1830	Chicago_4h
J525					
S334_1	0.20	22.19	5.00	0.0820	Chicago_4h
J76					
S335	0.90	56.71	5.00	0.4830	Chicago_4h
17316					
S336	0.61	128.30	5.00	0.3930	Chicago_4h
J1259					
S339	0.21	26.92	5.00	0.7310	Chicago_4h
J1331					
S34	0.39	29.74	5.00	0.3330	Chicago_4h
J37					
S340	0.11	46.10	5.00	0.7570	Chicago_4h
J475					
S341	0.43	61.81	5.00	0.7540	Chicago_4h
J1299					
S345	0.41	54.43	5.00	1.3180	Chicago_4h
J451					
S35	0.40	37.73	5.00	0.2180	Chicago_4h
J54					
S350_4	0.90	53.25	5.00	0.6090	Chicago_4h
S67					
S355	0.41	93.73	5.00	0.8730	Chicago_4h
J462					
S357	0.25	32.13	5.00	0.3310	Chicago_4h
J525					
S358_1	0.16	25.50	5.00	1.3020	Chicago_4h
J500					
S36	0.64	32.73	5.00	1.2270	Chicago_4h
J75					
S361	0.47	24.05	5.00	0.2910	Chicago_4h
J508					
S362	0.28	57.30	5.00	0.0210	Chicago_4h
J1331					
S364	0.43	24.84	5.00	0.2000	Chicago_4h
J521					
S365	0.40	21.52	5.00	0.5010	Chicago_4h
J479					
S367	0.22	32.42	5.00	0.2000	Chicago_4h
J521					
S368	0.27	45.45	5.00	2.0220	Chicago_4h
J491					
S369_1	0.35	25.34	5.00	0.0460	Chicago_4h
J500					
S37	0.57	37.57	5.00	0.7060	Chicago_4h
J59					

S372	0.65	41.62	5.00	1.1330	Chicago_4h J1318
S373	0.43	46.64	5.00	1.3850	Chicago_4h J1259
S374	0.28	19.46	5.00	0.2690	Chicago_4h J521
S375	0.25	17.70	5.00	0.6920	Chicago_4h 31735
S378	0.56	29.24	5.00	0.2310	Chicago_4h J500
S38	0.56	43.82	5.00	0.6240	Chicago_4h J66
S380_1	0.02	1.03	76.00	0.3550	Chicago_4h S67
S384	0.83	41.01	5.00	5.1870	Chicago_4h J562
S387	0.37	30.95	5.00	0.2230	Chicago_4h J508
S39	0.49	29.44	5.00	0.1630	Chicago_4h J1225
S391	0.71	66.19	5.00	0.0550	Chicago_4h J1209
S392	0.94	80.12	5.00	0.2450	Chicago_4h J1249
S395	0.60	17.89	5.00	0.0070	Chicago_4h J523
S397	0.48	66.78	5.00	1.1470	Chicago_4h J598
S398	0.60	101.45	5.00	0.7580	Chicago_4h J598
S399	1.42	22.59	5.00	0.2620	Chicago_4h J1233
S4	2.08	160.79	5.00	5.6160	Chicago_4h S758
S40	0.41	41.88	5.00	0.1430	Chicago_4h J52
S403	0.48	97.79	5.00	0.7300	Chicago_4h J1318
S405	0.11	55.66	5.00	1.6290	Chicago_4h J576
S406	0.56	22.88	5.00	0.8010	Chicago_4h J562
S408	0.49	39.78	5.00	1.2860	Chicago_4h J580
S409	0.05	28.16	5.00	0.1780	Chicago_4h J1318
S41	1.05	24.29	5.00	0.4350	Chicago_4h J116
S411	0.57	38.31	5.00	0.5650	Chicago_4h J584
S414_1	0.26	27.51	5.00	0.2420	Chicago_4h J7
S416	0.32	39.98	5.00	0.2960	Chicago_4h J508
S417	0.66	63.34	5.00	0.4020	Chicago_4h J1209
S419	0.76	71.73	5.00	2.7970	Chicago_4h J598
S42	0.70	17.02	5.00	2.9960	Chicago_4h J15

S421	0.71	50.65	5.00	1.3600	Chicago_4h
J633					
S423_1	0.01	0.57	76.00	0.5620	Chicago_4h
S423_3					
S423_3	0.04	3.08	5.00	0.5620	Chicago_4h
J602					
S424	0.65	57.06	5.00	0.1020	Chicago_4h
J616					
S425	0.23	35.04	5.00	0.7860	Chicago_4h
J572					
S426_1	0.01	0.50	76.00	0.2610	Chicago_4h
S426_3					
S426_3	0.10	5.05	5.00	0.2610	Chicago_4h
J602					
S428	0.42	34.89	5.00	0.3030	Chicago_4h
J611					
S429	0.43	70.10	5.00	0.3560	Chicago_4h
J611					
S43	1.16	53.26	5.00	0.9520	Chicago_4h
J66					
S430_1	0.01	1.34	76.00	2.4170	Chicago_4h
S67					
S431	0.44	27.59	5.00	0.9150	Chicago_4h
J598					
S434_1	0.13	12.62	5.00	1.9160	Chicago_4h
J7					
S437	0.65	84.61	5.00	0.0600	Chicago_4h
J584					
S439	0.41	37.53	5.00	0.5500	Chicago_4h
J623					
S44	0.67	45.06	5.00	0.4680	Chicago_4h
J68					
S442	0.54	63.41	5.00	0.2490	Chicago_4h
J652					
S443	0.36	18.02	5.00	0.1700	Chicago_4h
J580					
S445_2	0.31	27.01	5.00	0.4820	Chicago_4h
J6					
S446	0.44	26.67	5.00	0.2710	Chicago_4h
J611					
S447	0.65	49.88	5.00	0.3830	Chicago_4h
J602					
S448	0.36	25.30	5.00	1.4260	Chicago_4h
J646					
S45	0.12	106.36	5.00	0.1380	Chicago_4h
J54					
S453	1.55	71.46	5.00	0.4510	Chicago_4h
J652					
S455	0.66	38.71	5.00	0.1800	Chicago_4h
J1268					
S458	0.65	35.75	5.00	0.5840	Chicago_4h
J598					
S46	0.31	21.33	5.00	0.1480	Chicago_4h
J1210					
S462	0.43	24.02	5.00	0.4110	Chicago_4h
J1268					
S464_5	0.46	30.44	5.00	0.2110	Chicago_4h
J5					
S466	0.26	22.40	5.00	0.4080	Chicago_4h
J652					

S467_1	0.01	0.64	76.00	0.6790	Chicago_4h
S467_2					
S467_2	0.40	42.82	5.00	0.6790	Chicago_4h
J664					
S468	0.56	30.64	5.00	0.2410	Chicago_4h
J652					
S469	0.47	55.53	5.00	0.1340	Chicago_4h
J623					
S47	0.62	36.30	5.00	0.1880	Chicago_4h
J59					
S476	0.47	43.76	5.00	0.5100	Chicago_4h
J658					
S477	0.56	63.77	5.00	0.4850	Chicago_4h
J670					
S478	1.08	67.12	5.00	0.2170	Chicago_4h
J712					
S479	0.32	31.00	5.00	1.1100	Chicago_4h
J710					
S48	0.59	71.23	5.00	0.6840	Chicago_4h
J75					
S481	0.60	27.05	5.00	0.1950	Chicago_4h
J686					
S484	0.58	158.53	5.00	2.3440	Chicago_4h
J1336					
S487	0.46	60.83	5.00	0.7140	Chicago_4h
J650					
S49	0.30	46.87	5.00	0.5050	Chicago_4h
J77					
S492	0.61	32.72	5.00	2.5170	Chicago_4h
J686					
S493	0.87	66.80	5.00	0.5230	Chicago_4h
J646					
S494	0.75	66.85	5.00	1.6750	Chicago_4h
J673					
S496	1.20	47.23	5.00	0.1170	Chicago_4h
J699					
S497	0.33	35.72	5.00	0.6640	Chicago_4h
J644					
S498	0.36	35.79	5.00	0.3380	Chicago_4h
J684					
S499	0.28	20.27	5.00	0.3360	Chicago_4h
J686					
S5	1.62	200.19	5.00	0.2780	Chicago_4h
31294					
S50	0.43	29.77	5.00	0.0800	Chicago_4h
J56					
S503	0.67	30.24	5.00	0.3080	Chicago_4h
J744					
S504_1	0.23	14.45	5.00	0.0140	Chicago_4h
J1253					
S504_2	0.30	19.30	5.00	0.0140	Chicago_4h
Mesure_point					
S505	1.00	77.36	5.00	0.2130	Chicago_4h
J670					
S506	0.60	59.41	5.00	0.2870	Chicago_4h
J748					
S51	0.69	28.25	5.00	0.7750	Chicago_4h
J68					
S510	0.49	12.88	5.00	2.8630	Chicago_4h
31557					

S513	0.69	65.97	5.00	0.2720	Chicago_4h J703
S514_1	0.16	5.85	5.00	0.1590	Chicago_4h 31659
S514_2	0.29	10.64	5.00	0.1590	Chicago_4h 31513
S516	0.38	22.07	5.00	0.6130	Chicago_4h J684
S517	0.63	80.79	5.00	0.9730	Chicago_4h J668
S518	0.36	44.92	5.00	0.1290	Chicago_4h J746
S52	0.45	36.02	5.00	0.3780	Chicago_4h J77
S520	0.34	53.31	5.00	0.2730	Chicago_4h J728
S522	0.22	36.51	5.00	0.2780	Chicago_4h J693
S524	0.65	57.58	5.00	0.2410	Chicago_4h J735
S525	0.73	45.91	5.00	0.3550	Chicago_4h J774
S528	0.40	58.33	5.00	0.0840	Chicago_4h J686
S529	0.79	48.85	5.00	0.5900	Chicago_4h 31630
S53	0.35	48.46	5.00	1.4960	Chicago_4h J1227
S534	0.52	24.54	5.00	0.1780	Chicago_4h J774
S536	1.11	30.22	5.00	0.3290	Chicago_4h J744
S538	0.92	164.44	5.00	1.6270	Chicago_4h J1329
S539	0.80	34.77	5.00	0.1910	Chicago_4h J779
S54	0.55	50.14	5.00	0.6790	Chicago_4h J90
S540	0.58	62.40	5.00	0.0380	Chicago_4h J718
S545	0.42	21.28	5.00	0.1730	Chicago_4h J771
S547	0.65	29.78	5.00	0.4320	Chicago_4h J355
S549	0.56	21.62	5.00	0.2060	Chicago_4h J777
S55	0.41	46.29	5.00	0.1270	Chicago_4h J68
S551	0.23	27.16	5.00	0.6080	Chicago_4h J755
S552	0.34	33.67	5.00	0.2580	Chicago_4h J757
S553	0.53	90.96	5.00	0.0930	Chicago_4h J748
S555	0.78	156.11	5.00	0.1900	Chicago_4h J819
S556	0.42	48.88	5.00	0.0730	Chicago_4h J824
S559	0.47	27.20	5.00	0.1270	Chicago_4h J771

S56	0.62	22.70	5.00	0.5070	Chicago_4h
J109					
S560	0.39	92.23	5.00	0.0100	Chicago_4h
J761					
S562	0.29	50.52	5.00	0.1890	Chicago_4h
J779					
S564	0.49	51.84	5.00	0.2440	Chicago_4h
J803					
S565	0.28	40.85	5.00	1.0490	Chicago_4h
J771					
S566	0.49	51.47	5.00	0.1060	Chicago_4h
J757					
S57	0.29	40.88	5.00	0.5720	Chicago_4h
J1300					
S570	1.11	54.32	5.00	0.1140	Chicago_4h
J807					
S571	1.82	44.33	5.00	0.1050	Chicago_4h
J821					
S572	0.37	42.00	5.00	0.3900	Chicago_4h
J795					
S573	0.45	45.65	5.00	0.1320	Chicago_4h
J795					
S575	0.51	29.01	5.00	0.1910	Chicago_4h
J777					
S579	0.72	36.43	5.00	0.2550	Chicago_4h
J837					
S58	0.38	51.30	5.00	1.9440	Chicago_4h
J92					
S581	0.69	38.29	5.00	1.4760	Chicago_4h
J869					
S582	0.60	19.61	5.00	0.1630	Chicago_4h
S608					
S584	1.03	77.92	5.00	0.7100	Chicago_4h
J832					
S585	0.47	19.24	5.00	0.0070	Chicago_4h
J834					
S587	0.27	37.92	5.00	1.6630	Chicago_4h
J1292					
S589	0.77	58.49	5.00	0.0830	Chicago_4h
J771					
S59	0.41	28.95	5.00	0.2850	Chicago_4h
J84					
S590	0.26	21.77	5.00	0.1860	Chicago_4h
J803					
S591	0.33	22.16	5.00	0.1340	Chicago_4h
J795					
S594	0.74	44.78	5.00	0.0790	Chicago_4h
J834					
S598	0.44	24.62	5.00	0.1070	Chicago_4h
J821					
S599	0.29	17.52	5.00	0.0510	Chicago_4h
J803					
S6	0.49	14.99	5.00	0.8560	Chicago_4h
J15					
S60	0.77	67.67	5.00	0.6320	Chicago_4h
J61					
S601	0.86	62.40	5.00	0.5020	Chicago_4h
S641					
S603	0.51	78.81	5.00	0.0890	Chicago_4h
J803					

S604	0.95	35.46	5.00	0.1680	Chicago_4h
J832					
S605	0.45	45.63	5.00	0.1240	Chicago_4h
J841					
S607	0.63	25.90	5.00	0.0720	Chicago_4h
J1275					
S608	0.34	40.01	5.00	0.2060	Chicago_4h
J1348					
S609	0.47	118.24	5.00	0.0530	Chicago_4h
J837					
S61	1.18	43.32	5.00	0.3710	Chicago_4h
J82					
S610	0.34	25.92	5.00	1.0410	Chicago_4h
J858					
S611	0.44	32.27	5.00	1.4090	Chicago_4h
J858					
S612	0.51	55.61	5.00	0.2510	Chicago_4h
J848					
S613	0.51	41.61	5.00	0.1240	Chicago_4h
J841					
S617	0.35	26.68	5.00	1.9940	Chicago_4h
S658					
S619	0.19	25.14	5.00	0.6370	Chicago_4h
J858					
S62	0.85	34.65	5.00	0.4530	Chicago_4h
J88					
S620	0.38	44.15	5.00	1.5300	Chicago_4h
J878					
S621	0.31	28.00	5.00	0.4930	Chicago_4h
J891					
S623	0.40	18.48	5.00	0.4870	Chicago_4h
J861					
S625	0.19	27.76	5.00	1.2190	Chicago_4h
J893					
S627	0.40	137.88	5.00	0.0040	Chicago_4h
J925					
S628	0.66	115.59	5.00	0.1410	Chicago_4h
J856					
S629	0.40	40.58	5.00	0.0870	Chicago_4h
J869					
S63	0.58	37.90	5.00	0.7960	Chicago_4h
J100					
S631	0.43	27.69	5.00	0.2410	Chicago_4h
J837					
S634	0.54	37.24	5.00	0.4060	Chicago_4h
J1334					
S635	0.30	53.73	5.00	0.6700	Chicago_4h
J821					
S636	0.24	35.31	5.00	0.3880	Chicago_4h
J886					
S638	0.64	26.96	5.00	1.8290	Chicago_4h
J861					
S639	0.45	58.41	5.00	0.1370	Chicago_4h
J861					
S64	0.35	46.47	5.00	0.0670	Chicago_4h
J1231					
S640	0.94	60.65	5.00	0.1810	Chicago_4h
J1320					
S641	0.32	42.57	5.00	0.0200	Chicago_4h
J1257					

S642	0.49	41.29	5.00	0.5790	Chicago_4h
J893					
S643	0.39	44.13	5.00	0.2710	Chicago_4h
31499					
S644	0.79	63.04	5.00	0.1960	Chicago_4h
J934					
S647	0.66	54.93	5.00	0.2680	Chicago_4h
J900					
S648	0.27	24.94	5.00	0.7600	Chicago_4h
J1308					
S65	1.36	57.33	5.00	0.4840	Chicago_4h
J95					
S651	0.48	34.75	5.00	0.8850	Chicago_4h
J1308					
S652	0.31	14.88	5.00	0.3010	Chicago_4h
J900					
S653	0.45	46.53	5.00	0.1480	Chicago_4h
J923					
S654	0.45	21.68	5.00	0.0820	Chicago_4h
J1354					
S655	0.57	27.28	5.00	0.2480	Chicago_4h
J1257					
S658	0.75	42.70	5.00	0.5340	Chicago_4h
J1334					
S66	0.76	56.61	5.00	0.6060	Chicago_4h
J1324					
S660	0.58	116.28	5.00	0.1340	Chicago_4h
J960					
S663	0.70	39.98	5.00	0.1000	Chicago_4h
31266					
S665	0.21	22.74	5.00	0.4470	Chicago_4h
31478					
S667	0.51	22.55	5.00	0.6880	Chicago_4h
J895					
S668	0.53	35.59	5.00	0.1050	Chicago_4h
31347					
S67	1.14	86.55	5.00	1.0460	Chicago_4h
J596					
S670	0.50	77.01	5.00	0.3700	Chicago_4h
J1269					
S671	0.59	47.63	5.00	0.1940	Chicago_4h
31248					
S672	0.86	59.41	5.00	1.0190	Chicago_4h
J940					
S673	0.83	58.18	5.00	0.1470	Chicago_4h
J927					
S678	1.36	49.22	5.00	0.7170	Chicago_4h
J951					
S679	0.30	24.74	5.00	0.8090	Chicago_4h
31256					
S68	0.37	34.04	5.00	0.3990	Chicago_4h
J84					
S681	0.70	46.80	5.00	0.1980	Chicago_4h
J91					
S682_1	0.21	38.29	5.00	2.0310	Chicago_4h
J964					
S682_2	0.16	30.40	5.00	2.0310	Chicago_4h
J58					
S684	0.50	22.23	5.00	0.2040	Chicago_4h
J91					

S686	0.40	33.77	5.00	0.1340	Chicago_4h
J89					
S688	0.70	81.64	5.00	0.3270	Chicago_4h
J1278					
S689	0.45	45.80	5.00	0.1490	Chicago_4h
31376					
S69	0.73	65.27	5.00	0.4390	Chicago_4h
J126					
S693	0.64	26.77	5.00	0.3560	Chicago_4h
J895					
S694	0.56	37.20	5.00	0.2000	Chicago_4h
J940					
S696	0.61	45.59	5.00	2.1940	Chicago_4h
J1262					
S697	0.37	14.17	5.00	0.7070	Chicago_4h
J940					
S699	0.62	16.85	5.00	10.6170	Chicago_4h
J929					
S7	1.52	51.08	5.00	0.9010	Chicago_4h
J20					
S70	0.26	41.19	5.00	0.1380	Chicago_4h
J84					
S701	0.35	13.21	5.00	0.7400	Chicago_4h
J940					
S704	0.40	27.16	5.00	0.3620	Chicago_4h
J983					
S705_2	0.75	33.34	5.00	12.1130	Chicago_4h
S3					
S71	0.63	25.07	5.00	0.4700	Chicago_4h
J90					
S713	0.19	25.80	5.00	0.5100	Chicago_4h
31266					
S716	0.58	32.79	5.00	1.1630	Chicago_4h
J1006					
S718	0.23	54.03	5.00	0.2610	Chicago_4h
J998					
S719	0.58	102.24	5.00	0.2180	Chicago_4h
31282					
S72	0.69	43.06	5.00	0.3730	Chicago_4h
J102					
S727	0.64	36.34	5.00	0.5700	Chicago_4h
J1006					
S729	0.89	39.13	5.00	0.3260	Chicago_4h
J1010					
S73	1.33	60.00	5.00	0.7730	Chicago_4h
30433					
S735	0.49	53.96	5.00	0.1240	Chicago_4h
J1281					
S739	0.89	81.95	5.00	0.2460	Chicago_4h
J1330					
S74	0.51	55.93	5.00	0.9320	Chicago_4h
J92					
S745	0.27	61.98	5.00	0.0740	Chicago_4h
J1272					
S748	0.48	31.95	5.00	0.4250	Chicago_4h
J1032					
S75	2.13	145.08	5.00	84.2560	Chicago_4h
30405					
S750	0.54	36.25	5.00	0.1560	Chicago_4h
J1065					

S755	0.06	27.26	5.00	0.0540	Chicago_4h J1060
S756	1.10	36.79	5.00	0.3240	Chicago_4h 31158
S758	0.36	50.90	5.00	0.1010	Chicago_4h 31010
S76	0.21	35.04	5.00	0.2960	Chicago_4h J86
S762	0.53	30.85	5.00	0.0660	Chicago_4h J1065
S764	0.25	52.78	5.00	0.0240	Chicago_4h J1036
S765_2	0.06	20.27	5.00	3.1850	Chicago_4h J1272
S765_4	0.37	127.84	5.00	3.1850	Chicago_4h J1272
S767	0.25	20.84	5.00	0.2210	Chicago_4h J951
S768	0.54	34.81	5.00	0.7220	Chicago_4h J1052
S769	0.39	58.03	5.00	0.2960	Chicago_4h J1325
S77	0.20	12.26	5.00	7.4430	Chicago_4h J109
S772	0.76	27.99	5.00	0.1850	Chicago_4h J1100
S774	0.26	16.35	5.00	0.2170	Chicago_4h J1102
S776	0.38	33.45	5.00	0.9970	Chicago_4h J1114
S777	0.50	195.41	5.00	0.4410	Chicago_4h J1223
S78	1.15	68.18	5.00	0.4190	Chicago_4h J112
S780	0.36	35.05	5.00	0.2100	Chicago_4h J1110
S782	0.26	18.37	5.00	0.2020	Chicago_4h J1100
S785	0.34	45.14	5.00	0.4030	Chicago_4h 30919
S788	0.40	35.62	5.00	0.1000	Chicago_4h J1110
S789	0.46	32.96	5.00	0.1920	Chicago_4h J1211
S79	0.51	59.05	5.00	0.0160	Chicago_4h J1344
S793	0.37	18.44	5.00	0.4880	Chicago_4h 30846
S795	0.38	43.25	5.00	0.1340	Chicago_4h J1114
S796_1	0.14	32.70	5.00	1.1690	Chicago_4h 30961
S796_2	0.30	70.27	5.00	1.1690	Chicago_4h 30947
S799	0.91	102.87	5.00	0.1310	Chicago_4h J1133
S8	0.51	36.68	5.00	1.3650	Chicago_4h J20
S80	0.54	47.88	5.00	0.4040	Chicago_4h J1317

S800	0.38	25.70	5.00	0.7200	Chicago_4h
30846					
S801	0.92	48.10	5.00	0.0990	Chicago_4h
J1296					
S802	0.71	34.63	5.00	0.1270	Chicago_4h
J1114					
S804	0.26	35.42	5.00	0.6830	Chicago_4h
30874					
S807	0.57	53.81	5.00	0.4460	Chicago_4h
J36					
S808	0.97	72.32	5.00	0.1140	Chicago_4h
J1165					
S809	0.22	71.62	5.00	0.0610	Chicago_4h
J1142					
S81	1.18	103.06	5.00	0.8680	Chicago_4h
J1272					
S810	0.30	31.16	5.00	0.2110	Chicago_4h
J1133					
S815	0.58	31.62	5.00	0.1130	Chicago_4h
J1165					
S817	0.67	63.74	5.00	0.0990	Chicago_4h
J1146					
S819	0.77	165.85	5.00	0.1560	Chicago_4h
J1158					
S82	0.55	120.70	5.00	1.5610	Chicago_4h
J167					
S823	0.48	22.77	5.00	0.3490	Chicago_4h
J1142					
S824	0.30	48.09	5.00	0.0310	Chicago_4h
J1148					
S826	0.40	18.19	5.00	0.2600	Chicago_4h
S845					
S827	0.39	20.41	5.00	0.1930	Chicago_4h
J1161					
S83	1.80	163.32	5.00	1.1200	Chicago_4h
30821					
S830	0.60	37.70	5.00	0.1050	Chicago_4h
30562					
S834	0.86	32.03	5.00	0.1890	Chicago_4h
J1230					
S835	0.60	60.14	5.00	0.1470	Chicago_4h
J1161					
S836	0.73	56.95	5.00	0.0740	Chicago_4h
30534					
S838	0.31	26.58	5.00	2.0940	Chicago_4h
30654					
S84	0.81	68.86	5.00	0.3020	Chicago_4h
J1231					
S840	0.53	19.25	5.00	0.2020	Chicago_4h
30513					
S843	0.41	49.39	5.00	0.1440	Chicago_4h
J1180					
S844	0.46	187.51	5.00	0.6900	Chicago_4h
30475					
S845	0.31	34.96	5.00	0.0760	Chicago_4h
30562					
S846	0.51	18.69	5.00	1.4350	Chicago_4h
S849					
S847	0.33	30.83	5.00	2.2190	Chicago_4h
30612					

S849	0.61	34.38	5.00	0.6680	Chicago_4h	S856
S85	0.26	26.93	5.00	0.2590	Chicago_4h	16677
S854	0.39	46.47	5.00	0.1160	Chicago_4h	30534
S855	0.31	15.49	5.00	0.3100	Chicago_4h	30327
S856	0.65	98.27	5.00	0.0220	Chicago_4h	30371
S857	0.42	62.63	5.00	0.3810	Chicago_4h	30418
S858	0.31	36.51	5.00	0.6560	Chicago_4h	30354
S859	0.04	12.11	5.00	0.6260	Chicago_4h	30327
S86	0.56	24.26	5.00	2.2080	Chicago_4h	J138
S87	1.70	82.00	5.00	0.6410	Chicago_4h	S796_1
S88	0.69	62.35	5.00	11.4780	Chicago_4h	J50
S89	0.63	44.94	5.00	0.5500	Chicago_4h	J138
S892_1	0.02	1.36	76.00	50.0000	Chicago_4h	J7
S892_2	0.49	35.69	100.00	3.9070	Chicago_4h	J12
S893_1	0.03	1.83	76.00	50.0000	Chicago_4h	J7
S893_2	0.59	42.68	100.00	4.1860	Chicago_4h	J69
S894_1	0.06	5.23	76.00	50.0000	Chicago_4h	J53
S894_3	0.18	14.57	100.00	3.7780	Chicago_4h	J16
S895_4	0.01	28.00	5.00	5.0060	Chicago_4h	J10
S896_1	0.02	1.08	76.00	50.0000	Chicago_4h	J8
S896_2	0.42	29.55	100.00	4.9770	Chicago_4h	J21
S897_2	0.37	25.12	100.00	4.5160	Chicago_4h	J22
S897_3	0.01	0.76	76.00	50.0000	Chicago_4h	J8
S898	0.04	181.50	100.00	7.1700	Chicago_4h	J22
S899	0.02	2.00	76.00	4.7010	Chicago_4h	S908_3
S9	0.50	61.26	5.00	0.4600	Chicago_4h	J20
S90	0.28	20.40	5.00	0.3130	Chicago_4h	J6
S900	0.11	18.00	76.00	6.7640	Chicago_4h	J22
S901_2	0.41	27.94	100.00	5.0940	Chicago_4h	J24
S902	0.14	22.79	76.00	7.6190	Chicago_4h	J25

S903	0.17	26.95	76.00	6.9180	Chicago_4h
J24					
S904_3	0.28	19.05	100.00	5.3350	Chicago_4h
J25					
S904_4	0.05	3.72	76.00	50.0000	Chicago_4h
S350_4					
S905_2	0.05	8.12	100.00	1.0000	Chicago_4h
Bassin					
S905_3	0.02	2.90	76.00	1.0000	Chicago_4h
S94					
S905_5	0.01	1.39	76.00	1.0000	Chicago_4h
S467_2					
S908_3	0.02	24.30	100.00	1.0000	Chicago_4h
Bassin					
S91	0.41	45.63	5.00	0.4610	Chicago_4h
J1273					
S910_2	0.20	246.62	76.00	0.5000	Chicago_4h
J27					
S911_2	0.16	199.50	76.00	0.5000	Chicago_4h
J29					
S912_3	0.13	162.88	76.00	0.5000	Chicago_4h
J31					
S915_2	0.17	208.62	76.00	0.5000	Chicago_4h
J26					
S916_2	0.21	259.00	76.00	0.5000	Chicago_4h
J67					
S92	0.85	30.67	5.00	0.2640	Chicago_4h
J112					
S93	0.12	14.87	5.00	0.1170	Chicago_4h
J18					
S94	0.20	25.02	5.00	0.1580	Chicago_4h
J18					
S95	1.07	113.50	5.00	0.7160	Chicago_4h
J1240					
S96	0.44	48.77	5.00	0.5290	Chicago_4h
J116					
S97	0.34	75.41	5.00	0.0640	Chicago_4h
J114					
S98	0.02	8.46	76.00	1.0000	Chicago_4h
S93					
S99	0.63	27.75	5.00	1.1760	Chicago_4h
J126					

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Node Summary
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Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
15017	JUNCTION	95.41	1.90	0.0	
15023	JUNCTION	95.44	1.90	0.0	
15115	JUNCTION	96.02	1.68	0.0	
15161	JUNCTION	95.41	1.00	0.0	
15169	JUNCTION	95.50	1.92	0.0	
15183	JUNCTION	95.41	1.75	0.0	
15526	JUNCTION	95.38	1.64	0.0	
15536	JUNCTION	95.28	1.00	0.0	
16468	JUNCTION	96.22	1.61	0.0	

16472	JUNCTION	96.77	0.00	0.0
16496	JUNCTION	96.27	1.61	0.0
16553	JUNCTION	96.37	1.59	0.0
16555	JUNCTION	96.79	0.00	0.0
16576	JUNCTION	96.48	0.82	0.0
16611	JUNCTION	96.40	0.87	0.0
16639	JUNCTION	96.17	0.77	0.0
16641	JUNCTION	96.41	0.00	0.0
16677	JUNCTION	95.91	0.90	0.0
16797	JUNCTION	96.59	0.65	0.0
16799	JUNCTION	97.10	0.00	0.0
16815	JUNCTION	96.69	0.47	0.0
16874	JUNCTION	96.94	0.47	0.0
16876	JUNCTION	97.44	0.00	0.0
16902	JUNCTION	97.02	1.79	0.0
17000	JUNCTION	97.23	1.79	0.0
17050	JUNCTION	97.31	1.12	0.0
17077	JUNCTION	97.47	0.93	0.0
17111	JUNCTION	97.14	1.22	0.0
17114	JUNCTION	98.13	0.00	0.0
17125	JUNCTION	97.51	1.70	0.0
17181	JUNCTION	97.98	1.56	0.0
17189	JUNCTION	97.80	1.70	0.0
17196	JUNCTION	98.42	0.00	0.0
17316	JUNCTION	94.85	1.65	0.0
30259	JUNCTION	92.12	1.05	0.0
30277	JUNCTION	92.46	0.83	0.0
30280	JUNCTION	92.51	1.07	0.0
30327	JUNCTION	92.66	1.07	0.0
30340	JUNCTION	92.71	0.81	0.0
30354	JUNCTION	92.66	0.75	0.0
30371	JUNCTION	92.71	0.73	0.0
30384	JUNCTION	92.74	0.75	0.0
30405	JUNCTION	92.79	1.12	0.0
30418	JUNCTION	92.72	1.12	0.0
30433	JUNCTION	92.82	1.03	0.0
30475	JUNCTION	92.86	1.00	0.0
30476	JUNCTION	92.85	0.98	0.0
30513	JUNCTION	93.04	0.98	0.0
30534	JUNCTION	93.08	0.82	0.0
30562	JUNCTION	93.15	0.82	0.0
30584	JUNCTION	93.15	0.89	0.0
30612	JUNCTION	93.29	0.53	0.0
30626	JUNCTION	93.30	0.56	0.0
30654	JUNCTION	93.32	0.56	0.0
30690	JUNCTION	93.24	0.53	0.0
30703	JUNCTION	92.99	0.71	0.0
30723	JUNCTION	92.98	1.00	0.0
30741	JUNCTION	92.92	1.08	0.0
30776	JUNCTION	92.69	1.07	0.0
30790	JUNCTION	93.04	1.00	0.0
30821	JUNCTION	93.18	0.53	0.0
30846	JUNCTION	93.51	0.68	0.0
30874	JUNCTION	94.14	0.73	0.0
30901	JUNCTION	95.23	0.73	0.0
30919	JUNCTION	95.11	0.53	0.0
30933	JUNCTION	94.49	0.92	0.0

30947	JUNCTION	93.84	1.13	0.0
30961	JUNCTION	93.78	1.13	0.0
30982	JUNCTION	93.91	1.11	0.0
30996	JUNCTION	93.91	1.20	0.0
31010	JUNCTION	93.81	1.20	0.0
31024	JUNCTION	93.84	1.12	0.0
31055	JUNCTION	93.35	1.02	0.0
31056	JUNCTION	94.36	0.00	0.0
31133	JUNCTION	93.56	0.94	0.0
31143	JUNCTION	93.59	0.94	0.0
31158	JUNCTION	93.46	0.98	0.0
31164	JUNCTION	93.56	1.00	0.0
31168	JUNCTION	93.65	1.02	0.0
31233	JUNCTION	93.56	0.52	0.0
31240	JUNCTION	93.66	0.49	0.0
31248	JUNCTION	93.58	0.49	0.0
31256	JUNCTION	93.60	0.50	0.0
31266	JUNCTION	93.64	0.50	0.0
31274	JUNCTION	93.53	0.50	0.0
31282	JUNCTION	93.51	0.50	0.0
31294	JUNCTION	93.58	0.92	0.0
31330	JUNCTION	93.34	1.00	0.0
31332	JUNCTION	94.31	0.00	0.0
31346	JUNCTION	93.70	0.84	0.0
31347	JUNCTION	93.86	0.84	0.0
31349	JUNCTION	93.82	0.72	0.0
31361	JUNCTION	93.63	0.68	0.0
31376	JUNCTION	93.63	0.82	0.0
31385	JUNCTION	93.69	1.04	0.0
31401	JUNCTION	93.73	1.05	0.0
31415	JUNCTION	93.89	1.05	0.0
31422	JUNCTION	93.71	0.50	0.0
31436	JUNCTION	93.78	0.50	0.0
31443	JUNCTION	93.73	0.84	0.0
31457	JUNCTION	93.84	1.09	0.0
31464	JUNCTION	93.75	1.09	0.0
31478	JUNCTION	93.64	1.09	0.0
31485	JUNCTION	93.71	1.05	0.0
31499	JUNCTION	93.63	1.16	0.0
31513	JUNCTION	93.62	1.16	0.0
31527	JUNCTION	93.61	1.15	0.0
31541	JUNCTION	93.64	1.22	0.0
31557	JUNCTION	93.50	1.23	0.0
31572	JUNCTION	93.15	1.27	0.0
31583	JUNCTION	92.97	0.00	0.0
31584	JUNCTION	93.53	0.00	0.0
31602	JUNCTION	93.47	1.27	0.0
31616	JUNCTION	93.57	1.24	0.0
31630	JUNCTION	93.55	1.24	0.0
31644	JUNCTION	93.52	1.36	0.0
31659	JUNCTION	92.82	1.67	0.0
31679	JUNCTION	93.24	1.67	0.0
31692	JUNCTION	93.17	1.58	0.0
31717	JUNCTION	93.20	1.59	0.0
31727	JUNCTION	94.43	1.28	0.0
31735	JUNCTION	94.54	1.46	0.0
33074	JUNCTION	94.51	1.28	0.0

33088	JUNCTION	94.16	1.19	0.0
33102	JUNCTION	94.13	1.19	0.0
33116	JUNCTION	94.05	0.41	0.0
33130	JUNCTION	93.93	1.11	0.0
33147	JUNCTION	93.68	1.18	0.0
33161	JUNCTION	93.57	1.26	0.0
35248	JUNCTION	96.08	1.68	0.0
35262	JUNCTION	96.12	1.59	0.0
J10	JUNCTION	95.77	1.28	0.0
J100	JUNCTION	98.38	0.26	0.0
J1002	JUNCTION	94.17	0.50	0.0
J1006	JUNCTION	94.04	0.26	0.0
J1010	JUNCTION	93.71	0.81	0.0
J102	JUNCTION	98.26	0.39	0.0
J1032	JUNCTION	93.86	0.50	0.0
J1036	JUNCTION	93.52	0.50	0.0
J1052	JUNCTION	93.88	0.13	0.0
J1060	JUNCTION	93.80	0.50	0.0
J1065	JUNCTION	93.73	0.17	0.0
J109	JUNCTION	98.35	0.22	0.0
J1094	JUNCTION	93.76	0.50	0.0
J11	JUNCTION	95.67	1.01	0.0
J1100	JUNCTION	93.57	0.50	0.0
J1102	JUNCTION	93.65	0.50	0.0
J1110	JUNCTION	93.61	0.15	0.0
J1114	JUNCTION	93.58	0.50	0.0
J112	JUNCTION	97.54	0.20	0.0
J1133	JUNCTION	93.52	0.50	0.0
J114	JUNCTION	97.65	0.22	0.0
J1142	JUNCTION	93.47	0.19	0.0
J1146	JUNCTION	93.39	0.50	0.0
J1148	JUNCTION	93.37	0.25	0.0
J1158	JUNCTION	93.36	0.50	0.0
J116	JUNCTION	96.45	0.43	0.0
J1161	JUNCTION	93.34	0.16	0.0
J1163	JUNCTION	93.39	0.50	0.0
J1165	JUNCTION	93.41	0.50	0.0
J1180	JUNCTION	93.27	0.78	0.0
J12	JUNCTION	95.82	1.20	0.0
J12_1	JUNCTION	96.33	1.59	0.0
J1209	JUNCTION	94.68	0.43	0.0
J1210	JUNCTION	97.38	0.50	0.0
J1211	JUNCTION	93.51	0.50	0.0
J1213	JUNCTION	94.80	0.50	0.0
J1216	JUNCTION	96.65	0.27	0.0
J1219	JUNCTION	96.19	0.43	0.0
J1222	JUNCTION	95.98	0.31	0.0
J1223	JUNCTION	93.39	1.52	0.0
J1225	JUNCTION	98.24	2.72	0.0
J1227	JUNCTION	98.50	0.90	0.0
J1229	JUNCTION	97.19	0.50	0.0
J1230	JUNCTION	93.37	0.50	0.0
J1231	JUNCTION	97.44	1.00	0.0
J1232	JUNCTION	96.81	0.50	0.0
J1233	JUNCTION	93.00	1.59	0.0
J1239	JUNCTION	93.83	0.50	0.0
J124	JUNCTION	97.67	0.11	0.0

J1240	JUNCTION	94.71	1.00	0.0
J1241	JUNCTION	95.18	0.50	0.0
J1245	JUNCTION	94.83	0.50	0.0
J1246	JUNCTION	96.30	0.50	0.0
J1249	JUNCTION	94.80	0.43	0.0
J1253	JUNCTION	94.90	0.50	0.0
J1254	JUNCTION	96.74	0.50	0.0
J1257	JUNCTION	94.21	0.18	0.0
J1258	JUNCTION	96.16	0.50	0.0
J1259	JUNCTION	95.54	1.04	0.0
J126	JUNCTION	97.31	1.00	0.0
J1260	JUNCTION	95.53	0.50	0.0
J1262	JUNCTION	93.84	0.46	0.0
J1268	JUNCTION	95.20	1.00	0.0
J1269	JUNCTION	94.51	0.50	0.0
J1270	JUNCTION	94.97	0.50	0.0
J1272	JUNCTION	93.67	0.50	0.0
J1273	JUNCTION	96.83	1.00	0.0
J1275	JUNCTION	94.32	0.50	0.0
J1276	JUNCTION	93.78	0.25	0.0
J1277	JUNCTION	97.18	0.35	0.0
J1278	JUNCTION	94.07	0.36	0.0
J1279	JUNCTION	97.46	0.50	0.0
J1280	JUNCTION	97.25	0.50	0.0
J1281	JUNCTION	94.00	0.50	0.0
J1292	JUNCTION	94.85	0.50	0.0
J1294	JUNCTION	97.02	0.50	0.0
J1296	JUNCTION	93.48	0.25	0.0
J1299	JUNCTION	95.14	0.52	0.0
J13	JUNCTION	98.24	0.50	0.0
J1300	JUNCTION	97.17	0.36	0.0
J1301	JUNCTION	95.61	1.00	0.0
J1306	JUNCTION	97.52	0.50	0.0
J1308	JUNCTION	94.81	0.50	0.0
J1314	JUNCTION	95.84	0.50	0.0
J1317	JUNCTION	94.52	0.50	0.0
J1318	JUNCTION	95.36	1.45	0.0
J1320	JUNCTION	94.14	0.50	0.0
J1322	JUNCTION	93.95	0.21	0.0
J1324	JUNCTION	97.55	0.50	0.0
J1325	JUNCTION	93.69	0.50	0.0
J1329	JUNCTION	94.58	0.50	0.0
J1330	JUNCTION	93.53	0.50	0.0
J1331	JUNCTION	94.60	0.82	0.0
J1332	JUNCTION	95.82	0.51	0.0
J1334	JUNCTION	94.49	1.21	0.0
J1335	JUNCTION	93.14	0.78	0.0
J1336	JUNCTION	94.41	0.50	0.0
J1338	JUNCTION	97.08	0.59	0.0
J1344	JUNCTION	96.74	1.00	0.0
J1348	JUNCTION	94.43	0.30	0.0
J135	JUNCTION	97.17	0.18	0.0
J1352	JUNCTION	93.18	1.85	0.0
J1354	JUNCTION	93.90	0.50	0.0
J1355	JUNCTION	94.55	1.21	0.0
J138	JUNCTION	98.46	0.24	0.0
J14	JUNCTION	95.92	1.13	0.0

J140	JUNCTION	98.30	0.50	0.0
J142	JUNCTION	96.65	0.15	0.0
J15	JUNCTION	96.35	0.86	0.0
J153	JUNCTION	97.06	0.50	0.0
J159	JUNCTION	96.79	0.50	0.0
J16	JUNCTION	96.09	1.00	0.0
J161	JUNCTION	97.74	0.50	0.0
J165	JUNCTION	96.54	0.20	0.0
J167	JUNCTION	97.51	0.28	0.0
J169	JUNCTION	96.99	0.50	0.0
J17	JUNCTION	98.17	1.03	0.0
J172	JUNCTION	96.75	0.27	0.0
J18	JUNCTION	95.15	0.50	0.0
J199	JUNCTION	97.55	0.50	0.0
J2	JUNCTION	93.89	1.86	0.0
J20	JUNCTION	98.22	0.50	0.0
J205	JUNCTION	97.00	0.50	0.0
J209	JUNCTION	96.33	0.50	0.0
J21	JUNCTION	95.80	1.25	0.0
J217	JUNCTION	97.24	0.50	0.0
J219	JUNCTION	97.39	0.50	0.0
J22	JUNCTION	95.88	1.21	0.0
J221	JUNCTION	95.05	1.17	0.0
J225	JUNCTION	97.23	0.50	0.0
J227	JUNCTION	96.36	0.50	0.0
J229	JUNCTION	96.39	0.25	0.0
J23	JUNCTION	98.11	1.51	0.0
J232	JUNCTION	96.46	0.09	0.0
J24	JUNCTION	95.98	1.05	0.0
J241	JUNCTION	96.38	0.70	0.0
J25	JUNCTION	96.08	1.42	0.0
J254	JUNCTION	97.10	0.50	0.0
J26	JUNCTION	97.28	0.85	0.0
J27	JUNCTION	96.64	0.90	0.0
J273	JUNCTION	97.13	0.29	0.0
J275	JUNCTION	96.17	0.31	0.0
J28	JUNCTION	98.20	1.75	0.0
J281	JUNCTION	96.28	0.23	0.0
J283	JUNCTION	96.12	0.50	0.0
J29	JUNCTION	96.37	0.95	0.0
J294	JUNCTION	96.19	0.50	0.0
J299	JUNCTION	96.08	0.15	0.0
J3	JUNCTION	93.41	1.59	0.0
J30	JUNCTION	97.63	0.31	0.0
J304	JUNCTION	95.97	0.50	0.0
J307	JUNCTION	96.81	0.27	0.0
J309	JUNCTION	96.37	0.36	0.0
J31	JUNCTION	96.12	1.00	0.0
J319	JUNCTION	95.88	0.50	0.0
J32	JUNCTION	98.17	2.72	0.0
J329	JUNCTION	95.17	0.50	0.0
J33	JUNCTION	97.46	0.75	0.0
J331	JUNCTION	96.58	0.50	0.0
J339	JUNCTION	96.44	0.50	0.0
J34	JUNCTION	95.91	1.00	0.0
J344	JUNCTION	95.58	0.50	0.0
J348	JUNCTION	96.56	0.50	0.0

J35	JUNCTION	98.04	2.25	0.0
J352	JUNCTION	96.35	0.46	0.0
J355	JUNCTION	94.44	1.59	0.0
J36	JUNCTION	93.42	0.45	0.0
J360	JUNCTION	95.91	0.22	0.0
J362	JUNCTION	96.28	0.16	0.0
J37	JUNCTION	98.92	0.90	0.0
J372	JUNCTION	96.58	0.39	0.0
J382	JUNCTION	96.31	0.50	0.0
J384	JUNCTION	94.86	0.50	0.0
J388	JUNCTION	96.19	0.46	0.0
J39	JUNCTION	97.78	0.50	0.0
J392	JUNCTION	95.34	0.25	0.0
J394	JUNCTION	95.14	0.50	0.0
J396	JUNCTION	95.00	0.50	0.0
J398	JUNCTION	95.71	0.54	0.0
J4	JUNCTION	95.42	0.58	0.0
J40	JUNCTION	97.82	0.75	0.0
J403	JUNCTION	95.60	0.50	0.0
J41	JUNCTION	98.10	0.50	0.0
J419	JUNCTION	95.89	0.50	0.0
J427	JUNCTION	95.93	0.25	0.0
J43	JUNCTION	97.98	0.50	0.0
J433	JUNCTION	95.70	0.92	0.0
J44	JUNCTION	95.80	1.00	0.0
J443	JUNCTION	95.65	1.00	0.0
J447	JUNCTION	95.40	0.50	0.0
J449	JUNCTION	94.74	0.48	0.0
J451	JUNCTION	95.25	0.53	0.0
J453	JUNCTION	94.81	0.38	0.0
J455	JUNCTION	95.56	1.08	0.0
J458	JUNCTION	95.50	0.50	0.0
J46	JUNCTION	95.66	2.34	0.0
J462	JUNCTION	94.57	1.21	0.0
J467	JUNCTION	95.27	0.41	0.0
J47	JUNCTION	95.75	2.25	0.0
J472	JUNCTION	95.27	0.34	0.0
J475	JUNCTION	95.16	0.53	0.0
J479	JUNCTION	94.61	0.67	0.0
J48	JUNCTION	97.44	0.34	0.0
J491	JUNCTION	94.61	1.22	0.0
J5	JUNCTION	94.99	0.65	0.0
J50	JUNCTION	94.70	0.67	0.0
J500	JUNCTION	95.47	0.72	0.0
J508	JUNCTION	95.26	0.15	0.0
J51	JUNCTION	95.58	1.01	0.0
J52	JUNCTION	98.60	0.22	0.0
J521	JUNCTION	95.31	0.50	0.0
J523	JUNCTION	94.43	1.22	0.0
J525	JUNCTION	95.40	1.00	0.0
J53	JUNCTION	95.08	0.92	0.0
J537	JUNCTION	95.32	0.50	0.0
J54	JUNCTION	97.36	0.50	0.0
J55	JUNCTION	95.01	1.17	0.0
J56	JUNCTION	97.39	0.33	0.0
J562	JUNCTION	94.57	0.81	0.0
J57	JUNCTION	95.59	2.41	0.0

J572	JUNCTION	95.25	0.29	0.0
J576	JUNCTION	95.06	0.50	0.0
J58	JUNCTION	93.51	1.00	0.0
J580	JUNCTION	94.50	0.67	0.0
J584	JUNCTION	95.27	1.00	0.0
J59	JUNCTION	98.89	0.12	0.0
J596	JUNCTION	95.27	0.41	0.0
J598	JUNCTION	93.92	1.14	0.0
J6	JUNCTION	95.11	0.50	0.0
J60	JUNCTION	95.43	1.97	0.0
J602	JUNCTION	95.22	0.46	0.0
J61	JUNCTION	98.62	0.26	0.0
J611	JUNCTION	95.13	0.41	0.0
J616	JUNCTION	94.85	0.50	0.0
J62	JUNCTION	97.57	0.75	0.0
J623	JUNCTION	95.03	0.50	0.0
J63	JUNCTION	97.36	0.50	0.0
J633	JUNCTION	93.64	1.74	0.0
J64	JUNCTION	97.74	1.26	0.0
J644	JUNCTION	94.98	0.50	0.0
J646	JUNCTION	94.99	0.50	0.0
J65	JUNCTION	97.78	1.22	0.0
J650	JUNCTION	94.87	0.50	0.0
J652	JUNCTION	94.86	0.50	0.0
J658	JUNCTION	95.03	0.50	0.0
J66	JUNCTION	98.97	0.23	0.0
J660	JUNCTION	94.99	0.15	0.0
J664	JUNCTION	94.99	0.46	0.0
J668	JUNCTION	93.96	1.04	0.0
J67	JUNCTION	97.04	0.85	0.0
J670	JUNCTION	95.17	0.50	0.0
J673	JUNCTION	93.46	1.54	0.0
J676	JUNCTION	94.78	0.50	0.0
J68	JUNCTION	97.67	0.23	0.0
J684	JUNCTION	94.96	0.20	0.0
J686	JUNCTION	94.86	0.50	0.0
J69	JUNCTION	95.97	1.09	0.0
J693	JUNCTION	94.87	0.50	0.0
J699	JUNCTION	95.19	0.50	0.0
J7	JUNCTION	95.25	0.65	0.0
J70	JUNCTION	95.46	1.01	0.0
J703	JUNCTION	94.94	0.50	0.0
J71	JUNCTION	96.06	1.34	0.0
J710	JUNCTION	94.39	0.53	0.0
J712	JUNCTION	94.84	0.50	0.0
J718	JUNCTION	94.93	0.50	0.0
J72	JUNCTION	98.12	0.20	0.0
J728	JUNCTION	94.87	0.50	0.0
J73	JUNCTION	96.02	1.19	0.0
J735	JUNCTION	94.84	0.50	0.0
J74	JUNCTION	95.48	0.74	0.0
J744	JUNCTION	94.49	0.50	0.0
J746	JUNCTION	94.60	0.18	0.0
J748	JUNCTION	94.54	0.17	0.0
J75	JUNCTION	97.64	0.50	0.0
J755	JUNCTION	94.54	0.25	0.0
J757	JUNCTION	94.74	0.50	0.0

J76	JUNCTION	95.56	1.67	0.0
J761	JUNCTION	94.83	0.50	0.0
J77	JUNCTION	97.40	0.50	0.0
J771	JUNCTION	94.85	0.50	0.0
J774	JUNCTION	94.87	0.50	0.0
J777	JUNCTION	94.60	0.32	0.0
J779	JUNCTION	94.92	0.50	0.0
J78	JUNCTION	96.98	0.90	0.0
J795	JUNCTION	94.55	0.50	0.0
J797	JUNCTION	94.71	0.50	0.0
J8	JUNCTION	95.37	0.69	0.0
J803	JUNCTION	94.27	0.25	0.0
J807	JUNCTION	94.82	0.50	0.0
J81	JUNCTION	95.57	2.54	0.0
J819	JUNCTION	94.82	0.50	0.0
J82	JUNCTION	100.49	0.88	0.0
J821	JUNCTION	94.38	0.50	0.0
J824	JUNCTION	94.39	0.50	0.0
J830	JUNCTION	94.58	0.30	0.0
J832	JUNCTION	94.84	0.50	0.0
J834	JUNCTION	94.81	0.50	0.0
J837	JUNCTION	94.81	0.50	0.0
J84	JUNCTION	98.34	0.39	0.0
J841	JUNCTION	94.75	0.50	0.0
J848	JUNCTION	94.66	0.50	0.0
J856	JUNCTION	94.54	0.50	0.0
J858	JUNCTION	94.55	0.50	0.0
J86	JUNCTION	96.83	0.50	0.0
J861	JUNCTION	94.46	0.50	0.0
J869	JUNCTION	94.13	0.50	0.0
J87	JUNCTION	94.86	0.20	0.0
J878	JUNCTION	94.49	0.50	0.0
J88	JUNCTION	96.75	0.39	0.0
J880	JUNCTION	94.77	0.50	0.0
J882	JUNCTION	94.33	0.50	0.0
J884	JUNCTION	94.12	0.50	0.0
J886	JUNCTION	94.27	0.50	0.0
J89	JUNCTION	93.50	1.50	0.0
J891	JUNCTION	94.36	0.22	0.0
J893	JUNCTION	94.66	0.50	0.0
J895	JUNCTION	94.72	0.50	0.0
J9	JUNCTION	98.20	0.50	0.0
J9_1	JUNCTION	96.30	0.87	0.0
J90	JUNCTION	97.22	0.50	0.0
J900	JUNCTION	94.59	0.50	0.0
J91	JUNCTION	93.88	0.12	0.0
J915	JUNCTION	94.11	0.50	0.0
J92	JUNCTION	101.17	0.88	0.0
J923	JUNCTION	94.12	0.50	0.0
J925	JUNCTION	94.50	0.90	0.0
J927	JUNCTION	94.33	0.50	0.0
J929	JUNCTION	94.44	0.50	0.0
J934	JUNCTION	94.52	0.50	0.0
J940	JUNCTION	94.44	0.32	0.0
J95	JUNCTION	97.23	0.18	0.0
J951	JUNCTION	93.64	0.50	0.0
J954	JUNCTION	94.53	0.87	0.0

J960	JUNCTION	94.27	0.50	0.0	
J964	JUNCTION	94.48	1.21	0.0	
J966	JUNCTION	94.22	0.50	0.0	
J983	JUNCTION	94.10	0.50	0.0	
J998	JUNCTION	94.10	0.50	0.0	
Mesure_point	JUNCTION	94.94	0.50	0.0	
J42	OUTFALL	92.00	0.85	0.0	
Natural_outlet	OUTFALL	93.00	1.00	0.0	
Outfall_A	OUTFALL	92.64	0.90	0.0	
Outfall_B	OUTFALL	92.80	1.38	0.0	
Bassin	STORAGE	94.40	2.50	0.0	

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Link Summary
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Name	From Node	To Node	Type	Length	% Slope	Roughness
C1	J1165	J1158	CONDUIT	38.1	0.1363	0.0350
C10	16639	16677	CONDUIT	35.6	0.7273	0.0100
C100	J771	J1245	CONDUIT	119.7	0.0159	0.0350
C101	J382	J1246	CONDUIT	13.8	0.0580	0.0350
C102	J16	J69	CONDUIT	28.5	0.3931	0.0550
C103	J686	J728	CONDUIT	24.0	-0.0250	0.0350
C104	30405	30384	CONDUIT	42.8	0.1099	0.0100
C105	J124	J167	CONDUIT	64.6	0.2492	0.0100
C106	30384	30371	CONDUIT	29.0	0.1277	0.0100
C107	J616	J1249	CONDUIT	77.2	0.0713	0.0100
C108	J832	J819	CONDUIT	112.4	0.0178	0.0350
C109	J74	J500	CONDUIT	28.8	0.0417	0.0190
C109_1	J69	J14	CONDUIT	17.3	0.3004	0.0120
C109_2	J14	J12	CONDUIT	33.5	0.3017	0.0550
C11	J1110	J1211	CONDUIT	113.5	0.0916	0.0100
C110	30371	30354	CONDUIT	28.5	0.1790	0.0100
C1100	30475	30433	CONDUIT	41.9	0.0907	0.0100
C111	30354	30340	CONDUIT	28.8	-0.1808	0.0100
C112	J64	J62	CONDUIT	68.5	0.2510	0.4500
C113	J602	J664	CONDUIT	130.6	0.1761	0.0100

C114		J1100	J1133	CONDUIT	68.1	
0.0690	0.0350					
C115		J21	Bassin	CONDUIT	10.0	
0.5600	0.0550					
C116		J254	J1232	CONDUIT	74.5	
0.3865	0.0350					
C117		J508	J572	CONDUIT	18.3	
0.0274	0.0100					
C119		30340	30327	CONDUIT	28.3	
0.1554	0.0100					
C12		30901	30919	CONDUIT	22.2	
0.5618	0.0100					
C12_1		16553	J12_1	CONDUIT	11.9	
0.2690	0.0100					
C120		J699	J1253	CONDUIT	254.5	
0.1147	0.0350					
C121		J12	J10	CONDUIT	17.0	
0.3126	0.0550					
C122		J10	J21	CONDUIT	23.5	-
0.1405	0.0550					
C123		30327	30280	CONDUIT	43.7	
0.3572	0.0100					
C124		J159	J1254	CONDUIT	17.7	
0.2819	0.0350					
C127		31233	31346	CONDUIT	8.1	-
1.8320	0.0100					
C128		J929	J1036	CONDUIT	368.5	
0.2494	0.0100					
C129		J5	Mesure_point	CONDUIT	95.5	
0.0440	0.3500					
C13_1		J500	J4	CONDUIT	28.8	
0.1772	0.3500					
C13_10		J34	J44	CONDUIT	40.1	
0.2819	0.4500					
C13_2		J4	J8	CONDUIT	31.6	
0.1646	0.3500					
C13_3		J78	J27	CONDUIT	119.8	
0.2820	0.4500					
C13_4		J29	J31	CONDUIT	91.1	
0.2811	0.4500					
C13_5		J40	J65	CONDUIT	16.7	
0.2568	0.4500					
C13_6		J65	J64	CONDUIT	16.8	
0.2562	0.0190					
C13_7		J27	J29	CONDUIT	95.4	
0.2818	0.4500					
C13_8		J31	J34	CONDUIT	72.4	
0.2817	0.4500					
C131		J281	J1258	CONDUIT	9.1	
1.3445	0.0100					
C132		J455	J1259	CONDUIT	79.0	
0.0164	0.0100					
C133		J388	J1260	CONDUIT	203.9	
0.3241	0.0100					
C134		J728	J757	CONDUIT	62.4	
0.2147	0.0350					
C137		16902	16874	CONDUIT	5.6	
1.3999	0.0120					
C138		J165	J275	CONDUIT	195.6	
0.1907	0.0100					

C139		J572	J576	CONDUIT	19.5	
0.9990	0.0100					
C14		J795	J824	CONDUIT	82.8	
0.1859	0.0350					
C142		J1233	Outfall_B	CONDUIT	23.4	
0.8531	0.0100					
C143		J966	J1262	CONDUIT	65.8	
0.5682	0.0100					
C144		31659	J1233	CONDUIT	22.8	-
0.8041	0.0240					
C145		J39	J56	CONDUIT	97.1	
0.3946	0.0100					
C146		J8	J7	CONDUIT	74.7	
0.1552	0.3500					
C147		30776	Outfall_A	CONDUIT	19.7	
0.2542	0.0120					
C15		J893	J900	CONDUIT	8.8	
0.7578	0.0350					
C150_2		J62	J33	CONDUIT	21.1	
0.5120	0.0190					
C151_1		J33	J26	CONDUIT	65.1	
0.2675	0.4500					
C151_2		J26	J67	CONDUIT	90.2	
0.2671	0.4500					
C153		J596	J1268	CONDUIT	93.5	
0.0727	0.0100					
C154_3		J67	J78	CONDUIT	20.8	
0.3032	0.0190					
C155		J360	J447	CONDUIT	74.7	
0.6824	0.0100					
C156		J576	J1270	CONDUIT	10.7	
0.8021	0.0350					
C158		J348	J331	CONDUIT	17.7	-
0.0848	0.0350					
C16		J472	J467	CONDUIT	10.6	-
0.0188	0.0100					
C162		J1060	J1276	CONDUIT	10.3	
0.1946	0.0100					
C163		15526	15536	CONDUIT	15.3	
0.6914	0.0190					
C164		J983	J998	CONDUIT	11.1	-
0.0090	0.0350					
C165		J112	J1277	CONDUIT	98.6	
0.3682	0.0100					
C166		J891	J1278	CONDUIT	36.8	
0.7991	0.0100					
C167		J199	J1279	CONDUIT	22.3	
0.3953	0.0350					
C169		J344	J1260	CONDUIT	59.8	
0.0903	0.0350					
C17		30475	30476	CONDUIT	6.0	
0.1498	0.0120					
C171		J331	J1246	CONDUIT	106.9	
0.2553	0.0100					
C172		J167	J1280	CONDUIT	48.1	
0.5506	0.0100					
C173		J998	J1281	CONDUIT	15.7	
0.6050	0.0350					
C176		J467	J451	CONDUIT	31.3	
0.0639	0.0100					

C177		J7	J6	CONDUIT	75.1	
0.1851	0.3500					
C18		J940	J1002	CONDUIT	166.0	
0.1621	0.0100					
C180		J646	J710	CONDUIT	105.1	
0.5736	0.0350					
C186		J757	J797	CONDUIT	20.5	
0.1266	0.0350					
C188		J44	15161	CONDUIT	10.0	
3.8780	0.0500					
C189		J47	J46	CONDUIT	8.0	
1.1776	0.0350					
C19		J670	J699	CONDUIT	70.9	-
0.0254	0.0350					
C190		J1232	J372	CONDUIT	84.0	
0.2763	0.0100					
C191		J1002	J1281	CONDUIT	67.1	
0.2577	0.0350					
C196		J1318	J584	CONDUIT	73.5	
0.1265	0.0350					
C199		J52	J1227	CONDUIT	98.1	
0.1091	0.0100					
C2		16797	16677	CONDUIT	179.6	
0.3786	0.0100					
C20		30280	30277	CONDUIT	5.0	
0.8938	0.0350					
C200		J443	J525	CONDUIT	76.4	
0.3299	0.0350					
C202		J451	J475	CONDUIT	42.8	
0.2078	0.0100					
C205		J819	J1292	CONDUIT	21.5	-
0.1165	0.0350					
C206_1		J6	J53	CONDUIT	56.6	
0.0583	0.3500					
C206_2		J53	J5	CONDUIT	78.0	
0.1153	0.3500					
C207		J797	J746	CONDUIT	57.7	
0.1906	0.0100					
C208		J1102	J1114	CONDUIT	36.3	
0.1927	0.0350					
C21		J900	J934	CONDUIT	60.7	
0.1153	0.0350					
C212		J1245	J1292	CONDUIT	89.2	-
0.0247	0.0350					
C213		J803	31616	CONDUIT	115.3	
0.6080	0.0100					
C213_1		J15	J11	CONDUIT	315.0	
0.2165	0.0100					
C213_3		J11	J51	CONDUIT	39.2	
0.2168	0.0100					
C213_4		J51	J70	CONDUIT	57.9	
0.2159	0.0100					
C214		J135	J1294	CONDUIT	164.9	
0.0910	0.0100					
C217		J1211	J1296	CONDUIT	47.0	
0.0659	0.0100					
C218		16611	16576	CONDUIT	44.3	-
0.1716	0.0100					
C22		30901	30874	CONDUIT	54.2	
2.0251	0.0100					

C220		J1146	J1163	CONDUIT	27.9	
0.0072	0.0350					
C221		J447	J1299	CONDUIT	29.1	
0.8808	0.0350					
C223		J66	J61	CONDUIT	60.0	
0.5849	0.0100					
C225		J56	J1300	CONDUIT	143.6	
0.1567	0.0100					
C226		J1258	J1301	CONDUIT	221.4	
0.2498	0.0100					
C23		J392	J1213	CONDUIT	112.4	
0.4822	0.0100					
C230		16576	16553	CONDUIT	5.1	
2.1968	0.0240					
C231_1		17181	17189	CONDUIT	40.9	
0.4333	0.0100					
C231_2		17189	17125	CONDUIT	61.5	
0.4700	0.0100					
C232		J403	J1259	CONDUIT	15.2	
0.4074	0.0350					
C233		J664	J660	CONDUIT	22.1	-
0.0136	0.0100					
C234		J644	J703	CONDUIT	91.3	
0.0460	0.0350					
C239		J20	J9	CONDUIT	8.2	
0.2937	0.0350					
C24		J92	J82	CONDUIT	62.2	
1.0943	0.0100					
C241		J114	J1306	CONDUIT	44.9	
0.2987	0.0100					
C243		J1163	J1230	CONDUIT	83.6	
0.0215	0.0350					
C245		J475	J1299	CONDUIT	20.3	
0.0986	0.0100					
C247		J1114	J1142	CONDUIT	87.0	
0.1253	0.0100					
C248		J9	J17	CONDUIT	14.7	
0.1765	0.0350					
C25		30874	30846	CONDUIT	54.7	
1.1510	0.0100					
C251		J660	J684	CONDUIT	63.7	
0.0455	0.0100					
C254		J1281	J1239	CONDUIT	58.9	
0.2886	0.0350					
C256		J17	J23	CONDUIT	134.9	
0.0445	0.0100					
C259		J1299	J479	CONDUIT	69.3	
0.7722	0.0100					
C260		J869	J884	CONDUIT	24.6	
0.0203	0.0350					
C261		J1246	J427	CONDUIT	132.1	
0.2809	0.0100					
C262		J746	J748	CONDUIT	32.1	
0.1872	0.0100					
C263		J372	J362	CONDUIT	57.1	
0.5218	0.0100					
C266		J95	J153	CONDUIT	44.4	
0.3826	0.0100					
C267		J61	J100	CONDUIT	45.9	
0.5233	0.0100					

C268	J710	J668	CONDUIT	24.8	1.7126	0.0100
C269	J821	J882	CONDUIT	43.2	0.1273	0.0350
C27	30259	J42	CONDUIT	27.0	0.4586	0.0240
C27_1	30846	J36	CONDUIT	15.3	0.5820	0.0100
C27_2	J36	30821	CONDUIT	40.4	0.5845	0.0100
C270	J884	J915	CONDUIT	73.0	0.0164	0.0350
C271	J304	J1314	CONDUIT	27.8	0.4639	0.0350
C272	16496	16468	CONDUIT	8.0	0.5964	0.0100
C275	J748	J744	CONDUIT	58.8	0.0783	0.0100
C276	J1227	J72	CONDUIT	51.5	0.7223	0.0100
C277	17077	17050	CONDUIT	37.6	0.4203	0.0100
C279	16468	35262	CONDUIT	23.5	0.4300	0.0100
C28	30277	30259	CONDUIT	9.2	3.6681	0.0350
C281	J951	J1223	CONDUIT	121.9	0.2092	0.0350
C282	J668	J673	CONDUIT	118.7	0.4205	0.0100
C283	17050	17000	CONDUIT	76.7	0.1095	0.0100
C284	J1259	J1318	CONDUIT	176.9	0.1018	0.0100
C285	J275	J1222	CONDUIT	83.5	0.2252	0.0100
C287	35262	35248	CONDUIT	39.5	0.1038	0.0100
C287_1	J684	J87	CONDUIT	51.9	0.2101	0.0100
C287_2	J87	J777	CONDUIT	122.1	0.2096	0.0100
C288	J153	J169	CONDUIT	101.2	0.0682	0.0350
C289	J703	J718	CONDUIT	71.2	0.0098	0.0350
C29	J172	J1216	CONDUIT	93.2	0.1095	0.0100
C290	J1239	J1276	CONDUIT	33.3	0.1533	0.0100
C291	J362	J419	CONDUIT	72.7	0.5409	0.0100
C292	35248	15115	CONDUIT	18.8	0.3087	0.0100
C293	J882	J886	CONDUIT	11.9	0.4446	0.0350
C294	J100	J109	CONDUIT	7.5	0.3741	0.0100
C296	J1260	J458	CONDUIT	65.2	0.0445	0.0100

C297_1	J479	J50	CONDUIT	70.5	-	
0.1390	0.0100					
C298	J1142	J1296	CONDUIT	17.3	-	
0.0116	0.0100					
C299	15115	J47	CONDUIT	33.8		
0.8018	0.0100					
C3	J1272	J36	CONDUIT	173.2		
0.1472	0.0100					
C30	J433	J455	CONDUIT	88.3		
0.1642	0.0100					
C300	J109	J1306	CONDUIT	162.7		
0.5115	0.0100					
C302	J886	J1320	CONDUIT	114.9		
0.1149	0.0350					
C304_1	J46	J60	CONDUIT	37.9		
0.5936	0.0240					
C304_2	J60	15161	CONDUIT	2.1		
0.9179	0.0350					
C305	J1296	J1148	CONDUIT	101.6		
0.1043	0.0100					
C306	J915	J1322	CONDUIT	94.7		
0.1700	0.0100					
C308	J744	J668	CONDUIT	216.6		
0.2461	0.0100					
C309	J72	J1324	CONDUIT	157.3		
0.3656	0.0100					
C31	J59	J52	CONDUIT	170.0		
0.1706	0.0100					
C310_1	J57	15161	CONDUIT	5.9		
2.9653	0.0350					
C310_2	J57	15169	CONDUIT	36.0		
0.2473	0.0100					
C311	J1276	J1325	CONDUIT	48.9		
0.1819	0.0100					
C313	J138	J140	CONDUIT	65.9		
0.2427	0.0100					
C314	15169	15183	CONDUIT	50.0		
0.1880	0.0100					
C319	J23	J28	CONDUIT	38.4	-	
0.2345	0.0100					
C32	J41	J39	CONDUIT	96.9		
0.3335	0.0350					
C320	J718	J779	CONDUIT	66.7		
0.0150	0.0350					
C322	15183	15017	CONDUIT	36.2		
0.0028	0.0100					
C323	J427	J443	CONDUIT	91.5		
0.3050	0.0100					
C324	J1222	J319	CONDUIT	115.7		
0.0873	0.0100					
C326	17000	16902	CONDUIT	87.9		
0.2390	0.0100					
C327	J419	J1314	CONDUIT	38.2		
0.1177	0.0350					
C329	15017	15023	CONDUIT	34.9	-	
0.0945	0.0100					
C33	30821	30790	CONDUIT	55.2		
0.2537	0.0100					
C331	J28	J35	CONDUIT	65.0		
0.2493	0.0100					

C333		15023	15526	CONDUIT	24.1	
0.2320	0.0100					
C334		16611	16639	CONDUIT	11.1	
2.0641	0.0240					
C335		J140	J1279	CONDUIT	200.2	
0.4221	0.0350					
C336		J954	J89	CONDUIT	52.7	
1.9602	0.0100					
C337		J1223	J1352	CONDUIT	25.4	
0.8184	0.0350					
C34		30790	30776	CONDUIT	23.1	
1.5402	0.0100					
C340		J1314	J525	CONDUIT	202.0	
0.2198	0.0100					
C341		J779	J761	CONDUIT	57.7	
0.1524	0.0350					
C343		J1148	J1161	CONDUIT	63.5	
0.0410	0.0100					
C346		15536	17316	CONDUIT	112.5	
0.3759	0.0100					
C35		30741	30776	CONDUIT	19.4	
1.1910	0.0100					
C350		17316	31735	CONDUIT	118.7	
0.2645	0.0100					
C352		J35	J32	CONDUIT	9.3	-
1.4792	0.0100					
C353		J89	J58	CONDUIT	73.7	-
0.0136	0.0100					
C355		J777	J1329	CONDUIT	48.6	
0.0412	0.0100					
C356		J1036	J1330	CONDUIT	47.9	-
0.0250	0.0350					
C359		J1306	J1280	CONDUIT	43.7	
0.6269	0.0350					
C36		30723	30741	CONDUIT	28.5	
0.2070	0.0350					
C361		31735	31727	CONDUIT	11.7	
0.9578	0.0240					
C363		J761	J834	CONDUIT	43.2	
0.0625	0.0350					
C365		31727	33074	CONDUIT	14.5	-
0.5948	0.0100					
C367		J319	J1332	CONDUIT	57.5	
0.0940	0.0350					
C368		J1161	J1180	CONDUIT	55.2	
0.1378	0.0100					
C371		33074	33088	CONDUIT	30.4	
1.1563	0.0100					
C372		J58	31330	CONDUIT	37.6	
0.4543	0.0120					
C374		J1225	J75	CONDUIT	164.7	
0.3618	0.0100					
C375		J1280	J1277	CONDUIT	58.8	
0.1139	0.0100					
C376		J834	J1308	CONDUIT	244.3	-
0.0016	0.0100					
C377		33088	33102	CONDUIT	25.6	
0.1131	0.0100					
C378		33102	33116	CONDUIT	31.3	
0.2783	0.0100					

C379		33116	33130	CONDUIT	27.1	
0.4249	0.0100					
C38		J116	J1219	CONDUIT	10.0	
2.6774	0.0100					
C381_1		33130	J3	CONDUIT	11.1	
4.7154	0.0100					
C381_2		J3	33147	CONDUIT	16.2	-
1.7235	0.0100					
C382		J1180	J1335	CONDUIT	83.1	
0.1492	0.0100					
C383		J1317	J1336	CONDUIT	11.3	
0.9143	0.0350					
C384		33147	33161	CONDUIT	27.9	
0.4163	0.0100					
C385		33161	31717	CONDUIT	26.9	
1.3818	0.0100					
C388		31717	31692	CONDUIT	15.9	
0.1444	0.0140					
C39		J858	J878	CONDUIT	9.9	
0.6386	0.0350					
C391		J1277	J1338	CONDUIT	84.4	
0.1173	0.0100					
C397		31692	31679	CONDUIT	21.3	-
0.3187	0.0100					
C398		31679	31659	CONDUIT	22.3	
1.9102	0.0100					
C399		J525	J1318	CONDUIT	37.1	
0.1024	0.0350					
C4		J30	J48	CONDUIT	54.3	
0.3517	0.0100					
C400		31644	31659	CONDUIT	20.4	
3.4607	0.0100					
C401		J70	J221	CONDUIT	218.5	
0.1858	0.0100					
C403		J77	J63	CONDUIT	28.6	
0.1260	0.0350					
C404		31630	31644	CONDUIT	26.9	
0.1153	0.0100					
C405		31616	31630	CONDUIT	28.8	
0.0521	0.0100					
C407		31602	31572	CONDUIT	41.3	
0.7625	0.0100					
C408		J63	J1210	CONDUIT	9.2	-
0.1746	0.0350					
C409		J219	J1229	CONDUIT	160.5	
0.1271	0.0100					
C41		J623	J658	CONDUIT	38.5	
0.0104	0.0350					
C412		31572	31557	CONDUIT	28.0	-
1.2346	0.0100					
C413		J1210	J1300	CONDUIT	146.5	
0.1433	0.0100					
C414		31557	31541	CONDUIT	28.7	-
0.4870	0.0100					
C415		31541	31527	CONDUIT	28.0	
0.0784	0.0100					
C416		J75	J1324	CONDUIT	8.6	
1.0602	0.0350					
C417		31527	31513	CONDUIT	28.8	-
0.0277	0.0100					

C42	30703	30723	CONDUIT	43.3		
0.0416	0.0100					
C420	J584	J1268	CONDUIT	57.6		
0.1145	0.0350					
C423	J1324	J1231	CONDUIT	121.4		
0.0898	0.0100					
C424	31513	31499	CONDUIT	28.6	-	
0.0280	0.0100					
C425	31499	31485	CONDUIT	29.6	-	
0.2807	0.0100					
C426	31485	31478	CONDUIT	14.1		
0.5238	0.0100					
C427	J1308	J880	CONDUIT	89.1		
0.0438	0.0350					
C428	31478	31464	CONDUIT	26.4	-	
0.4250	0.0100					
C429	J1268	J650	CONDUIT	170.6		
0.1976	0.0100					
C43	30690	30703	CONDUIT	29.0		
0.8334	0.0100					
C431	31464	31457	CONDUIT	14.4	-	
0.6451	0.0100					
C432	J1231	J126	CONDUIT	69.2		
0.1865	0.0350					
C433	J1300	J90	CONDUIT	15.7	-	
0.3309	0.0100					
C436	31457	31443	CONDUIT	28.7		
0.4141	0.0100					
C437	J90	J86	CONDUIT	49.0		
0.8066	0.0350					
C439_1	J221	J55	CONDUIT	33.7		
0.1217	0.0100					
C439_2	J55	J491	CONDUIT	329.0		
0.1213	0.0100					
C44	J299	J1222	CONDUIT	169.4		
0.0602	0.0100					
C441	J880	J841	CONDUIT	134.9		
0.0163	0.0100					
C443	31443	31436	CONDUIT	15.0	-	
0.3597	0.0350					
C444_2	J18	Mesure_point	CONDUIT	61.3		
0.3360	0.0350					
C445	J86	J1344	CONDUIT	49.8		
0.1686	0.0350					
C447	J126	J1273	CONDUIT	137.8		
0.3469	0.0350					
C448	J1229	J1338	CONDUIT	136.9		
0.0789	0.0100					
C449	31436	31422	CONDUIT	29.6		
0.2266	0.0350					
C45	J1052	J1102	CONDUIT	154.1		
0.1434	0.0100					
C451	Mesure_point	J87	CONDUIT	108.7		
0.0819	0.0100					
C452	J650	J693	CONDUIT	35.5	-	
0.0169	0.0350					
C453	31422	31415	CONDUIT	15.2	-	
1.1807	0.0350					
C455	J693	J712	CONDUIT	23.2		
0.1381	0.0100					

C456		J841	J848	CONDUIT	58.0	
0.1516	0.0350					
C457		31415	31401	CONDUIT	31.9	
0.5140	0.0100					
C459		31401	31385	CONDUIT	31.1	
0.1127	0.0100					
C46		J1065	J1223	CONDUIT	170.8	
0.1979	0.0100					
C460		J712	J676	CONDUIT	46.8	
0.1326	0.0350					
C463		31385	31376	CONDUIT	26.8	
0.2355	0.0100					
C464		31376	31330	CONDUIT	6.3	
4.6240	0.0100					
C465		J1273	J1344	CONDUIT	68.6	
0.1312	0.0350					
C466		J1338	J205	CONDUIT	174.8	
0.0463	0.0100					
C467		J848	J856	CONDUIT	35.4	
0.3366	0.0350					
C468		J676	J1240	CONDUIT	23.3	
0.3092	0.0350					
C469		J1240	J1329	CONDUIT	63.2	
0.2009	0.0350					
C47		30654	30690	CONDUIT	70.5	
0.1233	0.0100					
C470		J856	J1269	CONDUIT	61.5	
0.0488	0.0350					
C471		31330	31361	CONDUIT	6.5	-
4.5043	0.0350					
C472		J1344	J88	CONDUIT	142.2	-
0.0035	0.0100					
C473		J1253	J1292	CONDUIT	51.4	
0.0914	0.0350					
C474		31361	31349	CONDUIT	24.0	-
0.7782	0.0100					
C475		J205	J1294	CONDUIT	25.2	-
0.0913	0.0350					
C476		J1269	J960	CONDUIT	64.9	
0.3713	0.0350					
C478		J1329	J1348	CONDUIT	125.9	
0.1167	0.0100					
C479		J1292	J807	CONDUIT	10.0	
0.3214	0.0350					
C48		J878	J861	CONDUIT	21.3	
0.1219	0.0350					
C481		J1294	J169	CONDUIT	27.9	
0.1073	0.0100					
C482		J807	J830	CONDUIT	203.6	
0.1179	0.0100					
C483		J1354	31347	CONDUIT	8.4	
0.5102	0.0350					
C485		J491	J523	CONDUIT	50.8	
0.3660	0.0100					
C486		J88	J142	CONDUIT	18.7	
0.5147	0.0100					
C488		31347	31346	CONDUIT	4.7	
3.2043	0.0100					
C49		J43	J1225	CONDUIT	12.8	-
1.9963	0.0350					

C490		J142	J1219	CONDUIT	100.9	
0.4598	0.0100					
C491		J523	J1233	CONDUIT	337.4	
0.4232	0.0100					
C492		31233	31240	CONDUIT	14.4	-
0.7376	0.0100					
C493		31240	31248	CONDUIT	26.2	
0.3014	0.0100					
C495		J1320	J923	CONDUIT	13.1	
0.1225	0.0350					
C498		J1254	J1216	CONDUIT	72.5	
0.1201	0.0100					
C499		J1219	16677	CONDUIT	42.0	
0.6518	0.0100					
C5		J611	J1209	CONDUIT	62.0	
0.7244	0.0100					
C50		30654	30626	CONDUIT	58.7	
0.0460	0.0100					
C500		J830	J1348	CONDUIT	47.0	
0.3086	0.0100					
C501		31248	31256	CONDUIT	27.1	-
0.0626	0.0100					
C502		31256	31266	CONDUIT	28.0	-
0.1393	0.0100					
C505		J1216	J209	CONDUIT	128.5	
0.2467	0.0100					
C507		J1348	J1278	CONDUIT	181.7	
0.2015	0.0100					
C508		31266	31274	CONDUIT	27.1	
0.3953	0.0100					
C510		31274	31282	CONDUIT	25.8	
0.0813	0.0100					
C513		J209	J294	CONDUIT	65.6	
0.2120	0.0350					
C514		31282	31294	CONDUIT	41.6	-
0.1708	0.0100					
C517		J1278	J1262	CONDUIT	104.0	
0.2154	0.0100					
C518		J294	J283	CONDUIT	24.1	
0.3107	0.0350					
C52		J13	J20	CONDUIT	22.1	
0.1043	0.0350					
C520		J1233	J355	CONDUIT	30.8	-
4.6647	0.0100					
C521		J229	J241	CONDUIT	36.2	
0.0221	0.0100					
C522		J283	J1332	CONDUIT	151.9	
0.1943	0.0100					
C524		J355	J925	CONDUIT	346.5	-
0.0196	0.0100					
C525		31294	31133	CONDUIT	43.6	
0.0596	0.0100					
C525_3		J241	15115	CONDUIT	120.9	
0.2986	0.0100					
C526		J1262	J1010	CONDUIT	29.2	
0.4651	0.0100					
C527		31133	31143	CONDUIT	27.6	-
0.1304	0.0100					
C528		J1010	J1352	CONDUIT	245.2	
0.2141	0.0100					

C53	J37	J1227	CONDUIT	132.8		
0.3194	0.0100					
C530	J1332	J398	CONDUIT	130.9		
0.0871	0.0100					
C535	J398	J1301	CONDUIT	8.5		
1.2133	0.0350					
C537	31143	31158	CONDUIT	41.4		
0.3239	0.0100					
C537_2	J76	J1241	CONDUIT	159.7		
0.2411	0.0100					
C537_3	J1301	J81	CONDUIT	26.5		
0.1357	0.0350					
C537_4	J81	J76	CONDUIT	27.7		
0.0217	0.0120					
C54	J309	J352	CONDUIT	12.0		
0.1756	0.0100					
C540	J329	J394	CONDUIT	17.4		
0.1777	0.0350					
C541	J925	J1334	CONDUIT	28.7		
0.0557	0.0350					
C542	J394	J396	CONDUIT	51.8		
0.2647	0.0350					
C543	J1334	J964	CONDUIT	67.3		
0.0104	0.0100					
C545	J396	J384	CONDUIT	58.0		
0.2484	0.0350					
C546	J964	J954	CONDUIT	50.0	-	
0.1020	0.0100					
C547	J384	J1213	CONDUIT	40.6		
0.1355	0.0350					
C548	J1241	J1270	CONDUIT	28.0		
0.7390	0.0350					
C549	31158	31164	CONDUIT	13.7	-	
0.7470	0.0100					
C55	J232	J281	CONDUIT	61.6		
0.2889	0.0100					
C550	J1213	J453	CONDUIT	19.9	-	
0.0604	0.0100					
C551	J1270	J1249	CONDUIT	150.5		
0.1156	0.0100					
C552	J453	J449	CONDUIT	9.4		
0.7965	0.0100					
C553_1	J449	J50	CONDUIT	32.2		
0.1024	0.0100					
C553_2	J50	J1331	CONDUIT	108.2		
0.1007	0.0100					
C554	31164	31168	CONDUIT	15.4	-	
0.5763	0.0100					
C555	J1331	J462	CONDUIT	49.6		
0.0524	0.0100					
C556	J462	J1355	CONDUIT	43.5		
0.0575	0.0100					
C557	J1209	J562	CONDUIT	108.0		
0.1019	0.0100					
C558	J562	J1355	CONDUIT	189.0		
0.0138	0.0100					
C559	J1355	J598	CONDUIT	87.6		
0.7167	0.0100					
C56	30626	30612	CONDUIT	27.9		
0.0072	0.0100					

C560_1	J598	J2	CONDUIT	13.0	
0.2377	0.0120				
C560_2	J2	J633	CONDUIT	98.1	
0.2538	0.0100				
C561	J633	J673	CONDUIT	40.8	
0.4292	0.0100				
C562	J673	J3	CONDUIT	29.6	
0.1926	0.0100				
C564	J1336	J755	CONDUIT	92.4	-
0.1363	0.0100				
C565	J755	J803	CONDUIT	79.2	
0.3397	0.0100				
C566	J1275	J803	CONDUIT	73.4	
0.0640	0.0100				
C567	J1275	J1257	CONDUIT	240.9	
0.0432	0.0100				
C568	J1257	J1322	CONDUIT	120.5	
0.2174	0.0100				
C569	J1322	J1354	CONDUIT	56.1	
0.0927	0.0100				
C57	J84	J102	CONDUIT	20.6	
0.4071	0.0100				
C570	31168	31055	CONDUIT	17.5	
1.6977	0.0100				
C571	31024	31055	CONDUIT	34.1	
1.4483	0.0100				
C572	31010	31024	CONDUIT	28.7	-
0.1360	0.0100				
C573	30996	31010	CONDUIT	29.2	
0.3389	0.0100				
C574	30982	30996	CONDUIT	26.6	
0.0264	0.0350				
C575	30961	30982	CONDUIT	51.4	-
0.2511	0.0100				
C577	30947	30961	CONDUIT	20.3	
0.2861	0.0100				
C58	J217	J1229	CONDUIT	40.4	
0.1311	0.0350				
C580	30933	30947	CONDUIT	28.3	
2.3097	0.0100				
C581	30919	30933	CONDUIT	19.3	
3.2011	0.0100				
C584	J1325	J1272	CONDUIT	33.4	
0.0539	0.0350				
C586	J1330	J1352	CONDUIT	79.4	
0.4380	0.0100				
C587_1	J1352	30776	CONDUIT	224.6	
0.2204	0.0100				
C59	J1158	J1230	CONDUIT	11.4	-
0.1055	0.0350				
C6	J54	J1210	CONDUIT	12.9	-
0.1242	0.0350				
C60	J68	J1231	CONDUIT	89.0	
0.2528	0.0100				
C600	J48	17050	CONDUIT	61.5	
0.2050	0.0100				
C603	J895	J1269	CONDUIT	109.8	
0.1904	0.0350				
C606	J824	J1275	CONDUIT	54.5	
0.1412	0.0350				

C608		J1133	J1146	CONDUIT	46.6	
0.2701	0.0350					
C609		J227	J1258	CONDUIT	50.2	
0.3988	0.0350					
C61		J307	J348	CONDUIT	80.9	
0.3092	0.0100					
C610		J837	J1308	CONDUIT	80.2	
0.0050	0.0350					
C614		J1230	30475	CONDUIT	277.2	
0.1869	0.0100					
C615		J32	J1225	CONDUIT	57.5	-
0.1062	0.0100					
C617		J1279	J219	CONDUIT	40.0	
0.1675	0.0350					
C62		J273	J1232	CONDUIT	123.2	
0.2598	0.0100					
C620		J960	J1320	CONDUIT	99.5	
0.1307	0.0350					
C621_1		J923	J91	CONDUIT	139.6	
0.1784	0.0100					
C621_2		J91	31294	CONDUIT	98.4	
0.2989	0.0100					
C622		J169	J1254	CONDUIT	160.5	
0.1583	0.0100					
C624		J1249	J1209	CONDUIT	105.0	
0.1124	0.0100					
C63		31616	31602	CONDUIT	27.7	
0.3686	0.0100					
C64		30612	J1335	CONDUIT	35.2	
0.4228	0.0100					
C66		J580	J1233	CONDUIT	194.6	
0.7698	0.0100					
C67		J1032	J1060	CONDUIT	80.9	
0.0729	0.0350					
C68		J1335	30584	CONDUIT	20.1	-
0.0249	0.0100					
C69		J352	J388	CONDUIT	47.7	
0.3270	0.0100					
C7_1		17125	17111	CONDUIT	14.6	
2.5439	0.0100					
C7_2		17111	17077	CONDUIT	47.5	-
0.6968	0.0100					
C70		31055	Natural_outlet	CONDUIT	20.1	
1.7506	0.0120					
C71		30584	30562	CONDUIT	41.2	
0.0073	0.0100					
C72		J458	J74	CONDUIT	34.4	
0.0523	0.0350					
C72_3		J25	J71	CONDUIT	6.5	
0.3245	0.0550					
C72_5		J71	J73	CONDUIT	12.3	
0.3333	0.0120					
C72_6		J73	J24	CONDUIT	11.4	
0.3336	0.0550					
C73		J927	J966	CONDUIT	52.7	
0.2124	0.0350					
C74		J1094	J1211	CONDUIT	139.6	
0.1834	0.0350					
C75		J339	J382	CONDUIT	20.3	
0.6403	0.0350					

C76		31349	31346	CONDUIT	6.4
1.7691	0.0100				
C77		J861	J891	CONDUIT	77.7
0.1300	0.0100				
C78		30562	30534	CONDUIT	55.7
0.1186	0.0100				
C79		J521	J537	CONDUIT	11.2
0.0713	0.0350				
C8		J774	J735	CONDUIT	83.4
0.0300	0.0350				
C80		16815	16797	CONDUIT	9.4
1.0485	0.0120				
C81		16874	16815	CONDUIT	28.8
0.8578	0.0100				
C82		J102	J114	CONDUIT	159.9
0.3771	0.0100				
C83		J24	J22	CONDUIT	31.5
0.3270	0.0550				
C84		30534	30513	CONDUIT	42.1
0.0998	0.0100				
C85		J658	J646	CONDUIT	97.6
0.0389	0.0350				
C86		J1006	J1239	CONDUIT	119.9
0.1744	0.0100				
C87		J652	J616	CONDUIT	13.4
0.0449	0.0350				
C88		J161	J199	CONDUIT	63.0
0.3094	0.0350				
C9		J225	J217	CONDUIT	38.2
0.0288	0.0350				
C9_1		J12_1	J9_1	CONDUIT	50.0
0.0640	0.0100				
C9_2		J9_1	16496	CONDUIT	11.9
0.2691	0.0100				
C90		J934	J929	CONDUIT	32.4
0.2596	0.0350				
C91		30513	30476	CONDUIT	49.3
0.3891	0.0100				
C92		J537	J1241	CONDUIT	12.8
1.1077	0.0350				
C93		16677	J11	CONDUIT	14.1
1.7250	0.0240				
C94		30433	30418	CONDUIT	29.5
0.3387	0.0100				
C95		J22	J21	CONDUIT	7.7
0.9630	0.0550				
C96		J82	J138	CONDUIT	272.6
0.7451	0.0100				
C97		30418	30405	CONDUIT	29.6
0.2470	0.0100				
C98		15161	J55	CONDUIT	19.1
2.0949	0.0240				
C99		J735	J1245	CONDUIT	18.1
0.0994	0.0350				
P1		Bassin	J40	TYPE3 PUMP	
P2		Bassin	J18	TYPE3 PUMP	

****
Cross Section Summary

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Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
C1	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1	0.55
C10	T-C10	0.77	5.02	0.50	10.00	1	26.80
C100	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1	0.19
C101	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1	0.36
C102	TRAPEZOIDAL	1.00	3.00	0.55	5.00	1	2.29
C103	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1	0.24
C104	T-C104	0.75	11.42	0.57	20.00	1	25.96
C105	C105	0.11	0.89	0.04	22.04	1	0.52
C106	T-C106	0.73	11.23	0.56	20.00	1	27.23
C107	C107	0.35	5.64	0.19	29.82	1	4.93
C108	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1	0.20
C109	CIRCULAR	0.60	0.28	0.15	0.60	1	0.09
C109_1	TRAPEZOIDAL	0.50	0.50	0.26	1.50	1	0.93
C109_2	TRAPEZOIDAL	1.00	3.00	0.55	5.00	1	2.01
C11	C11	0.15	3.09	0.10	30.21	1	2.04
C110	T-C110	0.72	11.16	0.55	20.00	1	31.88
C1100	T-C1100	1.00	10.72	0.53	20.02	1	21.16
C111	T-C111	0.75	11.23	0.56	20.01	1	32.36
C112	TRAPEZOIDAL	0.75	1.73	0.42	3.80	1	0.11
C113	C113	0.46	7.04	0.25	28.45	1	11.60
C114	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1	0.39
C115	TRAPEZOIDAL	1.25	4.39	0.67	6.01	1	4.56
C116	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1	0.93
C117	C117	0.15	2.07	0.07	30.06	1	0.59
C119	T-C119	0.81	12.19	0.61	20.03	1	34.39
C12	T-C12	0.16	0.87	0.09	9.63	1	1.32
C12_1	T-C249	1.59	13.94	0.60	23.00	1	

C120	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.51						
C121	TRAPEZOIDAL	1.00	3.00	0.55	5.00	1
2.04						
C122	TRAPEZOIDAL	1.00	3.00	0.55	5.00	1
1.37						
C123	T-C123	1.07	14.22	0.70	20.06	1
67.20						
C124	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.79						
C127	T-C127	0.52	3.50	0.36	9.75	1
23.76						
C128	C128	0.13	1.55	0.07	24.20	1
1.27						
C129	TRAPEZOIDAL	0.50	1.00	0.31	3.00	1
0.03						
C13_1	TRAPEZOIDAL	0.50	1.00	0.31	3.00	1
0.05						
C13_10	TRAPEZOIDAL	1.00	2.80	0.53	4.80	1
0.22						
C13_2	TRAPEZOIDAL	0.50	1.00	0.31	3.00	1
0.05						
C13_3	TRAPEZOIDAL	0.90	2.34	0.48	4.40	1
0.17						
C13_4	TRAPEZOIDAL	0.95	2.56	0.51	4.60	1
0.19						
C13_5	TRAPEZOIDAL	0.75	1.73	0.42	3.80	1
0.11						
C13_6	CIRCULAR	0.45	0.16	0.11	0.45	1
0.10						
C13_7	TRAPEZOIDAL	0.90	2.34	0.48	4.40	1
0.17						
C13_8	TRAPEZOIDAL	1.00	2.80	0.53	4.80	1
0.22						
C131	C131	0.23	3.05	0.10	30.19	1
7.63						
C132	C132	0.26	4.13	0.14	29.21	1
1.43						
C133	C133	0.28	5.36	0.20	26.33	1
10.50						
C134	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.69						
C137	CIRCULAR	0.45	0.16	0.11	0.45	1
0.37						
C138	C138	0.20	3.03	0.10	30.42	1
2.82						
C139	C139	0.29	5.31	0.15	34.79	1
15.06						
C14	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.64						
C142	T-C142	1.38	13.82	0.67	20.00	1
97.59						
C143	C143	0.32	4.47	0.13	34.80	1
8.56						
C144	CIRCULAR	1.40	1.54	0.35	1.40	1
2.86						
C145	C145	0.33	6.06	0.24	24.59	1
14.83						
C146	TRAPEZOIDAL	0.50	1.00	0.31	3.00	1
0.05						

C147	CIRCULAR	0.90	0.64	0.23	0.90	1
0.99						
C15	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
1.30						
C150_2	CIRCULAR	0.45	0.16	0.11	0.45	1
0.14						
C151_1	TRAPEZOIDAL	0.75	1.73	0.42	3.80	1
0.11						
C151_2	TRAPEZOIDAL	0.85	2.12	0.46	4.20	1
0.15						
C153	C153	0.41	7.98	0.28	30.52	1
9.24						
C154_3	CIRCULAR	0.45	0.16	0.11	0.45	1
0.11						
C155	C155	0.22	2.55	0.09	30.16	1
4.37						
C156	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
1.34						
C158	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.44						
C16	C16	0.34	4.37	0.14	30.17	1
1.65						
C162	C162	0.16	1.58	0.08	18.46	1
1.34						
C163	CIRCULAR	0.45	0.16	0.11	0.45	1
0.16						
C164	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.14						
C165	C165	0.20	2.28	0.08	28.07	1
2.59						
C166	C166	0.22	2.12	0.07	30.30	1
3.28						
C167	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.94						
C169	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.45						
C17	CIRCULAR	0.50	0.20	0.12	0.50	1
0.16						
C171	C171	0.33	5.52	0.18	30.21	1
8.94						
C172	C172	0.28	2.94	0.11	26.96	1
5.07						
C173	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
1.16						
C176	C176	0.41	5.74	0.19	30.32	1
4.76						
C177	TRAPEZOIDAL	0.50	1.00	0.31	3.00	1
0.06						
C18	C18	0.32	6.07	0.20	30.32	1
8.28						
C180	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
1.13						
C186	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.53						
C188	TRAPEZOIDAL	1.00	3.00	0.55	5.00	1
7.92						
C189	TRAPEZOIDAL	2.00	14.00	1.31	9.00	1
52.07						
C19	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.24						

C190	C190	0.39	5.71	0.21	27.45	1
10.48						
C191	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.76						
C196	TRAPEZOIDAL	1.00	2.50	0.50	4.50	1
1.61						
C199	C199	0.22	3.70	0.12	30.48	1
2.98						
C2	T-C2	0.65	4.00	0.40	10.00	1
13.25						
C20	CIRCULAR	0.50	0.20	0.12	0.50	1
0.13						
C200	TRAPEZOIDAL	1.00	2.50	0.50	4.50	1
2.59						
C202	C202	0.53	7.72	0.25	30.19	1
14.10						
C205	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.51						
C206_1	TRAPEZOIDAL	0.50	1.00	0.31	3.00	1
0.03						
C206_2	TRAPEZOIDAL	0.50	1.00	0.31	3.00	1
0.04						
C207	C207	0.18	3.06	0.10	29.56	1
2.94						
C208	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.66						
C21	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.51						
C212	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.23						
C213	T-C213	0.10	0.71	0.06	12.39	1
0.83						
C213_1	T-C213_1	0.86	4.46	0.53	8.03	1
13.59						
C213_3	T-C213_2	1.01	6.78	0.64	10.00	1
23.38						
C213_4	T-C213_2	1.01	6.78	0.64	10.00	1
23.33						
C214	C214	0.18	2.96	0.11	27.23	1
2.03						
C217	C217	0.11	2.15	0.06	34.37	1
0.88						
C218	T-C218	0.82	3.77	0.37	10.00	1
8.04						
C22	T-C22	0.73	4.30	0.43	10.01	1
34.70						
C220	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.13						
C221	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
1.40						
C223	C223	0.23	2.46	0.08	29.73	1
3.57						
C225	C225	0.22	3.14	0.14	22.58	1
3.31						
C226	C226	0.19	1.78	0.09	19.03	1
1.82						
C23	C23	0.25	5.27	0.16	33.19	1
10.89						
C230	CIRCULAR	0.60	0.28	0.15	0.60	1
0.49						

C231_1	T-C231_1	1.56	20.53	0.68	30.00	1
104.08						
C231_2	T-C231_2	1.70	13.84	0.52	27.00	1
61.35						
C232	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.95						
C233	C233	0.15	1.67	0.06	30.14	1
0.28						
C234	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.32						
C239	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.81						
C24	C24	0.88	20.46	0.71	29.64	1
169.94						
C241	C241	0.11	1.26	0.04	28.33	1
0.87						
C243	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.22						
C245	C245	0.52	7.85	0.26	30.25	1
10.03						
C247	C247	0.12	1.89	0.06	30.34	1
1.05						
C248	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.63						
C25	T-C25	0.68	4.74	0.47	10.00	1
30.76						
C251	C251	0.11	1.60	0.06	26.18	1
0.53						
C254	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.80						
C256	C256	1.03	14.46	0.55	26.32	1
20.36						
C259	C259	0.50	8.87	0.33	26.36	1
37.28						
C260	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.21						
C261	C261	0.21	2.89	0.12	24.43	1
3.69						
C262	C262	0.17	2.59	0.09	30.33	1
2.18						
C263	C263	0.16	1.69	0.06	28.55	1
1.85						
C266	C266	0.18	3.22	0.11	30.26	1
4.45						
C267	C267	0.26	2.57	0.09	30.26	1
3.65						
C268	C268	0.53	5.99	0.19	30.25	1
26.31						
C269	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.53						
C27	CIRCULAR	0.85	0.57	0.21	0.85	2
0.57						
C27_1	T-C27	0.45	2.91	0.36	8.00	1
11.26						
C27_2	T-C27	0.45	2.91	0.36	8.00	1
11.29						
C270	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.19						
C271	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
1.02						

C272	T-C272	1.61	13.00	0.61	28.13	1
72.38						
C275	C275	0.16	2.29	0.07	30.42	1
1.14						
C276	C276	0.16	2.20	0.08	30.40	1
3.35						
C277	T-C277	0.44	1.73	0.17	10.01	1
3.44						
C279	T-C279	1.50	12.03	0.56	20.89	1
53.61						
C28	TRAPEZOIDAL	0.50	0.75	0.27	2.50	1
1.73						
C281	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.68						
C282	C282	0.23	3.20	0.12	29.80	1
5.03						
C283	T-C283	0.38	1.47	0.14	10.00	1
1.34						
C284	C284	0.15	1.42	0.05	29.47	1
0.60						
C285	C285	0.31	6.01	0.20	30.44	1
9.79						
C287	T-C287	1.59	16.12	0.66	23.02	1
39.19						
C287_1	C287	0.20	2.24	0.08	29.22	1
1.88						
C287_2	C287	0.20	2.24	0.08	29.22	1
1.88						
C288	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.39						
C289	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.15						
C29	C29	0.27	4.83	0.17	28.12	1
4.90						
C290	C290	0.25	4.35	0.14	30.49	1
4.61						
C291	C291	0.14	1.38	0.06	27.53	1
1.50						
C292	T-C292	1.68	15.29	0.63	22.48	1
62.61						
C293	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
1.00						
C294	C294	0.21	2.52	0.09	30.28	1
3.21						
C296	C296	0.17	3.40	0.11	31.77	1
1.61						
C297_1	C297	0.67	7.69	0.29	26.52	1
12.49						
C298	C298	0.19	3.29	0.11	30.83	1
0.80						
C299	T-C299	1.57	22.16	0.67	32.67	1
151.24						
C3	T-C3	0.08	0.71	0.04	18.00	1
0.31						
C30	C30	0.19	2.37	0.10	23.10	1
2.11						
C300	C300	0.22	2.39	0.08	30.31	1
3.13						
C302	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.51						

C304_1	CIRCULAR	0.45	0.16	0.11	0.45	1	0.12
C304_2	TRAPEZOIDAL	1.00	2.00	0.52	3.00	1	3.55
C305	C305	0.25	5.05	0.16	31.11	1	4.82
C306	C306	0.21	4.53	0.11	43.15	1	4.17
C308	C308	0.50	5.66	0.33	19.00	1	13.50
C309	C309	0.20	3.17	0.12	25.88	1	4.72
C31	C31	0.12	1.66	0.06	30.03	1	1.00
C310_1	TRAPEZOIDAL	0.60	0.96	0.36	2.20	1	2.37
C310_2	T-C310	1.92	35.16	0.85	40.12	1	156.44
C311	C311	0.19	5.10	0.09	57.46	1	4.30
C313	C313	0.13	2.14	0.07	30.68	1	1.78
C314	T-C314	1.75	38.59	0.94	40.00	1	160.66
C319	C319	1.51	26.72	0.86	30.37	1	117.10
C32	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1	0.86
C320	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1	0.18
C322	T-C322	1.57	38.31	0.91	40.00	1	18.92
C323	C323	0.25	2.79	0.12	22.53	1	3.80
C324	C324	0.10	1.40	0.06	23.95	1	0.65
C326	T-C326	1.79	20.22	0.68	29.07	1	76.78
C327	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1	0.51
C329	T-C329	1.90	36.27	0.87	40.03	1	101.52
C33	T-C33	0.53	3.47	0.43	8.00	1	9.95
C331	C331	1.75	28.66	0.91	29.38	1	134.83
C333	T-C333	1.64	25.80	0.61	40.01	1	89.52
C334	CIRCULAR	0.60	0.28	0.15	0.60	1	0.48
C335	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1	0.97
C336	T-C336	0.87	8.49	0.46	17.88	1	70.80
C337	TRAPEZOIDAL	1.00	6.00	0.59	10.00	1	10.86
C34	T-C34	0.75	5.14	0.51	10.01	1	40.65
C340	C340	0.15	2.58	0.08	30.37	1	2.33

C341	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.58						
C343	C343	0.15	2.85	0.09	30.76	1
1.17						
C346	T-C346	0.94	3.32	0.51	6.00	1
12.93						
C35	T-C35	0.89	5.85	0.58	10.02	1
44.19						
C350	T-C350	1.14	8.76	0.65	12.75	1
33.82						
C352	C352	2.25	48.92	1.58	30.60	1
807.30						
C353	T-C353	0.54	3.28	0.36	8.41	1
1.95						
C355	C355	0.32	3.55	0.12	30.31	1
1.72						
C356	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.24						
C359	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
1.18						
C36	TRAPEZOIDAL	1.00	1.50	0.45	2.50	1
1.15						
C361	CIRCULAR	0.40	0.13	0.10	0.40	1
0.11						
C363	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.37						
C365	T-C365	1.28	33.57	0.87	40.01	1
235.88						
C367	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.46						
C368	C368	0.16	3.12	0.10	30.82	1
2.50						
C371	T-C371	1.18	31.19	0.78	40.00	1
285.22						
C372	CIRCULAR	1.00	0.79	0.25	1.00	1
1.75						
C374	C374	0.13	1.95	0.06	30.73	1
1.86						
C375	C375	0.35	4.13	0.14	30.12	1
3.84						
C376	C376	0.11	1.56	0.06	27.50	1
0.10						
C377	T-C377	1.19	26.61	0.65	40.00	1
67.40						
C378	T-C378	0.41	6.39	0.29	22.00	1
14.75						
C379	T-C379	0.32	3.68	0.17	22.05	1
7.26						
C38	C38	0.43	10.05	0.29	33.97	1
72.51						
C381_1	T-C381	1.11	23.40	0.65	38.03	1
381.13						
C381_2	T-C381	1.11	23.40	0.65	38.03	1
230.42						
C382	C382	0.78	33.04	0.57	57.24	1
88.21						
C383	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
1.43						
C384	T-C384	1.18	22.73	0.66	38.06	1
110.84						

C385	T-C385	1.26	18.16	0.51	38.03	1
136.34						
C388	CIRCULAR	1.25	1.23	0.31	1.25	1
1.53						
C39	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
1.19						
C391	C391	0.33	4.35	0.15	31.13	1
4.27						
C397	T-C397	1.58	20.56	0.50	40.00	1
73.40						
C398	T-C398	1.67	25.49	0.69	39.11	1
275.74						
C399	TRAPEZOIDAL	1.00	4.50	0.51	8.50	1
2.64						
C4	C4	0.31	5.61	0.17	34.39	1
10.28						
C400	T-C400	1.36	26.27	0.70	38.05	1
386.36						
C401	T-C401	0.92	6.04	0.64	8.80	1
19.36						
C403	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.53						
C404	T-C404	1.19	25.52	0.71	38.20	1
68.75						
C405	T-C405	1.24	22.17	0.57	37.63	1
34.96						
C407	T-C407	1.27	22.41	0.58	38.08	1
136.01						
C408	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.62						
C409	C409	0.10	1.21	0.05	25.58	1
0.56						
C41	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.15						
C412	T-C412	1.23	22.99	0.64	38.19	1
190.01						
C413	C413	0.36	7.19	0.23	30.70	1
10.23						
C414	T-C414	1.22	24.52	0.64	40.15	1
127.13						
C415	T-C415	1.11	23.99	0.61	40.14	1
48.32						
C416	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
1.54						
C417	T-C417	1.15	24.31	0.58	40.16	1
28.26						
C42	T-C42	0.40	2.47	0.31	8.02	1
2.29						
C420	TRAPEZOIDAL	1.00	4.50	0.51	8.50	1
2.79						
C423	C423	0.26	4.62	0.17	27.56	1
4.29						
C424	T-C424	1.16	23.97	0.57	40.12	1
27.74						
C425	T-C425	1.05	22.96	0.56	40.01	1
82.27						
C426	T-C426	1.04	23.05	0.58	40.10	1
116.53						
C427	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.31						

C428	T-C428	1.09	22.44	0.57	40.11	1
100.54						
C429	C429	0.16	3.09	0.09	35.37	1
2.77						
C43	T-C43	0.42	2.41	0.30	8.02	1
9.85						
C431	T-C431	1.09	20.43	0.51	40.07	1
105.22						
C432	TRAPEZOIDAL	1.00	4.50	0.51	8.50	1
3.57						
C433	C433	0.26	4.59	0.17	31.84	1
7.99						
C436	T-C436	0.84	16.22	0.44	40.01	1
60.56						
C437	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
1.34						
C439_1	T-C439	1.17	7.42	0.58	12.29	1
18.04						
C439_2	T-C439	1.17	7.42	0.58	12.29	1
18.00						
C44	C44	0.15	2.17	0.09	24.19	1
1.07						
C441	C441	0.10	1.31	0.05	28.07	1
0.22						
C443	TRAPEZOIDAL	0.50	0.50	0.26	1.50	1
0.35						
C444_2	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.87						
C445	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.61						
C447	TRAPEZOIDAL	1.00	4.50	0.51	8.50	1
4.86						
C448	C448	0.25	4.42	0.15	31.04	1
3.50						
C449	TRAPEZOIDAL	0.50	0.50	0.26	1.50	1
0.28						
C45	C45	0.13	1.76	0.06	30.16	1
1.01						
C451	C451	0.18	3.96	0.12	34.48	1
2.68						
C452	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.19						
C453	TRAPEZOIDAL	0.50	0.50	0.26	1.50	1
0.63						
C455	C455	0.11	1.54	0.05	32.47	1
0.79						
C456	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.58						
C457	T-C457	1.05	23.84	0.57	40.40	1
117.77						
C459	T-C459	1.04	23.81	0.58	40.58	1
55.66						
C46	C46	0.17	1.61	0.09	18.10	1
1.44						
C460	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.54						
C463	T-C463	0.79	18.38	0.54	38.24	1
58.84						
C464	T-C464	0.82	9.29	0.52	17.70	1
129.32						

C465	TRAPEZOIDAL	1.00	4.50	0.51	8.50	1
2.99						
C466	C466	0.26	5.84	0.18	32.09	1
4.02						
C467	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.87						
C468	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.83						
C469	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.67						
C47	T-C47	0.53	3.84	0.38	10.00	1
7.09						
C470	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.33						
C471	TRAPEZOIDAL	0.50	0.50	0.26	1.50	1
1.24						
C472	C472	0.39	10.94	0.33	33.09	1
3.09						
C473	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.45						
C474	T-C474	0.68	8.08	0.40	19.98	1
38.84						
C475	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.45						
C476	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.91						
C478	C478	0.24	1.77	0.06	27.27	1
0.97						
C479	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.85						
C48	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.52						
C481	C481	0.28	5.21	0.16	32.24	1
5.07						
C482	C482	0.23	3.47	0.11	30.32	1
2.80						
C483	TRAPEZOIDAL	0.50	0.50	0.26	1.50	1
0.42						
C485	T-C485	1.22	12.20	0.64	18.17	1
54.71						
C486	C486	0.15	2.74	0.08	33.21	1
3.72						
C488	T-C488	0.84	8.86	0.46	19.27	1
94.07						
C49	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
2.11						
C490	C490	0.14	2.57	0.08	33.25	1
3.26						
C491	T-C491	1.16	9.23	0.61	14.01	1
43.42						
C492	T-C492	0.47	3.30	0.33	10.01	1
13.44						
C493	T-C493	0.49	3.49	0.35	10.01	1
9.45						
C495	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.52						
C498	C498	0.11	2.00	0.06	33.06	1
1.08						
C499	C499	0.41	3.49	0.20	16.96	1
9.75						

C5	C5	0.41	8.79	0.25	35.33	1
29.53						
C50	T-C50	0.56	4.03	0.40	10.00	1
4.68						
C500	C500	0.30	5.50	0.16	33.21	1
9.17						
C501	T-C501	0.48	3.41	0.34	10.00	1
4.14						
C502	T-C502	0.50	3.64	0.36	10.00	1
6.89						
C505	C505	0.19	3.36	0.11	34.09	1
3.92						
C507	C507	0.30	1.94	0.07	31.96	1
1.44						
C508	T-C508	0.50	3.76	0.37	10.00	1
12.25						
C510	T-C510	0.50	3.64	0.36	10.01	1
5.27						
C513	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.69						
C514	T-C514	0.44	3.24	0.32	10.00	1
6.30						
C517	C517	0.36	4.30	0.12	35.76	1
4.84						
C518	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.83						
C52	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.48						
C520	T-C520	1.59	10.97	0.64	15.95	1
175.16						
C521	C521	0.25	4.54	0.13	33.77	1
1.77						
C522	C522	0.29	5.02	0.15	33.20	1
6.36						
C524	T-C524	0.90	5.37	0.59	8.49	1
5.29						
C525	T-C525	0.92	11.18	0.62	18.00	1
19.78						
C525_3	C525	0.70	15.98	0.52	30.67	1
56.32						
C526	C526	0.46	5.77	0.16	36.15	1
11.80						
C527	T-C527	0.94	13.31	0.66	20.00	1
36.48						
C528	C528	0.27	1.28	0.10	12.09	1
1.32						
C53	C53	0.90	19.47	0.68	28.23	1
85.17						
C530	C530	0.16	3.01	0.09	33.95	1
1.76						
C535	TRAPEZOIDAL	0.50	1.50	0.29	5.00	1
2.08						
C537	T-C537	0.93	11.87	0.66	17.99	1
50.98						
C537_2	C537	0.21	3.27	0.09	34.54	1
3.32						
C537_3	TRAPEZOIDAL	1.00	3.50	0.59	5.50	1
2.58						
C537_4	CIRCULAR	0.60	0.28	0.15	0.60	1
0.10						

C54	C54	0.36	6.66	0.23	30.11	1
10.56						
C540	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.63						
C541	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.35						
C542	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.77						
C543	T-C543	1.21	11.06	0.53	19.54	1
7.39						
C545	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.74						
C546	T-C546	0.87	14.01	0.53	25.57	1
29.39						
C547	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.55						
C548	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
1.28						
C549	T-C549	0.98	13.31	0.66	20.01	1
87.32						
C55	C55	0.09	0.96	0.04	27.17	1
0.55						
C550	C550	0.35	7.67	0.23	33.22	1
7.06						
C551	C551	0.20	1.86	0.06	33.84	1
0.97						
C552	C552	0.38	6.50	0.19	33.41	1
19.43						
C553_1	C553	0.48	8.17	0.23	35.91	1
9.72						
C553_2	C553	0.48	8.17	0.23	35.91	1
9.64						
C554	T-C554	1.00	14.12	0.70	20.00	1
84.58						
C555	C555	0.82	7.40	0.21	35.63	1
5.91						
C556	C556	1.21	14.37	0.41	35.54	1
19.05						
C557	C557	0.33	6.94	0.19	35.64	1
7.42						
C558	C558	0.81	8.38	0.37	21.96	1
5.04						
C559	C559	1.14	17.21	0.41	40.90	1
80.74						
C56	T-C56	0.53	3.82	0.38	10.02	1
1.69						
C560_1	CIRCULAR	0.45	0.16	0.11	0.45	1
0.15						
C560_2	C560	1.27	19.99	0.47	41.29	1
61.04						
C561	C561	0.72	14.39	0.35	41.38	1
46.46						
C562	C562	0.84	15.36	0.43	35.79	1
38.22						
C564	C564	0.21	5.86	0.14	41.81	1
5.80						
C565	C565	0.25	3.54	0.09	37.52	1
4.25						
C566	C566	0.14	1.84	0.04	42.52	1
0.57						

C567	C567	0.14	1.41	0.05	30.80	1
0.38						
C568	C568	0.18	5.21	0.13	41.99	1
6.09						
C569	C569	0.19	2.61	0.06	43.43	1
1.26						
C57	C57	0.39	9.08	0.28	32.06	1
24.75						
C570	T-C570	1.02	13.99	0.69	20.03	1
142.86						
C571	T-C571	0.95	11.99	0.66	18.03	1
109.42						
C572	T-C572	1.12	15.02	0.75	20.02	1
45.57						
C573	T-C573	1.20	15.60	0.77	20.04	1
76.54						
C574	TRAPEZOIDAL	0.50	0.50	0.26	1.50	1
0.09						
C575	T-C575	1.11	13.28	0.66	20.03	1
50.28						
C577	T-C577	1.13	12.34	0.68	18.02	1
51.04						
C58	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.54						
C580	T-C580	0.92	10.71	0.59	18.01	1
114.58						
C581	T-C581	0.53	6.18	0.38	16.01	1
58.38						
C584	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.35						
C586	C586	0.33	11.18	0.20	54.96	1
25.61						
C587_1	C587	0.28	6.31	0.15	40.98	1
8.48						
C59	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.49						
C6	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.53						
C60	C60	0.23	2.75	0.09	30.14	1
2.79						
C600	C600	0.34	4.99	0.15	33.28	1
6.36						
C603	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.65						
C606	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.56						
C608	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.78						
C609	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.94						
C61	C61	0.27	3.19	0.10	30.22	1
3.94						
C610	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.11						
C614	C614	0.11	1.10	0.04	27.64	1
0.55						
C615	C615	2.72	53.88	1.79	29.51	1
259.13						
C617	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.61						

C62	C62	0.29	5.63	0.19	29.64	1
9.46						
C620	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.54						
C621_1	C621	0.12	1.70	0.05	31.30	1
1.03						
C621_2	C621	0.12	1.70	0.05	31.30	1
1.33						
C622	C622	0.09	1.46	0.04	32.87	1
0.73						
C624	C624	0.43	8.52	0.27	31.00	1
11.98						
C63	T-C63	1.16	20.37	0.53	37.78	1
80.98						
C64	T-C64	0.35	2.10	0.26	8.04	1
5.57						
C66	T-C66	0.67	2.81	0.46	6.06	1
14.61						
C67	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.40						
C68	T-C68	0.70	9.77	0.48	20.04	1
9.51						
C69	C69	0.46	9.92	0.32	30.32	1
26.76						
C7_1	T-C7_1	1.22	5.82	0.57	9.87	1
64.04						
C7_2	T-C7_2	0.93	5.11	0.49	10.13	1
26.67						
C70	CIRCULAR	1.00	0.79	0.25	1.00	1
3.44						
C71	T-C71	0.67	8.89	0.49	18.01	1
4.72						
C72	TRAPEZOIDAL	0.50	0.75	0.27	2.50	1
0.21						
C72_3	TRAPEZOIDAL	1.00	3.00	0.55	5.00	1
2.08						
C72_5	TRAPEZOIDAL	0.50	0.50	0.26	1.50	1
0.98						
C72_6	TRAPEZOIDAL	1.00	3.00	0.55	5.00	1
2.11						
C73	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.69						
C74	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.64						
C75	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
1.20						
C76	T-C76	0.72	9.07	0.45	19.95	1
71.02						
C77	C77	0.15	2.61	0.09	30.43	1
1.82						
C78	T-C78	0.80	10.15	0.56	18.00	1
23.78						
C79	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.40						
C8	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.26						
C80	CIRCULAR	0.40	0.13	0.10	0.40	1
0.23						
C81	T-C81	0.47	2.57	0.25	10.00	1
9.52						

C82	C82	0.22	3.63	0.13	30.14	1
5.66						
C83	TRAPEZOIDAL	1.00	3.00	0.55	5.00	1
2.09						
C84	T-C84	0.82	10.34	0.57	18.01	1
22.48						
C85	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.29						
C86	C86	0.26	4.42	0.14	30.42	1
5.07						
C87	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.32						
C88	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.83						
C9	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.25						
C9_1	12	0.87	5.69	0.56	10.03	1
9.76						
C9_2	9	0.82	4.30	0.42	10.02	1
12.54						
C90	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.76						
C91	T-C91	0.98	11.93	0.59	20.00	1
52.48						
C92	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
1.57						
C93	CIRCULAR	0.90	0.64	0.23	0.90	1
1.29						
C94	T-C94	1.03	12.06	0.60	20.01	1
49.81						
C95	TRAPEZOIDAL	1.00	3.00	0.55	5.00	1
3.59						
C96	C96	0.24	3.79	0.16	24.12	1
9.49						
C97	T-C97	1.12	12.91	0.64	20.02	1
47.56						
C98	CIRCULAR	0.60	0.28	0.15	0.60	1
0.48						
C99	TRAPEZOIDAL	0.50	1.25	0.27	4.50	1
0.47						

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Transect Summary
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Transect 1093
Area:

0.0002	0.0008	0.0018	0.0031	0.0049
0.0070	0.0095	0.0148	0.0238	0.0379
0.0545	0.0723	0.0913	0.1114	0.1319
0.1525	0.1733	0.1943	0.2155	0.2370
0.2587	0.2806	0.3027	0.3251	0.3478
0.3706	0.3937	0.4171	0.4406	0.4645
0.4885	0.5128	0.5374	0.5623	0.5874
0.6129	0.6385	0.6645	0.6907	0.7172
0.7440	0.7711	0.7985	0.8262	0.8543
0.8828	0.9116	0.9407	0.9702	1.0000

Hrad:

0.0149 0.0298 0.0447 0.0596 0.0744
0.0893 0.1042 0.0987 0.0942 0.0937
0.1086 0.1268 0.1460 0.1640 0.1926
0.2209 0.2489 0.2765 0.3033 0.3298
0.3560 0.3820 0.4078 0.4334 0.4587
0.4838 0.5087 0.5334 0.5579 0.5823
0.6058 0.6289 0.6518 0.6745 0.6970
0.7194 0.7416 0.7637 0.7857 0.8074
0.8291 0.8491 0.8683 0.8874 0.9064
0.9253 0.9441 0.9628 0.9814 1.0000

Width:

0.0130 0.0260 0.0389 0.0519 0.0649
0.0779 0.0908 0.2513 0.3739 0.5354
0.5744 0.6135 0.6525 0.6798 0.6855
0.6912 0.6968 0.7033 0.7112 0.7190
0.7269 0.7348 0.7427 0.7505 0.7584
0.7663 0.7742 0.7820 0.7899 0.7978
0.8065 0.8156 0.8247 0.8337 0.8428
0.8519 0.8610 0.8701 0.8792 0.8883
0.8973 0.9081 0.9196 0.9311 0.9426
0.9540 0.9655 0.9770 0.9885 1.0000

Transect 1094

Area:

0.0002 0.0007 0.0015 0.0026 0.0041
0.0059 0.0080 0.0104 0.0132 0.0163
0.0197 0.0249 0.0364 0.0524 0.0709
0.0905 0.1113 0.1332 0.1557 0.1784
0.2012 0.2242 0.2473 0.2706 0.2942
0.3183 0.3427 0.3675 0.3926 0.4181
0.4440 0.4703 0.4969 0.5238 0.5510
0.5785 0.6063 0.6345 0.6629 0.6916
0.7207 0.7501 0.7797 0.8098 0.8403
0.8713 0.9028 0.9347 0.9671 1.0000

Hrad:

0.0163 0.0326 0.0489 0.0652 0.0815
0.0978 0.1141 0.1304 0.1466 0.1629
0.1792 0.1811 0.1585 0.1493 0.1580
0.1733 0.1912 0.1965 0.2282 0.2598
0.2911 0.3223 0.3532 0.3813 0.4082
0.4349 0.4612 0.4872 0.5130 0.5385
0.5638 0.5888 0.6147 0.6407 0.6664
0.6920 0.7173 0.7425 0.7674 0.7922
0.8168 0.8413 0.8654 0.8849 0.9043
0.9236 0.9428 0.9619 0.9810 1.0000

Width:

0.0099 0.0197 0.0296 0.0394 0.0493
0.0591 0.0690 0.0789 0.0887 0.0986
0.1084 0.2688 0.4216 0.5409 0.5755
0.6100 0.6445 0.6781 0.6824 0.6867
0.6910 0.6953 0.6996 0.7092 0.7203
0.7315 0.7426 0.7538 0.7649 0.7761
0.7872 0.7984 0.8079 0.8172 0.8264
0.8357 0.8449 0.8542 0.8635 0.8727
0.8820 0.8912 0.9006 0.9148 0.9290
0.9432 0.9574 0.9716 0.9858 1.0000

0.1888	0.2005	0.2003	0.2024	0.1870
0.1199	0.1538	0.1875	0.2209	0.2541
0.2872	0.3200	0.3527	0.3851	0.4161
0.4467	0.4771	0.5073	0.5372	0.5668
0.5963	0.6255	0.6546	0.6834	0.7120
0.7404	0.7687	0.7967	0.8246	0.8441
0.8623	0.8804	0.8986	0.9167	0.9347
0.9492	0.9616	0.9742	0.9870	1.0000

Width:

0.0127	0.0253	0.0380	0.0506	0.0633
0.0759	0.0886	0.1012	0.1139	0.1265
0.1392	0.1561	0.1859	0.3287	0.4901
0.6667	0.6709	0.6750	0.6792	0.6833
0.6874	0.6916	0.6957	0.6999	0.7063
0.7130	0.7196	0.7262	0.7329	0.7395
0.7461	0.7528	0.7594	0.7660	0.7727
0.7793	0.7859	0.7926	0.7992	0.8139
0.8298	0.8458	0.8618	0.8778	0.8937
0.9132	0.9349	0.9566	0.9783	1.0000

****
Analysis Options
****
Flow Units ..... CMS
Process Models:
  Rainfall/Runoff ..... YES
  RDII ..... NO
  Snowmelt ..... NO
  Groundwater ..... NO
  Flow Routing ..... YES
  Ponding Allowed ..... YES
  Water Quality ..... NO
Infiltration Method ..... CURVE_NUMBER
Flow Routing Method ..... DYNWAVE
Surcharge Method ..... EXTRAN
Starting Date 09/13/2025 00:00:00
Ending Date 09/15/2025 00:00:00
Antecedent Dry Days 0.0
Report Time Step 00:01:00
Wet Time Step 00:05:00
Dry Time Step 00:05:00
Routing Time Step ..... 5.00 sec
Variable Time Step ..... YES
Maximum Trials 8
Number of Threads 6
Head Tolerance ..... 0.001500 m

**********	Volume	Depth
Runoff Quantity Continuity	hectare-m	mm
**********	---------	-------
Total Precipitation	6.917	25.001
Evaporation Loss	0.000	0.000
Infiltration Loss	6.152	22.237
Surface Runoff	0.436	1.575
Final Storage	0.332	1.200

```
Continuity Error (%) .....        -0.048

**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......         0.435         4.354
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
External Inflow ..........         0.000         0.000
External Outflow .........         0.367         3.666
Flooding Loss ............         0.000         0.000
Evaporation Loss .........         0.000         0.000
Exfiltration Loss ........         0.000         0.000
Initial Stored Volume ....         0.146         1.456
Final Stored Volume ......         0.222         2.217
Continuity Error (%) .....        -1.246


*************************
Highest Continuity Errors
*************************
Node 31478 (100.00%)
Node J1336 (100.00%)
Node 31572 (81.14%)
Node 30947 (63.59%)
Node 30961 (61.47%)


***************************
Time-Step Critical Elements
***************************
Link C304_2 (17.26%)
Link C20 (15.37%)


*******************************
Highest Flow Instability Indexes
*******************************
Link C561 (2)
Link C562 (1)
Link C371 (1)


*******************************
Most Frequent Nonconverging Nodes
*******************************
Convergence obtained at all time steps.


*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     0.00 sec
Average Time Step           :     4.05 sec
Maximum Time Step           :     5.00 sec
```

```
  % of Time in Steady State   :     0.00
  Average Iterations per Step :     2.00
  % of Steps Not Converging   :     0.00
  Time Step Frequencies       :
      5.000 -  3.155 sec      :    75.75 %
      3.155 -  1.991 sec      :    10.16 %
      1.991 -  1.256 sec      :     7.04 %
      1.256 -  0.792 sec      :     6.03 %
      0.792 -  0.500 sec      :     1.02 %


  ***************************
  Subcatchment Runoff Summary
  ***************************

  ------------------------------------------------------------------------------------
-----------------------------------------------
                             Total      Total      Total      Total     Imperv
Perv      Total       Total     Peak  Runoff
                          Precip      Runon       Evap      Infil     Runoff
Runoff     Runoff      Runoff   Runoff   Coeff
  Subcatchment                mm         mm         mm         mm         mm
mm         mm    10^6 ltr      CMS
  ------------------------------------------------------------------------------------
-----------------------------------------------
  S1                          25.00       0.00       0.00      22.61       1.19
0.00       1.19        0.00     0.00   0.048
  S10                         25.00       0.00       0.00      22.61       1.19
0.00       1.19        0.00     0.00   0.048
  S100                        25.00       0.00       0.00       0.00      23.91
0.00      23.91        0.07     0.06   0.956
  S101                        25.00       0.00       0.00      22.61       1.20
0.00       1.20        0.00     0.00   0.048
  S102                        25.00       0.00       0.00      22.61       1.20
0.00       1.20        0.01     0.00   0.048
  S103                        25.00       0.00       0.00      22.61       1.20
0.00       1.20        0.01     0.01   0.048
  S104                        25.00       0.00       0.00      22.61       1.20
0.00       1.20        0.00     0.00   0.048
  S105                        25.00       0.00       0.00       0.00      23.87
0.00      23.87        0.02     0.02   0.955
  S106                        25.00       0.00       0.00      22.61       1.20
0.00       1.20        0.01     0.00   0.048
  S107                        25.00       0.00       0.00      22.61       1.21
0.00       1.21        0.01     0.01   0.048
  S108                        25.00       0.00       0.00      22.61       1.19
0.00       1.19        0.01     0.01   0.048
  S109                        25.00       0.00       0.00      22.61       1.20
0.00       1.20        0.01     0.01   0.048
  S11                         25.00       0.00       0.00      22.61       1.20
0.00       1.20        0.00     0.00   0.048
  S110                        25.00       0.00       0.00       0.00      24.07
0.00      24.07        0.01     0.01   0.963
  S111                        25.00       0.00       0.00       0.00      24.07
0.00      24.07        0.01     0.01   0.963
  S112                        25.00       0.00       0.00      22.61       1.19
0.00       1.19        0.00     0.00   0.048
  S114                        25.00       0.00       0.00      22.61       1.20
0.00       1.20        0.01     0.01   0.048
```

S114_3			25.00	0.00	0.00	4.65	18.14	
1.07	19.20	0.04	0.03	0.768				
S115			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S116			25.00	0.00	0.00	22.61	1.19	
0.00	1.19	0.01	0.00	0.048				
S117			25.00	0.00	0.00	22.56	1.20	
0.00	1.20	0.00	0.00	0.048				
S118			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S119			25.00	0.00	0.00	22.59	1.20	
0.00	1.20	0.02	0.01	0.048				
S12			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.00	0.048				
S120			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S121			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.00	0.048				
S122			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S123			25.00	0.00	0.00	22.60	1.20	
0.00	1.20	0.02	0.01	0.048				
S124			25.00	0.00	0.00	22.61	1.21	
0.00	1.21	0.03	0.02	0.048				
S124_1			25.00	0.00	0.00	5.70	18.31	
0.00	18.31	0.01	0.01	0.732				
S124_2			25.00	0.00	0.00	5.70	18.31	
0.00	18.31	0.03	0.02	0.732				
S125			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S126			25.00	0.00	0.00	22.61	1.21	
0.00	1.21	0.02	0.02	0.048				
S127			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S128			25.00	0.00	0.00	22.61	1.19	
0.00	1.19	0.01	0.01	0.048				
S129			25.00	0.00	0.00	22.61	1.21	
0.00	1.21	0.01	0.01	0.048				
S13			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S130			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S131			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S132			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S133			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S134			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S135			25.00	0.00	0.00	22.61	1.19	
0.00	1.19	0.01	0.01	0.048				
S136_1			25.00	0.00	0.00	5.70	18.24	
0.00	18.24	0.01	0.01	0.730				
S136_2			25.00	0.00	0.00	5.70	18.24	
0.00	18.24	0.01	0.01	0.730				
S138			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S139			25.00	0.00	0.00	22.61	1.19	
0.00	1.19	0.00	0.00	0.048				

S14			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S140			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S141			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S142			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S143			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.00	0.00	0.048			
S146			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S148			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S15			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S150			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S151			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S152			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S154			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S155			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S158			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S159			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S16			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.01	0.01	0.048			
S161			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S162			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S163			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S166			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S167			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S168_1			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S169			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S17			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S170			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S177			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S179			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S18			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S183			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S185			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			

S186			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S19			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S190			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S192			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S195			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S197			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S2			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S20			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S200			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S201			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S202			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S203			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S207			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S21			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S210			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S212			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S214			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S215			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S218			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.01	0.00	0.048			
S219			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S22			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S220			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S221_1			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S223_1			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S224			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S225			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S228			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S23			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S234_2			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S235			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			

S238			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S24			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S240			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.00	0.048				
S241			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S242			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.02	0.02	0.048				
S245			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S247_2			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S248			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S25			25.00	0.00	0.00	22.61	1.19	
0.00	1.19	0.00	0.00	0.048				
S250			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S252			25.00	0.00	0.00	22.61	1.19	
0.00	1.19	0.00	0.00	0.048				
S26			25.00	0.00	0.00	22.61	1.19	
0.00	1.19	0.00	0.00	0.048				
S260_2			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S262			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.00	0.048				
S266			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S267			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S268			25.00	0.00	0.00	22.61	1.19	
0.00	1.19	0.00	0.00	0.048				
S269_1			25.00	0.00	0.00	22.61	1.19	
0.00	1.19	0.01	0.00	0.048				
S27			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.00	0.048				
S272			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S275			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S276			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S278_2			25.00	0.00	0.00	22.61	1.21	
0.00	1.21	0.00	0.00	0.048				
S278_3			25.00	0.00	0.00	22.61	1.21	
0.00	1.21	0.00	0.00	0.048				
S279			25.00	0.00	0.00	22.61	1.19	
0.00	1.19	0.00	0.00	0.048				
S28			25.00	0.00	0.00	22.61	1.21	
0.00	1.21	0.01	0.00	0.048				
S283			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S285			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.00	0.048				
S286			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S288			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				

S29			25.00	0.00	0.00	22.61	1.19	
0.00	1.19	0.01	0.01	0.048				
S290			25.00	0.00	0.00	22.61	1.21	
0.00	1.21	0.00	0.00	0.048				
S291			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S295			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S296			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S299			25.00	0.00	0.00	22.61	1.19	
0.00	1.19	0.01	0.01	0.048				
S3			25.00	0.48	0.00	23.08	1.23	
0.00	1.23	0.02	0.02	0.048				
S3_1			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S30			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S300_1			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S301			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.00	0.048				
S304			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.00	0.048				
S307			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S309			25.00	0.00	0.00	22.61	1.19	
0.00	1.19	0.01	0.00	0.048				
S31			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S310			25.00	0.00	0.00	22.61	1.19	
0.00	1.19	0.00	0.00	0.048				
S313			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.00	0.048				
S314			25.00	0.00	0.00	22.61	1.19	
0.00	1.19	0.00	0.00	0.048				
S315			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S316			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S317			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S318			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.00	0.048				
S32			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S320			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S324_1			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S324_3			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S326			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.00	0.048				
S328			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S33			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S330			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				

S334_1			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S335			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S336			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.01	0.01	0.048			
S339			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S34			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S340			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S341			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.01	0.00	0.048			
S345			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S35			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S350_4			25.00	1.32	0.00	23.86	1.27
0.00	1.27	0.01	0.01	0.048			
S355			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S357			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S358_1			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S36			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S361			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S362			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S364			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S365			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S367			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S368			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S369_1			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.00	0.00	0.048			
S37			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S372			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S373			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.01	0.00	0.048			
S374			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S375			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S378			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S38			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S380_1			25.00	0.00	0.00	5.71	18.28
0.00	18.28	0.00	0.00	0.731			
S384			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.01	0.01	0.048			

S387			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S39			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.00	0.048			
S391			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S392			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S395			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S397			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.01	0.00	0.048			
S398			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.01	0.01	0.048			
S399			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.02	0.01	0.048			
S4			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.02	0.02	0.048			
S40			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S403			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.01	0.00	0.048			
S405			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S406			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S408			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S409			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S41			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S411			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S414_1			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S416			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S417			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S419			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.01	0.01	0.048			
S42			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S421			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S423_1			25.00	0.00	0.00	5.71	18.30
0.00	18.30	0.00	0.00	0.732			
S423_3			25.00	3.41	0.00	25.66	1.37
0.16	1.52	0.00	0.00	0.054			
S424			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S425			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S426_1			25.00	0.00	0.00	5.71	18.24
0.00	18.24	0.00	0.00	0.730			
S426_3			25.00	1.81	0.00	24.33	1.29
0.00	1.29	0.00	0.00	0.048			
S428			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			

S429			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.00	0.048				
S43			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S430_1			25.00	0.00	0.00	5.71	18.37	
0.00	18.37	0.00	0.00	0.735				
S431			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.00	0.048				
S434_1			25.00	0.00	0.00	22.61	1.19	
0.00	1.19	0.00	0.00	0.048				
S437			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S439			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S44			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S442			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S443			25.00	0.00	0.00	22.61	1.21	
0.00	1.21	0.00	0.00	0.048				
S445_2			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S446			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.00	0.048				
S447			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S448			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S45			25.00	0.00	0.00	22.61	1.19	
0.00	1.19	0.00	0.00	0.048				
S453			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.02	0.01	0.048				
S455			25.00	0.00	0.00	22.61	1.21	
0.00	1.21	0.01	0.01	0.048				
S458			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S46			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S462			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.00	0.048				
S464_5			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.00	0.048				
S466			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048				
S467_1			25.00	0.00	0.00	5.71	18.35	
0.00	18.35	0.00	0.00	0.734				
S467_2			25.00	0.66	0.00	23.23	1.23	
0.00	1.23	0.00	0.00	0.048				
S468			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S469			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.00	0.048				
S47			25.00	0.00	0.00	22.61	1.21	
0.00	1.21	0.01	0.01	0.048				
S476			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.00	0.048				
S477			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				
S478			25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048				

S479			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S48			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S481			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S484			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.01	0.01	0.048			
S487			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.01	0.00	0.048			
S49			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S492			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S493			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S494			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.01	0.01	0.048			
S496			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S497			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S498			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S499			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S5			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.02	0.02	0.048			
S50			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.00	0.048			
S503			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S504_1			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.00	0.00	0.048			
S504_2			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.00	0.00	0.048			
S505			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S506			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S51			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S510			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S513			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S514_1			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.00	0.00	0.048			
S514_2			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.00	0.00	0.048			
S516			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S517			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.01	0.01	0.048			
S518			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S52			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S520			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			

S522			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S524			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S525			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S528			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S529			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S53			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S534			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.00	0.048			
S536			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S538			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.01	0.01	0.048			
S539			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S54			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S540			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S545			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.00	0.048			
S547			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S549			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S55			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S551			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S552			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S553			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S555			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S556			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S559			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.00	0.048			
S56			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S560			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.00	0.00	0.048			
S562			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S564			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S565			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S566			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S57			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S570			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			

S571			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.02	0.02	0.048			
S572			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S573			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S575			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.00	0.048			
S579			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S58			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S581			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S582			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S584			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S585			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S587			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S589			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S59			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S590			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S591			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.00	0.00	0.048			
S594			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S598			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.00	0.048			
S599			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.00	0.00	0.048			
S6			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S60			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S601			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S603			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S604			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S605			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S607			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S608			25.00	2.09	0.00	24.56	1.30
0.00	1.30	0.00	0.00	0.048			
S609			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S61			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S610			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S611			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			

S612			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S613			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S617			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S619			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S62			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S620			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S621			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S623			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S625			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S627			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.00	0.00	0.048			
S628			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S629			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S63			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S631			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S634			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S635			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S636			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S638			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S639			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S64			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S640			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S641			25.00	3.28	0.00	25.66	1.37
0.06	1.43	0.00	0.00	0.051			
S642			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S643			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S644			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S647			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S648			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S65			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.02	0.01	0.048			
S651			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S652			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			

S653			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S654			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.00	0.048			
S655			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S658			25.00	0.57	0.00	23.16	1.23
0.00	1.23	0.01	0.01	0.048			
S66			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S660			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S663			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S665			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S667			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S668			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S67			25.00	1.45	0.00	23.94	1.27
0.00	1.27	0.01	0.01	0.048			
S670			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S671			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S672			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S673			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S678			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.02	0.01	0.048			
S679			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S68			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S681			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S682_1			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S682_2			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S684			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.00	0.048			
S686			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S688			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S689			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S69			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S693			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S694			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S696			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.01	0.01	0.048			
S697			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			

S699			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S7			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.02	0.01	0.048			
S70			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S701			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S704			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S705_2			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.01	0.01	0.048			
S71			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S713			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S716			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S718			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S719			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S72			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S727			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S729			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S73			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.02	0.01	0.048			
S735			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S739			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S74			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S745			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S748			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S75			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.03	0.02	0.048			
S750			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S755			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S756			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S758			25.00	13.27	0.00	28.16	1.86
7.05	8.91	0.03	0.01	0.233			
S76			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S762			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S764			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S765_2			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S765_4			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			

S767			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S768			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S769			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S77			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S772			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S774			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S776			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S777			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.01	0.00	0.048			
S78			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S780			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S782			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S785			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S788			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S789			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S79			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.00	0.048			
S793			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S795			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S796_1			25.00	14.51	0.00	25.81	1.92
10.61	12.52	0.02	0.00	0.317			
S796_2			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S799			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S8			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S80			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S800			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S801			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S802			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S804			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S807			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S808			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S809			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S81			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			

S810			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S815			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S817			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S819			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S82			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.01	0.01	0.048			
S823			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S824			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S826			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.00	0.00	0.048			
S827			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.00	0.00	0.048			
S83			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.02	0.02	0.048			
S830			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S834			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S835			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S836			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S838			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S84			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.01	0.048			
S840			25.00	0.00	0.00	22.61	1.21
0.00	1.21	0.01	0.01	0.048			
S843			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S844			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.01	0.00	0.048			
S845			25.00	1.55	0.00	24.02	1.28
0.00	1.28	0.00	0.00	0.048			
S846			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S847			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			
S849			25.00	1.00	0.00	23.55	1.25
0.00	1.25	0.01	0.01	0.048			
S85			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S854			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S855			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S856			25.00	1.17	0.00	23.70	1.26
0.00	1.26	0.01	0.01	0.048			
S857			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.01	0.00	0.048			
S858			25.00	0.00	0.00	22.61	1.20
0.00	1.20	0.00	0.00	0.048			
S859			25.00	0.00	0.00	22.61	1.19
0.00	1.19	0.00	0.00	0.048			

S86		25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048			
S87		25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.02	0.02	0.048			
S88		25.00	0.00	0.00	22.61	1.19	
0.00	1.19	0.01	0.01	0.048			
S89		25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048			
S892_1		25.00	0.00	0.00	1.24	18.34	
3.49	21.84	0.00	0.00	0.873			
S892_2		25.00	0.00	0.00	0.00	24.06	
0.00	24.06	0.12	0.08	0.963			
S893_1		25.00	0.00	0.00	1.24	18.34	
3.49	21.84	0.01	0.00	0.873			
S893_2		25.00	0.00	0.00	0.00	24.07	
0.00	24.07	0.14	0.10	0.963			
S894_1		25.00	0.00	0.00	1.24	18.33	
3.50	21.83	0.01	0.01	0.873			
S894_3		25.00	0.00	0.00	0.00	24.08	
0.00	24.08	0.04	0.03	0.963			
S895_4		25.00	0.00	0.00	4.92	1.20	
14.38	15.58	0.00	0.00	0.623			
S896_1		25.00	0.00	0.00	1.24	18.34	
3.49	21.84	0.00	0.00	0.873			
S896_2		25.00	0.00	0.00	0.00	24.07	
0.00	24.07	0.10	0.07	0.963			
S897_2		25.00	0.00	0.00	0.00	24.07	
0.00	24.07	0.09	0.06	0.963			
S897_3		25.00	0.00	0.00	1.24	18.35	
3.49	21.84	0.00	0.00	0.873			
S898		25.00	0.00	0.00	0.00	23.85	
0.00	23.85	0.01	0.01	0.954			
S899		25.00	0.00	0.00	5.22	18.34	
0.48	18.82	0.00	0.00	0.753			
S9		25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.00	0.048			
S90		25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048			
S900		25.00	0.00	0.00	5.18	18.35	
0.52	18.87	0.02	0.02	0.755			
S901_2		25.00	0.00	0.00	0.00	24.07	
0.00	24.07	0.10	0.07	0.963			
S902		25.00	0.00	0.00	5.18	18.35	
0.52	18.87	0.03	0.02	0.755			
S903		25.00	0.00	0.00	5.18	18.35	
0.52	18.87	0.03	0.02	0.755			
S904_3		25.00	0.00	0.00	0.00	24.08	
0.00	24.08	0.07	0.05	0.963			
S904_4		25.00	0.00	0.00	1.24	18.35	
3.49	21.84	0.01	0.01	0.873			
S905_2		25.00	0.00	0.00	0.00	24.15	
0.00	24.15	0.01	0.01	0.966			
S905_3		25.00	0.00	0.00	5.70	18.36	
0.00	18.36	0.00	0.00	0.734			
S905_5		25.00	0.00	0.00	5.70	18.36	
0.00	18.36	0.00	0.00	0.734			
S908_3		25.00	15.49	0.00	0.00	39.52	
0.00	39.52	0.01	0.01	0.976			
S91		25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048			

S910_2		25.00	0.00	0.00	4.72	18.19	
0.99	19.18	0.04	0.03	0.767			
S911_2		25.00	0.00	0.00	4.72	18.19	
0.99	19.18	0.03	0.02	0.767			
S912_3		25.00	0.00	0.00	4.72	18.19	
0.99	19.18	0.02	0.02	0.767			
S915_2		25.00	0.00	0.00	4.72	18.19	
0.99	19.18	0.03	0.02	0.767			
S916_2		25.00	0.00	0.00	4.72	18.19	
0.99	19.18	0.04	0.03	0.767			
S92		25.00	0.00	0.00	22.61	1.21	
0.00	1.21	0.01	0.01	0.048			
S93		25.00	3.23	0.00	25.57	1.36	
0.11	1.47	0.00	0.00	0.052			
S94		25.00	1.64	0.00	24.15	1.28	
0.00	1.28	0.00	0.00	0.048			
S95		25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048			
S96		25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.00	0.048			
S97		25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.00	0.00	0.048			
S98		25.00	0.00	0.00	3.83	18.34	
1.94	20.28	0.00	0.00	0.811			
S99		25.00	0.00	0.00	22.61	1.20	
0.00	1.20	0.01	0.01	0.048			

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Node Depth Summary
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Node	Type	Average Depth Meters	Maximum Depth Meters	Maximum HGL Meters	Time of Max Occurrence days hr:min	Reported Max Depth Meters
15017	JUNCTION	0.04	0.06	95.47	0 01:44	0.06
15023	JUNCTION	0.01	0.03	95.46	0 01:46	0.03
15115	JUNCTION	0.01	0.04	96.06	0 01:55	0.04
15161	JUNCTION	0.02	0.10	95.51	0 01:40	0.10
15169	JUNCTION	0.00	0.00	95.50	0 00:00	0.00
15183	JUNCTION	0.04	0.06	95.47	0 01:43	0.06
15526	JUNCTION	0.00	0.03	95.41	0 01:48	0.03
15536	JUNCTION	0.00	0.03	95.30	0 01:54	0.03
16468	JUNCTION	0.00	0.04	96.26	0 01:40	0.04
16472	JUNCTION	0.00	0.00	96.77	0 00:00	0.00
16496	JUNCTION	0.00	0.04	96.31	0 01:40	0.04
16553	JUNCTION	0.00	0.00	96.37	0 00:00	0.00
16555	JUNCTION	0.00	0.00	96.79	0 00:00	0.00
16576	JUNCTION	0.00	0.00	96.48	0 00:00	0.00
16611	JUNCTION	0.00	0.05	96.45	0 01:37	0.05
16639	JUNCTION	0.00	0.03	96.20	0 01:40	0.03
16641	JUNCTION	0.00	0.00	96.41	0 00:00	0.00
16677	JUNCTION	0.02	0.11	96.02	0 01:51	0.11
16797	JUNCTION	0.01	0.05	96.64	0 01:53	0.05
16799	JUNCTION	0.00	0.00	97.10	0 00:00	0.00
16815	JUNCTION	0.01	0.07	96.76	0 01:49	0.07

16874	JUNCTION	0.01	0.04	96.98	0	01:48	0.04
16876	JUNCTION	0.00	0.00	97.44	0	00:00	0.00
16902	JUNCTION	0.00	0.06	97.08	0	01:48	0.06
17000	JUNCTION	0.00	0.04	97.27	0	01:44	0.04
17050	JUNCTION	0.01	0.07	97.39	0	01:43	0.07
17077	JUNCTION	0.00	0.00	97.47	0	00:00	0.00
17111	JUNCTION	0.00	0.00	97.14	0	00:00	0.00
17114	JUNCTION	0.00	0.00	98.13	0	00:00	0.00
17125	JUNCTION	0.00	0.00	97.51	0	00:00	0.00
17181	JUNCTION	0.00	0.00	97.98	0	00:00	0.00
17189	JUNCTION	0.00	0.00	97.80	0	00:00	0.00
17196	JUNCTION	0.00	0.00	98.42	0	00:00	0.00
17316	JUNCTION	0.00	0.04	94.89	0	01:40	0.04
30259	JUNCTION	0.03	0.09	92.21	0	01:54	0.09
30277	JUNCTION	0.01	0.05	92.51	0	01:54	0.05
30280	JUNCTION	0.04	0.12	92.63	0	01:54	0.12
30327	JUNCTION	0.02	0.06	92.72	0	01:51	0.06
30340	JUNCTION	0.00	0.02	92.73	0	01:45	0.02
30354	JUNCTION	0.06	0.08	92.73	0	01:44	0.08
30371	JUNCTION	0.01	0.03	92.73	0	01:46	0.03
30384	JUNCTION	0.00	0.02	92.77	0	01:41	0.02
30405	JUNCTION	0.01	0.03	92.82	0	01:40	0.03
30418	JUNCTION	0.09	0.16	92.88	0	02:56	0.16
30433	JUNCTION	0.02	0.07	92.88	0	02:53	0.07
30475	JUNCTION	0.03	0.09	92.94	0	02:54	0.09
30476	JUNCTION	0.04	0.12	92.96	0	02:30	0.12
30513	JUNCTION	0.01	0.06	93.10	0	02:22	0.06
30534	JUNCTION	0.00	0.02	93.11	0	02:19	0.02
30562	JUNCTION	0.01	0.03	93.18	0	02:16	0.03
30584	JUNCTION	0.01	0.04	93.19	0	02:14	0.04
30612	JUNCTION	0.00	0.02	93.31	0	01:40	0.02
30626	JUNCTION	0.00	0.02	93.31	0	01:47	0.02
30654	JUNCTION	0.00	0.02	93.34	0	01:40	0.02
30690	JUNCTION	0.00	0.04	93.27	0	01:40	0.04
30703	JUNCTION	0.01	0.08	93.07	0	01:47	0.08
30723	JUNCTION	0.01	0.09	93.07	0	01:46	0.09
30741	JUNCTION	0.00	0.02	92.94	0	01:46	0.02
30776	JUNCTION	0.06	0.15	92.83	0	03:40	0.15
30790	JUNCTION	0.01	0.03	93.08	0	01:42	0.03
30821	JUNCTION	0.01	0.04	93.22	0	01:41	0.04
30846	JUNCTION	0.00	0.02	93.53	0	01:40	0.02
30874	JUNCTION	0.00	0.01	94.14	0	01:40	0.01
30901	JUNCTION	0.00	0.00	95.23	0	00:00	0.00
30919	JUNCTION	0.00	0.01	95.12	0	01:35	0.01
30933	JUNCTION	0.00	0.00	94.50	0	01:40	0.00
30947	JUNCTION	0.07	0.08	93.92	0	05:03	0.08
30961	JUNCTION	0.13	0.14	93.92	0	05:02	0.14
30982	JUNCTION	0.00	0.01	93.92	0	05:05	0.01
30996	JUNCTION	0.00	0.01	93.91	0	05:26	0.01
31010	JUNCTION	0.04	0.06	93.86	0	01:45	0.06
31024	JUNCTION	0.00	0.01	93.86	0	01:44	0.01
31055	JUNCTION	0.01	0.03	93.39	0	04:12	0.03
31056	JUNCTION	0.00	0.00	94.36	0	00:00	0.00
31133	JUNCTION	0.10	0.11	93.67	0	04:15	0.11
31143	JUNCTION	0.06	0.08	93.67	0	04:14	0.08
31158	JUNCTION	0.19	0.21	93.67	0	04:14	0.21
31164	JUNCTION	0.09	0.11	93.67	0	04:15	0.11

31168	JUNCTION	0.01	0.02	93.67	0	04:15	0.02
31233	JUNCTION	0.11	0.13	93.68	0	01:53	0.13
31240	JUNCTION	0.00	0.02	93.68	0	01:53	0.02
31248	JUNCTION	0.08	0.09	93.67	0	04:12	0.09
31256	JUNCTION	0.06	0.07	93.67	0	04:13	0.07
31266	JUNCTION	0.02	0.03	93.67	0	04:13	0.03
31274	JUNCTION	0.12	0.14	93.67	0	04:13	0.14
31282	JUNCTION	0.14	0.16	93.67	0	04:13	0.16
31294	JUNCTION	0.07	0.09	93.67	0	04:13	0.09
31330	JUNCTION	0.20	0.21	93.55	1	22:40	0.21
31332	JUNCTION	0.00	0.00	94.31	0	00:00	0.00
31346	JUNCTION	0.00	0.02	93.72	0	01:52	0.02
31347	JUNCTION	0.00	0.02	93.88	0	01:52	0.02
31349	JUNCTION	0.00	0.00	93.82	0	00:00	0.00
31361	JUNCTION	0.00	0.00	93.63	0	00:00	0.00
31376	JUNCTION	0.00	0.02	93.65	0	01:40	0.02
31385	JUNCTION	0.00	0.00	93.69	0	00:00	0.00
31401	JUNCTION	0.00	0.00	93.73	0	00:00	0.00
31415	JUNCTION	0.00	0.00	93.89	0	00:00	0.00
31422	JUNCTION	0.00	0.00	93.71	0	00:00	0.00
31436	JUNCTION	0.00	0.00	93.78	0	00:00	0.00
31443	JUNCTION	0.00	0.00	93.73	0	00:00	0.00
31457	JUNCTION	0.00	0.00	93.84	0	00:00	0.00
31464	JUNCTION	0.00	0.00	93.75	0	00:00	0.00
31478	JUNCTION	0.05	0.06	93.70	2	00:00	0.06
31485	JUNCTION	0.00	0.00	93.71	0	00:00	0.00
31499	JUNCTION	0.02	0.07	93.70	0	01:43	0.07
31513	JUNCTION	0.02	0.05	93.68	0	01:39	0.05
31527	JUNCTION	0.03	0.05	93.66	0	01:46	0.05
31541	JUNCTION	0.00	0.02	93.66	0	01:47	0.02
31557	JUNCTION	0.00	0.01	93.51	0	01:40	0.01
31572	JUNCTION	0.32	0.34	93.49	1	23:58	0.34
31583	JUNCTION	0.00	0.00	92.97	0	00:00	0.00
31584	JUNCTION	0.00	0.00	93.53	0	00:00	0.00
31602	JUNCTION	0.02	0.04	93.51	0	01:45	0.04
31616	JUNCTION	0.00	0.01	93.58	0	01:43	0.01
31630	JUNCTION	0.00	0.02	93.57	0	01:40	0.01
31644	JUNCTION	0.00	0.03	93.55	0	01:41	0.03
31659	JUNCTION	0.21	0.27	93.09	0	04:20	0.27
31679	JUNCTION	0.02	0.06	93.30	0	04:24	0.06
31692	JUNCTION	0.10	0.18	93.36	0	04:23	0.18
31717	JUNCTION	0.08	0.16	93.36	0	04:23	0.16
31727	JUNCTION	0.09	0.10	94.53	0	02:02	0.10
31735	JUNCTION	0.01	0.08	94.62	0	01:43	0.08
33074	JUNCTION	0.01	0.02	94.53	0	02:02	0.02
33088	JUNCTION	0.00	0.03	94.19	0	02:04	0.03
33102	JUNCTION	0.00	0.02	94.15	0	02:07	0.02
33116	JUNCTION	0.01	0.03	94.07	0	02:10	0.03
33130	JUNCTION	0.00	0.00	93.93	0	02:10	0.00
33147	JUNCTION	0.02	0.04	93.73	0	04:18	0.04
33161	JUNCTION	0.02	0.05	93.62	0	04:18	0.05
35248	JUNCTION	0.00	0.05	96.13	0	01:40	0.05
35262	JUNCTION	0.01	0.06	96.18	0	01:40	0.06
J10	JUNCTION	0.06	0.45	96.22	0	01:41	0.45
J100	JUNCTION	0.00	0.03	98.40	0	01:40	0.03
J1002	JUNCTION	0.01	0.04	94.21	0	01:58	0.04
J1006	JUNCTION	0.00	0.02	94.06	0	01:40	0.02

J1010	JUNCTION	0.03	0.07	93.78	0	02:41	0.07
J102	JUNCTION	0.00	0.02	98.28	0	01:41	0.02
J1032	JUNCTION	0.00	0.07	93.93	0	01:42	0.07
J1036	JUNCTION	0.03	0.05	93.57	0	03:16	0.05
J1052	JUNCTION	0.00	0.02	93.90	0	01:41	0.02
J1060	JUNCTION	0.00	0.01	93.81	0	01:42	0.01
J1065	JUNCTION	0.00	0.02	93.74	0	01:41	0.02
J109	JUNCTION	0.00	0.04	98.39	0	01:40	0.04
J1094	JUNCTION	0.00	0.07	93.84	0	01:42	0.07
J11	JUNCTION	0.01	0.04	95.71	0	01:46	0.04
J1100	JUNCTION	0.00	0.09	93.65	0	01:40	0.09
J1102	JUNCTION	0.00	0.03	93.68	0	02:03	0.03
J1110	JUNCTION	0.00	0.03	93.64	0	01:41	0.03
J1114	JUNCTION	0.00	0.02	93.60	0	01:40	0.02
J112	JUNCTION	0.00	0.04	97.58	0	01:40	0.04
J1133	JUNCTION	0.00	0.09	93.61	0	01:41	0.09
J114	JUNCTION	0.00	0.03	97.68	0	01:45	0.03
J1142	JUNCTION	0.01	0.04	93.51	0	01:45	0.04
J1146	JUNCTION	0.01	0.14	93.53	0	01:46	0.14
J1148	JUNCTION	0.01	0.04	93.41	0	01:55	0.04
J1158	JUNCTION	0.02	0.13	93.49	0	01:40	0.13
J116	JUNCTION	0.00	0.02	96.47	0	01:40	0.02
J1161	JUNCTION	0.00	0.03	93.37	0	02:02	0.03
J1163	JUNCTION	0.01	0.14	93.53	0	01:47	0.14
J1165	JUNCTION	0.00	0.10	93.51	0	01:40	0.10
J1180	JUNCTION	0.01	0.05	93.32	0	02:08	0.05
J12	JUNCTION	0.02	0.41	96.23	0	01:41	0.41
J12_1	JUNCTION	0.00	0.00	96.33	0	00:00	0.00
J1209	JUNCTION	0.01	0.04	94.72	0	01:48	0.04
J1210	JUNCTION	0.00	0.03	97.41	0	01:42	0.03
J1211	JUNCTION	0.00	0.02	93.53	0	01:45	0.02
J1213	JUNCTION	0.01	0.04	94.84	0	01:44	0.04
J1216	JUNCTION	0.01	0.03	96.68	0	01:48	0.03
J1219	JUNCTION	0.01	0.03	96.22	0	01:42	0.03
J1222	JUNCTION	0.00	0.03	96.01	0	01:50	0.03
J1223	JUNCTION	0.00	0.03	93.42	0	01:45	0.03
J1225	JUNCTION	0.00	0.02	98.25	0	01:41	0.02
J1227	JUNCTION	0.00	0.02	98.52	0	01:43	0.02
J1229	JUNCTION	0.00	0.02	97.21	0	02:16	0.02
J1230	JUNCTION	0.01	0.03	93.41	0	01:45	0.03
J1231	JUNCTION	0.02	0.09	97.53	0	02:27	0.09
J1232	JUNCTION	0.00	0.02	96.84	0	01:43	0.02
J1233	JUNCTION	0.03	0.07	93.07	0	04:13	0.07
J1239	JUNCTION	0.01	0.04	93.87	0	01:49	0.04
J124	JUNCTION	0.00	0.02	97.69	0	01:40	0.02
J1240	JUNCTION	0.03	0.10	94.80	0	01:41	0.10
J1241	JUNCTION	0.04	0.10	95.28	0	04:56	0.10
J1245	JUNCTION	0.04	0.13	94.95	0	01:52	0.13
J1246	JUNCTION	0.00	0.02	96.32	0	01:42	0.02
J1249	JUNCTION	0.01	0.04	94.84	0	01:45	0.04
J1253	JUNCTION	0.01	0.07	94.97	0	02:09	0.07
J1254	JUNCTION	0.01	0.02	96.76	0	01:42	0.02
J1257	JUNCTION	0.00	0.03	94.24	0	01:43	0.03
J1258	JUNCTION	0.00	0.02	96.18	0	01:42	0.02
J1259	JUNCTION	0.00	0.02	95.56	0	01:46	0.02
J126	JUNCTION	0.02	0.07	97.38	0	02:34	0.07
J1260	JUNCTION	0.01	0.04	95.57	0	02:52	0.04

J1262	JUNCTION	0.03	0.06	93.90	0	02:39	0.06
J1268	JUNCTION	0.01	0.03	95.23	0	01:44	0.03
J1269	JUNCTION	0.01	0.08	94.59	0	01:45	0.08
J1270	JUNCTION	0.01	0.03	95.00	0	04:57	0.03
J1272	JUNCTION	0.01	0.03	93.71	0	01:41	0.03
J1273	JUNCTION	0.02	0.11	96.94	0	02:39	0.11
J1275	JUNCTION	0.01	0.04	94.36	0	01:53	0.04
J1276	JUNCTION	0.01	0.03	93.81	0	01:50	0.03
J1277	JUNCTION	0.00	0.06	97.24	0	01:44	0.06
J1278	JUNCTION	0.03	0.08	94.15	0	02:38	0.08
J1279	JUNCTION	0.02	0.11	97.57	0	02:07	0.11
J1280	JUNCTION	0.01	0.05	97.30	0	01:41	0.05
J1281	JUNCTION	0.01	0.08	94.08	0	01:42	0.08
J1292	JUNCTION	0.01	0.09	94.94	0	01:54	0.09
J1294	JUNCTION	0.02	0.04	97.06	0	03:16	0.04
J1296	JUNCTION	0.00	0.03	93.51	0	01:48	0.03
J1299	JUNCTION	0.00	0.03	95.17	0	01:43	0.03
J13	JUNCTION	0.00	0.12	98.36	0	01:40	0.12
J1300	JUNCTION	0.06	0.07	97.24	0	03:13	0.07
J1301	JUNCTION	0.03	0.08	95.69	0	04:39	0.08
J1306	JUNCTION	0.01	0.08	97.60	0	01:53	0.08
J1308	JUNCTION	0.03	0.04	94.85	0	04:20	0.04
J1314	JUNCTION	0.00	0.02	95.87	0	02:01	0.02
J1317	JUNCTION	0.00	0.03	94.55	0	01:40	0.03
J1318	JUNCTION	0.02	0.10	95.46	0	03:38	0.10
J1320	JUNCTION	0.03	0.14	94.28	0	01:51	0.14
J1322	JUNCTION	0.01	0.04	93.99	0	01:52	0.04
J1324	JUNCTION	0.01	0.03	97.58	0	01:55	0.03
J1325	JUNCTION	0.02	0.08	93.77	0	02:24	0.08
J1329	JUNCTION	0.02	0.05	94.63	0	06:25	0.05
J1330	JUNCTION	0.01	0.03	93.56	0	01:38	0.03
J1331	JUNCTION	0.01	0.05	94.65	0	02:23	0.05
J1332	JUNCTION	0.01	0.04	95.86	0	04:14	0.04
J1334	JUNCTION	0.03	0.07	94.56	0	01:41	0.07
J1335	JUNCTION	0.01	0.05	93.19	0	02:12	0.05
J1336	JUNCTION	0.05	0.06	94.47	2	00:00	0.06
J1338	JUNCTION	0.01	0.04	97.12	0	01:56	0.04
J1344	JUNCTION	0.03	0.06	96.80	0	03:17	0.06
J1348	JUNCTION	0.03	0.06	94.49	0	02:35	0.06
J135	JUNCTION	0.00	0.02	97.19	0	01:42	0.02
J1352	JUNCTION	0.02	0.04	93.22	0	02:49	0.04
J1354	JUNCTION	0.01	0.08	93.98	0	01:53	0.08
J1355	JUNCTION	0.01	0.04	94.58	0	02:26	0.04
J138	JUNCTION	0.00	0.02	98.49	0	01:43	0.02
J14	JUNCTION	0.01	0.33	96.25	0	01:41	0.33
J140	JUNCTION	0.01	0.06	98.37	0	01:56	0.06
J142	JUNCTION	0.01	0.02	96.67	0	01:42	0.02
J15	JUNCTION	0.01	0.06	96.42	0	01:41	0.06
J153	JUNCTION	0.01	0.07	97.13	0	01:51	0.07
J159	JUNCTION	0.00	0.11	96.90	0	01:36	0.11
J16	JUNCTION	0.01	0.17	96.25	0	01:41	0.17
J161	JUNCTION	0.00	0.05	97.79	0	01:40	0.05
J165	JUNCTION	0.00	0.04	96.58	0	01:40	0.04
J167	JUNCTION	0.00	0.01	97.52	0	01:40	0.01
J169	JUNCTION	0.01	0.02	97.01	0	03:14	0.02
J17	JUNCTION	0.07	0.09	98.26	0	01:41	0.08
J172	JUNCTION	0.00	0.02	96.78	0	01:40	0.02

J18	JUNCTION	0.05	0.17	95.32	0	01:45	0.17
J199	JUNCTION	0.00	0.04	97.58	0	01:43	0.04
J2	JUNCTION	0.04	0.09	93.98	0	01:42	0.09
J20	JUNCTION	0.02	0.14	98.36	0	01:40	0.14
J205	JUNCTION	0.05	0.12	97.12	0	03:27	0.12
J209	JUNCTION	0.03	0.08	96.42	0	04:22	0.08
J21	JUNCTION	0.03	0.39	96.19	0	01:41	0.39
J217	JUNCTION	0.01	0.12	97.36	0	01:41	0.12
J219	JUNCTION	0.00	0.02	97.41	0	02:15	0.02
J22	JUNCTION	0.02	0.33	96.21	0	01:41	0.33
J221	JUNCTION	0.02	0.08	95.13	0	02:09	0.08
J225	JUNCTION	0.02	0.13	97.36	0	01:41	0.13
J227	JUNCTION	0.00	0.03	96.39	0	01:40	0.03
J229	JUNCTION	0.00	0.02	96.42	0	01:40	0.02
J23	JUNCTION	0.12	0.14	98.25	0	01:45	0.14
J232	JUNCTION	0.00	0.02	96.48	0	01:40	0.02
J24	JUNCTION	0.01	0.29	96.27	0	01:40	0.29
J241	JUNCTION	0.00	0.01	96.39	0	01:45	0.01
J25	JUNCTION	0.01	0.21	96.28	0	01:40	0.20
J254	JUNCTION	0.00	0.06	97.16	0	01:40	0.06
J26	JUNCTION	0.05	0.28	97.57	0	02:10	0.28
J27	JUNCTION	0.06	0.27	96.91	0	02:59	0.27
J273	JUNCTION	0.00	0.02	97.16	0	01:40	0.02
J275	JUNCTION	0.00	0.04	96.21	0	01:44	0.04
J28	JUNCTION	0.04	0.05	98.25	0	01:46	0.05
J281	JUNCTION	0.00	0.03	96.31	0	01:40	0.03
J283	JUNCTION	0.01	0.03	96.15	0	04:28	0.03
J29	JUNCTION	0.07	0.27	96.64	0	03:24	0.27
J294	JUNCTION	0.04	0.10	96.29	0	04:23	0.10
J299	JUNCTION	0.00	0.02	96.10	0	01:41	0.02
J3	JUNCTION	0.28	0.32	93.73	0	04:18	0.32
J30	JUNCTION	0.00	0.03	97.66	0	01:40	0.03
J304	JUNCTION	0.00	0.08	96.05	0	01:38	0.08
J307	JUNCTION	0.00	0.04	96.85	0	01:40	0.04
J309	JUNCTION	0.00	0.02	96.38	0	01:36	0.02
J31	JUNCTION	0.07	0.27	96.39	0	03:51	0.27
J319	JUNCTION	0.02	0.08	95.96	0	02:38	0.08
J32	JUNCTION	0.06	0.07	98.25	0	03:35	0.07
J329	JUNCTION	0.00	0.01	95.18	0	01:40	0.01
J33	JUNCTION	0.03	0.28	97.74	0	01:44	0.28
J331	JUNCTION	0.00	0.02	96.59	0	01:50	0.02
J339	JUNCTION	0.00	0.05	96.49	0	01:40	0.05
J34	JUNCTION	0.11	0.35	96.26	0	04:10	0.35
J344	JUNCTION	0.01	0.14	95.72	0	01:40	0.14
J348	JUNCTION	0.02	0.10	96.66	0	01:46	0.10
J35	JUNCTION	0.19	0.21	98.25	0	03:35	0.21
J352	JUNCTION	0.00	0.01	96.36	0	01:40	0.01
J355	JUNCTION	0.01	0.03	94.46	0	01:41	0.03
J36	JUNCTION	0.01	0.03	93.45	0	01:43	0.03
J360	JUNCTION	0.00	0.02	95.92	0	01:40	0.02
J362	JUNCTION	0.00	0.03	96.31	0	01:44	0.03
J37	JUNCTION	0.00	0.03	98.95	0	01:40	0.03
J372	JUNCTION	0.00	0.03	96.61	0	01:43	0.03
J382	JUNCTION	0.01	0.10	96.41	0	01:39	0.10
J384	JUNCTION	0.00	0.09	94.94	0	01:43	0.09
J388	JUNCTION	0.00	0.02	96.21	0	01:43	0.02
J39	JUNCTION	0.00	0.02	97.80	0	01:41	0.02

J392	JUNCTION	0.00	0.02	95.36	0	01:40	0.02
J394	JUNCTION	0.00	0.04	95.17	0	01:40	0.04
J396	JUNCTION	0.00	0.06	95.06	0	01:41	0.06
J398	JUNCTION	0.01	0.04	95.75	0	04:24	0.04
J4	JUNCTION	0.03	0.09	95.51	0	03:06	0.09
J40	JUNCTION	0.00	0.12	97.94	0	01:45	0.12
J403	JUNCTION	0.00	0.00	95.60	0	00:00	0.00
J41	JUNCTION	0.00	0.09	98.19	0	01:41	0.09
J419	JUNCTION	0.01	0.11	96.00	0	01:59	0.11
J427	JUNCTION	0.00	0.02	95.96	0	01:45	0.02
J43	JUNCTION	0.25	0.27	98.25	0	01:40	0.27
J433	JUNCTION	0.00	0.02	95.72	0	01:40	0.02
J44	JUNCTION	0.01	0.03	95.83	0	04:10	0.03
J443	JUNCTION	0.01	0.08	95.73	0	02:05	0.08
J447	JUNCTION	0.00	0.05	95.45	0	01:43	0.05
J449	JUNCTION	0.01	0.06	94.79	0	01:46	0.06
J451	JUNCTION	0.00	0.05	95.30	0	01:40	0.05
J453	JUNCTION	0.00	0.02	94.83	0	01:44	0.02
J455	JUNCTION	0.00	0.03	95.59	0	01:44	0.03
J458	JUNCTION	0.02	0.07	95.57	0	02:51	0.07
J46	JUNCTION	0.01	0.11	95.77	0	01:40	0.11
J462	JUNCTION	0.02	0.07	94.64	0	01:40	0.07
J467	JUNCTION	0.00	0.04	95.31	0	01:40	0.04
J47	JUNCTION	0.00	0.02	95.77	0	01:40	0.02
J472	JUNCTION	0.00	0.04	95.31	0	01:40	0.04
J475	JUNCTION	0.00	0.04	95.21	0	01:41	0.04
J479	JUNCTION	0.11	0.15	94.75	0	02:17	0.15
J48	JUNCTION	0.00	0.05	97.49	0	01:41	0.05
J491	JUNCTION	0.02	0.05	94.66	0	02:17	0.05
J5	JUNCTION	0.08	0.16	95.15	0	05:28	0.16
J50	JUNCTION	0.01	0.05	94.75	0	02:12	0.05
J500	JUNCTION	0.03	0.12	95.59	0	01:40	0.12
J508	JUNCTION	0.00	0.03	95.29	0	01:40	0.03
J51	JUNCTION	0.01	0.05	95.63	0	01:46	0.05
J52	JUNCTION	0.00	0.03	98.63	0	01:50	0.03
J521	JUNCTION	0.01	0.08	95.40	0	01:37	0.08
J523	JUNCTION	0.02	0.07	94.50	0	02:22	0.07
J525	JUNCTION	0.02	0.09	95.49	0	03:03	0.09
J53	JUNCTION	0.05	0.12	95.20	0	04:13	0.12
J537	JUNCTION	0.00	0.06	95.38	0	01:36	0.06
J54	JUNCTION	0.02	0.07	97.44	0	01:36	0.07
J55	JUNCTION	0.04	0.10	95.11	0	02:14	0.10
J56	JUNCTION	0.00	0.02	97.41	0	01:45	0.02
J562	JUNCTION	0.05	0.09	94.66	0	04:48	0.09
J57	JUNCTION	0.00	0.00	95.59	0	00:00	0.00
J572	JUNCTION	0.00	0.02	95.27	0	01:40	0.02
J576	JUNCTION	0.00	0.07	95.13	0	01:42	0.07
J58	JUNCTION	0.04	0.04	93.55	1	21:43	0.04
J580	JUNCTION	0.00	0.03	94.53	0	01:40	0.03
J584	JUNCTION	0.03	0.12	95.39	0	03:40	0.12
J59	JUNCTION	0.00	0.02	98.92	0	01:40	0.02
J596	JUNCTION	0.00	0.02	95.30	0	01:40	0.02
J598	JUNCTION	0.05	0.13	94.05	0	01:41	0.13
J6	JUNCTION	0.05	0.13	95.25	0	04:12	0.13
J60	JUNCTION	0.01	0.08	95.51	0	01:40	0.08
J602	JUNCTION	0.00	0.03	95.25	0	01:40	0.03
J61	JUNCTION	0.00	0.03	98.65	0	01:39	0.03

J611	JUNCTION	0.00	0.02	95.15	0	01:40	0.02
J616	JUNCTION	0.00	0.03	94.89	0	01:39	0.03
J62	JUNCTION	0.01	0.18	97.74	0	01:44	0.18
J623	JUNCTION	0.01	0.10	95.13	0	01:40	0.10
J63	JUNCTION	0.02	0.08	97.44	0	01:40	0.08
J633	JUNCTION	0.06	0.10	93.74	0	04:20	0.10
J64	JUNCTION	0.02	0.20	97.94	0	01:43	0.20
J644	JUNCTION	0.00	0.04	95.02	0	01:42	0.04
J646	JUNCTION	0.01	0.09	95.08	0	01:44	0.09
J65	JUNCTION	0.01	0.16	97.94	0	01:43	0.16
J650	JUNCTION	0.04	0.10	94.97	0	05:49	0.10
J652	JUNCTION	0.01	0.15	95.01	0	01:35	0.15
J658	JUNCTION	0.01	0.09	95.12	0	01:43	0.09
J66	JUNCTION	0.00	0.04	99.01	0	01:36	0.04
J660	JUNCTION	0.00	0.02	95.02	0	01:51	0.02
J664	JUNCTION	0.01	0.05	95.04	0	01:44	0.05
J668	JUNCTION	0.01	0.04	94.00	0	01:51	0.04
J67	JUNCTION	0.03	0.21	97.25	0	02:31	0.21
J670	JUNCTION	0.03	0.14	95.31	0	01:41	0.14
J673	JUNCTION	0.23	0.26	93.73	0	04:18	0.26
J676	JUNCTION	0.02	0.06	94.84	0	06:26	0.06
J68	JUNCTION	0.00	0.03	97.70	0	01:40	0.03
J684	JUNCTION	0.01	0.03	95.00	0	01:43	0.03
J686	JUNCTION	0.01	0.13	94.99	0	01:40	0.13
J69	JUNCTION	0.01	0.28	96.25	0	01:41	0.27
J693	JUNCTION	0.01	0.05	94.92	0	06:23	0.05
J699	JUNCTION	0.01	0.10	95.29	0	01:46	0.10
J7	JUNCTION	0.04	0.10	95.35	0	03:51	0.10
J70	JUNCTION	0.01	0.03	95.49	0	01:55	0.03
J703	JUNCTION	0.01	0.08	95.02	0	01:44	0.08
J71	JUNCTION	0.01	0.22	96.27	0	01:40	0.22
J710	JUNCTION	0.00	0.02	94.40	0	01:42	0.02
J712	JUNCTION	0.03	0.08	94.92	0	06:23	0.08
J718	JUNCTION	0.01	0.08	95.01	0	01:45	0.08
J72	JUNCTION	0.00	0.02	98.15	0	01:46	0.02
J728	JUNCTION	0.00	0.10	94.97	0	01:40	0.10
J73	JUNCTION	0.01	0.26	96.28	0	01:40	0.26
J735	JUNCTION	0.02	0.11	94.95	0	01:52	0.11
J74	JUNCTION	0.03	0.10	95.58	0	01:41	0.10
J744	JUNCTION	0.01	0.05	94.54	0	01:48	0.05
J746	JUNCTION	0.00	0.03	94.63	0	01:45	0.03
J748	JUNCTION	0.00	0.03	94.57	0	01:47	0.03
J75	JUNCTION	0.01	0.04	97.68	0	01:45	0.04
J755	JUNCTION	0.00	0.01	94.55	0	01:42	0.01
J757	JUNCTION	0.01	0.15	94.88	0	01:42	0.14
J76	JUNCTION	0.02	0.04	95.60	0	04:42	0.04
J761	JUNCTION	0.01	0.10	94.94	0	01:45	0.10
J77	JUNCTION	0.00	0.07	97.47	0	01:40	0.07
J771	JUNCTION	0.02	0.14	94.98	0	01:42	0.14
J774	JUNCTION	0.01	0.11	94.98	0	01:41	0.11
J777	JUNCTION	0.04	0.09	94.69	0	02:52	0.09
J779	JUNCTION	0.01	0.08	95.00	0	01:42	0.08
J78	JUNCTION	0.05	0.27	97.25	0	02:31	0.27
J795	JUNCTION	0.00	0.07	94.62	0	01:40	0.07
J797	JUNCTION	0.00	0.02	94.73	0	01:43	0.02
J8	JUNCTION	0.03	0.10	95.47	0	03:41	0.10
J803	JUNCTION	0.00	0.01	94.28	0	01:40	0.01

J807	JUNCTION	0.01	0.04	94.86	0	02:01	0.04
J81	JUNCTION	0.05	0.11	95.68	0	04:40	0.11
J819	JUNCTION	0.04	0.12	94.95	0	01:45	0.12
J82	JUNCTION	0.00	0.02	100.51	0	01:44	0.02
J821	JUNCTION	0.01	0.13	94.51	0	01:40	0.13
J824	JUNCTION	0.00	0.09	94.49	0	01:44	0.09
J830	JUNCTION	0.00	0.02	94.60	0	02:07	0.02
J832	JUNCTION	0.02	0.14	94.98	0	01:42	0.14
J834	JUNCTION	0.03	0.05	94.85	0	04:23	0.05
J837	JUNCTION	0.03	0.15	94.96	0	01:41	0.15
J84	JUNCTION	0.00	0.03	98.37	0	01:36	0.03
J841	JUNCTION	0.02	0.03	94.77	0	01:45	0.03
J848	JUNCTION	0.01	0.04	94.70	0	01:41	0.04
J856	JUNCTION	0.03	0.09	94.64	0	01:42	0.09
J858	JUNCTION	0.00	0.05	94.60	0	01:40	0.05
J86	JUNCTION	0.01	0.05	96.87	0	01:41	0.05
J861	JUNCTION	0.00	0.04	94.50	0	01:40	0.04
J869	JUNCTION	0.01	0.10	94.23	0	01:40	0.10
J87	JUNCTION	0.03	0.06	94.92	0	04:22	0.06
J878	JUNCTION	0.00	0.10	94.59	0	01:38	0.10
J88	JUNCTION	0.01	0.02	96.77	0	01:40	0.02
J880	JUNCTION	0.01	0.01	94.78	0	04:56	0.01
J882	JUNCTION	0.00	0.09	94.41	0	01:41	0.09
J884	JUNCTION	0.01	0.10	94.22	0	01:42	0.10
J886	JUNCTION	0.01	0.11	94.39	0	01:43	0.11
J89	JUNCTION	0.05	0.05	93.55	1	21:32	0.05
J891	JUNCTION	0.00	0.04	94.40	0	01:43	0.04
J893	JUNCTION	0.00	0.04	94.70	0	01:40	0.04
J895	JUNCTION	0.00	0.08	94.80	0	01:40	0.08
J9	JUNCTION	0.04	0.15	98.34	0	01:39	0.15
J9_1	JUNCTION	0.00	0.01	96.31	0	01:41	0.01
J90	JUNCTION	0.01	0.02	97.24	0	01:40	0.02
J900	JUNCTION	0.00	0.10	94.69	0	01:40	0.10
J91	JUNCTION	0.01	0.03	93.90	0	02:00	0.03
J915	JUNCTION	0.00	0.04	94.15	0	01:46	0.04
J92	JUNCTION	0.00	0.01	101.18	0	01:40	0.01
J923	JUNCTION	0.01	0.03	94.16	0	01:54	0.03
J925	JUNCTION	0.01	0.04	94.55	0	01:56	0.04
J927	JUNCTION	0.00	0.08	94.41	0	01:40	0.08
J929	JUNCTION	0.00	0.03	94.47	0	01:45	0.03
J934	JUNCTION	0.01	0.13	94.65	0	01:42	0.13
J940	JUNCTION	0.00	0.03	94.47	0	01:40	0.03
J95	JUNCTION	0.00	0.02	97.25	0	01:40	0.02
J951	JUNCTION	0.01	0.11	93.76	0	01:41	0.11
J954	JUNCTION	0.00	0.02	94.55	0	01:45	0.02
J960	JUNCTION	0.02	0.10	94.37	0	01:50	0.10
J964	JUNCTION	0.04	0.08	94.56	0	01:44	0.08
J966	JUNCTION	0.00	0.02	94.24	0	01:42	0.02
J983	JUNCTION	0.00	0.06	94.15	0	01:40	0.06
J998	JUNCTION	0.00	0.04	94.14	0	01:40	0.04
Mesure_point	JUNCTION	0.01	0.04	94.98	0	05:31	0.04
J42	OUTFALL	0.01	0.05	92.05	0	01:54	0.05
Natural_outlet	OUTFALL	0.01	0.03	93.03	0	04:12	0.03
Outfall_A	OUTFALL	0.05	0.14	92.77	0	03:40	0.14
Outfall_B	OUTFALL	0.03	0.07	92.87	0	04:14	0.07
Bassin	STORAGE	1.07	1.32	95.72	0	02:55	1.32

****
Node Inflow Summary
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Node	Type	Maximum Lateral Inflow CMS	Maximum Total Inflow CMS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10^6 ltr	Total Inflow Volume 10^6 ltr	Flow Balance Error Percent
15017	JUNCTION	0.003	0.003	0 01:40	0.00344	0.00482	13.949
15023	JUNCTION	0.000	0.001	0 01:44	0	0.00364	1.233
15115	JUNCTION	0.000	0.010	0 01:42	0	0.0165	2.947
15161	JUNCTION	0.011	0.026	0 01:40	0.016	0.304	-0.005
15169	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
15183	JUNCTION	0.001	0.002	0 01:38	0.00153	0.00212	55.341
15526	JUNCTION	0.000	0.001	0 01:47	0	0.00358	-0.152
15536	JUNCTION	0.000	0.001	0 01:49	0	0.00358	1.041
16468	JUNCTION	0.000	0.007	0 01:40	0	0.00959	-0.082
16472	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
16496	JUNCTION	0.008	0.008	0 01:40	0.0096	0.00973	0.007
16553	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
16555	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
16576	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
16611	JUNCTION	0.005	0.005	0 01:40	0.00677	0.00677	-0.033
16639	JUNCTION	0.000	0.005	0 01:37	0	0.00677	-2.985
16641	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
16677	JUNCTION	0.002	0.043	0 01:41	0.00306	0.316	-0.064
16797	JUNCTION	0.000	0.015	0 01:49	0	0.0307	2.080
16799	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
16815	JUNCTION	0.000	0.015	0 01:48	0	0.0307	0.012
16874	JUNCTION	0.000	0.015	0 01:48	0	0.	

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  16876                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  16902                JUNCTION     0.000    0.017     0  01:44           0
0.0308       0.256
  17000                JUNCTION     0.004    0.018     0  01:43     0.00555
0.0308      -0.076
  17050                JUNCTION     0.000    0.018     0  01:41           0
0.0254       0.645
  17077                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  17111                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  17114                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  17125                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  17181                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  17189                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  17196                JUNCTION     0.000    0.000     0  00:00           0
0       0.000 ltr
  17316                JUNCTION     0.009    0.009     0  01:40      0.0108
0.0144      -1.067
  30259                JUNCTION     0.000    0.020     0  01:54           0
0.255       0.003
  30277                JUNCTION     0.000    0.020     0  01:54           0
0.255      -0.000
  30280                JUNCTION     0.000    0.021     0  01:51           0
0.255       0.074
  30327                JUNCTION     0.003    0.026     0  01:45     0.00417
0.256       0.136
  30340                JUNCTION     0.000    0.028     0  01:44           0
0.251       0.007
  30354                JUNCTION     0.003    0.041     0  01:41     0.00374
0.262       4.005
  30371                JUNCTION     0.007    0.040     0  01:40     0.00822
0.258       0.026
  30384                JUNCTION     0.000    0.037     0  01:40           0
0.25       0.019
  30405                JUNCTION     0.020    0.037     0  01:40      0.0255
0.25      -0.006
  30418                JUNCTION     0.004    0.018     0  01:40     0.00504
0.225       0.401
  30433                JUNCTION     0.013    0.017     0  02:53      0.0159
0.22      -0.041
  30475                JUNCTION     0.004    0.039     0  01:46     0.00549
0.214       4.844
  30476                JUNCTION     0.000    0.019     0  02:22           0
0.126       0.000
  30513                JUNCTION     0.005    0.019     0  01:40     0.00634
0.126       0.224
  30534                JUNCTION     0.011    0.019     0  02:17      0.0135
0.12      -0.016
  30562                JUNCTION     0.009    0.018     0  02:13      0.0112
0.107       0.103
  30584                JUNCTION     0.000    0.018     0  02:11           0
0.0962       0.202
  30612                JUNCTION     0.003    0.003     0  01:35     0.00388
0.00463      -2.398
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  30626                JUNCTION     0.000    0.001      0  01:41           0
0.0008       6.502
  30654                JUNCTION     0.003    0.003      0  01:35     0.00372
0.00372       0.845
  30690                JUNCTION     0.023    0.025      0  01:40      0.0283
0.0314      -0.842
  30703                JUNCTION     0.000    0.024      0  01:40           0
0.0316       0.403
  30723                JUNCTION     0.003    0.016      0  01:41     0.00411
0.0356       0.369
  30741                JUNCTION     0.000    0.008      0  01:46           0
0.0355      -0.405
  30776                JUNCTION     0.019    0.073      0  01:53      0.0235
1.81        0.398
  30790                JUNCTION     0.000    0.037      0  01:41           0
0.127       -0.204
  30821                JUNCTION     0.017    0.038      0  01:40      0.0215
0.127       -0.029
  30846                JUNCTION     0.007    0.010      0  01:40     0.00903
0.0121      -0.160
  30874                JUNCTION     0.003    0.003      0  01:40     0.00311
0.00311       0.018
  30901                JUNCTION     0.000    0.000      0  00:00           0
0       0.000 ltr
  30919                JUNCTION     0.003    0.003      0  01:40      0.0041
0.0041       0.278
  30933                JUNCTION     0.000    0.003      0  01:36           0
0.00409      -0.224
  30947                JUNCTION     0.003    0.006      0  01:40     0.00361
0.0121     174.659
  30961                JUNCTION     0.004    0.008      0  01:43      0.0176
0.022      159.546
  30982                JUNCTION     0.000    0.000      0  03:17           0
0.00408       3.019
  30996                JUNCTION     0.000    0.000      0  05:10           0
0.00396       1.425
  31010                JUNCTION     0.005    0.005      0  01:40       0.032
0.0359       5.129
  31024                JUNCTION     0.000    0.003      0  01:46           0
0.0342       0.209
  31055                JUNCTION     0.000    0.007      0  04:10           0
0.195        0.119
  31056                JUNCTION     0.000    0.000      0  00:00           0
0       0.000 ltr
  31133                JUNCTION     0.000    0.030      0  02:15           0
0.213        6.025
  31143                JUNCTION     0.000    0.029      0  02:13           0
0.201        6.735
  31158                JUNCTION     0.011    0.028      0  02:12      0.0133
0.201       22.011
  31164                JUNCTION     0.000    0.006      0  02:15           0
0.165        2.756
  31168                JUNCTION     0.000    0.005      0  04:14           0
0.161        0.079
  31233                JUNCTION     0.000    0.013      0  01:52           0
0.0616       8.522
  31240                JUNCTION     0.000    0.013      0  01:53           0
0.0567      -0.041
  31248                JUNCTION     0.006    0.014      0  01:51      0.0071
0.0644      10.327
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  31256                JUNCTION     0.003    0.013      0  02:00      0.00361
0.0629       6.299
  31266                JUNCTION     0.009    0.014      0  02:01       0.0107
0.0694       1.564
  31274                JUNCTION     0.000    0.015      0  01:40           0
0.0726      30.324
  31282                JUNCTION     0.006    0.028      0  01:40     0.00693
0.0815      43.316
  31294                JUNCTION     0.017    0.043      0  01:59      0.0207
0.264      13.986
  31330                JUNCTION     0.000    0.005      0  01:40           0
0.00786     130.028
  31332                JUNCTION     0.000    0.000      0  00:00           0
0       0.000 ltr
  31346                JUNCTION     0.000    0.013      0  01:52           0
0.0615       0.000
  31347                JUNCTION     0.005    0.013      0  01:52     0.00636
0.0615       0.008
  31349                JUNCTION     0.000    0.000      0  00:00           0
0       0.000 ltr
  31361                JUNCTION     0.000    0.000      0  00:00           0
0       0.000 ltr
  31376                JUNCTION     0.004    0.004      0  01:40     0.00538
0.00538      -1.120
  31385                JUNCTION     0.000    0.000      0  00:00           0
0       0.000 ltr
  31401                JUNCTION     0.000    0.000      0  00:00           0
0       0.000 ltr
  31415                JUNCTION     0.000    0.000      0  00:00           0
0       0.000 ltr
  31422                JUNCTION     0.000    0.000      0  00:00           0
0       0.000 ltr
  31436                JUNCTION     0.000    0.000      0  00:00           0
0       0.000 ltr
  31443                JUNCTION     0.000    0.000      0  00:00           0
0       0.000 ltr
  31457                JUNCTION     0.000    0.000      0  00:00           0
0       0.000 ltr
  31464                JUNCTION     0.000    0.000      0  00:00           0
0       0.000 ltr
  31478                JUNCTION     0.002    0.002      0  01:40      0.0025
0.0025    2499.417 ltr
  31485                JUNCTION     0.000    0.000      0  00:00           0
0       0.000 ltr
  31499                JUNCTION     0.004    0.004      0  01:40     0.00464
0.0047       5.932
  31513                JUNCTION     0.003    0.004      0  01:40     0.00347
0.0079      -1.012
  31527                JUNCTION     0.000    0.004      0  01:40           0
0.00793       7.405
  31541                JUNCTION     0.000    0.003      0  01:43           0
0.00739       0.901
  31557                JUNCTION     0.005    0.005      0  01:40     0.00583
0.0131      -0.332
  31572                JUNCTION     0.000    0.017      0  01:44           0
0.0562     430.085
  31583                JUNCTION     0.000    0.000      0  00:00           0
0       0.000 ltr
  31584                JUNCTION     0.000    0.000      0  00:00           0
0       0.000 ltr
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31602		JUNCTION	0.000	0.015	0	01:43	0
0.0448	3.976						
31616		JUNCTION	0.000	0.018	0	01:40	0
0.0345	0.299						
31630		JUNCTION	0.008	0.008	0	01:40	0.00952
0.00976	0.008						
31644		JUNCTION	0.000	0.008	0	01:40	0
0.00976	-1.717						
31659		JUNCTION	0.002	0.026	0	04:20	0.00191
0.686	0.909						
31679		JUNCTION	0.000	0.026	0	04:23	0
0.669	0.021						
31692		JUNCTION	0.000	0.026	0	04:23	0
0.67	0.071						
31717		JUNCTION	0.000	0.027	0	04:18	0
0.671	0.103						
31727		JUNCTION	0.000	0.009	0	01:44	0
0.0214	48.104						
31735		JUNCTION	0.005	0.013	0	01:40	0.00669
0.0212	0.793						
33074		JUNCTION	0.000	0.006	0	01:47	0
0.0145	7.811						
33088		JUNCTION	0.000	0.003	0	02:02	0
0.0131	-0.106						
33102		JUNCTION	0.000	0.003	0	02:05	0
0.0131	-0.089						
33116		JUNCTION	0.000	0.003	0	02:07	0
0.0131	0.402						
33130		JUNCTION	0.000	0.003	0	02:10	0
0.013	-0.103						
33147		JUNCTION	0.000	0.030	0	04:17	0
0.672	0.048						
33161		JUNCTION	0.000	0.028	0	04:18	0
0.671	0.027						
35248		JUNCTION	0.000	0.007	0	01:40	0
0.00956	0.081						
35262		JUNCTION	0.000	0.007	0	01:40	0
0.0096	0.318						
J10		JUNCTION	0.021	0.189	0	01:41	0.0251
0.328	0.229						
J100		JUNCTION	0.006	0.030	0	01:40	0.00697
0.0368	0.003						
J1002		JUNCTION	0.000	0.020	0	01:42	0
0.0271	6.540						
J1006		JUNCTION	0.012	0.012	0	01:40	0.0147
0.0147	-4.252						
J1010		JUNCTION	0.009	0.054	0	02:39	0.0108
1.53	-0.014						
J102		JUNCTION	0.007	0.017	0	01:37	0.00827
0.0207	-2.733						
J1032		JUNCTION	0.005	0.005	0	01:40	0.00578
0.00578	-0.075						
J1036		JUNCTION	0.002	0.017	0	01:44	0.00305
0.0455	19.150						
J1052		JUNCTION	0.005	0.005	0	01:40	0.00643
0.00643	-10.108						
J1060		JUNCTION	0.001	0.003	0	01:41	0.000699
0.00648	-0.204						
J1065		JUNCTION	0.010	0.010	0	01:40	0.0128
0.0128	-0.751						

J109		JUNCTION	0.008	0.037	0	01:40	0.0098
0.0466	-2.315						
J1094		JUNCTION	0.008	0.008	0	01:40	0.0102
0.0102	-0.223						
J11		JUNCTION	0.000	0.040	0	01:44	0
0.337	0.247						
J1100		JUNCTION	0.010	0.010	0	01:40	0.0123
0.0123	-0.272						
J1102		JUNCTION	0.002	0.006	0	01:40	0.00308
0.0102	7.820						
J1110		JUNCTION	0.007	0.007	0	01:40	0.00915
0.00915	-3.444						
J1114		JUNCTION	0.014	0.015	0	01:40	0.0176
0.0271	-1.581						
J112		JUNCTION	0.019	0.019	0	01:40	0.024
0.024	-2.298						
J1133		JUNCTION	0.012	0.020	0	01:40	0.0145
0.0269	-0.461						
J114		JUNCTION	0.003	0.017	0	01:40	0.00405
0.0253	1.105						
J1142		JUNCTION	0.007	0.020	0	01:40	0.0084
0.036	1.562						
J1146		JUNCTION	0.006	0.023	0	01:40	0.00803
0.035	0.203						
J1148		JUNCTION	0.003	0.021	0	01:48	0.00362
0.0753	1.177						
J1158		JUNCTION	0.007	0.022	0	01:40	0.00916
0.0279	0.700						
J116		JUNCTION	0.017	0.017	0	01:40	0.0216
0.0216	-0.169						
J1161		JUNCTION	0.010	0.020	0	01:57	0.0119
0.0863	-0.655						
J1163		JUNCTION	0.000	0.018	0	01:41	0
0.035	0.361						
J1165		JUNCTION	0.015	0.015	0	01:40	0.0187
0.0187	-0.237						
J1180		JUNCTION	0.004	0.019	0	02:01	0.00493
0.0918	0.023						
J12		JUNCTION	0.080	0.178	0	01:40	0.118
0.302	0.005						
J12_1		JUNCTION	0.000	0.000	0	00:00	0
0	0.000 ltr						
J1209		JUNCTION	0.013	0.047	0	01:40	0.0165
0.605	-0.341						
J1210		JUNCTION	0.003	0.015	0	01:40	0.00376
0.0187	-8.118						
J1211		JUNCTION	0.004	0.014	0	01:40	0.00553
0.0253	0.783						
J1213		JUNCTION	0.005	0.022	0	01:40	0.0057
0.0364	6.317						
J1216		JUNCTION	0.008	0.031	0	01:41	0.0105
0.339	-0.183						
J1219		JUNCTION	0.005	0.043	0	01:40	0.00613
0.276	-0.017						
J1222		JUNCTION	0.013	0.037	0	01:41	0.0159
0.0766	-5.508						
J1223		JUNCTION	0.005	0.024	0	01:40	0.00593
0.0384	0.556						
J1225		JUNCTION	0.005	0.013	0	01:40	0.00589
0.0337	0.626						

J1227	JUNCTION	0.003	0.034	0	01:40	0.00416	0.0638	-0.383
J1229	JUNCTION	0.003	0.018	0	01:42	0.00349	0.0989	0.113
J1230	JUNCTION	0.008	0.035	0	01:40	0.0104	0.073	-11.532
J1231	JUNCTION	0.011	0.033	0	01:40	0.0139	0.152	1.412
J1232	JUNCTION	0.009	0.028	0	01:40	0.0111	0.0377	1.007
J1233	JUNCTION	0.031	0.059	0	04:12	0.0387	1.42	0.099
J1239	JUNCTION	0.000	0.019	0	01:41	0	0.0542	1.682
J124	JUNCTION	0.002	0.002	0	01:40	0.00299	0.00299	0.392
J1240	JUNCTION	0.010	0.013	0	01:40	0.0128	0.282	-0.005
J1241	JUNCTION	0.000	0.018	0	04:40	0	0.502	-0.004
J1245	JUNCTION	0.000	0.023	0	01:41	0	0.0469	5.087
J1246	JUNCTION	0.011	0.028	0	01:40	0.0134	0.0606	-0.323
J1249	JUNCTION	0.009	0.054	0	01:40	0.0113	0.574	0.270
J1253	JUNCTION	0.002	0.009	0	01:53	0.00272	0.0365	2.804
J1254	JUNCTION	0.004	0.022	0	01:40	0.00532	0.316	0.055
J1257	JUNCTION	0.009	0.011	0	01:40	0.0114	0.0258	-1.144
J1258	JUNCTION	0.007	0.021	0	01:40	0.00891	0.0275	-3.221
J1259	JUNCTION	0.010	0.016	0	01:40	0.0124	0.034	-3.963
J126	JUNCTION	0.013	0.017	0	01:40	0.0163	0.166	-0.126
J1260	JUNCTION	0.000	0.029	0	01:42	0	0.0467	7.331
J1262	JUNCTION	0.006	0.053	0	02:38	0.00734	1.52	0.029
J1268	JUNCTION	0.011	0.029	0	01:40	0.0132	0.249	-3.716
J1269	JUNCTION	0.005	0.022	0	01:41	0.00597	0.119	0.439
J1270	JUNCTION	0.000	0.018	0	04:54	0	0.52	0.060
J1272	JUNCTION	0.018	0.020	0	01:40	0.0225	0.0868	-0.214
J1273	JUNCTION	0.004	0.016	0	01:40	0.00493	0.171	0.043
J1275	JUNCTION	0.006	0.013	0	01:40	0.00762	0.0264	1.303
J1276	JUNCTION	0.000	0.014	0	01:47	0	0.0598	-1.141
J1277	JUNCTION	0.000	0.045	0	01:41	0	0.118	0.199
J1278	JUNCTION	0.007	0.053	0	02:33	0.00832	1.5	0.013

J1279	JUNCTION	0.004	0.016	0	01:43	0.0046	0.0717
0.632							
J1280	JUNCTION	0.006	0.028	0	01:40	0.00719	0.0936
0.088							
J1281	JUNCTION	0.005	0.012	0	01:40	0.00583	0.0387
-0.347							
J1292	JUNCTION	0.003	0.019	0	01:43	0.00326	0.116
-0.026							
J1294	JUNCTION	0.006	0.012	0	03:13	0.00785	0.273
0.336							
J1296	JUNCTION	0.009	0.025	0	01:42	0.011	0.0715
-0.150							
J1299	JUNCTION	0.004	0.032	0	01:41	0.0051	0.0511
-7.242							
J13	JUNCTION	0.013	0.013	0	01:40	0.0163	0.0163
-0.042							
J1300	JUNCTION	0.003	0.031	0	01:40	0.00343	0.0592
83.253							
J1301	JUNCTION	0.000	0.030	0	01:43	0	0.487
0.277							
J1306	JUNCTION	0.000	0.045	0	01:41	0	0.0728
2.234							
J1308	JUNCTION	0.007	0.019	0	01:40	0.00906	0.0787
2.451							
J1314	JUNCTION	0.000	0.015	0	01:41	0	0.0732
-7.390							
J1317	JUNCTION	0.005	0.005	0	01:40	0.00648	0.00648
-0.117							
J1318	JUNCTION	0.011	0.021	0	01:40	0.0141	0.208
0.850							
J1320	JUNCTION	0.009	0.035	0	01:43	0.0113	0.171
0.728							
J1322	JUNCTION	0.009	0.017	0	01:40	0.0108	0.0499
0.224							
J1324	JUNCTION	0.007	0.032	0	01:46	0.00912	0.115
-0.417							
J1325	JUNCTION	0.004	0.014	0	01:50	0.00461	0.0651
1.187							
J1329	JUNCTION	0.009	0.041	0	06:22	0.011	1.33
-0.001							
J1330	JUNCTION	0.009	0.009	0	01:40	0.0107	0.0489
-0.377							
J1331	JUNCTION	0.005	0.010	0	02:12	0.0059	0.0843
0.210							
J1332	JUNCTION	0.012	0.018	0	04:10	0.0145	0.446
0.138							
J1334	JUNCTION	0.012	0.012	0	01:40	0.0156	0.0176
2.256							
J1335	JUNCTION	0.000	0.018	0	02:08	0	0.0964
0.644							
J1336	JUNCTION	0.006	0.011	0	01:40	0.00698	0.0145
14456.785 ltr							
J1338	JUNCTION	0.022	0.055	0	01:42	0.0274	0.244
-5.885							
J1344	JUNCTION	0.005	0.015	0	02:45	0.0061	0.218
1.336							
J1348	JUNCTION	0.004	0.051	0	02:29	0.00448	1.46
0.107							
J135	JUNCTION	0.004	0.004	0	01:40	0.00516	0.00516
-11.459							

J1352		JUNCTION	0.000	0.057	0	02:40	0
1.62	-0.266						
J1354		JUNCTION	0.004	0.013	0	01:41	0.00545
0.0552	0.080						
J1355		JUNCTION	0.000	0.030	0	02:22	0
0.716	-0.059						
J138		JUNCTION	0.016	0.023	0	01:40	0.0201
0.0445	-1.759						
J14		JUNCTION	0.000	0.112	0	01:40	0
0.184	0.007						
J140		JUNCTION	0.013	0.026	0	01:40	0.0159
0.0612	0.420						
J142		JUNCTION	0.000	0.025	0	01:40	0
0.248	0.077						
J15		JUNCTION	0.016	0.016	0	01:40	0.0205
0.0205	-2.951						
J153		JUNCTION	0.000	0.016	0	01:40	0
0.0206	2.377						
J159		JUNCTION	0.016	0.016	0	01:40	0.0198
0.0198	-0.129						
J16		JUNCTION	0.029	0.029	0	01:40	0.0423
0.0423	-0.073						
J161		JUNCTION	0.005	0.005	0	01:40	0.00612
0.00612	-0.830						
J165		JUNCTION	0.032	0.032	0	01:40	0.0401
0.0401	-2.569						
J167		JUNCTION	0.010	0.012	0	01:40	0.0122
0.0152	-0.287						
J169		JUNCTION	0.000	0.014	0	03:14	0
0.292	0.223						
J17		JUNCTION	0.011	0.051	0	01:40	0.0137
0.0659	13.129						
J172		JUNCTION	0.009	0.009	0	01:40	0.0112
0.0112	-11.071						
J18		JUNCTION	0.003	0.033	0	01:40	0.0043
0.884	-0.017						
J199		JUNCTION	0.000	0.005	0	01:40	0
0.00618	0.160						
J2		JUNCTION	0.000	0.038	0	01:41	0
0.751	-0.036						
J20		JUNCTION	0.024	0.037	0	01:40	0.0303
0.0473	0.297						
J205		JUNCTION	0.017	0.040	0	01:56	0.0215
0.282	8.540						
J209		JUNCTION	0.003	0.019	0	01:48	0.0035
0.343	0.748						
J21		JUNCTION	0.071	0.465	0	01:40	0.102
0.77	-0.004						
J217		JUNCTION	0.008	0.014	0	01:40	0.00949
0.0204	-0.303						
J219		JUNCTION	0.003	0.012	0	02:09	0.00381
0.0751	0.122						
J22		JUNCTION	0.083	0.227	0	01:40	0.118
0.341	0.027						
J221		JUNCTION	0.011	0.039	0	01:54	0.0145
0.355	0.864						
J225		JUNCTION	0.009	0.009	0	01:40	0.011
0.011	0.935						
J227		JUNCTION	0.002	0.002	0	01:35	0.00301
0.00301	-0.419						

J229	JUNCTION	0.006	0.006	0	01:40	0.00691	0.00691	-1.183
J23	JUNCTION	0.002	0.049	0	01:39	0.0025	0.0637	62.700
J232	JUNCTION	0.009	0.009	0	01:40	0.0108	0.0108	-0.559
J24	JUNCTION	0.092	0.152	0	01:40	0.13	0.222	-0.056
J241	JUNCTION	0.000	0.006	0	01:40	0	0.00699	0.161
J25	JUNCTION	0.066	0.066	0	01:40	0.0922	0.0922	-0.028
J254	JUNCTION	0.006	0.006	0	01:40	0.00727	0.00727	-0.284
J26	JUNCTION	0.024	0.035	0	01:40	0.032	0.0955	1.014
J27	JUNCTION	0.029	0.034	0	01:40	0.0378	0.173	0.250
J273	JUNCTION	0.015	0.015	0	01:40	0.0189	0.0189	-1.960
J275	JUNCTION	0.005	0.033	0	01:40	0.00591	0.047	1.894
J28	JUNCTION	0.005	0.024	0	01:42	0.00614	0.046	7.212
J281	JUNCTION	0.004	0.012	0	01:40	0.00476	0.0156	0.386
J283	JUNCTION	0.000	0.014	0	04:24	0	0.344	0.121
J29	JUNCTION	0.023	0.028	0	01:40	0.0306	0.203	0.145
J294	JUNCTION	0.003	0.014	0	04:21	0.00393	0.344	0.010
J299	JUNCTION	0.011	0.011	0	01:40	0.0141	0.0141	-3.064
J3	JUNCTION	0.000	0.051	0	02:05	0	0.775	6.755
J30	JUNCTION	0.016	0.016	0	01:40	0.0201	0.0201	-0.327
J304	JUNCTION	0.009	0.009	0	01:40	0.0113	0.0113	-0.256
J307	JUNCTION	0.022	0.022	0	01:40	0.0272	0.0272	-4.903
J309	JUNCTION	0.011	0.011	0	01:40	0.0131	0.0131	-0.079
J31	JUNCTION	0.019	0.023	0	01:40	0.025	0.228	0.108
J319	JUNCTION	0.010	0.026	0	01:50	0.0119	0.0929	6.063
J32	JUNCTION	0.000	0.015	0	01:49	0	0.0288	32.902
J329	JUNCTION	0.000	0.000	0	01:37	0	3.72e-05	3.559
J33	JUNCTION	0.000	0.030	0	01:38	0	0.0627	-1.179
J331	JUNCTION	0.000	0.009	0	01:46	0	0.0317	0.319
J339	JUNCTION	0.009	0.009	0	01:40	0.0115	0.0115	-0.135
J34	JUNCTION	0.019	0.023	0	01:40	0.0282	0.255	0.291

J344	JUNCTION	0.016	0.016	0	01:40	0.0198	0.0198
-0.991							
J348	JUNCTION	0.004	0.025	0	01:40	0.00478	0.0334
5.504							
J35	JUNCTION	0.006	0.024	0	01:46	0.00703	0.0488
93.080							
J352	JUNCTION	0.003	0.013	0	01:37	0.00353	0.0166
-0.160							
J355	JUNCTION	0.006	0.007	0	01:40	0.00785	0.0218
-0.904							
J36	JUNCTION	0.005	0.029	0	01:40	0.00679	0.106
0.290							
J360	JUNCTION	0.009	0.009	0	01:40	0.0108	0.0108
-2.116							
J362	JUNCTION	0.004	0.025	0	01:42	0.00468	0.0474
-1.510							
J37	JUNCTION	0.025	0.025	0	01:40	0.0306	0.0306
-0.429							
J372	JUNCTION	0.004	0.025	0	01:41	0.00544	0.0427
0.128							
J382	JUNCTION	0.003	0.013	0	01:40	0.0042	0.0157
0.012							
J384	JUNCTION	0.004	0.011	0	01:40	0.00534	0.0166
0.120							
J388	JUNCTION	0.005	0.019	0	01:40	0.00664	0.0233
-10.072							
J39	JUNCTION	0.006	0.014	0	01:40	0.00787	0.0205
-0.808							
J392	JUNCTION	0.011	0.011	0	01:40	0.0135	0.0135
-3.823							
J394	JUNCTION	0.004	0.004	0	01:40	0.0049	0.00493
-0.363							
J396	JUNCTION	0.005	0.009	0	01:40	0.00637	0.0113
-0.233							
J398	JUNCTION	0.010	0.018	0	04:10	0.013	0.458
-0.030							
J4	JUNCTION	0.000	0.003	0	01:41	0	0.0648
0.133							
J40	JUNCTION	0.000	0.003	0	01:41	0	0.00108
3.858							
J403	JUNCTION	0.000	0.000	0	00:00	0	0
0.000 ltr							
J41	JUNCTION	0.010	0.010	0	01:40	0.0126	0.0126
-0.005							
J419	JUNCTION	0.012	0.029	0	01:41	0.0146	0.0627
1.242							
J427	JUNCTION	0.004	0.026	0	01:42	0.00503	0.0658
-0.985							
J43	JUNCTION	0.008	0.008	0	01:35	0.00991	0.011
23.607							
J433	JUNCTION	0.014	0.014	0	01:40	0.0171	0.0171
-2.307							
J44	JUNCTION	0.000	0.014	0	04:10	0	0.255
0.008							
J443	JUNCTION	0.000	0.022	0	01:45	0	0.0665
1.118							
J447	JUNCTION	0.005	0.014	0	01:40	0.00659	0.0176
1.428							
J449	JUNCTION	0.000	0.016	0	01:44	0	0.0373
-0.440							

J451	JUNCTION	0.004	0.022	0	01:40	0.00489	0.0272	-0.028
J453	JUNCTION	0.003	0.016	0	01:44	0.00311	0.0373	-0.026
J455	JUNCTION	0.004	0.017	0	01:40	0.00454	0.022	1.765
J458	JUNCTION	0.007	0.014	0	01:39	0.00906	0.0558	0.096
J46	JUNCTION	0.014	0.014	0	01:39	0.0176	0.0341	-0.085
J462	JUNCTION	0.012	0.017	0	01:40	0.0149	0.0991	-0.106
J467	JUNCTION	0.004	0.018	0	01:40	0.00519	0.0223	-0.069
J47	JUNCTION	0.000	0.005	0	01:35	0	0.0165	0.026
J472	JUNCTION	0.014	0.014	0	01:40	0.0171	0.0171	-0.032
J475	JUNCTION	0.001	0.022	0	01:40	0.00137	0.0286	0.077
J479	JUNCTION	0.004	0.041	0	01:43	0.00484	0.0719	61.864
J48	JUNCTION	0.004	0.020	0	01:40	0.00513	0.0253	-0.383
J491	JUNCTION	0.006	0.043	0	02:14	0.00712	0.663	0.065
J5	JUNCTION	0.004	0.005	0	01:40	0.00551	0.111	1.467
J50	JUNCTION	0.007	0.018	0	01:42	0.00823	0.0901	-0.280
J500	JUNCTION	0.010	0.010	0	01:40	0.013	0.0688	-0.109
J508	JUNCTION	0.011	0.011	0	01:40	0.0139	0.0139	-0.069
J51	JUNCTION	0.000	0.040	0	01:46	0	0.336	0.053
J52	JUNCTION	0.004	0.020	0	01:41	0.00492	0.0301	4.219
J521	JUNCTION	0.009	0.009	0	01:40	0.0112	0.0112	0.190
J523	JUNCTION	0.004	0.043	0	02:17	0.00725	0.669	0.194
J525	JUNCTION	0.016	0.026	0	01:40	0.0196	0.164	3.766
J53	JUNCTION	0.011	0.012	0	01:40	0.0138	0.105	-0.189
J537	JUNCTION	0.002	0.011	0	01:40	0.00235	0.0135	-0.204
J54	JUNCTION	0.005	0.005	0	01:40	0.00618	0.00618	0.835
J55	JUNCTION	0.000	0.044	0	02:08	0	0.657	0.100
J56	JUNCTION	0.004	0.016	0	01:40	0.00516	0.0258	-5.947
J562	JUNCTION	0.013	0.039	0	01:48	0.0166	0.624	1.098
J57	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J572	JUNCTION	0.002	0.013	0	01:40	0.00279	0.0167	-0.667

J576	JUNCTION	0.001	0.014	0	01:40	0.00128	0.0181	0.629
J58	JUNCTION	0.002	0.004	0	01:46	0.00196	0.0119	111.317
J580	JUNCTION	0.008	0.008	0	01:40	0.0102	0.0102	-4.472
J584	JUNCTION	0.012	0.013	0	01:40	0.0146	0.221	-0.018
J59	JUNCTION	0.019	0.019	0	01:40	0.0243	0.0243	-3.388
J596	JUNCTION	0.011	0.011	0	01:40	0.0144	0.0144	-2.391
J598	JUNCTION	0.028	0.040	0	01:40	0.035	0.752	0.042
J6	JUNCTION	0.006	0.007	0	01:40	0.00712	0.0919	0.460
J60	JUNCTION	0.000	0.013	0	01:41	0	0.0337	0.118
J602	JUNCTION	0.008	0.008	0	01:40	0.00977	0.00977	-2.960
J61	JUNCTION	0.007	0.024	0	01:37	0.0092	0.0299	0.055
J611	JUNCTION	0.012	0.012	0	01:40	0.0156	0.0156	-2.489
J616	JUNCTION	0.006	0.034	0	01:40	0.00782	0.0428	-1.394
J62	JUNCTION	0.029	0.035	0	01:40	0.0379	0.0626	-0.179
J623	JUNCTION	0.008	0.008	0	01:40	0.0105	0.0105	-0.647
J63	JUNCTION	0.000	0.007	0	01:40	0	0.00903	2.199
J633	JUNCTION	0.007	0.046	0	04:19	0.00848	1.12	0.347
J64	JUNCTION	0.009	0.017	0	01:35	0.0112	0.0248	0.398
J644	JUNCTION	0.003	0.003	0	01:40	0.004	0.004	-2.012
J646	JUNCTION	0.012	0.017	0	01:40	0.0147	0.0308	0.212
J65	JUNCTION	0.011	0.011	0	01:40	0.0137	0.0147	-0.409
J650	JUNCTION	0.004	0.020	0	01:43	0.00555	0.264	4.131
J652	JUNCTION	0.028	0.028	0	01:40	0.0349	0.0349	-0.052
J658	JUNCTION	0.004	0.012	0	01:39	0.00557	0.0161	0.099
J66	JUNCTION	0.017	0.017	0	01:40	0.0206	0.0206	-0.108
J660	JUNCTION	0.000	0.006	0	01:45	0	0.0146	2.049
J664	JUNCTION	0.004	0.011	0	01:40	0.00493	0.015	2.707
J668	JUNCTION	0.006	0.039	0	01:43	0.00754	0.118	-8.417
J67	JUNCTION	0.030	0.036	0	01:40	0.0397	0.134	-0.092
J670	JUNCTION	0.015	0.015	0	01:40	0.0187	0.0187	0.815

J673	JUNCTION	0.007	0.085	0	02:06	0.00897	1.3	16.767
J676	JUNCTION	0.000	0.008	0	06:24	0	0.269	0.020
J68	JUNCTION	0.017	0.017	0	01:40	0.0213	0.0213	-2.966
J684	JUNCTION	0.007	0.009	0	01:40	0.00893	0.0232	-2.664
J686	JUNCTION	0.018	0.018	0	01:40	0.0227	0.0227	-0.067
J69	JUNCTION	0.097	0.120	0	01:40	0.142	0.184	0.004
J693	JUNCTION	0.002	0.009	0	05:53	0.00263	0.257	0.033
J699	JUNCTION	0.011	0.024	0	01:40	0.0145	0.0331	-2.152
J7	JUNCTION	0.012	0.012	0	01:40	0.0144	0.0847	-0.098
J70	JUNCTION	0.004	0.041	0	01:48	0.00447	0.34	0.070
J703	JUNCTION	0.007	0.008	0	01:40	0.00825	0.0123	0.569
J71	JUNCTION	0.000	0.065	0	01:40	0	0.0923	0.014
J710	JUNCTION	0.003	0.012	0	01:41	0.00385	0.0345	-0.049
J712	JUNCTION	0.010	0.012	0	01:35	0.013	0.27	-0.027
J718	JUNCTION	0.006	0.008	0	01:40	0.00705	0.0193	0.602
J72	JUNCTION	0.000	0.030	0	01:43	0	0.064	-0.542
J728	JUNCTION	0.003	0.021	0	01:40	0.00401	0.0268	-0.271
J73	JUNCTION	0.000	0.063	0	01:40	0	0.0922	0.006
J735	JUNCTION	0.006	0.015	0	01:40	0.00782	0.0231	1.597
J74	JUNCTION	0.000	0.006	0	01:40	0	0.0592	0.031
J744	JUNCTION	0.017	0.035	0	01:40	0.0215	0.0763	0.159
J746	JUNCTION	0.003	0.024	0	01:43	0.00433	0.0411	0.112
J748	JUNCTION	0.011	0.026	0	01:42	0.0135	0.0546	-0.466
J75	JUNCTION	0.012	0.017	0	01:40	0.0147	0.0417	-0.058
J755	JUNCTION	0.002	0.002	0	01:40	0.00279	0.00279	-44.212
J757	JUNCTION	0.008	0.027	0	01:40	0.01	0.0368	0.318
J76	JUNCTION	0.002	0.018	0	04:39	0.0024	0.489	0.052
J761	JUNCTION	0.004	0.013	0	01:40	0.00475	0.0373	-0.089
J77	JUNCTION	0.007	0.007	0	01:40	0.00899	0.00899	-0.311
J771	JUNCTION	0.019	0.019	0	01:40	0.0234	0.0234	-2.706

J774		JUNCTION	0.012	0.012	0	01:40	0.015	0.015	-1.930
J777		JUNCTION	0.010	0.033	0	02:40	0.0129	1.03	0.021
J779		JUNCTION	0.011	0.012	0	01:40	0.0132	0.0324	-0.444
J78		JUNCTION	0.000	0.032	0	01:41	0	0.134	-0.347
J795		JUNCTION	0.011	0.011	0	01:40	0.0137	0.0137	-1.298
J797		JUNCTION	0.000	0.024	0	01:42	0	0.0367	-0.125
J8		JUNCTION	0.005	0.005	0	01:40	0.00581	0.0705	0.209
J803		JUNCTION	0.015	0.018	0	01:40	0.0186	0.0343	-0.531
J807		JUNCTION	0.011	0.018	0	01:52	0.0134	0.129	-0.215
J81		JUNCTION	0.001	0.018	0	04:38	0.000719	0.486	0.048
J819		JUNCTION	0.008	0.019	0	01:40	0.00932	0.0334	4.151
J82		JUNCTION	0.011	0.019	0	01:40	0.0142	0.0249	2.031
J821		JUNCTION	0.024	0.024	0	01:40	0.0308	0.0308	-0.302
J824		JUNCTION	0.004	0.014	0	01:40	0.00504	0.0189	0.630
J830		JUNCTION	0.000	0.017	0	02:01	0	0.129	0.069
J832		JUNCTION	0.019	0.019	0	01:40	0.0238	0.0238	-0.967
J834		JUNCTION	0.011	0.018	0	01:40	0.0146	0.0529	5.630
J837		JUNCTION	0.016	0.016	0	01:40	0.0195	0.0195	-0.107
J84		JUNCTION	0.010	0.010	0	01:40	0.0124	0.0124	-0.508
J841		JUNCTION	0.009	0.009	0	01:40	0.0116	0.087	1.340
J848		JUNCTION	0.005	0.006	0	01:40	0.00614	0.0917	0.092
J856		JUNCTION	0.006	0.011	0	01:40	0.0079	0.0995	0.272
J858		JUNCTION	0.009	0.009	0	01:40	0.0116	0.0116	-0.078
J86		JUNCTION	0.002	0.004	0	01:40	0.00251	0.0413	-0.025
J861		JUNCTION	0.014	0.027	0	01:40	0.018	0.0341	-1.343
J869		JUNCTION	0.010	0.010	0	01:40	0.013	0.013	-0.376
J87		JUNCTION	0.000	0.037	0	01:55	0	1.02	0.380
J878		JUNCTION	0.004	0.013	0	01:40	0.00456	0.0161	-0.028
J88		JUNCTION	0.025	0.026	0	01:40	0.0313	0.247	-0.611
J880		JUNCTION	0.000	0.001	0	01:46	0	0.0761	0.975

J882	JUNCTION	0.000	0.023	0	01:40	0	0.0309	0.186
J884	JUNCTION	0.000	0.010	0	01:37	0	0.0131	-0.163
J886	JUNCTION	0.002	0.025	0	01:40	0.00283	0.0336	-1.627
J89	JUNCTION	0.004	0.004	0	01:43	0.00476	0.0145	122.893
J891	JUNCTION	0.003	0.028	0	01:40	0.00366	0.0383	0.387
J893	JUNCTION	0.006	0.006	0	01:40	0.00807	0.00807	-0.134
J895	JUNCTION	0.011	0.011	0	01:40	0.0138	0.0138	-1.714
J9	JUNCTION	0.003	0.040	0	01:40	0.00383	0.0519	0.518
J9_1	JUNCTION	0.000	0.000	0	01:35	0	0.000145	6.725
J90	JUNCTION	0.011	0.011	0	01:40	0.0142	0.0465	-0.449
J900	JUNCTION	0.009	0.016	0	01:39	0.0117	0.0198	-0.637
J91	JUNCTION	0.012	0.029	0	01:54	0.0145	0.189	-1.261
J915	JUNCTION	0.000	0.006	0	01:43	0	0.0131	0.820
J92	JUNCTION	0.009	0.009	0	01:35	0.0107	0.0107	0.035
J923	JUNCTION	0.004	0.028	0	01:51	0.00534	0.175	0.090
J925	JUNCTION	0.004	0.007	0	01:40	0.00477	0.0147	5.676
J927	JUNCTION	0.008	0.008	0	01:40	0.00998	0.00998	-0.211
J929	JUNCTION	0.006	0.023	0	01:41	0.00742	0.0367	-12.439
J934	JUNCTION	0.008	0.022	0	01:40	0.00949	0.0294	0.358
J940	JUNCTION	0.020	0.020	0	01:40	0.0255	0.0255	-5.714
J95	JUNCTION	0.016	0.016	0	01:40	0.02	0.02	-2.768
J951	JUNCTION	0.016	0.016	0	01:40	0.0194	0.0194	-0.705
J954	JUNCTION	0.000	0.004	0	01:43	0	0.00659	-0.022
J960	JUNCTION	0.006	0.018	0	01:43	0.00695	0.126	0.230
J964	JUNCTION	0.002	0.010	0	01:38	0.00247	0.00983	13.768
J966	JUNCTION	0.000	0.007	0	01:40	0	0.01	-3.289
J983	JUNCTION	0.004	0.004	0	01:40	0.00477	0.00477	0.011
J998	JUNCTION	0.002	0.006	0	01:40	0.00269	0.00746	-0.261
Mesure_point	JUNCTION	0.003	0.033	0	05:26	0.00364	0.997	-0.382
J42	OUTFALL	0.000	0.020	0	01:54	0	0.255	0.000

```
  Natural_outlet       OUTFALL      0.000     0.007     0  04:12           0
0.194       0.000
  Outfall_A            OUTFALL      0.000     0.059     0  03:40           0
1.8         0.000
  Outfall_B            OUTFALL      0.000     0.058     0  04:14           0
1.41        0.000
  Bassin               STORAGE      0.090     0.539     0  01:40       0.113
2.34        0.001


  **********************
  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      Meters       Meters
  -------------------------------------------------------------------------
  16472                JUNCTION     48.00         0.000        0.000
  16555                JUNCTION     48.00         0.000        0.000
  16641                JUNCTION     48.00         0.000        0.000
  16799                JUNCTION     48.00         0.000        0.000
  16876                JUNCTION     48.00         0.000        0.000
  17114                JUNCTION     48.00         0.000        0.000
  17196                JUNCTION     48.00         0.000        0.000
  31056                JUNCTION     48.00         0.000        0.000
  31332                JUNCTION     48.00         0.000        0.000
  31583                JUNCTION     48.00         0.000        0.000
  31584                JUNCTION     48.00         0.000        0.000


  **********************
  Node Flooding Summary
  **********************

  No nodes were flooded.


  **********************
  Storage Volume Summary
  **********************

  ------------------------------------------------------------------------------
---------------
                         Average    Avg   Evap  Exfil     Maximum    Max    Time of
Max    Maximum
                          Volume    Pcnt   Pcnt   Pcnt      Volume   Pcnt
Occurrence    Outflow
  Storage Unit           1000 m³   Full   Loss   Loss     1000 m³   Full    days
hr:min        CMS
  ------------------------------------------------------------------------------
---------------
  Bassin                   1.593   31.8    0.0    0.0       2.067   41.3       0
02:55      0.030
```

****
Outfall Loading Summary
****

Outfall Node	Flow Freq Pcnt	Avg Flow CMS	Max Flow CMS	Total Volume 10^6 ltr
J42	75.73	0.004	0.020	0.255
Natural_outlet	95.63	0.002	0.007	0.194
Outfall_A	98.28	0.017	0.059	1.803
Outfall_B	98.44	0.014	0.058	1.413
System	92.02	0.037	0.137	3.666

****
Link Flow Summary
****

Link	Type	Maximum |Flow| CMS	Time of Max Occurrence days	hr:min	Maximum |Veloc| m/sec	Max/ Full Flow	Max/ Full Depth
C1	CONDUIT	0.014	0	01:40	0.14	0.03	0.23
C10	CHANNEL	0.005	0	01:40	0.21	0.00	0.08
C100	CONDUIT	0.013	0	01:42	0.12	0.07	0.25
C101	CONDUIT	0.013	0	01:40	0.27	0.04	0.12
C102	CONDUIT	0.025	0	01:40	0.12	0.01	0.22
C103	CONDUIT	0.018	0	01:40	0.19	0.08	0.23
C104	CHANNEL	0.037	0	01:40	0.27	0.00	0.03
C105	CHANNEL	0.002	0	01:40	0.21	0.00	0.14
C106	CHANNEL	0.035	0	01:41	0.24	0.00	0.03
C107	CHANNEL	0.037	0	01:40	0.23	0.01	0.10
C108	CONDUIT	0.013	0	01:41	0.10	0.06	0.25
C109	CONDUIT	0.006	0	01:40	0.20	0.07	0.18
C109_1	CONDUIT	0.112	0	01:40	0.65	0.12	0.60
C109_2	CONDUIT	0.106	0	01:42	0.17	0.05	0.37
C11	CHANNEL	0.006	0	01:42	0.17	0.00	0.14
C110	CHANNEL	0.039	0	01:42	0.15	0.00	0.07
C1100	CHANNEL	0.016	0	02:54	0.45	0.00	0.08
C111	CHANNEL	0.028	0	01:44	0.11	0.00	0.07
C112	CONDUIT	0.007	0	01:43	0.03	0.07	0.25
C113	CHANNEL	0.007	0	01:40	0.17	0.00	0.09
C114	CONDUIT	0.008	0	01:40	0.11	0.02	0.17
C115	CONDUIT	0.464	0	01:41	0.90	0.10	0.25
C116	CONDUIT	0.005	0	01:41	0.19	0.01	0.08
C117	CHANNEL	0.011	0	01:40	0.20	0.02	0.17
C119	CHANNEL	0.025	0	01:45	0.14	0.00	0.05
C12	CHANNEL	0.000	0	00:00	0.00	0.00	0.03
C12_1	CHANNEL	0.000	0	00:00	0.00	0.00	0.00
C120	CONDUIT	0.009	0	01:54	0.15	0.02	0.15
C121	CONDUIT	0.174	0	01:41	0.22	0.09	0.43
C122	CONDUIT	0.191	0	01:42	0.25	0.14	0.42
C123	CHANNEL	0.021	0	01:51	0.33	0.00	0.08

C124	CONDUIT	0.016	0	01:40	0.32	0.02	0.13
C127	CHANNEL	0.013	0	01:52	0.11	0.00	0.14
C128	CHANNEL	0.016	0	01:45	0.33	0.01	0.26
C129	CONDUIT	0.003	0	05:28	0.02	0.10	0.20
C13_1	CONDUIT	0.003	0	01:41	0.03	0.06	0.19
C13_10	CONDUIT	0.014	0	04:10	0.06	0.06	0.19
C13_2	CONDUIT	0.002	0	03:02	0.02	0.05	0.19
C13_3	CONDUIT	0.013	0	02:38	0.04	0.08	0.29
C13_4	CONDUIT	0.014	0	03:30	0.04	0.07	0.28
C13_5	CONDUIT	0.003	0	01:41	0.02	0.02	0.18
C13_6	CONDUIT	0.008	0	01:35	0.27	0.08	0.41
C13_7	CONDUIT	0.013	0	03:04	0.04	0.08	0.30
C13_8	CONDUIT	0.014	0	03:51	0.03	0.06	0.31
C131	CHANNEL	0.012	0	01:40	0.87	0.00	0.11
C132	CHANNEL	0.009	0	01:45	0.13	0.01	0.10
C133	CHANNEL	0.012	0	01:43	0.19	0.00	0.09
C134	CONDUIT	0.019	0	01:40	0.17	0.03	0.24
C137	CONDUIT	0.015	0	01:48	1.47	0.04	0.12
C138	CHANNEL	0.029	0	01:41	0.36	0.01	0.19
C139	CHANNEL	0.013	0	01:40	0.14	0.00	0.14
C14	CONDUIT	0.010	0	01:40	0.17	0.02	0.16
C142	CHANNEL	0.058	0	04:14	0.95	0.00	0.05
C143	CHANNEL	0.007	0	01:42	0.18	0.00	0.12
C144	CONDUIT	0.026	0	04:25	0.24	0.01	0.12
C145	CHANNEL	0.013	0	01:41	0.31	0.00	0.05
C146	CONDUIT	0.002	0	03:41	0.02	0.05	0.20
C147	CONDUIT	0.059	0	03:40	0.92	0.06	0.16
C15	CONDUIT	0.006	0	01:39	0.15	0.00	0.14
C150_2	CONDUIT	0.030	0	01:38	0.53	0.22	0.51
C151_1	CONDUIT	0.014	0	01:45	0.04	0.13	0.36
C151_2	CONDUIT	0.012	0	02:13	0.04	0.08	0.28
C153	CHANNEL	0.010	0	01:40	0.15	0.00	0.07
C154_3	CONDUIT	0.032	0	01:41	0.64	0.30	0.53
C155	CHANNEL	0.009	0	01:40	0.18	0.00	0.14
C156	CONDUIT	0.012	0	01:41	0.42	0.01	0.09
C158	CONDUIT	0.009	0	01:46	0.21	0.02	0.12
C16	CHANNEL	0.014	0	01:40	0.16	0.01	0.11
C162	CHANNEL	0.003	0	01:42	0.13	0.00	0.13
C163	CONDUIT	0.001	0	01:49	0.39	0.01	0.05
C164	CONDUIT	0.004	0	01:40	0.12	0.03	0.10
C165	CHANNEL	0.019	0	01:40	0.48	0.01	0.24
C166	CHANNEL	0.024	0	01:43	0.51	0.01	0.23
C167	CONDUIT	0.004	0	01:43	0.11	0.00	0.14
C169	CONDUIT	0.015	0	01:40	0.22	0.03	0.16
C17	CONDUIT	0.018	0	02:23	0.82	0.12	0.20
C171	CHANNEL	0.009	0	01:50	0.25	0.00	0.06
C172	CHANNEL	0.012	0	01:40	0.15	0.00	0.12
C173	CONDUIT	0.006	0	01:40	0.18	0.01	0.12
C176	CHANNEL	0.018	0	01:40	0.18	0.00	0.10
C177	CONDUIT	0.003	0	03:51	0.02	0.05	0.23
C18	CHANNEL	0.020	0	01:42	0.26	0.00	0.09
C180	CONDUIT	0.010	0	01:44	0.27	0.01	0.11
C186	CONDUIT	0.024	0	01:42	0.34	0.04	0.17
C188	CONDUIT	0.014	0	04:10	0.24	0.00	0.06
C189	CONDUIT	0.004	0	01:35	0.02	0.00	0.03
C19	CONDUIT	0.013	0	01:40	0.12	0.05	0.23
C190	CHANNEL	0.022	0	01:43	0.32	0.00	0.06

C191	CONDUIT	0.004	0	01:58	0.12	0.00	0.11
C196	CONDUIT	0.012	0	03:38	0.15	0.01	0.11
C199	CHANNEL	0.009	0	01:45	0.17	0.00	0.10
C2	CHANNEL	0.013	0	01:53	0.21	0.00	0.12
C20	CONDUIT	0.020	0	01:54	0.92	0.15	0.17
C200	CONDUIT	0.012	0	02:07	0.25	0.00	0.08
C202	CHANNEL	0.021	0	01:40	0.35	0.00	0.09
C205	CONDUIT	0.012	0	01:43	0.15	0.02	0.21
C206_1	CONDUIT	0.003	0	04:12	0.02	0.09	0.25
C206_2	CONDUIT	0.003	0	04:04	0.02	0.07	0.28
C207	CHANNEL	0.023	0	01:43	0.26	0.01	0.14
C208	CONDUIT	0.001	0	01:44	0.10	0.00	0.05
C21	CONDUIT	0.015	0	01:40	0.15	0.03	0.22
C212	CONDUIT	0.006	0	01:50	0.06	0.03	0.22
C213	CHANNEL	0.018	0	01:40	0.40	0.02	0.14
C213_1	CHANNEL	0.014	0	01:41	0.59	0.00	0.06
C213_3	CHANNEL	0.040	0	01:46	0.37	0.00	0.05
C213_4	CHANNEL	0.040	0	01:48	0.62	0.00	0.04
C214	CHANNEL	0.003	0	01:42	0.09	0.00	0.12
C217	CHANNEL	0.011	0	01:45	0.08	0.01	0.23
C218	CHANNEL	0.000	0	00:00	0.00	0.00	0.03
C22	CHANNEL	0.000	0	00:00	0.00	0.00	0.00
C220	CONDUIT	0.018	0	01:41	0.16	0.14	0.28
C221	CONDUIT	0.007	0	01:43	0.28	0.01	0.08
C223	CHANNEL	0.017	0	01:37	0.73	0.00	0.16
C225	CHANNEL	0.011	0	01:45	0.11	0.00	0.18
C226	CHANNEL	0.017	0	01:42	0.27	0.01	0.23
C23	CHANNEL	0.010	0	01:40	0.18	0.00	0.11
C230	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C231_1	CHANNEL	0.000	0	00:00	0.00	0.00	0.00
C231_2	CHANNEL	0.000	0	00:00	0.00	0.00	0.00
C232	CONDUIT	0.000	0	00:00	0.00	0.00	0.02
C233	CHANNEL	0.006	0	01:45	0.22	0.02	0.24
C234	CONDUIT	0.002	0	01:40	0.05	0.01	0.12
C239	CONDUIT	0.037	0	01:40	0.25	0.05	0.28
C24	CHANNEL	0.008	0	01:40	0.14	0.00	0.01
C241	CHANNEL	0.011	0	01:45	0.09	0.01	0.48
C243	CONDUIT	0.012	0	01:47	0.16	0.05	0.17
C245	CHANNEL	0.022	0	01:41	0.29	0.00	0.07
C247	CHANNEL	0.013	0	01:40	0.11	0.01	0.24
C248	CONDUIT	0.041	0	01:40	0.37	0.06	0.23
C25	CHANNEL	0.002	0	01:40	0.12	0.00	0.02
C251	CHANNEL	0.005	0	01:51	0.07	0.01	0.26
C254	CONDUIT	0.009	0	01:43	0.21	0.01	0.12
C256	CHANNEL	0.046	0	01:41	0.26	0.00	0.11
C259	CHANNEL	0.030	0	01:43	0.19	0.00	0.17
C260	CONDUIT	0.010	0	01:37	0.15	0.05	0.20
C261	CHANNEL	0.024	0	01:42	0.35	0.01	0.11
C262	CHANNEL	0.023	0	01:45	0.24	0.01	0.17
C263	CHANNEL	0.023	0	01:43	0.46	0.01	0.15
C266	CHANNEL	0.016	0	01:40	0.15	0.00	0.23
C267	CHANNEL	0.024	0	01:40	0.55	0.01	0.10
C268	CHANNEL	0.012	0	01:42	0.46	0.00	0.05
C269	CONDUIT	0.023	0	01:40	0.23	0.04	0.22
C27	CONDUIT	0.020	0	01:54	0.43	0.02	0.08
C27_1	CHANNEL	0.010	0	01:40	0.29	0.00	0.05
C27_2	CHANNEL	0.025	0	01:43	0.32	0.00	0.08

C270	CONDUIT	0.006	0	01:43	0.13	0.03	0.13
C271	CONDUIT	0.009	0	01:40	0.26	0.01	0.10
C272	CHANNEL	0.007	0	01:40	0.67	0.00	0.02
C275	CHANNEL	0.023	0	01:47	0.12	0.02	0.26
C276	CHANNEL	0.030	0	01:43	0.50	0.01	0.14
C277	CHANNEL	0.000	0	00:00	0.00	0.00	0.08
C279	CHANNEL	0.007	0	01:40	0.28	0.00	0.03
C28	CONDUIT	0.020	0	01:54	0.45	0.01	0.14
C281	CONDUIT	0.012	0	01:42	0.21	0.02	0.14
C282	CHANNEL	0.036	0	01:51	0.15	0.01	0.54
C283	CHANNEL	0.016	0	01:43	0.49	0.01	0.15
C284	CHANNEL	0.010	0	01:46	0.10	0.02	0.34
C285	CHANNEL	0.023	0	01:45	0.40	0.00	0.11
C287	CHANNEL	0.007	0	01:40	0.32	0.00	0.03
C287_1	CHANNEL	0.007	0	01:48	0.41	0.00	0.22
C287_2	CHANNEL	0.033	0	04:22	0.29	0.02	0.38
C288	CONDUIT	0.003	0	01:54	0.10	0.01	0.08
C289	CONDUIT	0.003	0	01:44	0.04	0.02	0.16
C29	CHANNEL	0.009	0	01:41	0.14	0.00	0.09
C290	CHANNEL	0.011	0	01:49	0.38	0.00	0.15
C291	CHANNEL	0.024	0	01:44	0.12	0.02	0.48
C292	CHANNEL	0.007	0	01:41	1.00	0.00	0.02
C293	CONDUIT	0.023	0	01:41	0.29	0.02	0.20
C294	CHANNEL	0.030	0	01:40	0.31	0.01	0.17
C296	CHANNEL	0.006	0	01:49	0.03	0.00	0.31
C297_1	CHANNEL	0.010	0	01:48	0.11	0.00	0.15
C298	CHANNEL	0.011	0	01:44	0.13	0.01	0.18
C299	CHANNEL	0.003	0	01:55	1.11	0.00	0.01
C3	CHANNEL	0.015	0	01:42	0.24	0.05	0.37
C30	CHANNEL	0.013	0	01:40	0.23	0.01	0.14
C300	CHANNEL	0.036	0	01:40	0.52	0.01	0.26
C302	CONDUIT	0.019	0	01:43	0.17	0.04	0.24
C304_1	CONDUIT	0.013	0	01:41	0.53	0.11	0.21
C304_2	CONDUIT	0.013	0	01:41	0.14	0.00	0.09
C305	CHANNEL	0.020	0	01:48	0.24	0.00	0.14
C306	CHANNEL	0.005	0	01:46	0.27	0.00	0.17
C308	CHANNEL	0.026	0	01:49	0.52	0.00	0.08
C309	CHANNEL	0.025	0	01:46	0.30	0.01	0.14
C31	CHANNEL	0.018	0	01:42	0.26	0.02	0.20
C310_1	CONDUIT	0.000	0	00:00	0.00	0.00	0.08
C310_2	CHANNEL	0.000	0	00:00	0.00	0.00	0.00
C311	CHANNEL	0.013	0	01:50	0.10	0.00	0.29
C313	CHANNEL	0.016	0	01:43	0.12	0.01	0.32
C314	CHANNEL	0.000	0	00:00	0.00	0.00	0.02
C319	CHANNEL	0.022	0	01:45	0.13	0.00	0.06
C32	CONDUIT	0.008	0	01:41	0.21	0.01	0.10
C320	CONDUIT	0.004	0	01:48	0.08	0.02	0.15
C322	CHANNEL	0.001	0	01:38	0.14	0.00	0.04
C323	CHANNEL	0.022	0	01:45	0.27	0.01	0.19
C324	CHANNEL	0.025	0	01:50	0.12	0.04	0.49
C326	CHANNEL	0.017	0	01:44	0.40	0.00	0.03
C327	CONDUIT	0.012	0	01:59	0.22	0.02	0.14
C329	CHANNEL	0.001	0	01:44	0.10	0.00	0.02
C33	CHANNEL	0.037	0	01:41	0.46	0.00	0.07
C331	CHANNEL	0.021	0	01:46	0.16	0.00	0.07
C333	CHANNEL	0.001	0	01:47	0.35	0.00	0.02
C334	CONDUIT	0.005	0	01:37	0.76	0.01	0.06

C335	CONDUIT	0.012	0	01:56	0.19	0.01	0.18
C336	CHANNEL	0.003	0	01:45	0.50	0.00	0.03
C337	CONDUIT	0.018	0	01:46	0.25	0.00	0.03
C34	CHANNEL	0.036	0	01:42	0.49	0.00	0.11
C340	CHANNEL	0.013	0	02:01	0.13	0.01	0.36
C341	CONDUIT	0.010	0	01:42	0.13	0.02	0.18
C343	CHANNEL	0.019	0	01:57	0.14	0.02	0.23
C346	CHANNEL	0.001	0	01:53	0.34	0.00	0.03
C35	CHANNEL	0.008	0	01:46	0.14	0.00	0.09
C350	CHANNEL	0.008	0	01:40	0.21	0.00	0.05
C352	CHANNEL	0.013	0	01:49	0.05	0.00	0.06
C353	CHANNEL	0.002	0	01:49	0.04	0.00	0.09
C355	CHANNEL	0.033	0	02:52	0.61	0.02	0.21
C356	CONDUIT	0.001	0	03:15	0.06	0.01	0.07
C359	CONDUIT	0.015	0	01:51	0.31	0.01	0.13
C36	CONDUIT	0.008	0	01:46	0.25	0.01	0.06
C361	CONDUIT	0.009	0	01:44	0.56	0.08	0.20
C363	CONDUIT	0.010	0	01:46	0.18	0.03	0.14
C365	CHANNEL	0.006	0	01:47	0.03	0.00	0.05
C367	CONDUIT	0.006	0	02:44	0.14	0.01	0.11
C368	CHANNEL	0.019	0	02:02	0.15	0.01	0.22
C371	CHANNEL	0.003	0	02:02	>50.00	0.00	0.02
C372	CONDUIT	0.002	0	01:46	0.04	0.00	0.13
C374	CHANNEL	0.006	0	01:41	0.11	0.00	0.20
C375	CHANNEL	0.027	0	01:41	0.32	0.01	0.16
C376	CHANNEL	0.003	0	02:09	0.02	0.03	0.42
C377	CHANNEL	0.003	0	02:05	0.24	0.00	0.02
C378	CHANNEL	0.003	0	02:07	0.30	0.00	0.06
C379	CHANNEL	0.003	0	02:10	0.70	0.00	0.05
C38	CHANNEL	0.017	0	01:40	0.50	0.00	0.06
C381_1	CHANNEL	0.003	0	02:10	0.01	0.00	0.14
C381_2	CHANNEL	0.030	0	04:17	0.03	0.00	0.16
C382	CHANNEL	0.018	0	02:08	0.30	0.00	0.06
C383	CONDUIT	0.005	0	01:40	0.23	0.00	0.08
C384	CHANNEL	0.028	0	04:18	0.44	0.00	0.04
C385	CHANNEL	0.027	0	04:18	0.60	0.00	0.08
C388	CONDUIT	0.026	0	04:23	0.25	0.02	0.14
C39	CONDUIT	0.009	0	01:40	0.16	0.01	0.15
C391	CHANNEL	0.037	0	01:44	0.42	0.01	0.15
C397	CHANNEL	0.026	0	04:23	0.45	0.00	0.08
C398	CHANNEL	0.026	0	04:24	0.18	0.00	0.10
C399	CONDUIT	0.012	0	02:59	0.15	0.00	0.09
C4	CHANNEL	0.016	0	01:40	0.24	0.00	0.13
C400	CHANNEL	0.007	0	01:41	0.06	0.00	0.10
C401	CHANNEL	0.038	0	01:55	0.25	0.00	0.06
C403	CONDUIT	0.007	0	01:40	0.13	0.01	0.14
C404	CHANNEL	0.008	0	01:40	0.13	0.00	0.02
C405	CHANNEL	0.000	0	01:42	0.08	0.00	0.01
C407	CHANNEL	0.014	0	01:45	0.35	0.00	0.14
C408	CONDUIT	0.007	0	01:40	0.18	0.01	0.11
C409	CHANNEL	0.012	0	02:15	0.17	0.02	0.22
C41	CONDUIT	0.008	0	01:39	0.12	0.05	0.18
C412	CHANNEL	0.005	0	01:40	0.09	0.00	0.14
C413	CHANNEL	0.012	0	01:42	0.23	0.00	0.11
C414	CHANNEL	0.002	0	01:47	0.60	0.00	0.01
C415	CHANNEL	0.003	0	01:43	0.10	0.00	0.03
C416	CONDUIT	0.007	0	01:50	0.29	0.00	0.07

C417	CHANNEL	0.004	0	01:40	2.33	0.00	0.04
C42	CHANNEL	0.013	0	01:41	0.09	0.01	0.22
C420	CONDUIT	0.012	0	03:42	0.21	0.00	0.07
C423	CHANNEL	0.024	0	01:55	0.09	0.01	0.22
C424	CHANNEL	0.001	0	01:43	0.24	0.00	0.05
C425	CHANNEL	0.000	0	00:00	0.00	0.00	0.03
C426	CHANNEL	0.000	0	00:00	0.00	0.00	0.03
C427	CONDUIT	0.001	0	04:32	0.06	0.00	0.05
C428	CHANNEL	0.000	0	00:00	0.00	0.00	0.03
C429	CHANNEL	0.018	0	01:44	0.19	0.01	0.40
C43	CHANNEL	0.024	0	01:40	0.48	0.00	0.12
C431	CHANNEL	0.000	0	00:00	0.00	0.00	0.00
C432	CONDUIT	0.013	0	02:30	0.19	0.00	0.08
C433	CHANNEL	0.009	0	01:40	0.30	0.00	0.18
C436	CHANNEL	0.000	0	00:00	0.00	0.00	0.00
C437	CONDUIT	0.002	0	01:40	0.13	0.00	0.07
C439_1	CHANNEL	0.030	0	02:09	0.33	0.00	0.08
C439_2	CHANNEL	0.043	0	02:14	0.68	0.00	0.06
C44	CHANNEL	0.008	0	01:41	0.15	0.01	0.16
C441	CHANNEL	0.001	0	04:56	0.02	0.00	0.17
C443	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C444_2	CONDUIT	0.031	0	01:47	0.34	0.04	0.20
C445	CONDUIT	0.003	0	01:42	0.12	0.01	0.09
C447	CONDUIT	0.013	0	02:34	0.22	0.00	0.09
C448	CHANNEL	0.013	0	02:16	0.12	0.00	0.13
C449	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C45	CHANNEL	0.004	0	01:41	0.14	0.00	0.18
C451	CHANNEL	0.033	0	05:31	0.18	0.01	0.28
C452	CONDUIT	0.009	0	05:53	0.15	0.04	0.15
C453	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C455	CHANNEL	0.008	0	06:06	0.03	0.01	0.57
C456	CONDUIT	0.001	0	01:45	0.09	0.00	0.07
C457	CHANNEL	0.000	0	00:00	0.00	0.00	0.00
C459	CHANNEL	0.000	0	00:00	0.00	0.00	0.00
C46	CHANNEL	0.009	0	01:41	0.19	0.01	0.14
C460	CONDUIT	0.008	0	06:24	0.16	0.02	0.14
C463	CHANNEL	0.000	0	00:00	0.00	0.00	0.01
C464	CHANNEL	0.004	0	01:40	0.14	0.00	0.13
C465	CONDUIT	0.013	0	02:44	0.19	0.00	0.08
C466	CHANNEL	0.039	0	01:56	0.12	0.01	0.30
C467	CONDUIT	0.005	0	01:41	0.10	0.01	0.14
C468	CONDUIT	0.008	0	06:26	0.16	0.01	0.13
C469	CONDUIT	0.011	0	01:41	0.21	0.02	0.13
C47	CHANNEL	0.002	0	01:40	0.08	0.00	0.05
C470	CONDUIT	0.009	0	01:42	0.12	0.03	0.17
C471	CONDUIT	0.000	0	00:00	0.00	0.00	0.21
C472	CHANNEL	0.014	0	03:18	0.09	0.00	0.09
C473	CONDUIT	0.007	0	02:09	0.11	0.02	0.16
C474	CHANNEL	0.000	0	00:00	0.00	0.00	0.00
C475	CONDUIT	0.012	0	03:27	0.19	0.03	0.15
C476	CONDUIT	0.016	0	01:45	0.23	0.02	0.17
C478	CHANNEL	0.041	0	06:25	0.35	0.04	0.22
C479	CONDUIT	0.016	0	01:55	0.32	0.02	0.13
C48	CONDUIT	0.013	0	01:40	0.25	0.03	0.14
C481	CHANNEL	0.012	0	03:29	0.34	0.00	0.10
C482	CHANNEL	0.017	0	02:01	0.39	0.01	0.13
C483	CONDUIT	0.012	0	01:54	0.43	0.03	0.11

C485	CHANNEL	0.043	0	02:17	0.37	0.00	0.05
C486	CHANNEL	0.025	0	01:40	0.33	0.01	0.14
C488	CHANNEL	0.013	0	01:52	0.99	0.00	0.02
C49	CONDUIT	0.008	0	01:40	0.06	0.00	0.29
C490	CHANNEL	0.023	0	01:42	0.24	0.01	0.20
C491	CHANNEL	0.042	0	02:22	0.73	0.00	0.06
C492	CHANNEL	0.013	0	01:53	0.05	0.00	0.16
C493	CHANNEL	0.013	0	01:53	0.07	0.00	0.11
C495	CONDUIT	0.028	0	01:51	0.38	0.05	0.17
C498	CHANNEL	0.016	0	01:42	0.17	0.01	0.21
C499	CHANNEL	0.037	0	01:42	0.26	0.00	0.16
C5	CHANNEL	0.012	0	01:40	0.31	0.00	0.06
C50	CHANNEL	0.000	0	01:43	0.09	0.00	0.03
C500	CHANNEL	0.017	0	02:07	0.14	0.00	0.14
C501	CHANNEL	0.013	0	02:00	0.05	0.00	0.17
C502	CHANNEL	0.013	0	02:02	0.14	0.00	0.10
C505	CHANNEL	0.019	0	01:48	0.21	0.00	0.28
C507	CHANNEL	0.051	0	02:35	0.42	0.04	0.24
C508	CHANNEL	0.014	0	02:02	0.12	0.00	0.17
C510	CHANNEL	0.015	0	02:05	0.03	0.00	0.30
C513	CONDUIT	0.014	0	04:22	0.17	0.02	0.18
C514	CHANNEL	0.024	0	01:42	0.12	0.00	0.28
C517	CHANNEL	0.053	0	02:38	0.71	0.01	0.20
C518	CONDUIT	0.014	0	04:24	0.28	0.02	0.13
C52	CONDUIT	0.013	0	01:40	0.10	0.03	0.26
C520	CHANNEL	0.006	0	01:41	0.52	0.00	0.03
C521	CHANNEL	0.006	0	01:40	0.12	0.00	0.07
C522	CHANNEL	0.014	0	04:28	0.21	0.00	0.11
C524	CHANNEL	0.001	0	01:44	0.10	0.00	0.04
C525	CHANNEL	0.030	0	02:15	0.20	0.00	0.11
C525_3	CHANNEL	0.004	0	01:45	0.10	0.00	0.03
C526	CHANNEL	0.053	0	02:39	0.58	0.00	0.15
C527	CHANNEL	0.029	0	02:13	0.16	0.00	0.10
C528	CHANNEL	0.054	0	02:42	0.72	0.04	0.21
C53	CHANNEL	0.024	0	01:40	0.47	0.00	0.03
C530	CHANNEL	0.018	0	04:14	0.18	0.01	0.25
C535	CONDUIT	0.018	0	04:25	0.31	0.01	0.13
C537	CHANNEL	0.027	0	02:12	0.05	0.00	0.16
C537_2	CHANNEL	0.018	0	04:42	0.16	0.01	0.31
C537_3	CONDUIT	0.018	0	04:38	0.11	0.01	0.09
C537_4	CONDUIT	0.018	0	04:40	0.94	0.19	0.12
C54	CHANNEL	0.011	0	01:37	0.24	0.00	0.04
C540	CONDUIT	0.000	0	01:37	0.02	0.00	0.05
C541	CONDUIT	0.003	0	01:40	0.09	0.01	0.11
C542	CONDUIT	0.004	0	01:40	0.11	0.00	0.09
C543	CHANNEL	0.008	0	01:38	0.14	0.00	0.06
C545	CONDUIT	0.007	0	01:41	0.13	0.01	0.14
C546	CHANNEL	0.004	0	01:43	0.09	0.00	0.06
C547	CONDUIT	0.008	0	01:43	0.18	0.02	0.12
C548	CONDUIT	0.018	0	04:56	0.39	0.01	0.12
C549	CHANNEL	0.006	0	02:15	0.03	0.00	0.17
C55	CHANNEL	0.009	0	01:40	0.20	0.02	0.29
C550	CHANNEL	0.015	0	01:45	0.15	0.00	0.08
C551	CHANNEL	0.018	0	04:57	0.25	0.02	0.16
C552	CHANNEL	0.016	0	01:44	0.13	0.00	0.10
C553_1	CHANNEL	0.016	0	01:46	0.38	0.00	0.10
C553_2	CHANNEL	0.010	0	02:12	0.23	0.00	0.11

C554	CHANNEL	0.005	0	04:14	0.05	0.00	0.07
C555	CHANNEL	0.010	0	02:23	0.17	0.00	0.07
C556	CHANNEL	0.016	0	01:41	0.61	0.00	0.04
C557	CHANNEL	0.037	0	01:48	0.15	0.00	0.18
C558	CHANNEL	0.020	0	02:20	0.20	0.00	0.08
C559	CHANNEL	0.030	0	02:26	0.34	0.00	0.07
C56	CHANNEL	0.000	0	01:47	0.06	0.00	0.03
C560_1	CONDUIT	0.038	0	01:41	1.25	0.25	0.25
C560_2	CHANNEL	0.034	0	01:42	0.75	0.00	0.07
C561	CHANNEL	0.080	0	04:16	0.72	0.00	0.25
C562	CHANNEL	0.050	0	02:01	0.36	0.00	0.35
C564	CHANNEL	0.000	0	01:42	0.01	0.00	0.14
C565	CHANNEL	0.001	0	01:42	0.22	0.00	0.06
C566	CHANNEL	0.003	0	01:51	0.16	0.01	0.18
C567	CHANNEL	0.004	0	01:51	0.14	0.01	0.24
C568	CHANNEL	0.007	0	01:43	0.17	0.00	0.17
C569	CHANNEL	0.012	0	01:52	0.13	0.01	0.31
C57	CHANNEL	0.010	0	01:37	0.42	0.00	0.06
C570	CHANNEL	0.005	0	04:15	0.36	0.00	0.03
C571	CHANNEL	0.004	0	01:45	0.62	0.00	0.02
C572	CHANNEL	0.003	0	01:46	0.08	0.00	0.03
C573	CHANNEL	0.000	0	05:26	0.00	0.00	0.02
C574	CONDUIT	0.000	0	05:10	0.02	0.00	0.01
C575	CHANNEL	0.000	0	03:17	0.00	0.00	0.07
C577	CHANNEL	0.005	0	01:41	0.15	0.00	0.10
C58	CONDUIT	0.012	0	01:42	0.23	0.02	0.13
C580	CHANNEL	0.003	0	01:40	0.08	0.00	0.04
C581	CHANNEL	0.003	0	01:36	0.69	0.00	0.01
C584	CONDUIT	0.006	0	02:24	0.16	0.02	0.11
C586	CHANNEL	0.008	0	01:40	0.48	0.00	0.08
C587_1	CHANNEL	0.057	0	02:49	0.12	0.01	0.33
C59	CONDUIT	0.021	0	01:40	0.32	0.04	0.16
C6	CONDUIT	0.005	0	01:38	0.15	0.01	0.10
C60	CHANNEL	0.017	0	01:40	0.32	0.01	0.21
C600	CHANNEL	0.018	0	01:41	0.33	0.00	0.18
C603	CONDUIT	0.010	0	01:42	0.18	0.02	0.15
C606	CONDUIT	0.009	0	01:44	0.18	0.02	0.13
C608	CONDUIT	0.017	0	01:41	0.17	0.02	0.22
C609	CONDUIT	0.002	0	01:40	0.15	0.00	0.05
C61	CHANNEL	0.021	0	01:40	0.21	0.01	0.26
C610	CONDUIT	0.012	0	01:41	0.17	0.12	0.17
C614	CHANNEL	0.025	0	01:45	0.27	0.05	0.51
C615	CHANNEL	0.003	0	01:41	0.17	0.00	0.02
C617	CONDUIT	0.012	0	02:09	0.23	0.02	0.13
C62	CHANNEL	0.014	0	01:41	0.27	0.00	0.08
C620	CONDUIT	0.015	0	01:50	0.13	0.03	0.24
C621_1	CHANNEL	0.028	0	01:55	0.36	0.03	0.26
C621_2	CHANNEL	0.027	0	02:00	0.28	0.02	0.43
C622	CHANNEL	0.014	0	03:19	0.22	0.02	0.23
C624	CHANNEL	0.033	0	01:46	0.28	0.00	0.09
C63	CHANNEL	0.015	0	01:43	0.15	0.00	0.02
C64	CHANNEL	0.003	0	01:40	0.24	0.00	0.08
C66	CHANNEL	0.008	0	01:40	0.38	0.00	0.06
C67	CONDUIT	0.003	0	01:42	0.11	0.01	0.08
C68	CHANNEL	0.018	0	02:11	0.12	0.00	0.06
C69	CHANNEL	0.013	0	01:40	0.23	0.00	0.03
C7_1	CHANNEL	0.000	0	00:00	0.00	0.00	0.00

C7_2	CHANNEL	0.000	0	00:00	0.00	0.00	0.00
C70	CONDUIT	0.007	0	04:12	0.88	0.00	0.03
C71	CHANNEL	0.018	0	02:14	0.11	0.00	0.05
C72	CONDUIT	0.006	0	01:41	0.11	0.03	0.15
C72_3	CONDUIT	0.065	0	01:40	0.28	0.03	0.21
C72_5	CONDUIT	0.063	0	01:40	0.46	0.06	0.48
C72_6	CONDUIT	0.062	0	01:40	0.14	0.03	0.28
C73	CONDUIT	0.007	0	01:40	0.19	0.01	0.11
C74	CONDUIT	0.005	0	01:43	0.15	0.01	0.09
C75	CONDUIT	0.009	0	01:40	0.16	0.01	0.15
C76	CHANNEL	0.000	0	00:00	0.00	0.00	0.01
C77	CHANNEL	0.026	0	01:40	0.24	0.01	0.25
C78	CHANNEL	0.018	0	02:17	0.22	0.00	0.03
C79	CONDUIT	0.009	0	01:40	0.17	0.02	0.14
C8	CONDUIT	0.009	0	01:41	0.11	0.04	0.20
C80	CONDUIT	0.015	0	01:49	1.45	0.06	0.15
C81	CHANNEL	0.015	0	01:48	0.39	0.00	0.12
C82	CHANNEL	0.014	0	01:41	0.30	0.00	0.12
C83	CONDUIT	0.146	0	01:40	0.29	0.07	0.31
C84	CHANNEL	0.019	0	02:19	0.10	0.00	0.05
C85	CONDUIT	0.007	0	01:43	0.09	0.02	0.18
C86	CHANNEL	0.011	0	01:40	0.17	0.00	0.11
C87	CONDUIT	0.028	0	01:40	0.37	0.09	0.18
C88	CONDUIT	0.005	0	01:40	0.17	0.01	0.09
C9	CONDUIT	0.007	0	01:40	0.06	0.03	0.25
C9_1	CHANNEL	0.000	0	00:00	0.00	0.00	0.01
C9_2	CHANNEL	0.000	0	01:35	0.09	0.00	0.03
C90	CONDUIT	0.019	0	01:42	0.30	0.02	0.15
C91	CHANNEL	0.019	0	02:22	0.34	0.00	0.09
C92	CONDUIT	0.011	0	01:40	0.37	0.01	0.10
C93	CONDUIT	0.032	0	01:51	1.29	0.03	0.08
C94	CHANNEL	0.017	0	02:53	0.21	0.00	0.11
C95	CONDUIT	0.220	0	01:40	0.36	0.06	0.36
C96	CHANNEL	0.009	0	01:44	0.27	0.00	0.09
C97	CHANNEL	0.017	0	02:56	0.37	0.00	0.08
C98	CONDUIT	0.026	0	01:40	1.13	0.05	0.14
C99	CONDUIT	0.010	0	01:41	0.15	0.02	0.24
P1	PUMP	0.000	0	00:00		0.00	
P2	PUMP	0.030	0	01:38		1.00	

****
Flow Classification Summary
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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
C1	1.00	0.00	0.35	0.00	0.65	0.00	0.00	0.00	0.99	0.00

C10	1.00	0.00	0.00	0.00	0.98	0.01	0.00	0.00	0.98
0.00									
C100	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C101	1.00	0.07	0.43	0.00	0.50	0.00	0.00	0.00	0.73
0.00									
C102	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99
0.00									
C103	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C104	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C105	1.00	0.00	0.00	0.00	0.91	0.09	0.00	0.00	0.00
0.00									
C106	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.99
0.00									
C107	1.00	0.00	0.41	0.00	0.59	0.00	0.00	0.00	0.97
0.00									
C108	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C109	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.19
0.00									
C109_1	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98
0.00									
C109_2	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98
0.00									
C11	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.92
0.00									
C110	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.02
0.00									
C1100	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.03
0.00									
C111	1.00	0.00	0.03	0.00	0.97	0.00	0.00	0.00	0.00
0.00									
C112	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.03
0.00									
C113	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.98
0.00									
C114	1.00	0.15	0.18	0.00	0.67	0.00	0.00	0.00	0.66
0.00									
C115	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
C116	1.00	0.00	0.69	0.00	0.31	0.00	0.00	0.00	0.93
0.00									
C117	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C119	1.00	0.00	0.03	0.00	0.97	0.00	0.00	0.00	0.97
0.00									
C12	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C12_1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C120	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.96
0.00									
C121	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.91
0.00									
C122	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.01
0.00									
C123	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.96
0.00									

C124	1.00	0.00	0.52	0.00	0.48	0.00	0.00	0.00	0.95
0.00									
C127	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.99
0.00									
C128	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.96
0.00									
C129	1.00	0.00	0.00	0.00	0.66	0.00	0.00	0.34	0.00
0.00									
C13_1	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.89
0.00									
C13_10	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C13_2	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.90
0.00									
C13_3	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.97
0.00									
C13_4	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.92
0.00									
C13_5	1.00	0.00	0.03	0.00	0.97	0.00	0.00	0.00	0.13
0.00									
C13_6	1.00	0.00	0.42	0.00	0.57	0.00	0.00	0.00	0.92
0.00									
C13_7	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.94
0.00									
C13_8	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.97
0.00									
C131	1.00	0.00	0.00	0.00	0.83	0.17	0.00	0.00	0.90
0.00									
C132	1.00	0.00	0.09	0.00	0.91	0.00	0.00	0.00	0.97
0.00									
C133	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.98
0.00									
C134	1.00	0.06	0.31	0.00	0.63	0.00	0.00	0.00	0.92
0.00									
C137	1.00	0.02	0.00	0.00	0.87	0.11	0.00	0.00	0.89
0.00									
C138	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.97
0.00									
C139	1.00	0.53	0.15	0.00	0.32	0.00	0.00	0.00	0.40
0.00									
C14	1.00	0.15	0.33	0.00	0.52	0.00	0.00	0.00	0.72
0.00									
C142	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.07
0.00									
C143	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.99
0.00									
C144	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.03
0.00									
C145	1.00	0.00	0.00	0.00	0.04	0.96	0.00	0.00	0.02
0.00									
C146	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.92
0.00									
C147	1.00	0.00	0.00	0.00	0.70	0.30	0.00	0.00	0.00
0.00									
C15	1.00	0.47	0.30	0.00	0.23	0.00	0.00	0.00	0.48
0.00									
C150_2	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.95
0.00									
C151_1	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98
0.00									

C151_2	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.03
0.00									
C153	1.00	0.00	0.53	0.00	0.47	0.00	0.00	0.00	0.99
0.00									
C154_3	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.88
0.00									
C155	1.00	0.00	0.00	0.00	0.89	0.11	0.00	0.00	0.10
0.00									
C156	1.00	0.00	0.53	0.00	0.47	0.00	0.00	0.00	0.96
0.00									
C158	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00	0.00
0.00									
C16	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C162	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.97
0.00									
C163	1.00	0.03	0.41	0.00	0.55	0.00	0.00	0.00	0.96
0.00									
C164	1.00	0.00	0.18	0.00	0.82	0.00	0.00	0.00	0.20
0.00									
C165	1.00	0.00	0.00	0.00	0.97	0.03	0.00	0.00	0.97
0.00									
C166	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.98
0.00									
C167	1.00	0.00	0.56	0.00	0.44	0.00	0.00	0.00	0.98
0.00									
C169	1.00	0.00	0.40	0.00	0.60	0.00	0.00	0.00	0.96
0.00									
C17	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C171	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00	0.02
0.00									
C172	1.00	0.00	0.81	0.00	0.19	0.00	0.00	0.00	0.99
0.00									
C173	1.00	0.00	0.69	0.00	0.31	0.00	0.00	0.00	0.99
0.00									
C176	1.00	0.00	0.43	0.00	0.57	0.00	0.00	0.00	0.99
0.00									
C177	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.96
0.00									
C18	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.96
0.00									
C180	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C186	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.00
0.00									
C188	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.99
0.00									
C189	1.00	0.00	0.11	0.00	0.89	0.00	0.00	0.00	0.96
0.00									
C19	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.02
0.00									
C190	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.97
0.00									
C191	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.99
0.00									
C196	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
C199	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.88
0.00									

C2	1.00	0.00	0.03	0.00	0.97	0.00	0.00	0.00	0.97
0.00									
C20	1.00	0.03	0.00	0.00	0.82	0.15	0.00	0.00	0.00
0.00									
C200	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00	0.97
0.00									
C202	1.00	0.00	0.00	0.00	0.61	0.39	0.00	0.00	0.01
0.00									
C205	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.03
0.00									
C206_1	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.70
0.00									
C206_2	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.83
0.00									
C207	1.00	0.12	0.32	0.00	0.56	0.00	0.00	0.00	0.59
0.00									
C208	1.00	0.05	0.44	0.00	0.52	0.00	0.00	0.00	0.83
0.00									
C21	1.00	0.29	0.19	0.00	0.53	0.00	0.00	0.00	0.54
0.00									
C212	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.01
0.00									
C213	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.00
0.00									
C213_1	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.96
0.00									
C213_3	1.00	0.01	0.00	0.00	0.98	0.01	0.00	0.00	0.96
0.00									
C213_4	1.00	0.01	0.02	0.00	0.00	0.97	0.00	0.00	0.00
0.00									
C214	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99
0.00									
C217	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.20
0.00									
C218	1.00	0.28	0.72	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C22	1.00	0.85	0.15	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C220	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.81
0.00									
C221	1.00	0.00	0.60	0.00	0.40	0.00	0.00	0.00	0.96
0.00									
C223	1.00	0.00	0.00	0.00	0.87	0.13	0.00	0.00	0.09
0.00									
C225	1.00	0.00	0.07	0.00	0.93	0.00	0.00	0.00	1.00
0.00									
C226	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.97
0.00									
C23	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.98
0.00									
C230	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C231_1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C231_2	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C232	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C233	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00	0.00
0.00									

C234	1.00	0.00	0.25	0.00	0.75	0.00	0.00	0.00	0.98
0.00									
C239	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.02
0.00									
C24	1.00	0.00	0.72	0.00	0.26	0.02	0.00	0.00	0.99
0.00									
C241	1.00	0.00	0.00	0.00	0.63	0.37	0.00	0.00	0.10
0.00									
C243	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.83
0.00									
C245	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.94
0.00									
C247	1.00	0.00	0.05	0.00	0.95	0.00	0.00	0.00	0.98
0.00									
C248	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C25	1.00	0.00	0.85	0.00	0.15	0.00	0.00	0.00	1.00
0.00									
C251	1.00	0.00	0.02	0.00	0.92	0.06	0.00	0.00	0.51
0.00									
C254	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.93
0.00									
C256	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.00
0.00									
C259	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.98
0.00									
C260	1.00	0.00	0.38	0.00	0.62	0.00	0.00	0.00	0.88
0.00									
C261	1.00	0.00	0.08	0.00	0.92	0.00	0.00	0.00	0.97
0.00									
C262	1.00	0.00	0.14	0.00	0.86	0.00	0.00	0.00	1.00
0.00									
C263	1.00	0.00	0.00	0.00	0.30	0.70	0.00	0.00	0.98
0.00									
C266	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.99
0.00									
C267	1.00	0.72	0.04	0.00	0.16	0.08	0.00	0.00	0.03
0.00									
C268	1.00	0.00	0.00	0.00	0.97	0.03	0.00	0.00	0.98
0.00									
C269	1.00	0.04	0.11	0.00	0.85	0.00	0.00	0.00	0.00
0.00									
C27	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.00
0.00									
C27_1	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.99
0.00									
C27_2	1.00	0.00	0.00	0.00	0.39	0.61	0.00	0.00	1.00
0.00									
C270	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.88
0.00									
C271	1.00	0.00	0.62	0.00	0.38	0.00	0.00	0.00	0.96
0.00									
C272	1.00	0.00	0.00	0.00	0.79	0.21	0.00	0.00	0.91
0.00									
C275	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99
0.00									
C276	1.00	0.00	0.00	0.00	0.97	0.03	0.00	0.00	0.96
0.00									
C277	1.00	0.01	0.99	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

C279	1.00	0.00	0.00	0.00	0.97	0.02	0.00	0.00	0.98
0.00									
C28	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.97
0.00									
C281	1.00	0.16	0.24	0.00	0.61	0.00	0.00	0.00	0.47
0.00									
C282	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
C283	1.00	0.00	0.01	0.00	0.68	0.31	0.00	0.00	0.00
0.00									
C284	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
C285	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.90
0.00									
C287	1.00	0.01	0.00	0.00	0.52	0.47	0.00	0.00	0.00
0.00									
C287_1	1.00	0.00	0.00	0.00	0.97	0.03	0.00	0.00	0.96
0.00									
C287_2	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.99
0.00									
C288	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.90
0.00									
C289	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.86
0.00									
C29	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.96
0.00									
C290	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.16
0.00									
C291	1.00	0.00	0.00	0.00	0.31	0.69	0.00	0.00	0.31
0.00									
C292	1.00	0.02	0.00	0.00	0.97	0.01	0.00	0.00	0.96
0.00									
C293	1.00	0.00	0.11	0.00	0.89	0.00	0.00	0.00	0.98
0.00									
C294	1.00	0.00	0.73	0.00	0.27	0.00	0.00	0.00	1.00
0.00									
C296	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.17
0.00									
C297_1	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.02
0.00									
C298	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.02
0.00									
C299	1.00	0.03	0.00	0.00	0.09	0.89	0.00	0.00	0.00
0.00									
C3	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C30	1.00	0.00	0.00	0.00	0.65	0.35	0.00	0.00	0.14
0.00									
C300	1.00	0.00	0.00	0.00	0.82	0.18	0.00	0.00	0.11
0.00									
C302	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98
0.00									
C304_1	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.16
0.00									
C304_2	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.78
0.00									
C305	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.97
0.00									
C306	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.99
0.00									

C308	1.00	0.00	0.00	0.00	0.92	0.08	0.00	0.00	0.88
0.00									
C309	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00	0.98
0.00									
C31	1.00	0.00	0.00	0.00	0.64	0.36	0.00	0.00	0.16
0.00									
C310_1	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C310_2	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C311	1.00	0.00	0.02	0.00	0.66	0.32	0.00	0.00	0.25
0.00									
C313	1.00	0.00	0.00	0.00	0.48	0.52	0.00	0.00	0.20
0.00									
C314	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C319	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.02
0.00									
C32	1.00	0.00	0.55	0.00	0.45	0.00	0.00	0.00	0.90
0.00									
C320	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.03
0.00									
C322	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C323	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.97
0.00									
C324	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.51
0.00									
C326	1.00	0.00	0.00	0.00	0.61	0.39	0.00	0.00	0.25
0.00									
C327	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.82
0.00									
C329	1.00	0.00	0.03	0.00	0.97	0.00	0.00	0.00	0.01
0.00									
C33	1.00	0.00	0.00	0.00	0.20	0.79	0.00	0.00	0.00
0.00									
C331	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.04
0.00									
C333	1.00	0.03	0.00	0.00	0.46	0.51	0.00	0.00	0.00
0.00									
C334	1.00	0.00	0.28	0.00	0.69	0.03	0.00	0.00	0.92
0.00									
C335	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.97
0.00									
C336	1.00	0.00	0.03	0.00	0.96	0.00	0.00	0.00	0.97
0.00									
C337	1.00	0.00	0.16	0.00	0.84	0.00	0.00	0.00	0.97
0.00									
C34	1.00	0.00	0.01	0.00	0.98	0.02	0.00	0.00	0.99
0.00									
C340	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.86
0.00									
C341	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98
0.00									
C343	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.02
0.00									
C346	1.00	0.00	0.03	0.00	0.43	0.54	0.00	0.00	0.40
0.00									
C35	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.99
0.00									

C350	1.00	0.00	0.00	0.00	0.40	0.60	0.00	0.00	0.22
0.00									
C352	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00	0.02
0.00									
C353	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.03
0.00									
C355	1.00	0.00	0.00	0.00	0.83	0.17	0.00	0.00	0.00
0.00									
C356	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C359	1.00	0.00	0.27	0.00	0.73	0.00	0.00	0.00	0.96
0.00									
C36	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.88
0.00									
C361	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.96
0.00									
C363	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.44
0.00									
C365	1.00	0.01	0.03	0.00	0.96	0.00	0.00	0.00	0.00
0.00									
C367	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.84
0.00									
C368	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.98
0.00									
C371	1.00	0.04	0.00	0.00	0.92	0.05	0.00	0.00	0.94
0.00									
C372	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.03
0.00									
C374	1.00	0.00	0.00	0.00	0.42	0.58	0.00	0.00	0.19
0.00									
C375	1.00	0.00	0.00	0.00	0.22	0.78	0.00	0.00	0.00
0.00									
C376	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.02
0.00									
C377	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.90
0.00									
C378	1.00	0.04	0.00	0.00	0.56	0.40	0.00	0.00	0.96
0.00									
C379	1.00	0.04	0.00	0.00	0.08	0.88	0.00	0.00	0.03
0.00									
C38	1.00	0.00	0.00	0.00	0.97	0.03	0.00	0.00	0.99
0.00									
C381_1	1.00	0.01	0.04	0.00	0.95	0.00	0.00	0.00	0.96
0.00									
C381_2	1.00	0.01	0.04	0.00	0.94	0.00	0.00	0.00	0.00
0.00									
C382	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.96
0.00									
C383	1.00	0.00	0.76	0.00	0.24	0.00	0.00	0.00	1.00
0.00									
C384	1.00	0.06	0.00	0.00	0.57	0.37	0.00	0.00	0.94
0.00									
C385	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.94
0.00									
C388	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.00
0.00									
C39	1.00	0.65	0.13	0.00	0.22	0.00	0.00	0.00	0.28
0.00									
C391	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.96
0.00									

C397	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.00
0.00									
C398	1.00	0.00	0.06	0.00	0.94	0.00	0.00	0.00	0.94
0.00									
C399	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.87
0.00									
C4	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.99
0.00									
C400	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.99
0.00									
C401	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.99
0.00									
C403	1.00	0.00	0.63	0.00	0.37	0.00	0.00	0.00	0.98
0.00									
C404	1.00	0.00	0.79	0.00	0.21	0.00	0.00	0.00	0.98
0.00									
C405	1.00	0.00	0.01	0.00	0.93	0.06	0.00	0.00	0.02
0.00									
C407	1.00	0.00	0.01	0.00	0.97	0.01	0.00	0.00	0.06
0.00									
C408	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.02
0.00									
C409	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.28
0.00									
C41	1.00	0.00	0.23	0.00	0.77	0.00	0.00	0.00	0.89
0.00									
C412	1.00	0.00	0.60	0.00	0.39	0.01	0.00	0.00	0.99
0.00									
C413	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.97
0.00									
C414	1.00	0.00	0.03	0.00	0.63	0.33	0.00	0.00	0.63
0.00									
C415	1.00	0.01	0.02	0.00	0.97	0.00	0.00	0.00	0.00
0.00									
C416	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.95
0.00									
C417	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.89
0.00									
C42	1.00	0.00	0.01	0.00	0.55	0.44	0.00	0.00	0.05
0.00									
C420	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.67
0.00									
C423	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.46
0.00									
C424	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.01
0.00									
C425	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C426	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C427	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C428	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C429	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
C43	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.98
0.00									
C431	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									

C432	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.04
0.00									
C433	1.00	0.00	0.00	0.00	0.97	0.03	0.00	0.00	0.01
0.00									
C436	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C437	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99
0.00									
C439_1	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98
0.00									
C439_2	1.00	0.00	0.01	0.00	0.24	0.75	0.00	0.00	0.00
0.00									
C44	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98
0.00									
C441	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00	0.98
0.00									
C443	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C444_2	1.00	0.00	0.58	0.00	0.42	0.00	0.00	0.00	0.79
0.00									
C445	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.96
0.00									
C447	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.97
0.00									
C448	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
C449	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C45	1.00	0.00	0.00	0.00	0.96	0.04	0.00	0.00	0.12
0.00									
C451	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.97
0.00									
C452	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.02
0.00									
C453	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C455	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.54
0.00									
C456	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.04
0.00									
C457	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C459	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C46	1.00	0.14	0.29	0.00	0.57	0.00	0.00	0.00	0.63
0.00									
C460	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C463	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C464	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.99
0.00									
C465	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.88
0.00									
C466	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.93
0.00									
C467	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
C468	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									

C469	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.48
0.00									
C47	1.00	0.00	0.00	0.00	0.79	0.21	0.00	0.00	1.00
0.00									
C470	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C471	1.00	0.01	0.99	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C472	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C473	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.98
0.00									
C474	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C475	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.03
0.00									
C476	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
C478	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.96
0.00									
C479	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.91
0.00									
C48	1.00	0.57	0.08	0.00	0.35	0.00	0.00	0.00	0.24
0.00									
C481	1.00	0.00	0.00	0.00	0.96	0.04	0.00	0.00	0.00
0.00									
C482	1.00	0.00	0.00	0.00	0.51	0.49	0.00	0.00	0.00
0.00									
C483	1.00	0.00	0.09	0.00	0.91	0.00	0.00	0.00	0.88
0.00									
C485	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.96
0.00									
C486	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.98
0.00									
C488	1.00	0.00	0.00	0.00	0.35	0.65	0.00	0.00	0.31
0.00									
C49	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.03
0.00									
C490	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.99
0.00									
C491	1.00	0.00	0.01	0.00	0.94	0.06	0.00	0.00	0.96
0.00									
C492	1.00	0.01	0.03	0.00	0.97	0.00	0.00	0.00	0.00
0.00									
C493	1.00	0.00	0.03	0.00	0.97	0.00	0.00	0.00	0.95
0.00									
C495	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C498	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.51
0.00									
C499	1.00	0.00	0.00	0.00	0.61	0.39	0.00	0.00	0.77
0.00									
C5	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.97
0.00									
C50	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.96
0.00									
C500	1.00	0.00	0.01	0.00	0.98	0.00	0.00	0.00	0.98
0.00									
C501	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.03
0.00									

C502	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.03
0.00									
C505	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.97
0.00									
C507	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99
0.00									
C508	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.03
0.00									
C510	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.02
0.00									
C513	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
C514	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.02
0.00									
C517	1.00	0.00	0.00	0.00	0.82	0.18	0.00	0.00	0.01
0.00									
C518	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C52	1.00	0.00	0.48	0.00	0.52	0.00	0.00	0.00	0.99
0.00									
C520	1.00	0.00	0.00	0.00	0.97	0.02	0.00	0.00	0.99
0.00									
C521	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C522	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.99
0.00									
C524	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.01
0.00									
C525	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.00
0.00									
C525_3	1.00	0.01	0.12	0.00	0.87	0.00	0.00	0.00	0.97
0.00									
C526	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.99
0.00									
C527	1.00	0.01	0.02	0.00	0.96	0.00	0.00	0.00	0.00
0.00									
C528	1.00	0.00	0.00	0.00	0.61	0.39	0.00	0.00	0.00
0.00									
C53	1.00	0.00	0.04	0.00	0.93	0.03	0.00	0.00	0.93
0.00									
C530	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.22
0.00									
C535	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.96
0.00									
C537	1.00	0.00	0.04	0.00	0.96	0.00	0.00	0.00	0.01
0.00									
C537_2	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.64
0.00									
C537_3	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.67
0.00									
C537_4	1.00	0.00	0.00	0.00	0.82	0.18	0.00	0.00	0.02
0.00									
C54	1.00	0.00	0.00	0.00	0.75	0.25	0.00	0.00	0.00
0.00									
C540	1.00	0.69	0.24	0.00	0.07	0.00	0.00	0.00	0.96
0.00									
C541	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.02
0.00									
C542	1.00	0.50	0.19	0.00	0.31	0.00	0.00	0.00	0.47
0.00									

C543	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C545	1.00	0.29	0.21	0.00	0.50	0.00	0.00	0.00	0.67
0.00									
C546	1.00	0.00	0.03	0.00	0.97	0.00	0.00	0.00	0.91
0.00									
C547	1.00	0.00	0.30	0.00	0.70	0.00	0.00	0.00	0.95
0.00									
C548	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00
0.00									
C549	1.00	0.00	0.04	0.00	0.96	0.00	0.00	0.00	0.00
0.00									
C55	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99
0.00									
C550	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.02
0.00									
C551	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.99
0.00									
C552	1.00	0.00	0.11	0.00	0.89	0.01	0.00	0.00	0.99
0.00									
C553_1	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98
0.00									
C553_2	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98
0.00									
C554	1.00	0.04	0.01	0.00	0.95	0.00	0.00	0.00	0.00
0.00									
C555	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99
0.00									
C556	1.00	0.00	0.00	0.00	0.57	0.43	0.00	0.00	0.28
0.00									
C557	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
C558	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.00
0.00									
C559	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.99
0.00									
C56	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.00
0.00									
C560_1	1.00	0.00	0.00	0.00	0.79	0.21	0.00	0.00	0.37
0.00									
C560_2	1.00	0.00	0.00	0.00	0.96	0.04	0.00	0.00	0.93
0.00									
C561	1.00	0.00	0.00	0.00	0.97	0.03	0.00	0.00	0.06
0.00									
C562	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.00
0.00									
C564	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
C565	1.00	0.00	0.00	0.00	0.09	0.91	0.00	0.00	0.01
0.00									
C566	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.26
0.00									
C567	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.44
0.00									
C568	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.98
0.00									
C569	1.00	0.00	0.00	0.00	0.59	0.41	0.00	0.00	0.11
0.00									
C57	1.00	0.00	0.00	0.00	0.93	0.07	0.00	0.00	0.92
0.00									

C570	1.00	0.03	0.02	0.00	0.05	0.90	0.00	0.00	0.95
0.00									
C571	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.00	0.96
0.00									
C572	1.00	0.00	0.03	0.00	0.97	0.00	0.00	0.00	0.00
0.00									
C573	1.00	0.00	0.07	0.00	0.93	0.00	0.00	0.00	0.93
0.00									
C574	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00	0.18
0.00									
C575	1.00	0.00	0.07	0.00	0.93	0.00	0.00	0.00	0.00
0.00									
C577	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.02
0.00									
C58	1.00	0.00	0.26	0.00	0.74	0.00	0.00	0.00	0.94
0.00									
C580	1.00	0.00	0.87	0.00	0.13	0.00	0.00	0.00	0.99
0.00									
C581	1.00	0.00	0.00	0.00	0.88	0.12	0.00	0.00	0.00
0.00									
C584	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.78
0.00									
C586	1.00	0.00	0.00	0.00	0.97	0.03	0.00	0.00	0.96
0.00									
C587_1	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.99
0.00									
C59	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.01
0.00									
C6	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.01
0.00									
C60	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.98
0.00									
C600	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.98
0.00									
C603	1.00	0.00	0.37	0.00	0.63	0.00	0.00	0.00	0.96
0.00									
C606	1.00	0.00	0.15	0.00	0.84	0.00	0.00	0.00	0.95
0.00									
C608	1.00	0.00	0.17	0.00	0.83	0.00	0.00	0.00	0.99
0.00									
C609	1.00	0.00	0.78	0.00	0.22	0.00	0.00	0.00	0.96
0.00									
C61	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.99
0.00									
C610	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C614	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.97
0.00									
C615	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.01
0.00									
C617	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.03
0.00									
C62	1.00	0.00	0.00	0.00	0.47	0.53	0.00	0.00	0.04
0.00									
C620	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99
0.00									
C621_1	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.03
0.00									
C621_2	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									

C622	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.90
0.00									
C624	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.91
0.00									
C63	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.98
0.00									
C64	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.97
0.00									
C66	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.98
0.00									
C67	1.00	0.00	0.40	0.00	0.60	0.00	0.00	0.00	0.88
0.00									
C68	1.00	0.01	0.02	0.00	0.97	0.00	0.00	0.00	0.00
0.00									
C69	1.00	0.00	0.73	0.00	0.27	0.00	0.00	0.00	0.98
0.00									
C7_1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C7_2	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C70	1.00	0.03	0.00	0.00	0.00	0.97	0.00	0.00	0.06
0.00									
C71	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00	0.00
0.00									
C72	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.76
0.00									
C72_3	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
C72_5	1.00	0.00	0.02	0.00	0.97	0.00	0.00	0.00	0.98
0.00									
C72_6	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.97
0.00									
C73	1.00	0.00	0.51	0.00	0.49	0.00	0.00	0.00	0.91
0.00									
C74	1.00	0.00	0.35	0.00	0.65	0.00	0.00	0.00	0.89
0.00									
C75	1.00	0.50	0.24	0.00	0.26	0.00	0.00	0.00	0.38
0.00									
C76	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C77	1.00	0.00	0.59	0.00	0.41	0.00	0.00	0.00	0.98
0.00									
C78	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.03
0.00									
C79	1.00	0.00	0.22	0.00	0.78	0.00	0.00	0.00	0.23
0.00									
C8	1.00	0.00	0.04	0.00	0.95	0.00	0.00	0.00	0.87
0.00									
C80	1.00	0.03	0.00	0.00	0.89	0.07	0.00	0.00	0.94
0.00									
C81	1.00	0.03	0.00	0.00	0.49	0.48	0.00	0.00	0.47
0.00									
C82	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.97
0.00									
C83	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.03
0.00									
C84	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.97
0.00									
C85	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.06
0.00									

C86	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00	0.97
0.00									
C87	1.00	0.39	0.06	0.00	0.55	0.00	0.00	0.00	0.43
0.00									
C88	1.00	0.55	0.14	0.00	0.31	0.00	0.00	0.00	0.30
0.00									
C9	1.00	0.00	0.19	0.00	0.81	0.00	0.00	0.00	0.29
0.00									
C9_1	1.00	0.03	0.97	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
C9_2	1.00	0.00	0.03	0.00	0.83	0.13	0.00	0.00	0.96
0.00									
C90	1.00	0.00	0.30	0.00	0.70	0.00	0.00	0.00	0.91
0.00									
C91	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.98
0.00									
C92	1.00	0.00	0.63	0.00	0.37	0.00	0.00	0.00	0.97
0.00									
C93	1.00	0.00	0.00	0.00	0.75	0.25	0.00	0.00	0.47
0.00									
C94	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00	0.99
0.00									
C95	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.96
0.00									
C96	1.00	0.00	0.00	0.00	0.33	0.67	0.00	0.00	0.99
0.00									
C97	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.02
0.00									
C98	1.00	0.00	0.00	0.00	0.97	0.03	0.00	0.00	0.96
0.00									
C99	1.00	0.00	0.00	0.00	1.00	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
C282	0.01	0.01	45.22	0.01	0.01

****
Pumping Summary
****

Pump	Percent Utilized	Number of Start-Ups	Min Flow CMS	Avg Flow CMS	Max Flow CMS	Total Volume 10^6 ltr	Power Usage Kw-hr	% Time Off Pump Curve Low	% Time Off Pump Curve High

P1			0.00		0	0.00	0.00	0.00	0.000	0.00	0.0	0.0
P2			16.97		1	0.00	0.03	0.03	0.880	0.70	0.0	100.0

Analysis begun on: Fri Oct 24 10:14:22 2025
Analysis ended on: Fri Oct 24 10:14:33 2025
Total elapsed time: 00:00:11

Appendix B-6: Post-development 24h storm 100y event to compare with predevelopment 24h storm 2y event

EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)

****
Element Count
****
Number of rain gages 7
Number of subcatchments ... 8
Number of nodes 5
Number of links 4
Number of pollutants 0
Number of land uses 0

****
Raingage Summary
****

Name	Data Source	Data Type	Recording Interval
100y_103.5mm	100y_103.5mm	INTENSITY	15 min.
10y_72mm	10y_72mm	INTENSITY	15 min.
25y_84mm	25y_84mm	INTENSITY	15 min.
2y_48mm	2y_48mm	INTENSITY	15 min.
50y_93.6mm	50y_93.6mm	INTENSITY	15 min.
5y_62.4mm	5y_62.4mm	INTENSITY	15 min.
Chicago_4h	Chicago_4h	INTENSITY	10 min.

****
Subcatchment Summary
****

Name	Area	Width	%Imperv	%Slope	Rain Gage	Outlet
S105_1	0.60	116.74	2.00	4.2070	2y_48mm	J111
S2	1.02	113.26	2.00	4.7370	2y_48mm	J86
S64	1.35	173.21	2.00	4.9200	2y_48mm	J270
S68_1	0.25	23.92	2.00	7.9820	2y_48mm	J86
S72_2	0.00	0.04	2.00	3.5540	2y_48mm	J86
S8	1.48	99.07	2.00	4.4270	2y_48mm	J2
S82_1	1.35	93.11	2.00	4.4500	2y_48mm	J107
S91_1	0.71	68.69	2.00	5.3300	2y_48mm	J111

****
Node Summary

****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J107	JUNCTION	98.16	1.00	0.0	
J111	JUNCTION	99.31	1.00	0.0	
J270	JUNCTION	96.96	1.00	0.0	
J86	JUNCTION	98.10	1.00	0.0	
J2	OUTFALL	96.92	0.64	0.0	

****
Link Summary
****

Name	From Node	To Node	Type	Length	% Slope	Roughness
C113_1	J270	J2	CONDUIT	5.2	0.6955	0.0100
C50	J86	J270	CONDUIT	71.7	1.5911	0.0100
C80	J111	J107	CONDUIT	88.8	1.2946	0.0100
C85	J107	J270	CONDUIT	157.1	0.7639	0.0100

****
Cross Section Summary
****

Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
C113_1	C113	0.64	6.62	0.34	19.26	1	26.70
C50	C50	0.32	1.46	0.17	8.24	1	5.78
C80	C80	0.75	4.30	0.30	14.17	1	21.90
C85	C85	0.65	3.74	0.23	15.97	1	12.30

****
Transect Summary
****

Transect C100
Area:

0.0007	0.0026	0.0059	0.0106	0.0160
0.0221	0.0289	0.0363	0.0445	0.0535
0.0633	0.0739	0.0849	0.0963	0.1084
0.1218	0.1376	0.1555	0.1742	0.1936
0.2135	0.2339	0.2548	0.2761	0.2979

0.3201 0.3428 0.3659 0.3895 0.4134
0.4378 0.4625 0.4877 0.5133 0.5393
0.5657 0.5926 0.6201 0.6480 0.6765
0.7055 0.7350 0.7650 0.7956 0.8267
0.8583 0.8909 0.9248 0.9606 1.0000

Hrad:

0.0204 0.0408 0.0612 0.0838 0.1127
0.1399 0.1657 0.1907 0.2114 0.2314
0.2515 0.2783 0.3090 0.3360 0.3527
0.3681 0.3790 0.3454 0.3711 0.4013
0.4315 0.4614 0.4916 0.5213 0.5507
0.5797 0.6087 0.6383 0.6675 0.6965
0.7251 0.7534 0.7815 0.8094 0.8367
0.8626 0.8863 0.9100 0.9335 0.9570
0.9803 1.0035 1.0262 1.0485 1.0708
1.0916 1.0909 1.0916 1.0530 1.0000

Width:

0.0325 0.0650 0.0975 0.1263 0.1424
0.1586 0.1748 0.1909 0.2108 0.2315
0.2522 0.2659 0.2751 0.2868 0.3075
0.3589 0.4202 0.4509 0.4702 0.4832
0.4956 0.5076 0.5189 0.5302 0.5415
0.5528 0.5636 0.5737 0.5838 0.5939
0.6039 0.6140 0.6241 0.6342 0.6445
0.6557 0.6685 0.6812 0.6940 0.7067
0.7194 0.7322 0.7452 0.7585 0.7717
0.7860 0.8165 0.8509 0.9279 1.0000

Transect C101

Area:

0.0010 0.0042 0.0091 0.0150 0.0217
0.0292 0.0372 0.0457 0.0547 0.0642
0.0743 0.0848 0.0958 0.1072 0.1192
0.1315 0.1444 0.1577 0.1714 0.1856
0.2001 0.2149 0.2301 0.2457 0.2617
0.2780 0.2947 0.3118 0.3292 0.3470
0.3652 0.3838 0.4027 0.4227 0.4461
0.4746 0.5042 0.5339 0.5639 0.5947
0.6273 0.6618 0.6985 0.7394 0.7812
0.8237 0.8669 0.9106 0.9550 1.0000

Hrad:

0.0228 0.0456 0.0760 0.1086 0.1390
0.1705 0.2041 0.2364 0.2677 0.2980
0.3276 0.3565 0.3860 0.4150 0.4435
0.4716 0.4992 0.5265 0.5534 0.5845
0.6164 0.6454 0.6742 0.7026 0.7307
0.7586 0.7862 0.8136 0.8408 0.8677
0.8945 0.9211 0.9461 0.9483 0.9238
0.7291 0.7686 0.8077 0.8467 0.8841
0.9183 0.9499 0.9613 0.8062 0.8385
0.8706 0.9033 0.9358 0.9680 1.0000

Width:

0.0462 0.0923 0.1208 0.1387 0.1567
0.1716 0.1826 0.1936 0.2047 0.2157
0.2267 0.2378 0.2479 0.2581 0.2682
0.2784 0.2886 0.2987 0.3089 0.3165
0.3234 0.3316 0.3399 0.3481 0.3563

0.3646 0.3728 0.3810 0.3893 0.3975
0.4057 0.4140 0.4228 0.4703 0.5891
0.6494 0.6544 0.6593 0.6643 0.7003
0.7403 0.7830 0.8510 0.9167 0.9313
0.9459 0.9595 0.9730 0.9865 1.0000

Transect C103
Area:
0.0019 0.0076 0.0153 0.0236 0.0324
0.0418 0.0518 0.0623 0.0733 0.0847
0.0966 0.1088 0.1214 0.1344 0.1478
0.1616 0.1758 0.1904 0.2054 0.2208
0.2366 0.2527 0.2693 0.2863 0.3038
0.3216 0.3399 0.3587 0.3778 0.3974
0.4175 0.4379 0.4588 0.4802 0.5019
0.5241 0.5467 0.5698 0.5937 0.6190
0.6458 0.6754 0.7106 0.7501 0.7902
0.8307 0.8720 0.9140 0.9566 1.0000
Hrad:
0.0219 0.0450 0.0841 0.1210 0.1561
0.1896 0.2219 0.2530 0.2854 0.3187
0.3512 0.3830 0.4142 0.4448 0.4749
0.5046 0.5338 0.5626 0.5910 0.6191
0.6469 0.6744 0.7006 0.7261 0.7514
0.7766 0.8016 0.8264 0.8511 0.8757
0.9001 0.9245 0.9487 0.9729 0.9969
1.0209 1.0447 1.0654 1.0536 1.0382
1.0266 0.9715 0.8843 0.8231 0.8577
0.8879 0.9162 0.9444 0.9723 1.0000
Width:
0.0873 0.1701 0.1828 0.1955 0.2082
0.2209 0.2336 0.2463 0.2570 0.2660
0.2750 0.2841 0.2931 0.3021 0.3112
0.3202 0.3292 0.3382 0.3473 0.3563
0.3653 0.3744 0.3839 0.3938 0.4037
0.4136 0.4235 0.4334 0.4433 0.4532
0.4631 0.4729 0.4828 0.4927 0.5026
0.5125 0.5224 0.5339 0.5626 0.5954
0.6285 0.7360 0.8739 0.9112 0.9211
0.9355 0.9516 0.9677 0.9839 1.0000

Transect C109
Area:
0.0006 0.0025 0.0057 0.0102 0.0159
0.0225 0.0298 0.0377 0.0463 0.0555
0.0653 0.0757 0.0866 0.0982 0.1103
0.1231 0.1364 0.1504 0.1650 0.1804
0.1965 0.2133 0.2308 0.2490 0.2679
0.2876 0.3080 0.3292 0.3511 0.3738
0.3972 0.4215 0.4469 0.4735 0.5012
0.5299 0.5591 0.5887 0.6187 0.6494
0.6809 0.7133 0.7466 0.7806 0.8153
0.8508 0.8870 0.9239 0.9616 1.0000
Hrad:
0.0183 0.0367 0.0550 0.0733 0.0939
0.1190 0.1429 0.1666 0.1909 0.2144
0.2373 0.2597 0.2817 0.3032 0.3245

0.3455 0.3663 0.3857 0.4026 0.4196
0.4367 0.4546 0.4728 0.4909 0.5091
0.5256 0.5423 0.5591 0.5760 0.5930
0.6101 0.6220 0.6294 0.6378 0.6471
0.6700 0.6965 0.7229 0.7489 0.7743
0.7986 0.8173 0.8404 0.8643 0.8878
0.9109 0.9337 0.9561 0.9782 1.0000

Width:

0.0329 0.0658 0.0986 0.1315 0.1601
0.1785 0.1968 0.2140 0.2293 0.2446
0.2598 0.2751 0.2904 0.3057 0.3210
0.3363 0.3516 0.3680 0.3869 0.4057
0.4246 0.4428 0.4608 0.4788 0.4968
0.5164 0.5360 0.5556 0.5752 0.5948
0.6144 0.6396 0.6701 0.7006 0.7311
0.7465 0.7576 0.7686 0.7826 0.8021
0.8220 0.8471 0.8673 0.8863 0.9052
0.9242 0.9431 0.9621 0.9810 1.0000

Transect C113

Area:

0.0010 0.0035 0.0067 0.0107 0.0154
0.0208 0.0270 0.0339 0.0415 0.0500
0.0592 0.0690 0.0793 0.0902 0.1016
0.1136 0.1261 0.1392 0.1528 0.1670
0.1818 0.1971 0.2140 0.2342 0.2555
0.2776 0.3006 0.3244 0.3489 0.3737
0.3987 0.4240 0.4498 0.4761 0.5030
0.5307 0.5593 0.5902 0.6216 0.6534
0.6857 0.7184 0.7516 0.7854 0.8198
0.8548 0.8904 0.9264 0.9630 1.0000

Hrad:

0.0189 0.0455 0.0703 0.0931 0.1147
0.1361 0.1560 0.1751 0.1941 0.2131
0.2342 0.2585 0.2818 0.3048 0.3273
0.3495 0.3713 0.3925 0.4135 0.4343
0.4550 0.4694 0.4639 0.4241 0.4433
0.4635 0.4840 0.5044 0.5326 0.5652
0.5975 0.6224 0.6468 0.6709 0.6926
0.7057 0.7034 0.7077 0.7348 0.7617
0.7884 0.8138 0.8358 0.8576 0.8793
0.9025 0.9255 0.9484 0.9729 1.0000

Width:

0.0524 0.0777 0.0972 0.1167 0.1363
0.1553 0.1753 0.1962 0.2171 0.2380
0.2565 0.2708 0.2854 0.3001 0.3148
0.3295 0.3443 0.3594 0.3746 0.3897
0.4049 0.4256 0.5056 0.5599 0.5843
0.6073 0.6297 0.6521 0.6638 0.6693
0.6747 0.6882 0.7020 0.7158 0.7320
0.7575 0.8007 0.8395 0.8509 0.8623
0.8737 0.8862 0.9024 0.9186 0.9347
0.9491 0.9635 0.9779 0.9903 1.0000

Transect C114

Area:

0.0028 0.0095 0.0168 0.0246 0.0327

0.0413 0.0503 0.0598 0.0697 0.0800
0.0908 0.1020 0.1136 0.1257 0.1382
0.1515 0.1655 0.1802 0.1956 0.2117
0.2285 0.2465 0.2659 0.2864 0.3077
0.3295 0.3518 0.3747 0.3980 0.4219
0.4463 0.4712 0.4966 0.5224 0.5484
0.5748 0.6016 0.6288 0.6563 0.6842
0.7125 0.7411 0.7701 0.8000 0.8308
0.8627 0.8955 0.9293 0.9641 1.0000

Hrad:

0.0187 0.0502 0.0835 0.1151 0.1454
0.1745 0.2025 0.2298 0.2562 0.2820
0.3073 0.3320 0.3562 0.3801 0.3973
0.4129 0.4288 0.4448 0.4610 0.4775
0.4892 0.4907 0.4944 0.5067 0.5310
0.5550 0.5788 0.6024 0.6257 0.6488
0.6718 0.6945 0.7209 0.7480 0.7734
0.7986 0.8235 0.8482 0.8727 0.8970
0.9211 0.9449 0.9631 0.9670 0.9718
0.9775 0.9847 0.9926 1.0010 1.0000

Width:

0.1519 0.1934 0.2052 0.2171 0.2289
0.2407 0.2526 0.2644 0.2762 0.2881
0.2999 0.3118 0.3236 0.3354 0.3529
0.3722 0.3915 0.4109 0.4303 0.4497
0.4740 0.5099 0.5457 0.5738 0.5881
0.6024 0.6167 0.6310 0.6454 0.6597
0.6740 0.6883 0.6982 0.7068 0.7169
0.7269 0.7370 0.7470 0.7570 0.7671
0.7771 0.7872 0.8019 0.8293 0.8566
0.8838 0.9103 0.9368 0.9633 1.0000

Transect C116

Area:

0.0004 0.0017 0.0038 0.0068 0.0106
0.0149 0.0198 0.0254 0.0315 0.0382
0.0455 0.0532 0.0614 0.0698 0.0786
0.0876 0.0970 0.1066 0.1165 0.1267
0.1372 0.1480 0.1591 0.1705 0.1841
0.1992 0.2151 0.2317 0.2491 0.2673
0.2883 0.3124 0.3384 0.3665 0.3964
0.4283 0.4617 0.4958 0.5307 0.5663
0.6042 0.6444 0.6858 0.7279 0.7708
0.8146 0.8593 0.9048 0.9514 1.0000

Hrad:

0.0248 0.0495 0.0743 0.0991 0.1297
0.1595 0.1881 0.2160 0.2433 0.2701
0.2966 0.3310 0.3650 0.4011 0.4365
0.4711 0.5052 0.5386 0.5715 0.6040
0.6360 0.6676 0.6988 0.7297 0.7500
0.7665 0.7840 0.8020 0.8149 0.8228
0.8252 0.8245 0.8203 0.8165 0.8151
0.8160 0.6861 0.7192 0.7519 0.7843
0.7543 0.7812 0.8100 0.8455 0.8790
0.9122 0.9452 0.9779 0.9917 1.0000

Width:

0.0172 0.0345 0.0517 0.0690 0.0815

0.0935 0.1054 0.1173 0.1292 0.1412
0.1531 0.1606 0.1679 0.1738 0.1796
0.1855 0.1914 0.1973 0.2032 0.2091
0.2150 0.2209 0.2267 0.2326 0.2994
0.3137 0.3280 0.3423 0.3586 0.3769
0.4660 0.5055 0.5464 0.5853 0.6242
0.6631 0.6811 0.6963 0.7115 0.7267
0.8000 0.8228 0.8436 0.8582 0.8753
0.8925 0.9097 0.9268 0.9605 1.0000

Transect C16
Area:
0.0011 0.0048 0.0125 0.0220 0.0320
0.0425 0.0534 0.0649 0.0769 0.0894
0.1028 0.1169 0.1318 0.1475 0.1640
0.1815 0.2000 0.2192 0.2391 0.2596
0.2807 0.3024 0.3248 0.3477 0.3708
0.3941 0.4175 0.4412 0.4650 0.4890
0.5132 0.5375 0.5619 0.5865 0.6113
0.6362 0.6612 0.6864 0.7117 0.7372
0.7628 0.7885 0.8144 0.8405 0.8667
0.8930 0.9195 0.9461 0.9728 1.0000
Hrad:
0.0139 0.0261 0.0378 0.0631 0.0872
0.1105 0.1329 0.1546 0.1757 0.1924
0.2086 0.2246 0.2404 0.2551 0.2682
0.2816 0.2950 0.3120 0.3301 0.3479
0.3654 0.3828 0.4000 0.4208 0.4450
0.4691 0.4930 0.5167 0.5403 0.5636
0.5874 0.6113 0.6350 0.6586 0.6821
0.7054 0.7286 0.7516 0.7746 0.7974
0.8201 0.8426 0.8651 0.8874 0.9096
0.9317 0.9537 0.9756 0.9973 1.0000
Width:
0.0802 0.2058 0.3363 0.3541 0.3719
0.3898 0.4076 0.4254 0.4433 0.4711
0.4992 0.5274 0.5555 0.5857 0.6198
0.6534 0.6868 0.7120 0.7342 0.7563
0.7785 0.8006 0.8228 0.8370 0.8435
0.8499 0.8564 0.8629 0.8694 0.8759
0.8815 0.8867 0.8919 0.8971 0.9024
0.9076 0.9128 0.9180 0.9233 0.9285
0.9337 0.9389 0.9442 0.9494 0.9546
0.9598 0.9651 0.9703 0.9756 1.0000

Transect C25
Area:
0.0069 0.0156 0.0246 0.0340 0.0439
0.0541 0.0648 0.0759 0.0874 0.0993
0.1116 0.1243 0.1374 0.1510 0.1649
0.1793 0.1941 0.2093 0.2249 0.2409
0.2573 0.2742 0.2915 0.3093 0.3278
0.3468 0.3664 0.3866 0.4074 0.4288
0.4508 0.4733 0.4965 0.5203 0.5447
0.5698 0.5955 0.6220 0.6491 0.6770
0.7055 0.7347 0.7646 0.7952 0.8265
0.8584 0.8915 0.9261 0.9623 1.0000

Hrad:

0.0316	0.0675	0.1019	0.1350	0.1670
0.1979	0.2280	0.2573	0.2858	0.3137
0.3410	0.3678	0.3942	0.4201	0.4456
0.4707	0.4955	0.5199	0.5438	0.5675
0.5910	0.6142	0.6359	0.6527	0.6696
0.6867	0.7039	0.7212	0.7386	0.7561
0.7737	0.7914	0.8091	0.8269	0.8422
0.8571	0.8723	0.8876	0.9032	0.9189
0.9348	0.9508	0.9670	0.9833	0.9997
1.0139	1.0082	1.0004	0.9949	1.0000

Width:

0.2198	0.2306	0.2413	0.2521	0.2628
0.2735	0.2843	0.2950	0.3057	0.3165
0.3272	0.3379	0.3487	0.3594	0.3702
0.3809	0.3916	0.4025	0.4135	0.4244
0.4354	0.4464	0.4583	0.4738	0.4893
0.5049	0.5204	0.5359	0.5514	0.5669
0.5825	0.5980	0.6135	0.6290	0.6466
0.6646	0.6826	0.7006	0.7186	0.7366
0.7546	0.7726	0.7906	0.8086	0.8266
0.8465	0.8842	0.9257	0.9672	1.0000

Transect C36

Area:

0.0014	0.0049	0.0097	0.0158	0.0227
0.0302	0.0381	0.0468	0.0582	0.0717
0.0868	0.1026	0.1188	0.1354	0.1525
0.1701	0.1881	0.2066	0.2255	0.2449
0.2648	0.2851	0.3058	0.3269	0.3484
0.3704	0.3927	0.4155	0.4386	0.4621
0.4860	0.5102	0.5348	0.5598	0.5851
0.6108	0.6368	0.6631	0.6898	0.7167
0.7440	0.7716	0.7995	0.8277	0.8562
0.8848	0.9134	0.9422	0.9710	1.0000

Hrad:

0.0147	0.0345	0.0517	0.0685	0.0918
0.1144	0.1360	0.1552	0.1673	0.1780
0.1624	0.1864	0.2100	0.2330	0.2554
0.2773	0.2989	0.3201	0.3410	0.3616
0.3827	0.4037	0.4244	0.4448	0.4650
0.4851	0.5049	0.5253	0.5458	0.5661
0.5863	0.6063	0.6261	0.6457	0.6653
0.6850	0.7056	0.7261	0.7464	0.7665
0.7866	0.8065	0.8263	0.8460	0.8710
0.8969	0.9228	0.9486	0.9744	1.0000

Width:

0.0973	0.1425	0.1877	0.2305	0.2479
0.2639	0.2799	0.3451	0.4309	0.4991
0.5350	0.5505	0.5659	0.5813	0.5973
0.6134	0.6294	0.6455	0.6615	0.6776
0.6921	0.7064	0.7208	0.7351	0.7494
0.7637	0.7780	0.7911	0.8038	0.8164
0.8290	0.8417	0.8543	0.8669	0.8796
0.8917	0.9026	0.9134	0.9243	0.9351
0.9460	0.9568	0.9677	0.9785	0.9831
0.9865	0.9898	0.9932	0.9966	1.0000

Transect C50

Area:

0.0020	0.0078	0.0169	0.0267	0.0369
0.0476	0.0587	0.0703	0.0824	0.0950
0.1080	0.1215	0.1354	0.1498	0.1647
0.1800	0.1958	0.2120	0.2288	0.2460
0.2636	0.2818	0.3005	0.3196	0.3393
0.3595	0.3802	0.4013	0.4230	0.4452
0.4678	0.4910	0.5147	0.5388	0.5635
0.5887	0.6144	0.6408	0.6678	0.6952
0.7230	0.7513	0.7799	0.8090	0.8385
0.8684	0.8988	0.9308	0.9647	1.0000

Hrad:

0.0181	0.0362	0.0642	0.0966	0.1277
0.1576	0.1866	0.2147	0.2420	0.2687
0.2947	0.3202	0.3452	0.3698	0.3940
0.4177	0.4412	0.4643	0.4870	0.5092
0.5311	0.5523	0.5733	0.5941	0.6148
0.6354	0.6558	0.6762	0.6964	0.7165
0.7365	0.7565	0.7764	0.7961	0.8159
0.8355	0.8507	0.8652	0.8845	0.9062
0.9278	0.9492	0.9705	0.9917	1.0127
1.0336	1.0387	1.0111	0.9916	1.0000

Width:

0.1094	0.2187	0.2663	0.2792	0.2922
0.3052	0.3181	0.3311	0.3441	0.3571
0.3700	0.3830	0.3960	0.4089	0.4219
0.4349	0.4478	0.4608	0.4739	0.4873
0.5008	0.5147	0.5287	0.5426	0.5566
0.5706	0.5846	0.5985	0.6125	0.6265
0.6404	0.6544	0.6684	0.6823	0.6963
0.7103	0.7280	0.7466	0.7606	0.7722
0.7837	0.7952	0.8067	0.8182	0.8298
0.8413	0.8659	0.9211	0.9733	1.0000

Transect C57

Area:

0.0025	0.0100	0.0195	0.0296	0.0402
0.0514	0.0631	0.0753	0.0881	0.1014
0.1153	0.1297	0.1446	0.1601	0.1761
0.1927	0.2098	0.2274	0.2455	0.2641
0.2831	0.3023	0.3218	0.3416	0.3617
0.3821	0.4027	0.4237	0.4449	0.4665
0.4883	0.5105	0.5332	0.5562	0.5797
0.6036	0.6279	0.6526	0.6778	0.7033
0.7293	0.7559	0.7835	0.8121	0.8417
0.8722	0.9033	0.9350	0.9672	1.0000

Hrad:

0.0169	0.0365	0.0673	0.0967	0.1247
0.1518	0.1778	0.2031	0.2277	0.2516
0.2751	0.2980	0.3205	0.3426	0.3643
0.3861	0.4078	0.4293	0.4506	0.4738
0.4995	0.5249	0.5499	0.5747	0.5992
0.6234	0.6474	0.6711	0.6946	0.7179
0.7395	0.7582	0.7768	0.7953	0.8138
0.8321	0.8504	0.8685	0.8867	0.9047

0.9227 0.9240 0.9240 0.9252 0.9273
0.9359 0.9519 0.9679 0.9840 1.0000
Width:
0.1525 0.2798 0.2962 0.3127 0.3291
0.3455 0.3619 0.3783 0.3947 0.4111
0.4275 0.4439 0.4603 0.4767 0.4932
0.5091 0.5246 0.5402 0.5557 0.5682
0.5769 0.5857 0.5944 0.6032 0.6119
0.6207 0.6294 0.6382 0.6469 0.6556
0.6658 0.6784 0.6910 0.7036 0.7162
0.7288 0.7415 0.7541 0.7667 0.7793
0.7919 0.8195 0.8493 0.8792 0.9090
0.9331 0.9498 0.9665 0.9833 1.0000

Transect C70
Area:
0.0002 0.0007 0.0015 0.0027 0.0051
0.0099 0.0173 0.0278 0.0433 0.0599
0.0768 0.0939 0.1114 0.1291 0.1472
0.1657 0.1846 0.2038 0.2233 0.2431
0.2632 0.2836 0.3044 0.3256 0.3471
0.3690 0.3911 0.4135 0.4363 0.4593
0.4826 0.5063 0.5303 0.5546 0.5793
0.6045 0.6303 0.6571 0.6846 0.7124
0.7404 0.7685 0.7968 0.8253 0.8540
0.8828 0.9118 0.9409 0.9702 1.0000
Hrad:
0.0153 0.0305 0.0458 0.0610 0.0635
0.0641 0.0718 0.0807 0.0801 0.1091
0.1376 0.1656 0.1927 0.2194 0.2442
0.2682 0.2940 0.3194 0.3446 0.3697
0.3945 0.4163 0.4378 0.4607 0.4833
0.5066 0.5298 0.5526 0.5750 0.5972
0.6188 0.6401 0.6609 0.6812 0.6990
0.7134 0.7278 0.7253 0.7441 0.7684
0.7932 0.8177 0.8422 0.8671 0.8920
0.9168 0.9414 0.9660 0.9835 1.0000
Width:
0.0114 0.0229 0.0343 0.0457 0.1145
0.2010 0.2939 0.4215 0.5507 0.5591
0.5676 0.5763 0.5866 0.5969 0.6111
0.6262 0.6360 0.6459 0.6555 0.6647
0.6740 0.6879 0.7018 0.7131 0.7243
0.7341 0.7438 0.7536 0.7637 0.7738
0.7845 0.7952 0.8064 0.8180 0.8324
0.8510 0.8695 0.9098 0.9238 0.9304
0.9364 0.9424 0.9484 0.9538 0.9589
0.9641 0.9692 0.9744 0.9867 1.0000

Transect C72
Area:
0.0004 0.0015 0.0034 0.0060 0.0094
0.0135 0.0184 0.0244 0.0330 0.0429
0.0541 0.0665 0.0801 0.0947 0.1101
0.1260 0.1424 0.1594 0.1769 0.1950
0.2135 0.2325 0.2518 0.2716 0.2917
0.3122 0.3331 0.3544 0.3761 0.3986

0.4223 0.4474 0.4739 0.5016 0.5302
0.5595 0.5892 0.6191 0.6493 0.6798
0.7105 0.7415 0.7727 0.8042 0.8360
0.8681 0.9005 0.9333 0.9664 1.0000

Hrad:

0.0170 0.0340 0.0510 0.0680 0.0850
0.1020 0.1190 0.1122 0.1207 0.1384
0.1560 0.1739 0.1934 0.2129 0.2390
0.2646 0.2896 0.3141 0.3381 0.3617
0.3871 0.4128 0.4382 0.4632 0.4879
0.5124 0.5365 0.5604 0.5797 0.5871
0.5881 0.5892 0.5949 0.6017 0.6215
0.6428 0.6706 0.6983 0.7257 0.7530
0.7800 0.8069 0.8335 0.8600 0.8863
0.9103 0.9329 0.9554 0.9778 1.0000

Width:

0.0223 0.0446 0.0669 0.0892 0.1115
0.1338 0.1560 0.2193 0.2756 0.3125
0.3494 0.3854 0.4171 0.4481 0.4639
0.4797 0.4955 0.5113 0.5271 0.5429
0.5556 0.5672 0.5788 0.5903 0.6019
0.6135 0.6251 0.6366 0.6532 0.6836
0.7230 0.7647 0.8021 0.8394 0.8587
0.8757 0.8834 0.8911 0.8988 0.9065
0.9142 0.9219 0.9296 0.9373 0.9450
0.9550 0.9663 0.9775 0.9888 1.0000

Transect C80

Area:

0.0012 0.0046 0.0105 0.0182 0.0264
0.0351 0.0441 0.0536 0.0635 0.0739
0.0846 0.0958 0.1074 0.1193 0.1318
0.1446 0.1578 0.1713 0.1853 0.1997
0.2144 0.2296 0.2451 0.2610 0.2774
0.2943 0.3115 0.3293 0.3474 0.3660
0.3851 0.4045 0.4246 0.4452 0.4663
0.4881 0.5103 0.5333 0.5573 0.5824
0.6085 0.6378 0.6779 0.7213 0.7656
0.8106 0.8565 0.9033 0.9512 1.0000

Hrad:

0.0248 0.0497 0.0745 0.1123 0.1550
0.1959 0.2352 0.2732 0.3100 0.3459
0.3808 0.4149 0.4483 0.4810 0.5134
0.5462 0.5785 0.6103 0.6416 0.6726
0.7032 0.7334 0.7623 0.7897 0.8168
0.8438 0.8707 0.8974 0.9241 0.9506
0.9770 1.0011 1.0214 1.0420 1.0628
1.0837 1.1049 1.1126 1.1112 1.1120
1.1148 0.8397 0.7821 0.8106 0.8453
0.8796 0.9116 0.9413 0.9707 1.0000

Width:

0.0471 0.0942 0.1413 0.1628 0.1712
0.1797 0.1881 0.1966 0.2050 0.2135
0.2220 0.2304 0.2389 0.2473 0.2556
0.2635 0.2713 0.2792 0.2870 0.2949
0.3027 0.3106 0.3189 0.3278 0.3367
0.3457 0.3546 0.3635 0.3724 0.3814

0.3903 0.4001 0.4116 0.4231 0.4345
0.4460 0.4575 0.4749 0.4972 0.5195
0.5418 0.7575 0.8656 0.8889 0.9049
0.9209 0.9390 0.9593 0.9797 1.0000

Transect C81
Area:
0.0005 0.0021 0.0047 0.0084 0.0132
0.0190 0.0258 0.0337 0.0427 0.0527
0.0637 0.0759 0.0890 0.1031 0.1180
0.1336 0.1499 0.1671 0.1851 0.2038
0.2233 0.2435 0.2646 0.2864 0.3090
0.3323 0.3561 0.3801 0.4044 0.4290
0.4538 0.4789 0.5043 0.5300 0.5560
0.5822 0.6087 0.6354 0.6625 0.6898
0.7174 0.7453 0.7735 0.8022 0.8316
0.8621 0.8942 0.9278 0.9631 1.0000
Hrad:
0.0190 0.0380 0.0570 0.0760 0.0950
0.1139 0.1329 0.1519 0.1709 0.1899
0.2089 0.2279 0.2469 0.2711 0.2943
0.3171 0.3395 0.3616 0.3835 0.4051
0.4265 0.4477 0.4688 0.4897 0.5105
0.5346 0.5659 0.5969 0.6276 0.6580
0.6882 0.7181 0.7477 0.7770 0.8061
0.8350 0.8637 0.8921 0.9203 0.9483
0.9761 1.0037 1.0245 1.0396 1.0549
1.0696 1.0829 1.0950 1.1063 1.0000
Width:
0.0280 0.0559 0.0839 0.1118 0.1398
0.1677 0.1957 0.2236 0.2516 0.2795
0.3075 0.3355 0.3634 0.3832 0.4039
0.4245 0.4451 0.4657 0.4863 0.5069
0.5275 0.5481 0.5687 0.5893 0.6099
0.6264 0.6337 0.6409 0.6482 0.6555
0.6628 0.6701 0.6774 0.6847 0.6920
0.6993 0.7066 0.7138 0.7211 0.7284
0.7357 0.7430 0.7553 0.7718 0.7883
0.8295 0.8721 0.9148 0.9574 1.0000

Transect C85
Area:
0.0026 0.0095 0.0171 0.0249 0.0332
0.0417 0.0505 0.0597 0.0692 0.0790
0.0892 0.0996 0.1104 0.1215 0.1329
0.1447 0.1568 0.1692 0.1819 0.1949
0.2083 0.2221 0.2362 0.2507 0.2655
0.2807 0.2962 0.3122 0.3287 0.3457
0.3631 0.3809 0.3993 0.4181 0.4374
0.4574 0.4784 0.5006 0.5237 0.5484
0.5764 0.6084 0.6480 0.6914 0.7376
0.7866 0.8375 0.8904 0.9448 1.0000
Hrad:
0.0280 0.0717 0.1233 0.1728 0.2206
0.2668 0.3115 0.3551 0.3974 0.4388
0.4792 0.5188 0.5576 0.5958 0.6333
0.6702 0.7066 0.7425 0.7779 0.8111

0.8439 0.8764 0.9086 0.9406 0.9724
1.0039 1.0315 1.0560 1.0807 1.1055
1.1305 1.1556 1.1809 1.2062 1.2316
1.2253 1.2197 1.2172 1.2174 1.1584
1.0671 1.0067 0.8601 0.8570 0.8597
0.8749 0.8963 0.9182 0.9586 1.0000
Width:
0.0937 0.1334 0.1391 0.1449 0.1507
0.1565 0.1623 0.1681 0.1739 0.1797
0.1855 0.1913 0.1971 0.2029 0.2087
0.2144 0.2202 0.2260 0.2318 0.2382
0.2446 0.2510 0.2574 0.2638 0.2702
0.2766 0.2840 0.2925 0.3009 0.3093
0.3177 0.3261 0.3345 0.3430 0.3514
0.3696 0.3887 0.4077 0.4268 0.4703
0.5376 0.6453 0.7529 0.8068 0.8584
0.8998 0.9354 0.9711 0.9864 1.0000

Transect C87
Area:
0.0010 0.0041 0.0092 0.0158 0.0235
0.0324 0.0423 0.0531 0.0650 0.0778
0.0915 0.1060 0.1212 0.1372 0.1540
0.1712 0.1889 0.2070 0.2254 0.2444
0.2637 0.2834 0.3036 0.3241 0.3451
0.3664 0.3882 0.4102 0.4327 0.4555
0.4787 0.5022 0.5261 0.5504 0.5750
0.6001 0.6256 0.6514 0.6777 0.7044
0.7316 0.7593 0.7874 0.8160 0.8452
0.8749 0.9052 0.9361 0.9677 1.0000
Hrad:
0.0163 0.0327 0.0511 0.0723 0.0921
0.1125 0.1330 0.1527 0.1720 0.1915
0.2126 0.2331 0.2532 0.2730 0.2956
0.3207 0.3454 0.3697 0.3936 0.4173
0.4408 0.4642 0.4874 0.5103 0.5329
0.5554 0.5786 0.6017 0.6245 0.6472
0.6696 0.6919 0.7132 0.7342 0.7551
0.7758 0.7964 0.8165 0.8348 0.8530
0.8711 0.8892 0.9065 0.9218 0.9372
0.9527 0.9672 0.9779 0.9888 1.0000
Width:
0.0631 0.1263 0.1811 0.2180 0.2550
0.2880 0.3181 0.3481 0.3782 0.4066
0.4307 0.4547 0.4788 0.5028 0.5210
0.5341 0.5470 0.5599 0.5728 0.5857
0.5983 0.6106 0.6230 0.6353 0.6476
0.6599 0.6709 0.6819 0.6928 0.7038
0.7148 0.7258 0.7376 0.7496 0.7615
0.7735 0.7854 0.7977 0.8117 0.8257
0.8398 0.8538 0.8685 0.8851 0.9017
0.9183 0.9358 0.9572 0.9786 1.0000

Transect C89
Area:
0.0005 0.0018 0.0041 0.0073 0.0114
0.0171 0.0254 0.0350 0.0458 0.0576

0.0703 0.0839 0.0984 0.1138 0.1303
0.1477 0.1657 0.1841 0.2031 0.2225
0.2422 0.2623 0.2828 0.3037 0.3249
0.3465 0.3685 0.3909 0.4136 0.4368
0.4603 0.4842 0.5086 0.5335 0.5588
0.5846 0.6108 0.6375 0.6646 0.6922
0.7202 0.7487 0.7777 0.8074 0.8376
0.8685 0.9001 0.9324 0.9655 1.0000

Hrad:

0.0176 0.0352 0.0528 0.0703 0.0882
0.0784 0.1002 0.1209 0.1424 0.1656
0.1881 0.2099 0.2312 0.2515 0.2703
0.2933 0.3201 0.3464 0.3723 0.3999
0.4274 0.4545 0.4813 0.5077 0.5339
0.5594 0.5845 0.6094 0.6340 0.6584
0.6826 0.7048 0.7265 0.7480 0.7693
0.7906 0.8122 0.8337 0.8552 0.8765
0.8977 0.9154 0.9317 0.9481 0.9645
0.9781 0.9914 1.0049 1.0056 1.0000

Width:

0.0259 0.0517 0.0776 0.1034 0.1288
0.2185 0.2541 0.2897 0.3217 0.3477
0.3737 0.3997 0.4257 0.4528 0.4821
0.5037 0.5176 0.5316 0.5455 0.5563
0.5667 0.5772 0.5876 0.5981 0.6085
0.6194 0.6303 0.6413 0.6523 0.6632
0.6742 0.6869 0.7000 0.7131 0.7262
0.7393 0.7519 0.7645 0.7770 0.7895
0.8021 0.8177 0.8345 0.8514 0.8683
0.8878 0.9078 0.9277 0.9601 1.0000

Transect C91

Area:

0.0066 0.0151 0.0241 0.0337 0.0438
0.0545 0.0658 0.0776 0.0899 0.1028
0.1163 0.1303 0.1448 0.1599 0.1756
0.1918 0.2084 0.2254 0.2426 0.2603
0.2782 0.2965 0.3151 0.3340 0.3532
0.3729 0.3930 0.4135 0.4345 0.4559
0.4778 0.5001 0.5229 0.5461 0.5699
0.5942 0.6190 0.6443 0.6702 0.6967
0.7237 0.7513 0.7795 0.8084 0.8380
0.8682 0.8990 0.9311 0.9647 1.0000

Hrad:

0.0311 0.0668 0.1004 0.1324 0.1629
0.1923 0.2207 0.2482 0.2750 0.3010
0.3266 0.3516 0.3761 0.3997 0.4228
0.4476 0.4750 0.5018 0.5281 0.5540
0.5795 0.6046 0.6293 0.6536 0.6776
0.6978 0.7176 0.7372 0.7568 0.7762
0.7955 0.8147 0.8338 0.8520 0.8679
0.8838 0.8998 0.9159 0.9320 0.9482
0.9642 0.9768 0.9896 1.0027 1.0160
1.0295 1.0399 1.0279 1.0185 1.0000

Width:

0.2260 0.2411 0.2562 0.2713 0.2864
0.3015 0.3166 0.3318 0.3469 0.3620

0.3771 0.3922 0.4073 0.4230 0.4390
0.4521 0.4612 0.4703 0.4794 0.4885
0.4976 0.5067 0.5158 0.5249 0.5340
0.5461 0.5584 0.5707 0.5830 0.5953
0.6076 0.6199 0.6322 0.6451 0.6600
0.6748 0.6897 0.7045 0.7194 0.7343
0.7493 0.7673 0.7853 0.8033 0.8213
0.8394 0.8602 0.9027 0.9452 1.0000

Transect C93
Area:
0.0014 0.0055 0.0109 0.0174 0.0246
0.0322 0.0402 0.0486 0.0574 0.0666
0.0763 0.0863 0.0968 0.1076 0.1189
0.1306 0.1427 0.1552 0.1682 0.1816
0.1955 0.2098 0.2245 0.2397 0.2555
0.2717 0.2883 0.3055 0.3234 0.3422
0.3619 0.3826 0.4043 0.4283 0.4544
0.4819 0.5110 0.5424 0.5766 0.6116
0.6471 0.6830 0.7195 0.7565 0.7941
0.8321 0.8708 0.9107 0.9519 1.0000
Hrad:
0.0261 0.0570 0.0955 0.1305 0.1729
0.2141 0.2537 0.2919 0.3289 0.3648
0.3999 0.4342 0.4678 0.5007 0.5331
0.5651 0.5965 0.6258 0.6549 0.6838
0.7124 0.7409 0.7691 0.7961 0.8217
0.8473 0.8729 0.8985 0.9069 0.9123
0.9196 0.9286 0.9157 0.8737 0.8736
0.8781 0.8738 0.8563 0.8515 0.8971
0.9355 0.9736 1.0113 1.0487 1.0857
1.1225 1.1449 1.1607 1.1658 1.0000
Width:
0.0504 0.0908 0.1084 0.1259 0.1341
0.1415 0.1490 0.1564 0.1638 0.1713
0.1787 0.1862 0.1936 0.2010 0.2085
0.2159 0.2234 0.2315 0.2396 0.2477
0.2558 0.2640 0.2721 0.2806 0.2897
0.2987 0.3077 0.3168 0.3323 0.3497
0.3670 0.3844 0.4123 0.4583 0.4865
0.5136 0.5476 0.5936 0.6349 0.6392
0.6485 0.6579 0.6672 0.6766 0.6860
0.6953 0.7136 0.7364 0.7666 1.0000

Transect C95
Area:
0.0009 0.0035 0.0080 0.0142 0.0222
0.0317 0.0418 0.0525 0.0636 0.0752
0.0873 0.0999 0.1128 0.1260 0.1396
0.1535 0.1677 0.1823 0.1971 0.2123
0.2279 0.2438 0.2600 0.2765 0.2934
0.3106 0.3281 0.3459 0.3641 0.3826
0.4015 0.4209 0.4409 0.4616 0.4830
0.5052 0.5282 0.5519 0.5764 0.6017
0.6294 0.6601 0.6934 0.7290 0.7667
0.8074 0.8517 0.8992 0.9488 1.0000
Hrad:

0.0262 0.0524 0.0785 0.1047 0.1309
0.1680 0.2109 0.2522 0.2921 0.3308
0.3684 0.4086 0.4494 0.4893 0.5286
0.5672 0.6051 0.6425 0.6793 0.7156
0.7515 0.7868 0.8218 0.8564 0.8906
0.9244 0.9580 0.9912 1.0241 1.0568
1.0828 1.1010 1.1197 1.1319 1.1431
1.1554 1.1686 1.1826 1.1973 1.1899
1.1149 1.0695 1.0405 1.0343 1.0216
0.9852 0.9639 0.9601 0.9798 1.0000

Width:

0.0341 0.0682 0.1023 0.1364 0.1704
0.1898 0.1993 0.2088 0.2183 0.2279
0.2374 0.2447 0.2510 0.2573 0.2637
0.2700 0.2764 0.2827 0.2890 0.2954
0.3017 0.3080 0.3144 0.3207 0.3271
0.3334 0.3397 0.3461 0.3524 0.3588
0.3673 0.3788 0.3902 0.4042 0.4189
0.4337 0.4484 0.4631 0.4778 0.5022
0.5615 0.6144 0.6639 0.7025 0.7485
0.8181 0.8827 0.9361 0.9681 1.0000

Transect C96

Area:

0.0005 0.0020 0.0045 0.0080 0.0126
0.0179 0.0236 0.0296 0.0360 0.0426
0.0496 0.0569 0.0645 0.0724 0.0807
0.0940 0.1107 0.1319 0.1535 0.1755
0.1979 0.2206 0.2438 0.2673 0.2914
0.3159 0.3408 0.3661 0.3916 0.4175
0.4438 0.4703 0.4972 0.5244 0.5519
0.5798 0.6080 0.6365 0.6652 0.6943
0.7237 0.7533 0.7832 0.8134 0.8439
0.8746 0.9056 0.9368 0.9683 1.0000

Hrad:

0.0160 0.0319 0.0479 0.0639 0.0798
0.1030 0.1284 0.1527 0.1762 0.1989
0.2210 0.2425 0.2636 0.2842 0.3038
0.3043 0.2334 0.1960 0.2243 0.2522
0.2798 0.3069 0.3325 0.3576 0.3824
0.4069 0.4332 0.4592 0.4850 0.5105
0.5357 0.5609 0.5858 0.6105 0.6350
0.6594 0.6836 0.7084 0.7330 0.7574
0.7816 0.8057 0.8296 0.8544 0.8790
0.9035 0.9278 0.9520 0.9761 1.0000

Width:

0.0315 0.0631 0.0946 0.1262 0.1577
0.1742 0.1841 0.1940 0.2039 0.2138
0.2237 0.2336 0.2435 0.2534 0.3065
0.4567 0.6405 0.6734 0.6848 0.6962
0.7077 0.7191 0.7333 0.7479 0.7625
0.7768 0.7872 0.7976 0.8079 0.8183
0.8287 0.8389 0.8491 0.8593 0.8695
0.8797 0.8897 0.8988 0.9079 0.9171
0.9262 0.9353 0.9444 0.9523 0.9603
0.9682 0.9762 0.9841 0.9921 1.0000

Transect C99
Area:

0.0003	0.0013	0.0030	0.0053	0.0082
0.0117	0.0157	0.0202	0.0253	0.0308
0.0370	0.0439	0.0516	0.0601	0.0690
0.0783	0.0881	0.0983	0.1089	0.1199
0.1360	0.1539	0.1732	0.1942	0.2187
0.2444	0.2705	0.2970	0.3239	0.3512
0.3790	0.4073	0.4361	0.4655	0.4955
0.5262	0.5576	0.5897	0.6221	0.6549
0.6880	0.7214	0.7551	0.7891	0.8235
0.8581	0.8931	0.9284	0.9641	1.0000

Hrad:

0.0180	0.0360	0.0540	0.0720	0.0922
0.1126	0.1324	0.1518	0.1709	0.1902
0.2042	0.2156	0.2284	0.2485	0.2719
0.2948	0.3173	0.3394	0.3611	0.3825
0.3866	0.3920	0.3998	0.3804	0.3081
0.3404	0.3723	0.4019	0.4309	0.4597
0.4881	0.5148	0.5404	0.5657	0.5903
0.6123	0.6342	0.6594	0.6890	0.7183
0.7474	0.7763	0.8050	0.8335	0.8617
0.8897	0.9176	0.9452	0.9727	1.0000

Width:

0.0183	0.0366	0.0548	0.0731	0.0889
0.1035	0.1181	0.1327	0.1473	0.1615
0.1804	0.2028	0.2252	0.2409	0.2526
0.2644	0.2762	0.2880	0.2998	0.3325
0.4767	0.5157	0.5519	0.6187	0.7095
0.7178	0.7262	0.7386	0.7511	0.7637
0.7762	0.7909	0.8068	0.8228	0.8395
0.8594	0.8794	0.8944	0.9031	0.9119
0.9206	0.9293	0.9380	0.9468	0.9557
0.9645	0.9734	0.9823	0.9911	1.0000

****
Analysis Options
****
Flow Units ..... CMS
Process Models:
  Rainfall/Runoff ..... YES
  RDII ..... NO
  Snowmelt ..... NO
  Groundwater ..... NO
  Flow Routing ..... YES
  Ponding Allowed ..... NO
  Water Quality ..... NO
Infiltration Method ..... HORTON
Flow Routing Method ..... DYNWAVE
Surcharge Method ..... EXTRAN
Starting Date 04/10/2025 00:00:00
Ending Date 04/12/2025 00:00:00
Antecedent Dry Days 0.0
Report Time Step 00:01:00
Wet Time Step 00:05:00
Dry Time Step 00:05:00

Routing Time Step .... 5.00 sec
Variable Time Step .... YES
Maximum Trials 8
Number of Threads 1
Head Tolerance .... 0.001500 m

Runoff Quantity Continuity	Volume hectare-m	Depth mm
Total Precipitation	0.325	48.000
Evaporation Loss	0.000	0.000
Infiltration Loss	0.251	37.045
Surface Runoff	0.066	9.713
Final Storage	0.009	1.257
Continuity Error (%)	-0.031	

Flow Routing Continuity	Volume hectare-m	Volume 10^6 ltr
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	0.066	0.657
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	0.066	0.657
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.016	

Time-Step Critical Elements
Link C113_1 (24.93%)

Highest Flow Instability Indexes
All links are stable.

Most Frequent Nonconverging Nodes
Convergence obtained at all time steps.

Routing Time Step Summary
Minimum Time Step : 0.00 sec

```
  Average Time Step           :     4.38 sec
  Maximum Time Step           :     5.00 sec
  % of Time in Steady State   :     0.00
  Average Iterations per Step :     2.00
  % of Steps Not Converging   :     0.00
  Time Step Frequencies       :
      5.000 -  3.155 sec      :    91.53 %
      3.155 -  1.991 sec      :     0.00 %
      1.991 -  1.256 sec      :     3.58 %
      1.256 -  0.792 sec      :     2.30 %
      0.792 -  0.500 sec      :     2.58 %


  ***************************
  Subcatchment Runoff Summary
  ***************************

  ------------------------------------------------------------------------------------
-----------------------------------------------
                             Total      Total      Total      Total     Imperv
Perv      Total       Total     Peak  Runoff
                          Precip      Runon       Evap      Infil     Runoff
Runoff     Runoff      Runoff   Runoff   Coeff
  Subcatchment                mm         mm         mm         mm         mm
mm         mm    10^6 ltr      CMS
  ------------------------------------------------------------------------------------
-----------------------------------------------
  S105_1                    48.00       0.00       0.00      36.84       0.94
8.99       9.93        0.06     0.01   0.207
  S2                        48.00       0.00       0.00      36.98       0.94
8.84       9.78        0.10     0.01   0.204
  S64                       48.00       0.00       0.00      36.94       0.94
8.90       9.83        0.13     0.01   0.205
  S68_1                     48.00       0.00       0.00      36.96       0.94
8.88       9.81        0.02     0.00   0.204
  S72_2                     48.00       0.00       0.00      37.01       0.94
8.81       9.75        0.00     0.00   0.203
  S8                        48.00       0.00       0.00      37.19       0.94
8.62       9.56        0.14     0.01   0.199
  S82_1                     48.00       0.00       0.00      37.17       0.94
8.64       9.58        0.13     0.01   0.199
  S91_1                     48.00       0.00       0.00      37.01       0.94
8.81       9.75        0.07     0.01   0.203


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

  ------------------------------------------------------------------------------------
                                  Average  Maximum  Maximum  Time of Max    Reported
                                    Depth    Depth      HGL   Occurrence  Max Depth
  Node                 Type       Meters   Meters   Meters  days hr:min      Meters
  ------------------------------------------------------------------------------------
  J107                 JUNCTION     0.01     0.03    98.19     0  12:02        0.03
  J111                 JUNCTION     0.01     0.03    99.34     0  12:00        0.03
  J270                 JUNCTION     0.01     0.04    97.00     0  12:04        0.04
  J86                  JUNCTION     0.00     0.02    98.12     0  12:00        0.02
```

J2	OUTFALL	0.01	0.04	96.97	0	12:04	0.04

****
Node Inflow Summary
****

Node	Type	Maximum Lateral Inflow CMS	Maximum Total Inflow CMS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10^6 ltr	Total Inflow Volume 10^6 ltr	Flow Balance Error Percent
J107	JUNCTION	0.009	0.020	0 12:00	0.129	0.259	0.008
J111	JUNCTION	0.013	0.013	0 12:00	0.129	0.129	-0.002
J270	JUNCTION	0.013	0.040	0 12:01	0.132	0.515	0.024
J86	JUNCTION	0.011	0.011	0 12:00	0.125	0.125	-0.023
J2	OUTFALL	0.009	0.043	0 12:03	0.141	0.657	0.000

****
Node Surcharge Summary
****

No nodes were surcharged.

****
Node Flooding Summary
****

No nodes were flooded.

****
Outfall Loading Summary
****

Outfall Node	Flow Freq Pcnt	Avg Flow CMS	Max Flow CMS	Total Volume 10^6 ltr
J2	60.94	0.009	0.043	0.657
System	60.94	0.009	0.043	0.657

****
Link Flow Summary
****

Link	Type	Maximum |Flow| CMS	Time of Max Occurrence days hr:min	Maximum |Veloc| m/sec	Max/ Full Flow	Max/ Full Depth
C113_1	CHANNEL	0.037	0 12:04	0.72	0.00	0.06
C50	CHANNEL	0.010	0 12:00	0.25	0.00	0.09
C80	CHANNEL	0.012	0 12:01	0.75	0.00	0.04
C85	CHANNEL	0.018	0 12:02	0.37	0.00	0.05

****
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
C113_1	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.24	0.00
C50	1.00	0.00	0.00	0.00	0.93	0.07	0.00	0.00	0.93	0.00
C80	1.00	0.00	0.00	0.00	0.34	0.66	0.00	0.00	0.66	0.00
C85	1.00	0.00	0.00	0.00	0.93	0.06	0.00	0.00	1.00	0.00

****
Conduit Surcharge Summary
****

No conduits were surcharged.

Analysis begun on: Wed Nov 5 10:02:15 2025
Analysis ended on: Wed Nov 5 10:02:16 2025
Total elapsed time: 00:00:01

Appendix C: Topographic Survey

TOPOGRAPHIC PLAN OF SURVEY OF PART OF THE EAST 1/2 LOT 25 AND PART OF THE SOUTHEAST 1/2 LOT 26 CONCESSION 1 GEOGRAPIC TOWNSHIP OF MARCH CITY OF OTTAWA

TULLOCH GEOMATICS INC.
2025
SCALE 1:2000

20m 0 20 100m

THE INTENDED PLOT SIZE OF THIS PLAN IS 914mm IN WIDTH BY 610mm IN HEIGHT WHEN PLOTTED AT A SCALE OF 1:2000.

NOTE:

ORIGINAL COPY OF THIS PLAN IS IN COLOUR.

ALL PLANTED MONUMENTS ARE MARKED "1604" UNLESS OTHERWISE NOTED.

ELEVATION NOTE:

ELEVATIONS SHOWN HEREON ARE GEODETIC, ARE REFERRED TO THE CANADIAN GEODETIC VERTICAL DATUM OF 1928 (CGVD28) AND ARE DERIVED FROM VERTICAL CONTROL MONUMENT 0011988U521 USING REAL TIME KINEMATIC (RTK) GNSS OBSERVATIONS HAVING AN ELEVATION OF 89.208m.

BENCHMARK NOTE:

SITE BENCHMARKS ARE REBAR ORP C HAVING AN ELEVATION OF 99.38m AND REBAR ORP D HAVING AN ELEVATION OF 94.80m AS SHOWN ON THE FACE OF THE PLAN.

CAUTION:

THIS PLAN REPRESENTS THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION. THIS PLAN WAS PREPARED FOR DISCUSSION PURPOSE ONLY AND ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF ANY UNDERGROUND CONDUITS, PIPES OR OTHER FACILITIES WHETHER SHOWN OR OMITTED FROM THIS PLAN. ALL UNDERGROUND FACILITIES SHOULD BE LOCATED BY THE RESPECTIVE AUTHORITIES PRIOR TO CONSTRUCTION.

INTEGRATION COORDINATE TABLE		
OBSERVED REFERENCE POINTS ARE DERIVED FROM REAL TIME KINEMATIC (RTK) GNSS OBSERVATIONS USING SPECIFIED CONTROL POINTS AND ARE REFERRED TO MTM ZONE 9, (76°30' WEST LONGITUDE) NAD83 (CSRS) (2010). COORDINATES TO URBAN ACCURACY PER SEC. 14(2) OF O.REG. 216/10		
SCP	NORTHING	EASTING
00119883075	5029791.785	339928.191
00119791051	5032569.100	343633.651
ORP	NORTHING	EASTING
A	5028400.46	341281.84
B	5029185.03	340545.09
C	5028626.49	341054.67
D	5028853.62	340882.61
COORDINATES CANNOT, IN THEMSELVES, BE USED TO RE-ESTABLISH THE CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.		

METRIC:

DISTANCES AND COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

DISTANCE NOTE:

GROUND DISTANCES SHOWN HEREON CAN BE CONVERTED TO MTM GRID BY MULTIPLYING BY A COMBINED SCALE FACTOR OF 0.999906.

BEARING NOTE:

BEARINGS ARE MTM GRID DERIVED FROM REAL TIME KINEMATIC (RTK) GNSS OBSERVATIONS USING SPECIFIED CONTROL POINTS 0011988 3075 AND 00119791051 ARE REFERRED TO THE CENTRAL MERIDIAN OF MTM ZONE 9 (76°30' WEST LONGITUDE) NAD83 (CSRS) (2010.0).

ROTATION NOTE:

A ROTATION OF 0°20'00" COUNTER CLOCKWISE HAS BEEN APPLIED TO THE ASTRONOMIC BEARINGS OF UNDERLYING PLAN P1 TO ACCOUNT FOR DIFFERENT REFERENCE MERIDIANS.

NO ROTATION HAS BEEN APPLIED TO THE MTM GRID BEARINGS OF UNDERLYING PLAN P2.

LEGEND:

■	DENOTES FOUND MONUMENT
□	DENOTES PLANTED MONUMENT
▲	DENOTES FOUND SPECIFIED CONTROL POINT
○	DENOTES PLANTED REBAR
SIB	DENOTES STANDARD IRON BAR
SSIB	DENOTES SHORT STANDARD IRON BAR
IB	DENOTES IRON BAR
SCP	DENOTES SPECIFIED CONTROL POINT
ORP	DENOTES OBSERVED REFERENCE POINT
PIN	DENOTES PROPERTY IDENTIFICATION NUMBER
M	DENOTES MEASURED
S	DENOTES SET
WIT	DENOTES WITNESS
CF	DENOTES CALCULATED FROM
ELEV	DENOTES ELEVATION
BM	DENOTES BENCHMARK
EST.	DENOTES ESTABLISHED
INT.	DENOTES INTERSECTION
725	DENOTES R.W. ARNETT, O.L.S
1227	DENOTES L.E. ROSS, O.L.S
1287	DENOTES P.G. SMITH OF FARLEY, SMITH AND MURRAY SURVEYING LTD.
1604	DENOTES TULLOCH GEOMATICS INC.
AOG	DENOTES ANNIS O'SULLIVAN VOLLEBEKK LTD., O.L.S.
P	DENOTES PLAN ATTACHED TO INSTRUMENT CT189441, BY L.E. ROSS, DATED DECEMBER 21, 1972
P1	DENOTES PLAN 5R-11615
P2	DENOTES PLAN 4R-25606
D1	DENOTES INSTRUMENT MH3280
D2	DENOTES INSTRUMENT MH3685
D3	DENOTES INSTRUMENT MH4024
D4	DENOTES INSTRUMENT MH3272
D5	DENOTES INSTRUMENT MH3525 & MH3632
D6	DENOTES INSTRUMENT MH3985
NTS	DENOTES NOT TO SCALE

TOPOGRAPHIC LEGEND:

P&W	DENOTES POST AND WIRE
O HP	DENOTES HYDRO POLE
⊠HT	DENOTES TRANSMISSION LINE TOWER
	DENOTES WOOD OUTLINE
	DENOTES BOTTOM OF DITCH
	DENOTES FENCE LINE
	DENOTES OVERHEAD WIRES
	DENOTES TREE LINE
100.00	DENOTES 1.00m MAJOR CONTOUR LINE
99.80	DENOTES 0.2m MINOR CONTOUR LINE

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:

(1) THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT AND THE SURVEYORS ACT AND THE REGULATIONS MADE UNDER THEM.

(2) THE SURVEY WAS COMPLETED ON THE 5th DAY OF MARCH, 2025.

MARCH 11, 2025 — DATE

THOMAS J. CORTENS — ONTARIO LAND SURVEYOR

THIS PLAN OF SURVEY RELATES TO AOLS PLAN SUBMISSION FORM NUMBER V-97472.

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TULLOCH
TULLOCH GEOMATICS INC.
900 MORRISON DR. SUITE 208
OTTAWA, ON K2H 8K7
T. 613 721.1138
TF. 800 797.2997
ottawa@tulloch.ca

DRAWN BY: MAL | FILE: 241451

ACAD FILE:P:\2024\241451 EVOLUGEN FITZROY BESS\GEOMATICS\06 PRODUCTION\241451-South March_BESS-MTM9-Rev0.dwg

Appendix D: Stormwater Pond Calculation

		Date	November 5th 2025
		By	Bryan Thomas
		Appr.	Vincent Brunelle
Client	Evolugen - South March BESS	Project#	7154023
Subject	Stormwater Pond	Page	

Forebay length Calculation Stormwater Management Planning and Design Manual - Ontario 2003

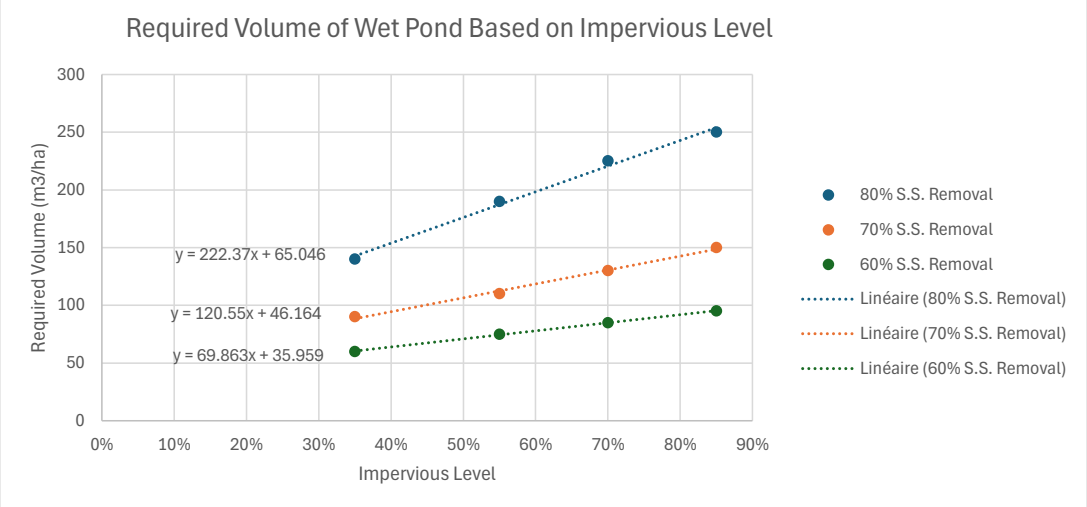
	Settling calculation			Source:
r	Length-to-width of forebay	2		Design
Q_p	Peak flow rate during design storm	0.0002	m^3/s	IDF
Vs	Settling velocity	0.0003	m/s	Design manual
Dist	Min Forebay length from settling	1.1547	m	Eqn 4.5
Q	Inlet flowrate	0.973	m^3/s	Design
d	Depth of permanent pool in forebay	1	m	Design
V_f	Desired velocity in forebay	0.5	m/s	Design
Dist	Min forebay length from dispersion	15.568	m	Eqn. 4.6
	Provided forebay length	20	m	OK, Greater than 15.568m
W	Min width of deep zone (>1m)	2.5	m	Eqn. 4.7
	Provided forebay width	10	m	Ok, greater than 2.5m
	Check average velocity <.15m/s	0.0973		Ok

Required Volume of Permanent Pool Stormwater Management Planning and Design Manual - Ontario 2003

Calculated through interpolation based on 100% impervious material for Enhanced protection level

Data from Table 3.2 in MOE Guidelines

Impervious Level	35%	55%	70%	85%
Required Volume for 80% SS Removal (m3/ha)	140	190	225	250
Required Volume for 70% SS Removal (m3/ha)	90	110	130	150
Required Volume for 60% SS Removal (m3/ha)	60	75	85	95

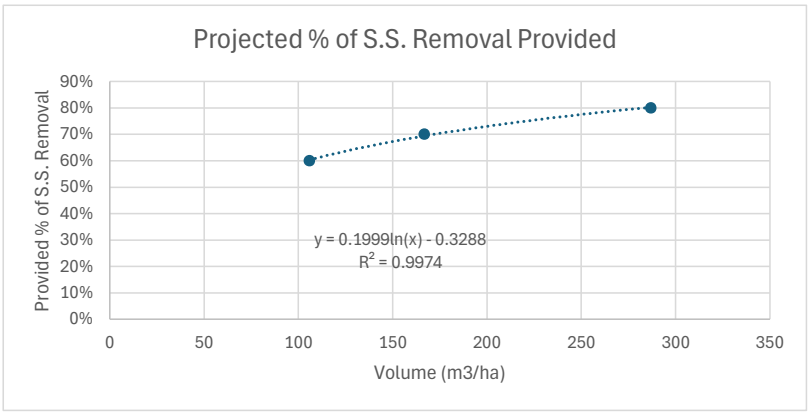


		Date	November 5th 2025
		By	Bryan Thomas
		Appr.	Vincent Brunelle
Client	Evolugen - South March BESS	Project#	7154023
Subject	Stormwater Pond	Page	

Vreq/A	Required Volume for 100% Impervious	287	m3/ha	
A	Contributing developed area of site	6	ha	Design
Vreq	Required Volume for 100% Impervious	1722	m3	
V	Provided Volume	3256.0	m3	OK, Greater than 1722m3

Provided S.S. Removal based on 100% Impervious

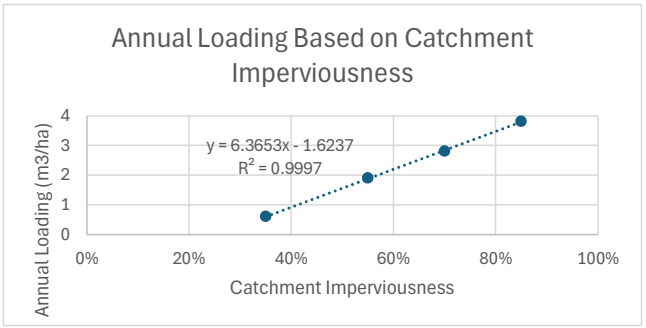
% of S.S. Removal	60%	70%	80%	Table 3.2 from MOE Guidelines
Required Volume	105.822	166.71	287	



Provided Volume	543	m3/ha	Design
Projected % of S.S. Removal Provided	93%		

Target Maintenance Removal Efficiency	75%	Based on "Enhanced Protection" in MOE Guidelines
Target Volume	220.81	m3/ha

Imperviousness	35%	55%	70%	85%
Annual Loading (m3/ha)	0.6	1.9	2.8	3.8



Projected Annual Loading (100% Imp)	4.69418	m3/ha	Assuming 99% sediment removal
	28.1651	m3	
Provided Forebay Volume	200.00	m3	Design
Years for forebay to fill	7.10099	years	